

NEMI

NEMI Northern Energy & Mining Inc.



ASSESSMENT REPORT

for the

2005 Roman Mountain Drilling Program

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June 29, 2006

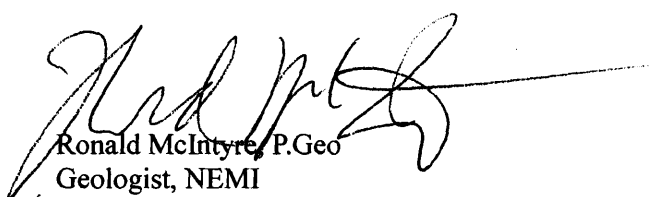
Ministry of Energy and Mines
Attention: Kim Stone, Manager
6th Floor, 1810 Blanshard St.
Victoria B.C., V8W9N3

RE: Roman Mountain 2005 Assessment Report

Dear Mr. Stone:

NEMI is pleased to submit this Assessment Report, detailing coal exploration work carried out on our Roman Mountain property in 2005. One physical copy is enclosed, containing two complete, identical sets of geophysical logs on disks per the advice of Barry Ryan. Also enclosed is a digital copy of the report in PDF format, containing the complete report including all geophysical logs, figures and appendices. The report does not include information on washed coal samples, as no such work was done in 2005.

Yours truly,



Ronald McIntyre, P. Geo
Geologist, NEMI

TITLES DIVISION, MINERAL TITLES VICTORIA, BC
JUL 04 2006
FILE NO. _____
LOG IN NO. _____



ASSESSMENT REPORT

2005 Roman Mountain Drilling Program

Owner and Operator: NEMI Northern Energy and Mining Inc.

Authorship: Ronald F. McIntyre, P. Geo

June 2006

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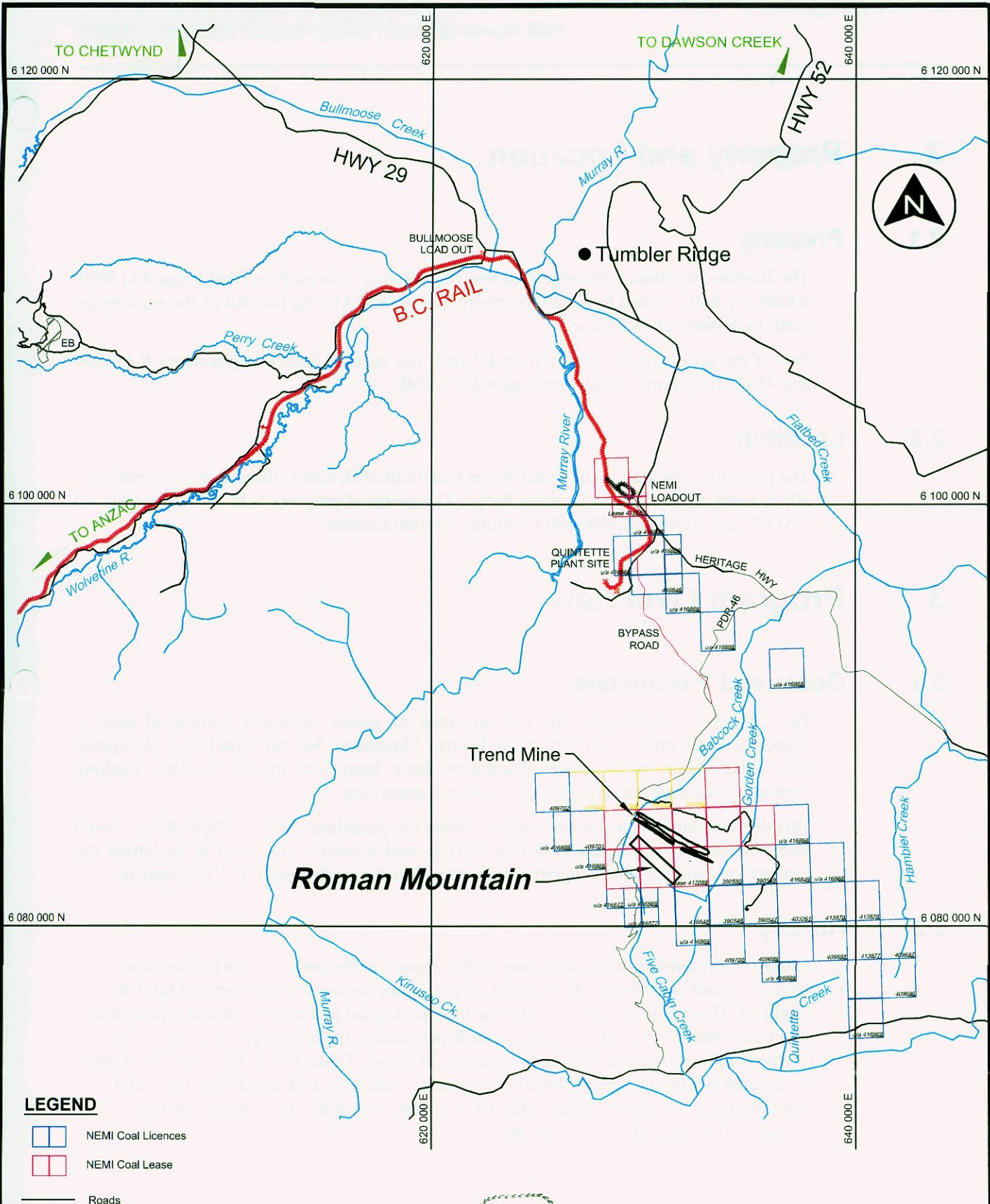
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1 Introduction

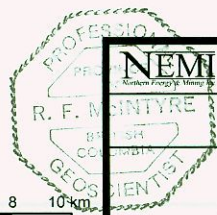
During June – October 2005 NEMI Northern Energy and Mining Inc. conducted a program of open-hole percussion drilling and trenching on the Roman Mountain - Murray Syncline coal deposit, located approximately 1km south of the Trend Mine (see Figure 1.1). Exploration access was reestablished via existing dormant roads and trails which were extended to new areas. A total of 2640 m of drilling was completed, including 2510m in twenty four (24) new holes, and 150m deepening existing holes. Sites of all of the preexisting 1975 and 1976 drill holes were located, and fourteen (14) of these totaling 1247m were reentered, cleaned out and re-logged. The program ended when snow conditions made access impractical. All of the drilling was completed under the direction of the author.

Results of the 2005 work closely confirm the location, structure and size of the deposit as reported by Quintette Coal Limited in 1976.



LEGEND

- NEMI Coal Licences
- NEMI Coal Lease
- Roads
- Railway
- Watercourse



NEMI NORTHERN ENERGY & MINING INC.
ROMAN COAL PROJECT

LOCATION MAP



SCALE

DRAWN BY: PW
 DATE: MAR., 2006
 REV: 00

Fig. 1.1

2 Property and Location

2.1 Property

The Roman Mountain – Murray Syncline coal deposit is located on Coal Lease #417059, which is wholly owned by NEMI Northern Energy and Mining Inc. All of the exploration work took place on this lease.

Part of the access route along Babcock Creek lies on coal license applications # 416869 and 416872, currently under application by NEMI.

2.2 Location

The property is located in the Peace River Coalfield of British Columbia approximately 30km south of the town of Tumbler Ridge. The centre of property is in UTM Zone 10, NAD 83 at coordinates 6083500 Northing, 630000 Easting.

3 Program Overview

3.1 Goals and Parameters

The 2005 exploration program was intended to gather sufficient geological data to support a development decision on the Roman Mountain - Murray Syncline coal deposit. Only coal seams of the Gates Formation have been investigated to date; Gething Formation coals are present, but have not been examined.

This deposit can be considered Complex under the guidelines of GSC Paper 88-21, and a data point density sufficient to define an Indicated Resource was used in designing the exploration program. The program was confined to the northwest half of the deposit.

3.2 History

Extensive exploration work was done on the deposit in the early 1970's by Denison Mines Limited and Mitsui Mining Co Ltd, two of the senior shareholders of Quintette Coal Ltd. This work included detailed surface geological and topographic mapping and structural interpretation, a fourteen (14)hole percussion drilling program in 1975, and a twelve (12)hole diamond drilling program in 1976 (see Table 3.2.1). Most of these holes are located within the area of the 2005 program. In addition to a structural model and seam thickness/tonnage estimates, the 1970's work included extensive coal quality testing, which data NEMI has on file

2005 Roman Mountain Drilling Program Assessment Report

Table 3.2.1

Drillhole #	Section	Northing	Easting	Hole Elevation	Hole Azimuth	Hole Plunge	Hole Depth (m)	Comments
PREVIOUSLY DRILLED - RE LOGGED								
QBD-7651	7610	6083543.11	630188.31	1710.49		90	128	Deepened 4m.
QBD-7653	7610	6083408.70	630106.58	1718.39		90	88.39	Not previously logged. Installed casing, deepened 1.5m.
QBD-7654	7608	6083536.62	629901.03	1673.80		90	76	Casing intact.
QBD-7655	7606.5	6083650.13	629832.09	1656.35		90	58	Hole blocked at 38m(125ft), could not clean out to bottom.
QBD-7656	7606.5	6083746.51	629939.76	1651.93		90	113	Casing intact.
QBD-7657	7610	6083766.69	630017.96	1652.26		90	83	Temporary 6" sleeve slipped onto broken HQ casing.
QBD-7658	7604	6083882.64	629679.33	1592.41	~270	70	195.1	Deepened 23m through K seams - K1 : 597-604' / K2: 607-611' / K3: 624-628'
QBD-7659	7604	6083967.36	629759.66	1594.60	~40	65	137.16	Deepened 93m through K seams and Moosebar contact.
QBR-7587	7612	6083247.08	630250.29	1760.57		90	36.58	Installed casing, redrilled. Relogged for tool calibration purposes July 19/05, Aug 19/05.
QBR-7588	7612	6083238.41	630253.51	1760.99		90	29.87	Casing intact, hole open to bottom.
QBR-7590	7614	6083408.12	630598.64	1744.86		90	43.28	Deepened 2.3m.
QBR-7591	7614	6083365.95	630545.13	1754.27		90	29.87	Casing intact.
QBR-7593	7614	6083329.99	630548.35	1766.30		90	55.16	Casing intact.
QBR-7594	7608	6083601.71	629931.40	1679.27		90	173.7	Deepened 6.7m, past lower coal zone.
						Total:	1247.11	
PREVIOUSLY DRILLED - NOT RE-LOGGED								
QBD-7652	7610	6083453.72	630154.38	1721.00		90	38	1976 survey coordinates; collar lost - casing removed, 3m overburden.
QBD-7660	7610	6083579.41	630248.04	1700.00		90	124	1976 survey coordinates; collar lost - casing removed, deep overburden.
QBD-7661	7618	6082931.66	630710.71	1899.08		90	104	Found casing, hole blocked below casing; hole is outside of 2005 project area.
QBD-7662	7625	6082549.55	631262.33	1913.30		90	162	Found casing, hole blocked below casing; hole is outside of 2005 project area.
QBD-7513	7623	6082773.99	631255.28	1998.00	~035	70	220	Found casing, NQ hole, rock jammed into top of casing; hole is outside of 2005 project area.
QBD-7514	7612	6083361.13	630376.00	1779.26	~215	70	204.1	Found casing, NQ hole, top of casing blocked.
QBR-7570	7595	6084439.38	628883.13	1436.31		90	104	Site found, no casing present; hole is outside of 2005 project area.
QBR-7580	7621	6082774.07	631013.64	1981.02		90	97	Casing found, askew.
QBR-7581	7621	6082744.30	631022.17	1977.06		90	115	Approximate location, 2005 survey; hole is outside of 2005 project area.
QBR-7582	7621	6082684.92	630972.07	1943.12		90	22	Found casing, hole blocked below casing; hole is outside of 2005 project area.
QBR-7586	7612	6083319.25	630308.20	1776.28		90	36	Found casing, hole blocked below casing; intersection duplicated by adjacent RHTR-2005-1.
QBR-7589	7612	6083215.23	630252.73	1760.99		90	27	Estimated location from 2005 survey. Collar lost in reclaimed 1975 trench.
		UTM Coordinates NAD 83				Total :	1253.1	

3.3 2005 Drilling/Trenching

In 2005, twenty six (26) new drill holes on seven cross-sections were planned, in such a way as to make effective use of the 1975-76 data (see Figures 3.3.1 and 3.3.2, Table 3.3.1). At the end of the program, twenty four (24) holes were completed and nineteen (19) of these geophysically logged. All were air-rotary drilled, open holes. As well, fourteen (14) of the 1975-76 drill holes were reentered and relogged; three (3) of these were significantly deepened and provided new information. Detailed records of these thirty eight (38) drill holes and all available information on other historical drill holes are included in Appendix A.

Limited sampling of drill cuttings (82 samples) from shallower coal seams was carried out for coal oxidation and ash geochemistry investigations.

In one hole, RHTR-2005-13C, spot coring was carried out on D2 seam.

Furthermore, to supplement the drill hole data a series of nineteen (19) excavator trenches were completed on several of the coal seams (see Table 3.3.2).

All drill collars and trenches were surveyed with base-station corrected, differential GPS equipment. Most points were surveyed to centimeter-level accuracy.

Figure 3.3.1 Roman Mountain 2005 Exploration Plan-West (See Pocket)

Figure 3.3.2 Roman Mountain 2005 Exploration Plan-East (See Pocket)

2005 Roman Mountain Drilling Program Assessment Report

Table 3.3.1

Drillhole #	1976 Section	Northing	Easting	Elevation	Hole Azimuth	Hole Plunge	Hole Depth (m)	Seam Intersections from Driller reports (m)
RHTR2005-1	7612.8	6083312.99	630307.85	1776.34	215	70	103.63	E1: 5.2-7.2 / E2: 7.9-8.8 / F: 28.7-30.5 / CZ: 77.7-78.6 / G: 85.0-90.5 / I: 91.1-92.2 / J: 94.8-100.0
RHTR2005-2	7610.3	6083518.47	630169.13	1714.96	Vertical	90	241.4	D1: 35.7-37.5 / CZ: 42.4-43.0 / D2: 47.9-51.5 / E: 102.4-106.1 / F: 129.8-132.9 / G: 212.4-218.2 / J: 221.9-236.8
RHTR2005-3	7610.3	6083494.56	630157.71	1718.62	215	80	89.92	D1: 2.4-4.3 / D2: 8.8-12.2 / E: 41.8-46.3 / F: 84.1-86.0
RHTR2005-4	7610.3	6083375.78	630082.47	1713.04	215	70	80.77	G: 8.5-14.9 / J: 17.4-22.9 / K1: 36.0-37.5 / K2: 39.0-39.4 / K3: 44.8-46.6
RHTR2005-5	7610.3	6083561.54	630202.57	1705.25	35	65	67.06	D2: 9.1-14.0 / E1: 38.1-40.8 / E2: 42.1-42.7 / E3: 44.2-44.5 / F: 57.0-59.1
RHTR2005-6	7610.3	6083612.63	630241.05	1691.59	215	70	55.47	G: 35.7-40.5 / J: 43.0-50.6
RHTR2005-7	7612.8	6083416.13	630412.18	1745.31	Vertical	90	147.83	D1: 9.1-10.1 / D2: 15.5-18.3 / E: 46.0-50.0 / F: 68.9-71.9 / CZ: 75.3-75.9 / CZ: 86.9-87.5 / G: 126.8-130.2 / J: 132.9-139.3
RHTR2005-8	7612.8	6083473.94	630450.34	1726.91	35	75	68.28	G: 26.5-29.6 / J: 36.6-42.5 / K1: 49.4-50.6 / K2: 54.6-55.5 / K3: 60.0-61.0'
RHTR2005-9	7607.5	6083573.64	629885.87	1667.27	215	60	24.38	None
RHTR2005-10	7607.5	6083685.50	629960.04	1666.75	Vertical	90	207.3	D1: 70.1-71.6 / CZ: 73.5-75.3 / D2: 77.4-82.0 / E: 108.8-111.6 / CZ: 180.4-182.0 / CZ: 183.2-184.7 / CZ: 197.5-199.0
RHTR2005-11	7607.5	6083784.76	630030.14	1651.67	35	65	52.42	G: 11.9-14.3 / J: 17.4-22.9 / K1: 35.7-37.8 / K2: 38.7-39.9 / K3: 43.0-43.6
RHTR2005-12	7607.5	6083736.53	629999.65	1656.35	35	70	57	E3: 7.0-7.3 / F: 27.4-29.0 / CZ: 35.1-36.6
RHTR2005-13C	7605	6083842.06	629764.67	1627.59	Vertical	90	252.99	D1: 25.3-27.1 / D2: 57.6-65.2 / E: 117.7-118.6 / F: 154.2-157.0 / G: 218.8-224.6 / GG: 228.0-234.4 / J: 236.2-242.6 / JJ: 245.1-248.7
RHTR2005-14	7602.5	6083961.36	629537.73	1538.91	215	60	121.92	F1: 17.7-18.6 / F2: 25.0-26.5 / G: 96.3-100.9 / J: 105.2-114.9
RHTR2005-15	7602.5	6083986.62	629554.04	1538.39	215	85	178.31	E1: 34.4-38.1 / E2: 39.0-40.5 / E3: 42.1-43.0 / G: 150.9-156.1 / J: 160.9-169.5
RHTR2005-16	7600	6084060.90	629365.72	1459.71	215	50	64.01	G: 28.7-144.2 / J: 46.3-54.3
RHTR2005-17	7600	6084101.45	629381.77	1457.22	Vertical	90	121.92	F: 14.3-15.3 / G: 67.1-75.6 / K1: 103.0-104.9, 105.5-107.3 / K2: 108.5-109.7 / K3 114.3-115.8
RHTR2005-18	7600	6084146.06	629392.45	1454.63	35	60	42.67	G: 23.8-27.1 / J: 29.0-35.1
RHTR2005-19	7597.5	6084232.16	629147.94	1437.10	215	60	85.35	J: 54.9-59.1 / K: 74.4-78.0
RHTR2005-20	7597.5	6084259.07	629162.73	1435.66	Vertical	90	109.72	G: 74.7-88.4 / J: 90.8-102.1
RHTR2005-21	7597.5	6084293.77	629184.62	1436.02	35	60	51.21	None
RHTR2005-22	7602.5	6084004.16	629564.74	1537.83	35	70	100.58	E1: 8.5-10.7 / E2: 11.3-12.2 / F: 29.9-30.2 / G-J: 75.6-88.4
RHTR2005-23	7605	6083693.18	629654.33	1604.44	215	60	27.43	G: 7.3-10.4 / J: 11.6-19.8
RHTR2005-24	7605	6083792.56	629736.18	1631.26	215	60	158.49	D1: 13.7-14.6 / D2: 20.7-23.2 / E: 46.3-49.1 / F: 67.7-70.7 / G: 110.9-119.5 / J: 123.4-129.2 / K1: 141.4-142.3 / JJ: 143.0-150.3
		UTM Coordinates NAD 83			Total:	2510.06		

Table 3.3.2

Trench #	Section	Northing	Easting	Elevation	Seam	Limb of Syncline	Bedding	Azimuth of Seam Normal	Plunge of Seam Normal	True Stratigraphic Interval			Comments
										Seam Top (m)	Seam Bottom (m)	True Width	
R2005-1	7612.8	6083336.60	630334.12	1779.51	D2	Southwest	155 / 36°NE	245	-54	2.91	6.6	3.69	
R2005-2	7610.3	6083445.27	630136.77	1716.17	E1	Southwest	120 / 58°NE	210	-32	1.49	4.51	2.18	
R2005-2	7610.3				E2	Southwest	120 / 58°NE	210	-32	4.99	5.83	0.84	
R2005-2	7610.3				E3	Southwest	120 / 58°NE	210	-32	7.48	7.93	0.45	
R2005-3	7610.3				F bone	Southwest	120 / 45°NE	210	-45	0.71	0.96	0.25	Bedding unmeasurable, estimated from cross-section.
R2005-3	7610.3	6083422.32	630113.17	1716.71	F	Southwest	120 / 45°NE	210	-45	0.96	3.4	2.44	Bedding unmeasurable, estimated from cross-section.
R2005-4	7607.5	6083615.49	629926.25	1679.59	D1	Southwest	115 / 36°NE	205	-54	2	2.75	0.75	
R2005-4	7607.5	6083610.61	629923.99	1677.13	D2	Southwest	115 / 42°NE	205	-48	7.16	11.21	4.05	
R2005-5	7607.5	6083557.71	629913.90	1671.70	F	Southwest	115 / 52°NE	205	-38	1.58	3.73	2.15	
R2005-6	7605	6083894.58	629817.57	1612.61	F	Northeast	310 / 60°SW	40	-30	2.05	4.22	2.17	
R2005-7	7605	6083883.22	629798.41	1616.24	E1	Northeast	308 / 74°SW	38	-16	0.96	2.84	1.88	
R2005-7	7605				E2	Northeast	308 / 74°SW	38	-16	3.19	3.9	0.71	
R2005-7	7605				E3	Northeast	308 / 74°SW	38	-16	4.77	5.15	0.38	
R2005-8	7605				D1	Northeast	308 / 54°SW	38	-36	5.96	6.37	0.41	
R2005-8	7605	6083867.21	629779.84	1621.20	D2	Northwest	308 / 54°SW	38	-36	16.21	18.81	2.6	
R2005-9	7605	6083733.87	629672.82	1605.18	F	Southwest	125 / 52°NE	215	-38	0.66	1.7	1.03	
R2005-10	7602.5	6083969.68	629548.41	1539.74	E1	Southwest	325 / 68°NE	235	-22	4.92	8.02	3.1	
R2005-10	7602.5				E2	Southwest	317 / 79°NE	227	-11	8.27	8.78	0.51	
R2005-10	7602.5				E3	Southwest	310 / 90°	220	0	10.04	10.42	0.38	
R2005-11	7602.5	6084010.64	629573.06	1539.74	E1	Northeast	285 / 65°S	15	-25	2	6.07	4.07	
R2005-12	7602.5	6083842.51	629462.90	1536.36	G/I	Southeast	310 / 47°NE	220	-43	3	9.75	6.75	
R2005-12	7602.5	6083842.51	629462.90	1536.36	G approx	Southwest	310 / 47°NE	220	-43	3	7.3	4.3	Estimated thickness of G by subtracting 2.45m G/J interseam from R2005-13.
R2005-12	7602.5	6083826.73	629452.07	1533.75	J	Southwest	310 / 47°NE	220	-43	11.55	17.25	5.7	
R2005-13	7602.5	6084055.38	629614.65	1539.01	G	Northeast	126 / 65°SW	36	-25	3.12	6.22	3.1	
R2005-13	7602.5				I	Northeast	126 / 65°SW	36	-25	6.7	7.03	0.33	
R2005-13	7602.5	6084067.12	629617.07	1535.70	J	Northeast	130 / 62°SW	40	-28	8.67	15.17	6.5	
R2005-14	7602.5	6084082.45	629624.09	1538.86	K1	Northeast	126 / 57°SW	36	-33	1.22	2.11	0.99	
R2005-14	7602.5				K2	Northeast	126 / 57°SW	36	-33	3	3.62	0.62	
R2005-15	7604	6083835.17	629641.65	1585.62	E1	Southwest	110 / 30°NE	200	-60	0.85	3.32	2.47	
R2005-15	7604				E2	Southwest	110 / 30°NE	200	-60	4.01	5.07	1.06	
R2005-15	7604				E3	Southwest	110 / 30°NE	200	-60	6.66	6.94	0.28	
R2005-16	7604	6083888.28	629686.19	1592.48	D2	Southwest	155 / 38°NE	245	-52	5.84	9.82	3.98	
R2005-17	7607	6083615.56	629868.62	1662.09	E1	Southwest	130 / 66°NE	220	-24	5	6.81	1.81	
R2005-17	7607				E2	Southwest	130 / 66°NE	220	-24	7.15	7.92	0.77	
R2005-17	7607				E3	Southwest	110 / 58°NE	200	-32	9.01	9.27	0.26	
R2005-18	7600.5	6084125.61	629472.98	1474.22	G	Northeast	135 / 60°SW	45	-30	6.1	8.95	2.85	
R2005-18	7600.5				I	Northeast	135 / 60°SW	45	-30	9.15	9.69	0.54	
R2005-19	7603	6083973.03	629621.87	1558.19	D1	Northeast	114 / 74°SW	24	-16	12	12.43	0.43	
		UTM Coordinates NAD 83											

3.4 Access

During early June 2005 property access was reestablished via the existing Babcock Creek Road and Roman Mountain south side road.

A temporary bridge was installed across Johnson Creek, about 50 metres below the historical bridge site. A wooden-decked steel bridge was employed here, and remains in place.

The single lane Babcock Creek Road has gentle grades throughout, and a roadbed which was found to be in sound condition. Rehabilitation involved ditching and culvert installation, minor slump repair, and dressing of the running surface.

At 8.5km from the old Babcock exploration camp, the 1970's era Roman Mountain south side road branches off and crosses Five Cabin Creek. This road climbs about 5.5km to the alpine areas of Roman Mountain, reaching an altitude of 1930m. Grades are generally <10%, except for five steeper switchbacks. The running surface is firm and fairly rough, with frequent cross-ditches to handle runoff. Beyond this point, grades of 20% are the rule with occasional pitches exceeding 30% as the trail descends to the northwest.

The existing network of drill trails was reopened to all 1975-76 drill sites, and approximately 1.5km of new exploration trail was constructed down the northwest face of the mountain. Exploration trail construction ended a short distance above the final slope down to Babcock Creek. From there, a 300m walking trail was brushed out to the 2km point of the Babcock Creek Road. However, steep slopes preclude vehicle/equipment access through this route.

4 2005 Exploration Work

4.1 Drilling

Some 2640 metres of drilling was completed over three months, including 2510 metres in twenty four (24) new holes. The drilling contractor, Drexel Drilling Services Ltd., mobilized onto the site during July 1-2. Average drilling progress was 28.4 m/day (93.2 ft/day) over 93 days from July 1 through October 1.

All 2005 holes were drilled using open-hole percussion drilling. One hole, RHTR-2005-13C, was partially spot cored with 3" diameter rotary coring equipment. An interval from 54.57-68.85m was cored, including all of D2 seam. Unfortunately, coal recovery was poor (50%) and plans for additional coring were abandoned. A log of hole RHTR-2005-13C is included in Appendix B.

Fourteen historic holes from 1975-76 were reentered, cleaned out and relogged; this included 130m of hole deepening, mainly of QBD-7658 and QBD-7659. Five historic holes within the project area were not reentered because of casing that had been removed and the collars lost (QBR-7586, QBR-7589, QBD-7652, QBD-7660) or diameter too small for the tools on hand (QBD-7514). Seven holes outside of the project area were not reentered.

All 2005 drillholes were cased, usually to 3 to 9m depths, with 5" or 6" steel casing. The casing was left in the holes except for holes RHTR-2005-5, 14 & 15 where casing was removed for re-use and replaced with 4" white PVC pipe.

Snowfall in September caused access problems, both because of the steep gradients of the trails and because of snow drifts that form rapidly under windy conditions in the alpine areas. These conditions forced the end of activities, and the contractor removed all of his equipment from the site on Oct 5.

Most drill holes intersected all of their targets and were successfully logged. The exceptions were:

- a) Hole RHTR-2005-9, which was collared below its target and encountered no coal, and
- b) Holes RHTR-2005-17, 19, 20, 21 and 22, which encountered hole pinching or caving, and despite repeated attempts could not be logged.

4.2 Trenching

A series of excavator trenches were opened on outcrops or subcrops of all of the major coal seams. Most of these were situated to supplement the drilling data on cross-sections, and in these cases the entire section of interest was exposed and logged. In addition, several seams that were incidentally encountered in exploration trail cuts were exposed and logged. In all, nineteen (19) trench logs were completed.

Whenever possible, the roof and floor contacts of the seams were surveyed to cm-level accuracy. In cases where unstable ground conditions existed, a representative point above the top contact of the uppermost seam was marked and surveyed and coordinates of lower points calculated from trench log measurements. The coordinates shown in Table 3.3.2 in all cases refer to a point on the hanging wall of each seam.

All trenches were backfilled except for those exposed in access trail cuts that form part of water management ditches.

The trench logs are included in this report in Appendix C.

4.3 Geophysical Logging

As a matter of course, all drill holes were geophysically logged, except as noted in section 4.1 above. The geophysical contractor was Century Geophysical Corp. of Canada.

All holes were logged with a gamma/neutron/deviation tool (either tool #9055 or #9057) and with a gamma/density/resistivity/caliper tool (either tool #9034 or #9139). Some holes were also logged with a dipmeter/deviation tool (#9410) though high footage cost and slow logging rate militated against its frequent use. Century has provided ASCII .las and graphic .tif files of all geophysical logs.

Quality of data was found to be good. In order to qualify small variations in the density data a convenient hole, QBR-7587, was chosen as a calibration hole, and both density tools were run there through the G-J seam section. When comparing 2005 data with existing 1970's geophysical logs, the neutron logs gave essentially identical data although

the 2005 logs are printed on a more useful scale. Density logs from 2005 are markedly superior to those from 1975-76. Only a handful of deviation logs were run in the 1970's, so the 2005 data was new in almost all cases.

All of the 2005 geophysical logs, including those of historical drill holes, are included on disk in Appendix D. wholly

4.4 Surveying

The 1975 and 1976 topographical and geological maps of Roman Mountain were reproduced from microfiche and their geological data transferred to a 2005 topographic base map prepared from LIDAR data. Drillhole survey coordinates from 1975-76 were also on hand, and their NAD 27 UTM coordinates were converted to NAD 83.

During the program all historical and new roads, trails, and drillholes were surveyed with NEMI's backpack GPS using Solo Field software, which is generally accurate to ± 2 metres.

Late in the program, all drillholes and trenches were re-surveyed by Allnorth Consultants Ltd. personnel with Leica SR530 RTK equipment using Carlson SurvCE software, which employs base-station corrected, differential GPS to achieve centimeter-level accuracy. One drillhole, RHTR-2005-22, and several nearby trenches could only be surveyed to sub-metre accuracy because of unfavorable satellite positioning and tree cover.

The locations of drillholes and trenches shown in Tables 2.2.1, 2.3.1 and 2.3.2 are the highest accuracy data acquired to date for each point.

4.5 Sampling and Analysis

A total of eighty two (82) samples of drill cuttings were taken from selected coal seams during the early parts of the program (see Appendix E). These were mainly from coal seams intersected at shallow overburden depths. Seams were sampled in their entirety, beginning as soon as a coal intersection was recognized, in 90cm (3ft) intervals. Cuttings were separated from the return air in a drill-mounted sample collector, and passed directly into woven rice bags. These were immediately removed from the site and stored at NEMI's core facility in Tumbler Ridge.

During December 2005 the NEMI mine lab analyzed these for ash percentage and FSI; results are shown in Appendix F. From these, samples were selected and combined to form five composites, representing D2, E1, F, G and J seams, which were sent to Loring Laboratories in Calgary, Alta. and analyzed for ash content and FSI. Following this, an attempt was made to float the composites to a reasonable approximation of clean coal in preparation for ash geochemistry analysis. Proximate analysis and FSI were performed on the composites and clean fraction, ash content and FSI on the tails, and ash geochemistry on the clean fraction.

Owing to the finely pulped nature of the samples the float was unsuccessful, effecting only marginal separation of coal and waste. Therefore, the results of the ash geochemistry are not considered to accurately reflect the characteristics of washed coal. All analytical results from the composite samples are shown in Appendix F.

Coal recovered from coring D2 seam in RHTR-2005-13C was sampled. A total of 10 intervals representing significant coal seam features were chosen, and sampled in their

entirety. They were packaged and shipped to Loring Laboratories Ltd. in Calgary during October 2005. Analytical results are shown in Appendix G.

All certificates of analysis are appended in Appendix H.

5 Geology

5.1 Regional Setting

In the Trend Mine/Roman Mountain area the stratigraphy is confined to the Lower Cretaceous section (see Figure 5.1.1 – Regional Stratigraphic Section). Significant units are:

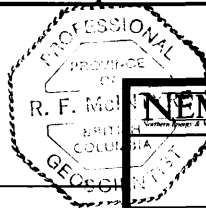
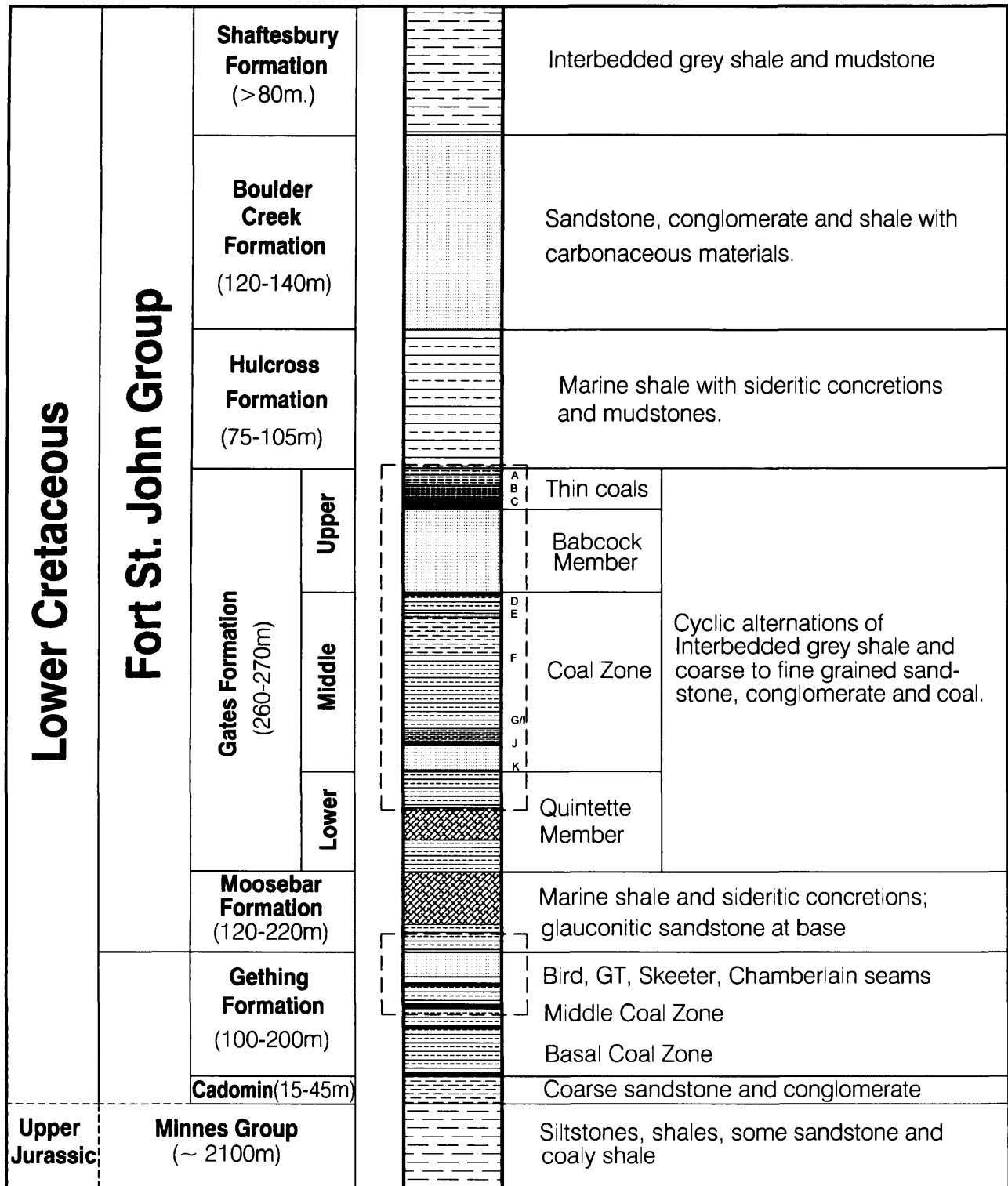
- Nikanassin Formation (Minnes Group): Mainly argillaceous with occasional siltstones, fine sandstones and minor coal; to date economic coal seams have not been found. This unit straddles the Jurassic-Cretaceous boundary at Roman Mountain.
- Cadomin Formation (Bullhead Group): Mainly coarse grained, well cemented conglomerates; its thickness ranges from 15-45m. The Cadomin is commonly highly resistant to weathering and is a widespread regional stratigraphic marker. This unit sits disconformably on the Minnes Group; however all of the formations of the Bullhead and Fort St. John Groups are conformable.
- Gething Formation (Bullhead Group): Consists of alternating units of fine to coarse grained sandstone, carbonaceous shale, coal, siltstone and conglomerate. Three to four significant coal seams occur in upper part of this formation, and form part of the Trend Project reserves. Historically, the Gething Formation coals have not been mined in this area. The upper contact is a thin bed of pebble conglomerate overlain by distinctive glauconitic, marine sandstones that form the base of the overlying Moosebar Fm. Its thickness ranges from 120-200m.
- Moosebar Formation (Fort St. John Group): Mainly homogeneous dark grey shales and siltstones, often sideritic, this marine unit grades upward into similar, continental shales forming the base of the overlying Gates Formation. The lower half of this unit is the most recessive-weathering rock in the area and commonly forms linear gullies and stream channels. Its thickness ranges from 120-215m.
- Gates Formation (Fort St. John Group): The major coal-bearing unit of the study area, consisting of siltstone, shale, sandstone, conglomerate and several cycles of coal deposition. It is generally subdivided into four sub-units, termed the Upper Gates member, the Babcock member, the Middle Gates member and the Quintette member.

The Quintette member, ~ 80-90m thick, consists primarily of massive, fine grained siltstones and sandstones. The Middle Gates, ~90-100m thick, consists of a series of fining-upward sequences that culminate in coal development, and hosts all of the economic coal seams of the Gates Fm. The Babcock Member is a channel deposit sequence of massive sandstones, conglomeratic sandstones and chert pebble/granule conglomerates, averaging 20-30m thick. The Upper Gates member is a 30-40m series of shales and sandy shales with several thin, discontinuous coal seams. A very thin bed of ferruginous chert pebbles marks the top of the unit. Overall thickness of the Gates Formation is 270-300m.

- Hulcross Formation (Fort St. John Group): A marine unit consisting of medium-dark grey shales with thin interbeds of siltstone and very fine sandstone. Its thickness ranges from 75-105m.
- Boulder Creek Formation (Fort St. John Group): Made up of alternating sequences of shale and med-fine greywacke, overlain by fine conglomerate and conglomeratic sandstone. Some thin, discontinuous coal seams exist but are not considered of economic interest. Its thickness averages ~130m.
- Shaftesbury Formation (Fort St. John Group): The uppermost unit found in the area, consisting of dark grey-black marine shales with minor siltstone, with a thickness of >80m.

Formation

Lithology



NEMI NORTHERN ENERGY & MINING INC.

ROMAN MOUNTAIN

STRATIGRAPHIC SECTIONS

DRAWN BY: BT
DATE: 26-Jun-06
REV: 00

DRILLING PROGRAM ASSESSMENT REPORT

Fig. 5.1.1

5.2 2005 Program Overview

The 2005 drilling targeted the Gates Formation coals, exposed on this part of Roman Mountain in the Murray Syncline. Rocks of the Upper Gates section, above the Babcock Member, are the youngest found in the project area – no Hulcross or younger formations have been found here. Older rocks of the Moosebar, Gething, Cadomin and Nikanassin Formations are present on both limbs of the syncline, but were not studied in 2005.

The 2005 drilling tested the entire Gates formation section from the Upper Gates through to its lower contact with the Moosebar Formation. Five major coal seams, termed D, E, F, G and J, are present and several subsidiary seams have been identified (see Table 5.2.1). Seam nomenclature is consistent with that of Trend and other mines in the area, with D seam being the uppermost major seam, sitting just below the Babcock member, and J seam the lowest major seam present.

Coal seams of the upper Gething formation were mapped on Roman Mountain in 1975, and are visible in outcrop on both limbs of the syncline. No drilling or trenching has yet been done on these, but published reports suggest that economic seams may persist through the Roman Mountain property. Quintette Coal Ltd.(August, 1976) estimated the upper Gething coal seam (termed the Bird Seam), to have an average true thickness of 4.6m on Roman Mountain. Coal-EX Consultants (Perry, 2004) reported the seams of the Bird/GT zone of the Gething Formation to have an average aggregate true thickness of 9.07m on the Trend South block, approximately 1km northeast of the 2005 Roman Mountain project area.

Overburden cover is variable, ranging from a few cm thick in the center of the syncline to 3-4 metres on the northeast limb. The northwest end of the project area is a gently sloping bench sitting about 50m above Babcock Creek. This area experiences high groundwater discharge and is open and swampy. It is typically covered by 5-6m of till, mantled by up to 1m of peaty, organic soil.

Proofing of the 1970's geological model was integral to the 2005 program, and most of the original geological interpretation was confirmed. The surface geological mapping was found to be accurate, consequently drill holes could be spotted and coal seams trenched in several metres of overburden with confidence. No major changes to the stratigraphic interpretation were found to be necessary, though some local variations and refinements were identified. The structural model of the syncline was generally accurate, though additional data and improved drill collar survey accuracy have lead to some revisions.

Table 5.2.1

Seam	# of Data Points	Sum of Seam Thicknesses	Mean Seam Thickness	NEMI 2005 Mean Seam Thickness - Major Seams	Quintette 1976 Mean Seam Thickness
D1	11	10.23	0.93	0.93	1.26
D2	13	41.15	2.90	2.90	2.98
D3	1	0.58	0.58		
E1	22	48.53	1.98	1.98	2.04
E2	22	15.95	0.73		
E3	20	7.43	0.37		
F	22	41.41	1.74	1.74	2.08
G	26	103.97	3.91	3.91	2.96
I	18	12.60	0.70		
J	27	162.16	6.26	6.26	4.87
K1	9	8.88	0.99		
K2	8	6.62	0.83		
K3	7	5.14	0.73		
K4	1	0.54	0.54		
Sum of Mean coal thicknesses, Major seams only **	* No weighting applied for seam area, only D1, D2, E1, F, G&J seams included.	* Only logged holes and trenches in the 2005 study area have been used in these estimates.		17.72	16.19

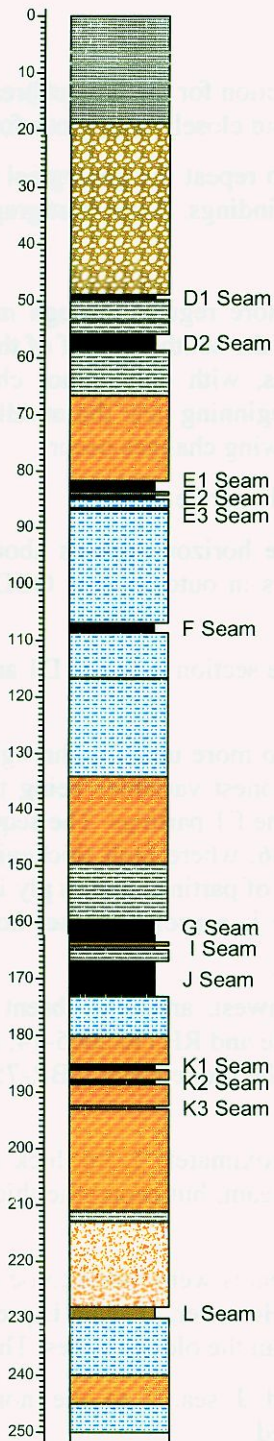
5.3 Stratigraphy

A generalized stratigraphic section for the project area is presented in Figure 5.3.1. Major units and coal seams correspond closely with those found at the nearby Trend Mine.

This report will not attempt to repeat the geological details presented in earlier sources; rather it concentrates on new findings. Some stratigraphic details noted in 2005 include:

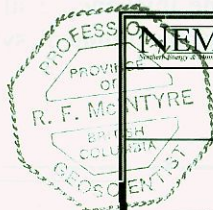
- The D seam section is more regular through much of the study area than earlier interpretations suggest. In the southeast half of the study area the sequence shown in Figure 5.3.1 is ubiquitous, with only minor changes in relative thickness of the various units. However beginning near the middle of the project area and increasing to the northwest, the following changes occur:
 - The overlying D conglomerate thins.
 - A lower conglomerate horizon appears about 1.5m above the central D coaly zone, and first appears in outcrop near QBD-7655. This thickens to 1-2m near QBD-7658.
 - The siltstone/claystone section between D1 and this lower conglomerate thickens to 6-8m.
- The E seam section is also more uniform throughout the study area than previously indicated, with the commonest variables being the overall thickness of E1 and the number and thickness of the E1 partings. The sequence shown in Table 4 was seen in all holes except QBD-7656, where fault thickening of E1 is suggested, and RHTR-2005-15 where thickening of partings makes ply identification problematical. A high-gamma tonstein claystone is a useful marker horizon, typically seen as the lowest major parting within E1.
- F seam thins to the northwest, and was absent in RHTR-2005-15. A second “F” horizon appears in this hole and RHTR-2005-14, about 8m higher in the stratigraphic section. This is similar to the sequence of QBR-7570, where two 1m coal seams were found at these horizons.
- A carbonaceous zone approximately 2-3m thick was found at the base of the Sub-K sandstone. It is termed L seam, but economic thicknesses of coal have not been seen at this horizon.
- Thicknesses of D and E seams were found to be very close to 1976 estimates, and F seam about 15% thinner. However, G seam is presently estimated to be 32% thicker, and J seam 28% thicker than the old estimates. The apparent causes include:
 - Thickening of G and J seams to the northwest, where many of the new intersections are located.
 - Thinning of F seam in the same area.
 - New drilling included some thickened coal sections near the fold hinge. All of the 1970’s holes intersected the “thinned” syncline limbs.

ROMAN MOUNTAIN Typical Stratigraphic Profile



LEGEND

- Coal
- Dirty Coal
- Coaly Claystone
- Carbonaceous Claystone
- Claystone
- Siltstone
- Sandstone (fine-grained, argillaceous)
- Sandstone (medium to coarse-grained, clean)
- Conglomerate



NEMI NORTHERN ENERGY & MINING INC.

ROMAN COAL PROJECT

TYPICAL STRATIGRAPHIC SECTION

DRAWN BY: PW
DATE: 20-Apr-06
REV: 00

Fig. 5.3.1

5.4 Structure

The 2005 drilling validated the 1976 structural interpretation of the Murray Syncline on Roman Mountain. Commonly the structure is a roughly symmetrical chevron fold whose limbs dip fairly uniformly at an average of $\pm 50^\circ$. The fold axial trend is $130^\circ T$, with the hinge plunging at an average of 7.5° to the northwest. The northeast limb of the fold exhibits regular bedding of $40\text{-}60^\circ$ throughout, and faulting is uncommon. The southwest limb is more variable, with bedding angles from 12° to 78° recorded. Discontinuous thrust faulting and repetition of J seam are observed at intervals along the southwest limb.

Significant changes to the original structural interpretation include:

- The syncline hinge appears to be significantly tighter, and the bottom of J seam in the hinge zone slightly deeper (10-30m) than formerly thought. Thickening of coal seams near the hinge is evident.
- At hole RHTR-2005-1 a roll in the bedding on the southwest limb was not present – this interpretation had resulted from a 1975 error in surveying QBD-7514.
- Dipmeter surveys of many 2005 holes, along with surface mapping of bedding variations, suggest that small-scale folding may be a common feature.
- No firm evidence was found of thrust faulting on the northeast limb of the structure; however fault thickening and repetition of the G/J seam section was found in QBR-7594, RHTR-2005-13C, RHTR-2005-24 and RHTR-2005-16. This may be a common feature of the deeper portions of the southwest limb throughout the deposit.
- Near the middle of the project area (Section R 11750) the drilling encountered J seam thickening in QBR-7594, unstable ground in RHTR-2005-10, high water returns in RHTR-2005-12 and E seam thickening of QBD-7656. These features could be interpreted as a resulting from folded thrust faults through these drill holes. More drilling is needed to qualify this interpretation.
- A secondary flexure on the southeast limb is prominent from RHTR-2005-24 to RHTR-2005-14, and widens the coal deposit significantly in this area.
- In the same area the primary fold hinge appears near-isoclinal, with steep and overturned bedding and axial-plane shearing found in trenches and outcrop. This helps to explain the apparent “disappearance” of the northeast limb D-conglomerate on air photos – it thins, steepens and is masked by $\sim 3\text{m}$ of overburden.
- In light of this tight folding, a near-vertical fault shown in the 1976 interpretation is not required to explain stratigraphic thickening. The fault was not identified in drilling, trenches or outcrop, and is therefore now excluded..
- The northwest 500m of the syncline is somewhat wider and deeper than originally thought.

Overall dimensions have been found to be close to earlier estimates but additional data has permitted NEMI to refine the structural model. This structural interpretation is presented in 9 cross-sections in Appendix I, which also includes 7 additional cross-sections of the remainder of the Roman Mountain deposit southeast of the 2005 study area, based on all data at hand.

6 Coal Resources

Historic coal resource estimates conducted by Denison Mines Limited for the Roman Mountain Gates Formation coals totaled 27.63 Mt of raw coal (Gormley, December 1976). An estimated stripping ratio of 7.37:1 had also been published by Quintette, based on an earlier resource estimate of 22.1 Mt of raw, unoxidized coal.

A recent estimate of resources has been made by Coal-Ex Consulting (Perry, 2002). Based on a range of historical reserve estimations Perry considered the Gates Formation of Roman Mountain to contain a resource of 26.2 Mt of coal, classified as inferred, in-place and of "immediate interest". Coal-Ex did not publish an estimated stripping ratio.

NEMI's 2005 project area encompasses about half of the coal deposit used in historical estimates. The 2005 program employed a density and distribution of data points sufficient to define an Indicated Resource for Complex coal deposit in accordance with the standards of GSC Paper 88-21 (Hughes et al, 1989). The results of the 2005 program support earlier resource estimates, but no NI 43-101 standard estimates have been made incorporating the 2005 exploration data.

7 Reclamation

NEMI policy is to keep exploration disturbance to the smallest practical area, maintain natural soil profiles whenever possible to enhance natural regeneration, control runoff to prevent erosion, recontour and revegetate disturbed sites as soon as work on those sites is completed, and leave all exploration areas in a safe and stable condition at the end of the field season.

Existing roads and trails were employed to the largest extent possible. In 2005, new surface disturbance was kept to ~2.7ha.

Primary access reconstruction was confined to the existing Babcock Creek road and Roman south side road, with very little disturbance extending beyond the shoulders of the running surface. During July, these roads were seeded with the same seed mixtures approved for the Trend mine site; good germination and growth was observed.

Within the project area, drill trails crossed small streamlets in two locations, and immediately after drilling these were seeded and mulched with straw. Though these are higher in elevation than the roads good germination took place, aided by the relatively cool, moist summer weather.

Drill pads were not recontoured in 2005, as it is expected that many will be reused in 2006. As a matter of course trenches were immediately backfilled after logging, the sites recontoured and any slash scattered over the sites. All isolated trenches were treated in this manner; only the minority of exposures located in road cuts and ditches were left open. All sites were left in a safe condition.

A slashing crew was employed for 13 days in August and September. They bucked and scattered woody slash wherever new trails had been constructed, and corduroyed some sections of the lowest trails using timber salvaged from the trail construction.

At the end of the program the onset of snow and mechanical problems forced a hurried departure. Reclamation efforts were limited to cross ditching and temporary deactivation

of the main access road, from the highest point on Roman Mountain down to the lowest-elevation drill sites, such that all steep sections susceptible to erosion were protected.

Near drill holes RHTR-2005-16, 17 & 18 the prevailing wet ground conditions had resulted in a somewhat larger disturbed area during construction. Here the soil piles were recontoured, seeded and fertilized. Unfortunately, last-minute snowfall prevented additional seed supplies being brought in and only the low-elevation trails and disturbed areas below Trench R2005-14 were seeded and fertilized.

The bridge at Johnson Creek remains in place to serve Hillsborough Resources Ltd's winter drilling program at Five Cabin Creek. Hillsborough has accepted responsibility to remove the bridge at the end of this program.


The crossing at Five Cabin Creek has a reputation for washing out, so those culverts were removed on October 16. Preexisting channel width and gradient were restored and a 1m high safety berm was constructed across the approach.

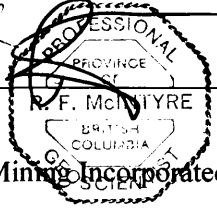
8 Expenditures

A field budget prepared in May 2005 estimated 2005 drilling program expenses to be \$684,900.00. Actual expenditures for this work during the period June through October 2005 were \$541,068.17. Savings were achieved in the areas of personnel costs, heavy equipment, geophysical logging and support. The drilling contractor's charges came in at the expected amount, as reduced drilling meterage balanced out higher than expected unit costs. Details are presented in Appendix J.

9 Conclusions

The 2005 Roman Mountain exploration program accomplished most of its goals. Property access was reestablished and extended, 1970's drill holes were located and reexamined, and existing data and geological interpretations were qualified and largely confirmed. Twenty-four (24) new drill holes and nineteen (19) trenches were completed, confirming the deposit size and refining the structural and stratigraphic interpretation. Modern estimates of coal tonnage were produced that are consistent with historical resource estimates. The southeast half of the deposit was not examined in 2005, neither were the coal deposits of the Gething Formation. Further work will be required to delineate resources in these areas.


Ronald F. McIntyre, P. Geo
NEMI Northern Energy & Mining Incorporated
June 15, 2006



The seal is circular with a double border. The outer ring contains the text 'PROFESSIONAL ENGINEER' at the top and 'BRITISH COLUMBIA' at the bottom. The inner circle contains the name 'R. F. MCINTYRE' in the center, with 'PROVINCE' above it and 'COUNCIL' below it. A handwritten signature is written across the seal.

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Appendix A

Drill Hole Records

Drill Hole Summary Sheet

Hole Number: QBD-7651

Hole Type	Core	Survey Instrument / Accuracy	Leica SR530 / 2-5 cm
Collar Elevation (m)	1710.49	Collar Bearing (°)	Vertical
Total Depth (m)	128.00	Hole Angle (°)	-90
Length of Casing (m)	0.5	Date Drilling Complete	Redrilled July 21/2005
Hole Diameter	HQ	Date Geophys. Logged	July 23/2005
Core size	HQ	Date Core Logged	1976
NAD 83 UTM Coordinates		Mine Grid Coordinates*	
Northing (m)	Easting (m)	Northing (m)	Easting (m)
6083543.11	630188.31	9448.03	12009.75

Geophysical Data

Gamma - Density	Gamma - Neutron	Exp. Gamma - Density	Deviation	Dipmeter	Dipmeter Deviation	Other	Logging Tools ID
x	x	x	x	x	x	-	9057, 9034, 9410

Comments:

Drilling Contractor: Derex Drilling Services Ltd.
 Geophysical Contractor: Century Geophysical Corp.

Hole Deepened 4 m.

*Note: Mine Grid Point of Origin at UTM Zone 10 (NAD 83) 608079.06 N, with Rotation of 24.22° East.
 637701.86 E

Downhole Survey Summary Table

Hole Number: **QBD-7651**

FROM (m)	TO (m)	UTM AZIMUTH (°)	MG AZIMUTH (°)	DIP (°)	SLANT ANGLE (°)
0.0	10.0	140.0	115.8	-90.0	0.0
10.0	12.0	139.9	115.7	-88.5	1.5
12.0	14.0	139.3	115.1	-88.6	1.4
14.0	16.0	139.0	114.8	-88.7	1.3
16.0	18.0	138.5	114.3	-88.2	1.8
18.0	20.0	138.1	113.9	-88.4	1.6
20.0	22.0	137.6	113.4	-88.4	1.6
22.0	24.0	136.9	112.7	-88.4	1.6
24.0	26.0	136.2	112.0	-88.6	1.4
26.0	28.0	135.6	111.4	-88.4	1.6
28.0	30.0	135.0	110.8	-88.4	1.6
30.0	32.0	134.6	110.4	-88.4	1.6
32.0	34.0	134.1	109.9	-88.3	1.7
34.0	36.0	133.9	109.7	-88.1	1.9
36.0	38.0	133.8	109.6	-88.1	1.9
38.0	40.0	133.7	109.5	-88.1	1.9
40.0	42.0	133.7	109.5	-88.0	2.0
42.0	44.0	133.8	109.6	-88.0	2.0
44.0	46.0	133.8	109.6	-87.9	2.1
46.0	48.0	133.9	109.7	-87.9	2.1
48.0	50.0	134.0	109.8	-87.8	2.2
50.0	52.0	134.0	109.8	-87.7	2.3
52.0	54.0	133.9	109.7	-87.8	2.2
54.0	56.0	133.7	109.5	-87.9	2.1
56.0	58.0	133.4	109.2	-87.8	2.2
58.0	60.0	133.3	109.1	-87.8	2.2
60.0	62.0	133.2	109.0	-87.7	2.3
62.0	64.0	133.0	108.8	-87.7	2.3
64.0	66.0	132.9	108.7	-87.7	2.3
66.0	68.0	132.7	108.5	-87.6	2.4
68.0	70.0	132.5	108.3	-87.7	2.3
70.0	72.0	132.3	108.1	-87.7	2.3
72.0	74.0	132.1	107.9	-87.7	2.3
74.0	76.0	131.9	107.7	-87.6	2.4
76.0	78.0	131.7	107.5	-87.6	2.4
78.0	80.0	131.5	107.3	-87.5	2.5
80.0	82.0	131.3	107.1	-87.6	2.4
82.0	84.0	131.1	106.9	-87.5	2.5
84.0	86.0	130.9	106.7	-87.6	2.4
86.0	88.0	130.6	106.4	-87.4	2.6
88.0	90.0	130.4	106.2	-87.4	2.6
90.0	92.0	130.1	105.9	-87.3	2.7

Downhole Survey Summary Table

Hole Number: **QBD-7651**

FROM (m)	TO (m)	UTM AZIMUTH (°)	MG AZIMUTH (°)	DIP (°)	SLANT ANGLE (°)
92.0	94.0	129.8	105.6	-87.3	2.7
94.0	96.0	129.5	105.3	-87.3	2.7
96.0	98.0	129.2	105.0	-87.3	2.7
98.0	100.0	128.8	104.6	-87.3	2.7
100.0	102.0	128.5	104.3	-87.2	2.8
102.0	104.0	128.2	104.0	-87.1	2.9
104.0	106.0	127.8	103.6	-87.2	2.8
106.0	108.0	127.4	103.2	-87.1	2.9
108.0	110.0	127.0	102.8	-87.1	2.9
110.0	112.0	126.6	102.4	-87.2	2.8
112.0	114.0	126.2	102.0	-87.1	2.9
114.0	116.0	125.8	101.6	-86.9	3.1
116.0	118.0	125.3	101.1	-87.3	2.7
118.0	120.0	124.8	100.6	-87.4	2.6
120.0	122.0	124.3	100.1	-87.4	2.6
122.0	124.0	123.8	99.6	-87.1	2.9
124.0	128.0	123.5	99.3	-86.5	3.5

Seam Interval Summary Table

Picked by: Ron McIntyre, P.Geo.
Data checked by: Melanie Mackay, G.I.T.
Confirmed by: Ron McIntyre, P.Geo.

Hole Number: **QBD-7651**

Seam ID	From (m)	To (m)	Interval Thickness (m)	BCN (°)	True Thickness (m)
D1	48.69	49.72	1.03	28	0.91
CZ	52.57	52.87	0.30	40	0.23
D2	56.57	62.15	5.58	49	3.66
D3	65.49	66.37	0.88	49	0.58
E1	90.54	92.57	2.03	29	1.78
E2	92.87	93.15	0.28	29	0.24
E3	95.14	95.57	0.43	29	0.38
F	114.26	119.45	5.19	43	3.80

Comments: D1: Bottom half stoney coal.
D3: Stoney coal/carb clyst.
E1: High-gamma clyst parting.

Sample Summary Table

Date: Sept. 1976

Analysis by Cyclone Engineering Sales Ltd.*

Core analyses done on raw coal samples.

Hole Number: **QBD-7651**

Sample Number	From (m)	To (m)	Sample Interval (m)	Description (Coal/Rock)	Seam ID	Recovery** (%)	Basis	Ash (%)	V.M (%)	F.C. (%)	R.M. (%)	S (%)	FSI
1651	48.84	50.04	1.20	Coal	D1	100	Air Dry	28.36	26.19	45.04	0.41	0.76	1.5
1652	56.59	62.29	5.70	Coal	D2	91.4	Air Dry	12.82	25.19	61.57	0.42	0.54	5
1653	90.53	93.27	2.74	Coal	E	91.3	Air Dry	26.07	20.83	52.77	0.33	0.37	4
1654	114.25	119.54	5.29	Coal	F	est 80	Air Dry	15.74	23.56	60.36	0.34	0.59	7

Note: *Historical data; not verified by NEMI. Refer to attached Cyclone Engineering files.

**Recoveries calculated from correlation charts data.

DENISON MINES (B.C.) LIMITED

DATA SUMMARY

PROJECT: QCL Roman
 AREA: DRILL HOLE # Q80-7651
 DATE SAMPLED: SEAM: D₁
 DATE ANALYSED: Sept. 24/76 LAB COMPOSITE # 19

COMPOSITE DESCRIPTION
 DRILLED FOOTAGE: 48.84 - 50.04
 DIP:
 TRUE THICKNESS:
 COAL & COKE ROCK RATIO:
 DRILL CORE RECOVERY:

ANALYTICAL DATA

SAMPLE	HEAD	+ 28 MESH FLOAT	- 28 M FROTH PRODUCT	SIMULATED PRODUCT A	SIMULATED PRODUCT B	CALCULATED PRODUCT C
Sp. Gr.	-	1.46	-	-	-	1.60
Ash %	28.36	7.33	11.89	7.35	7.06	6.70
V.M. %	25.19	24.36	24.20	24.41	-	-
R.M. %	0.41	0.40	0.53	0.43	-	-
F.C. %	65.04	68.01	63.45	67.81	-	-
S. %	0.76	0.72	0.81	0.73	-	-
Phosphorus %	-	-	-	-	-	-
F.S.I.	14	34	3	34	34	-
Contribution to Product A %	-	96.71	4.29	-	-	-
Recovery %	-	66.00	12.45	55.72	62.59	72.00

CYCLONE ENGINEERING SALES LTD.
 EDMONTON, ALBERTA, CANADA

DENISON MINES (B.C.) LIMITED

DATA SUMMARY

PROJECT: QCL Roman
 AREA: DRILL HOLE # Q80-7651
 DATE SAMPLED: SEAM: D₂
 DATE ANALYSED: Sept. 24/76 LAB COMPOSITE # 20

COMPOSITE DESCRIPTION
 DRILLED FOOTAGE: 56.69 - 62.29
 DIP:
 TRUE THICKNESS:
 COAL & COKE ROCK RATIO:
 DRILL CORE RECOVERY:

ANALYTICAL DATA

SAMPLE	HEAD	+ 28 MESH FLOAT	- 28 M FROTH PRODUCT	SIMULATED PRODUCT A	SIMULATED PRODUCT B	CALCULATED PRODUCT C
Sp. Gr.	-	1.53	-	-	-	1.60
Ash %	12.82	7.66	5.49	6.92	6.63	7.51
V.M. %	25.19	26.39	26.00	26.18	-	-
R.M. %	0.42	0.46	0.60	0.53	-	-
F.C. %	61.57	66.09	67.91	66.37	-	-
S. %	0.54	0.56	0.60	0.57	-	-
Phosphorus %	-	-	-	-	-	-
F.S.I.	5	54	5	5	5	-
Contribution to Product A %	-	66.02	11.98	-	-	-
Recovery %	-	58.00	44.95	78.94	88.22	91.02

CYCLONE ENGINEERING SALES LTD.
 EDMONTON, ALBERTA, CANADA

DENISON MINES (B.C.) LIMITED

DATA SUMMARY

PROJECT: QCL Roman
 AREA: DRILL HOLE # Q80-7651
 DATE SAMPLED: SEAM: E
 DATE ANALYSED: Sept. 24/76 LAB COMPOSITE # 21

COMPOSITE DESCRIPTION
 DRILLED FOOTAGE: 90.53 - 93.27
 DIP:
 TRUE THICKNESS:
 COAL & COKE ROCK RATIO:
 DRILL CORE RECOVERY:

ANALYTICAL DATA

SAMPLE	HEAD	+ 28 MESH FLOAT	- 28 M FROTH PRODUCT	SIMULATED PRODUCT A	SIMULATED PRODUCT B	CALCULATED PRODUCT C
Sp. Gr.	-	1.53	-	-	-	1.60
Ash %	26.07	7.08	6.81	7.12	7.27	9.12
V.M. %	20.83	24.77	24.93	24.89	-	-
R.M. %	0.33	0.42	0.34	0.39	-	-
F.C. %	52.77	67.73	67.92	67.80	-	-
S. %	0.37	0.62	0.42	0.61	-	-
Phosphorus %	-	-	-	-	-	-
F.S.I.	4	64	7	64	64	-
Contribution to Product A %	-	96.78	74.02	-	-	-
Recovery %	-	65.56	50.53	62.85	68.76	66.79

CYCLONE ENGINEERING SALES LTD.
 EDMONTON, ALBERTA, CANADA

DENISON MINES (B.C.) LIMITED

DATA SUMMARY

PROJECT: QCL Roman
 AREA: DRILL HOLE # Q80-7651
 DATE SAMPLED: SEAM: F
 DATE ANALYSED: Sept. 24/76 LAB COMPOSITE # 22

COMPOSITE DESCRIPTION
 DRILLED FOOTAGE: 114.25 - 119.54
 DIP:
 TRUE THICKNESS:
 COAL & COKE ROCK RATIO:
 DRILL CORE RECOVERY:

ANALYTICAL DATA

SAMPLE	HEAD	+ 28 MESH FLOAT	- 28 M FROTH PRODUCT	SIMULATED PRODUCT A	SIMULATED PRODUCT B	CALCULATED PRODUCT C
Sp. Gr.	-	1.65	-	-	-	1.60
Ash %	15.74	7.14	7.20	7.17	7.15	6.59
V.M. %	23.56	25.18	26.03	25.06	-	-
R.M. %	0.34	0.38	0.40	0.37	-	-
F.C. %	60.36	67.30	66.37	67.40	-	-
S. %	0.59	0.64	0.49	0.61	-	-
Phosphorus %	-	-	-	-	-	-
F.S.I.	7	8	7	8	8	-
Contribution to Product A %	-	89.42	10.58	-	-	-
Recovery %	-	58.00	41.00	76.98	86.19	86.69

CYCLONE ENGINEERING SALES LTD.
 EDMONTON, ALBERTA, CANADA

Drill Hole Summary Sheet

Hole Number: QBD-7653

Hole Type	Core	Survey Instrument / Accuracy	Leica SR530 / 2-5 cm	
Collar Elevation (m)	1718.39	Collar Bearing (°)	Vertical	
Total Depth (m)	91.44	Hole Angle (°)	-90	
Length of Casing (m)	3	Date Drilling Complete	Redrilled July 11/2005	
Hole Diameter	HQ	Date Geophys. Logged	July 13/2005	
Core size	HQ	Date Core Logged	1976	
NAD 83 UTM Coordinates		Mine Grid Coordinates*		
Northing (m)	Easting (m)	Northing (m)	Easting (m)	
6083408.70	630106.58	9291.92	11990.34	

Geophysical Data

Gamma - Density	Gamma - Neutron	Exp. Gamma - Density	Deviation	Dipmeter	Dipmeter Deviation	Other	Logging Tools ID
x	x	x	x	x	x	-	9055, 9139, 9410

Comments:

Drilling Contractor: Derex Drilling Services Ltd.
 Geophysical Contractor: Century Geophysical Corp.

Not previously logged. Installed casing, deepened 4.5m.

*Note: Mine Grid Point of Origin at UTM Zone 10 (NAD 83) 608079.06 N, with Rotation of 24.22° East.
 637701.86 E

Sample Summary Table

Date: Sept. 1976

Analysis by Cyclone Engineering Sales Ltd.*

Core analyses done on raw coal samples

Hole Number: **QBD-7653**

Sample Number	From (m)	To (m)	Sample Interval (m)	Description (Coal/Rock)	Seam ID	Recovery** (%)	Basis	Ash (%)	V.M (%)	F.C. (%)	R.M. (%)	S (%)	FSI
1658	55.75	63.20	7.45	Coal	G	88.4	Air Dry	15.21	21.45	62.94	0.40	0.35	5.5
1660	70.68	74.82	4.14	Coal	J(U)	95.9	-	-	-	-	-	-	-
1659	74.82	81.53	6.71	Coal	J(L)	94.6	-	-	-	-	-	-	-
1659-1660	70.68	81.53	10.85	Coal	J(U)+J(L)	-	Air Dry	8.98	23.33	67.34	0.35	0.30	6

Comments: 1976 "I Seam" has been renamed "G Seam".

Note: *Historical data; not verified by NEMI. Refer to attached Cyclone Engineering files.

**Recoveries calculated from correlation charts data.

DENISON MINES (B.C.) LIMITED

DATA SUMMARY

PROJECT: QCL-Roman	DRILL HOLE # 080-7553	<u>COMPOSITE DESCRIPTION</u>
AREA:		DRILLED FOOTAGE: 55.57 - 53.20
DATE SAMPLED:	SEAM: I	DIP:
DATE ANALYSED: Sept. 29/76.	LAB COMPOSITE # 25	TRUE THICKNESS:
		COAL & COKE ROCK RATIO:
		DRILL CORE RECOVERY:

ANALYTICAL DATA

SAMPLE	HEAD	+ 28 MESH FLOAT	- 28 M FROTH PRODUCT	SIMULATED PRODUCT A	SIMULATED PRODUCT B	CALCULATED PRODUCT C
Sp. Gr.	-	1.47	-	-	-	1.50
Ash %	15.21	7.08	7.14	7.10	6.63	9.87
V.M. %	21.45	22.76	24.03	23.99	-	-
R.M. %	0.40	0.69	0.57	0.60	-	-
F.C. %	62.94	69.47	68.24	68.41	-	-
S. %	0.35	0.31	0.43	0.36	-	-
Phosphorus %	-	-	-	-	-	-
F.S.I.	5y	7	7½	7	7	-
Contribution to Product A %	-	63.03	30.37	-	-	-
Recovery %	-	70.00	55.00	53.59	71.79	84.56

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA

DENISON MINES (B.C.) LIMITED

DATA SUMMARY

PROJECT: QCL-Roman	DRILL HOLE # 080-7553	<u>COMPOSITE DESCRIPTION</u>
AREA:		DRILLED FOOTAGE: 70.68 - 81.53
DATE SAMPLED:	SEAM: Upper & Lower	DIP:
DATE ANALYSED: Sept. 29/76.	LAB COMPOSITE # 20	TRUE THICKNESS:
		COAL & COKE ROCK RATIO:
		DRILL CORE RECOVERY:

ANALYTICAL DATA

SAMPLE	HEAD	+ 28 MESH FLOAT	- 28 M FROTH PRODUCT	SIMULATED PRODUCT A	SIMULATED PRODUCT B	CALCULATED PRODUCT C
Sp. Gr.	-	1.80	-	-	-	1.60
Ash %	8.98	6.80	6.53	6.79	6.57	5.05
V.M. %	23.53	23.78	24.35	23.50	-	-
R.M. %	0.35	0.66	0.55	0.62	-	-
F.C. %	67.34	69.37	68.57	69.09	-	-
S. %	0.30	0.35	0.35	0.35	-	-
Phosphorus %	-	-	-	-	-	-
F.S.I.	6	6	5½	6	6	-
Contribution to Product A %	-	68.28	31.72	-	-	-
Recovery %	-	95.91	100.00	97.17	96.95	91.06

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA

Drill Hole Summary Sheet

Hole Number: QBD-7654

Hole Type	Core	Survey Instrument / Accuracy	Leica SR530 / 2-5 cm
Collar Elevation (m)	1673.80	Collar Bearing (°)	Vertical
Total Depth (m)	76.00	Hole Angle (°)	-90
Length of Casing (m)	3	Date Drilling Complete	Redrilled July 21/2005
Hole Diameter	HQ	Date Geophys. Logged	July 23/2005
Core size	HQ	Date Core Logged	1976
NAD 83 UTM Coordinates		Mine Grid Coordinates*	
Northing (m)	Easting (m)	Northing (m)	Easting (m)
6083536.62	629901.03	9324.27	11750.41

Geophysical Data

Gamma - Density	Gamma - Neutron	Exp. Gamma - Density	Deviation	Dipmeter	Dipmeter Deviation	Other	Logging Tools ID
x	x	x	x	-	-	-	9057, 9034

Comments:

Drilling Contractor: Derex Drilling Services Ltd.
 Geophysical Contractor: Century Geophysical Corp.

*Note: Mine Grid Point of Origin at UTM Zone 10 (NAD 83) 608079.06 N, with Rotation of 24.22° East.
 637701.86 E

DENISON MINES (B.C.) LIMITED

DATA SUMMARY

PROJECT:	QCL-Roman	<u>COMPOSITE DESCRIPTION</u>
AREA:	DRILL HOLE # Q80-7654	DRILLED FOOTAGE: 43.74 - 48.29
DATE SAMPLED:	SEAM: I	DIP:
DATE ANALYSED:	Sept. 29/76. LAB COMPOSITE # 27	TRUE THICKNESS:
		COAL & COKE ROCK RATIO:
		DRILL CORE RECOVERY:

ANALYTICAL DATA

SAMPLE	HEAD	+ 28 MESH FLOAT	- 28 M FROTH PRODUCT	SIMULATED PRODUCT A	SIMULATED PRODUCT B	CALCULATED PRODUCT C
Sp. Gr.	-	1.41	-	-	-	1.60
Ash %	17.73	7.12	7.28	7.15	7.20	11.00
V.M. %	21.94	22.62	24.26	23.66	-	-
R.M. %	0.35	0.65	0.48	0.50	-	-
F.C. %	59.97	59.91	67.96	68.69	-	-
S. %	0.31	0.30	0.34	0.32	-	-
Phosphorus %	-	-	-	-	-	-
F.S.I.	4	5	6	5	6	-
Contribution to Product A %	-	65.50	34.10	-	-	-
Recovery %	-	55.00	29.04	42.15	56.07	78.50

CYCLONE ENGINEERING SALES LTD.

DENISON MINES (B.C.) LIMITED

DATA SUMMARY

PROJECT:	QCL-Roman	<u>COMPOSITE DESCRIPTION</u>
AREA:	DRILL HOLE # Q80-7654	DRILLED FOOTAGE: 51.26 - 56.39
DATE SAMPLED:	SEAM: J	DIP:
DATE ANALYSED:	Sept. 29/75. LAB COMPOSITE # 28	TRUE THICKNESS:
		COAL & COKE ROCK RATIO:
		DRILL CORE RECOVERY:

ANALYTICAL DATA

SAMPLE	HEAD	+ 28 MESH FLOAT	- 28 M FROTH PRODUCT	SIMULATED PRODUCT A	SIMULATED PRODUCT B	CALCULATED PRODUCT C
Sp. Gr.	-	1.52	-	-	-	1.60
Ash %	21.59	7.16	8.40	7.63	7.61	8.60
V.M. %	20.60	21.43	23.07	22.08	-	-
R.M. %	0.38	0.52	0.63	0.58	-	-
F.C. %	57.03	70.09	67.90	69.71	-	-
S. %	0.28	0.35	0.37	0.35	-	-
Phosphorus %	-	-	-	-	-	-
F.S.I.	3	4 $\frac{1}{2}$	4	4 $\frac{1}{2}$	4 $\frac{1}{2}$	-
Contribution to Product A %	-	70.85	29.15	-	-	-
Recovery %	-	56.60	26.79	42.74	56.31	64.00

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA

Drill Hole Summary Sheet

Hole Number: **QBD-7655**

Hole Type	Core	Survey Instrument / Accuracy	Leica SR530 / 2-5 cm
Collar Elevation (m)	1656.35	Collar Bearing (°)	Vertical
Total Depth (m)	58.00	Hole Angle (°)	-90
Length of Casing (m)	3	Date Drilling Complete	Redrilled July 22/2005
Hole Diameter (cm)	HQ	Date Geophys. Logged	July 23/2005
Core size	HQ	Date Core Logged	1976
NAD 83 UTM Coordinates		Mine Grid Coordinates*	
Northing (m)	Easting (m)	Northing (m)	Easting (m)
6083650.13	629832.09	9399.52	11640.98

Geophysical Data

Gamma - Density	Gamma - Neutron	Exp. Gamma - Density	Deviation	Dipmeter	Dipmeter Deviation	Other	Logging Tools ID
x	-	x	-	x	x	-	9057, 9034

Comments:

Drilling Contractor: Derex Drilling Services Ltd.
 Geophysical Contractor: Century Geophysical Corp.

Hole blocked at 38m(125ft), could not clean out to bottom.

Neutron log not run.

*Note: Mine Grid Point of Origin at UTM Zone 10 (NAD 83) 608079.06 N, with Rotation of 24.22° East.
 637701.86 E

Seam Interval Summary Table

Picked by: Ron McIntyre, P.Geo.
Data checked by: Melanie Mackay, G.I.T.
Confirmed by: Ron McIntyre, P.Geo.

Hole Number: **QBD-7655**

Seam ID	From (m)	To (m)	Interval Thickness (m)	BCN (°)	True Thickness (m)
E1	15.29	18.31	3.02	49	1.98
E2	18.99	20.13	1.14	49	0.75
E3	22.35	22.88	0.53	49	0.35
F	47.50	50	2.90	45	2.05

Comments: E1: High-gamma claystone parting.
F: 2005 seam picks from 1976 logs.

DENISON MINES (B.C.) LIMITED

DATA SUMMARY

PROJECT: QCL Roman
AREA: DRILL HOLE # Q30-7655
DATE SAMPLED: SEAM: E Upper, E Lower
DATE ANALYSED: October 4/76. LAB COMPOSITE # 41

COMPOSITE DESCRIPTION
DRILLED FOOTAGE: 16.74 - 20.37
DIP:
TRUE THICKNESS:
COAL & COKE ROCK RATIO:
DRILL CORE RECOVERY:

ANALYTICAL DATA

SAMPLE	HEAD	+ 28 MESH FLOAT	- 28 M FROTH PRODUCT	SIMULATED PRODUCT A	SIMULATED PRODUCT B	CALCULATED PRODUCT C
Sp. Gr.	-	1.50	-	-	-	1.60
Ash %	38.26	7.10	8.52	7.37	7.32	8.32
V.M. %	18.08	24.32	24.93	24.53	-	-
R.M. %	0.82	0.50	0.48	0.47	-	-
F.C. %	42.54	68.08	66.07	67.66	-	-
S. %	0.36	0.50	0.44	0.50	-	-
Phosphorus %	-	-	-	-	-	-
F.S.I.	3	6%	7%	6%	6%	-
Contribution to Product A %	-	89.12	10.88	-	-	-
Recovery %	-	52.30	20.19	44.39	52.10	56.45

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA

DENISON MINES (B.C.) LIMITED

DATA SUMMARY

PROJECT: QCL Roman
AREA: DRILL HOLE # Q80-7655
DATE SAMPLED: SEAM: F
DATE ANALYSED: Oct. 4/76. LAB COMPOSITE # 42

COMPOSITE DESCRIPTION
DRILLED FOOTAGE: 49.07 - 52.63
DIP:
TRUE THICKNESS:
COAL & COKE ROCK RATIO:
DRILL CORE RECOVERY:

ANALYTICAL DATA

SAMPLE	HEAD	+ 28 MESH FLOAT	- 28 M FROTH PRODUCT	SIMULATED PRODUCT A	SIMULATED PRODUCT B	CALCULATED PRODUCT C
Sp. Gr.	-	1.80	-	-	-	1.90
Ash %	19.22	6.36	7.04	6.60	6.60	4.76
V.M. %	20.30	25.69	25.27	25.38	-	-
R.M. %	0.35	0.55	0.43	0.50	-	-
F.C. %	60.14	67.37	67.25	67.52	-	-
S. %	0.48	0.48	0.50	0.48	-	-
Phosphorus %	-	-	-	-	-	-
F.S.I.	7	8	8	8	8	-
Contribution to Product A %	-	89.99	10.01	-	-	-
Recovery %	-	81.35	29.00	68.31	79.50	78.06

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA

Drill Hole Summary Sheet

Hole Number: **QBD-7656**

Hole Type	Core	Survey Instrument / Accuracy	Leica SR530 / 2-5 cm
Collar Elevation (m)	1651.93	Collar Bearing (°)	Vertical
Total Depth (m)	113.00	Hole Angle (°)	-90
Length of Casing (m)	3	Date Drilling Complete	Redrilled Aug 4/2005
Hole Diameter	HQ	Date Geophys. Logged	Oct 1/2005
Core size	HQ	Date Core Logged	1976
NAD 83 UTM Coordinates		Mine Grid Coordinates*	
Northing (m)	Easting (m)	Northing (m)	Easting (m)
6083746.51	629939.76	9531.58	11699.64

Geophysical Data

Gamma - Density	Gamma - Neutron	Exp. Gamma - Density	Deviation	Dipmeter	Dipmeter Deviation	Other	Logging Tools ID
x	x	x	x	x	x	-	9057, 9139, 9410

Comments:

Drilling Contractor: Derex Drilling Services Ltd.
 Geophysical Contractor: Century Geophysical Corp.

*Note: Mine Grid Point of Origin at UTM Zone 10 (NAD 83) 608079.06 N, with Rotation of 24.22° East.
 637701.86 E

Downhole Survey Summary Table

Hole Number: **QBD-7656**

FROM (m)	TO (m)	UTM AZIMUTH (°)	MG AZIMUTH (°)	DIP (°)	SLANT ANGLE (°)
0.0	10.0	138.0	113.8	-90.0	0.0
10.0	12.0	137.8	113.6	-86.1	3.9
12.0	14.0	139.9	115.7	-86.2	3.8
14.0	16.0	141.4	117.2	-86.2	3.8
16.0	18.0	142.5	118.3	-86.3	3.7
18.0	20.0	143.2	119.0	-86.4	3.6
20.0	22.0	144.2	120.0	-86.5	3.5
22.0	24.0	145.1	120.9	-86.7	3.3
24.0	26.0	146.1	121.9	-86.7	3.3
26.0	28.0	147.5	123.3	-86.9	3.1
28.0	30.0	149.1	124.9	-87.0	3
30.0	32.0	150.3	126.1	-87.1	2.9
32.0	34.0	151.4	127.2	-87.2	2.8
34.0	36.0	152.1	127.9	-87.1	2.9
36.0	38.0	152.8	128.6	-87.1	2.9
38.0	40.0	153.4	129.2	-87.1	2.9
40.0	42.0	154	129.8	-87.0	3
42.0	44.0	155.3	131.1	-87.6	2.4
44.0	46.0	156.8	132.6	-87.8	2.2
46.0	48.0	158.2	134.0	-87.8	2.2
48.0	50.0	159.3	135.1	-87.8	2.2
50.0	52.0	160.2	136.0	-87.9	2.1
52.0	54.0	161	136.8	-87.9	2.1
54.0	56.0	161.9	137.7	-87.8	2.2
56.0	58.0	162.6	138.4	-88.0	2
58.0	60.0	163	138.8	-88.0	2
60.0	62.0	163.3	139.1	-87.9	2.1
62.0	64.0	163.7	139.5	-87.8	2.2
64.0	66.0	164	139.8	-87.8	2.2
66.0	68.0	164.2	140.0	-87.8	2.2
68.0	70.0	164.4	140.2	-87.8	2.2
70.0	72.0	164.5	140.3	-87.9	2.1
72.0	74.0	164.7	140.5	-87.9	2.1
74.0	76.0	164.8	140.6	-88.1	1.9
76.0	78.0	164.9	140.7	-88.0	2
78.0	80.0	165	140.8	-88.2	1.8
80.0	82.0	165	140.8	-88.3	1.7
82.0	84.0	165	140.8	-88.3	1.7
84.0	86.0	164.8	140.6	-87.7	2.3
86.0	88.0	164.7	140.5	-88.0	2
88.0	90.0	164.6	140.4	-88.1	1.9
90.0	92.0	164.5	140.3	-88.2	1.8

Downhole Survey Summary Table

Hole Number: **QBD-7656**

FROM (m)	TO (m)	UTM AZIMUTH (°)	MG AZIMUTH (°)	DIP (°)	SLANT ANGLE (°)
92.0	94.0	164.5	140.3	-88.0	2
94.0	96.0	164.6	140.4	-88.1	1.9
96.0	98.0	164.6	140.4	-88.2	1.8
98.0	100.0	164.5	140.3	-88.2	1.8
100.0	102.0	164.5	140.3	-88.2	1.8
102.0	104.0	164.4	140.2	-88.2	1.8
104.0	106.0	164.4	140.2	-88.4	1.6
106.0	108.0	164.4	140.2	-88.5	1.5
108.0	110.0	164.4	140.2	-88.4	1.6
110.0	112.0	164.4	140.2	-88.5	1.5
112.0	113.0	164.4	140.2	-88.2	1.8

Seam Interval Summary Table

Picked by: Ron McIntyre, P.Geo.
Data checked by: Melanie Mackay, G.I.T.
Confirmed by: Ron McIntyre, P.Geo.

Hole Number: **QBD-7656**

Seam ID	From (m)	To (m)	Interval Thickness (m)	BCN (°)	True Thickness (m)
D2	14.11	19.77	5.66	57	3.08
D2 bone	19.77	21.66	1.89	57	1.03
E	73.60	81.55	7.95	74	2.19
Hi-gamma	81.55	82.70	1.15	74	0.32
E	82.70	87.30	4.60	74	1.27
F	104.01	106.85	2.84	62	1.33

Comments: High-gamma, low density zone 81.55 - 82.70 m.
Interpreted as probable fault thickening of the E zone .

DENISON MINES (B.C.) LIMITED

DATA SUMMARY

PROJECT: QCL Roman
 AREA: DRILL HOLE # Q8D-7655
 DATE SAMPLED: SEAM: D Upper and D Lower
 DATE ANALYSED: Nov. 8/75. LAB COMPOSITE # 42

COMPOSITE DESCRIPTION
 DRILLED FOOTAGE: 14.87 - 22.33
 DIP:
 TRUE THICKNESS:
 COAL & COKE ROCK RATIO:
 DRILL CORE RECOVERY:

ANALYTICAL DATA

SAMPLE	HEAD	+ 28 MESH FLOAT	- 28 M FROTH PRODUCT	SIMULATED PRODUCT A	SIMULATED PRODUCT B	CALCULATED PRODUCT C
Sp. Gr.	-	1.48	-	-	-	1.60
Ash %	18.64	7.06	7.12	7.11	5.85	9.20
V.M. %	25.70	26.62	27.00	26.79	-	-
R.M. %	0.42	0.48	0.54	0.50	-	-
F.C. %	59.84	65.82	65.34	65.63	-	-
S. %	0.51	0.39	0.35	0.39	-	-
Phosphorus %	-	-	-	-	-	-
F.S.I.	4	5	6	5	-	-
Contribution to Product A %	-	32.11	17.90	-	-	-
Recovery %	-	73.00	51.06	67.77	71.95	79.59

DENISON MINES (B.C.) LIMITED

DATA SUMMARY

PROJECT: QCL Roman
 AREA: DRILL HOLE # Q3D-7555
 DATE SAMPLED: SEAM: E
 DATE ANALYSED: Oct. 4/76. LAB COMPOSITE # 64

COMPOSITE DESCRIPTION
 DRILLED FOOTAGE: 74.21 - 97.17
 DIP:
 TRUE THICKNESS:
 COAL & COKE ROCK RATIO:
 DRILL CORE RECOVERY:

ANALYTICAL DATA

SAMPLE	HEAD	+ 28 MESH FLOAT	- 28 M FROTH PRODUCT	SIMULATED PRODUCT A	SIMULATED PRODUCT B	CALCULATED PRODUCT C
Sp. Gr.	-	1.47	-	-	-	1.60
Ash %	25.23	7.06	7.14	7.11	6.72	9.55
V.M. %	20.20	25.25	26.20	25.24	-	-
R.M. %	0.37	0.60	0.78	0.63	-	-
F.C. %	54.20	67.07	65.88	67.02	-	-
S. %	0.40	0.49	0.50	0.49	-	-
Phosphorus %	-	-	-	-	-	-
F.S.I.	5%	7%	8	7%	7%	-
Contribution to Product A %	-	72.06	27.94	-	-	-
Recovery %	-	56.00	52.00	54.82	60.72	66.11

CYCLONE ENGINEERING SALES LTD.
 EDMONTON, ALBERTA, CANADA

DENISON MINES (B.C.) LIMITED

DATA SUMMARY

PROJECT: QCL Roman
 AREA: DRILL HOLE # Q8D-7655
 DATE SAMPLED: SEAM: F
 DATE ANALYSED: Oct. 4/76 LAB COMPOSITE # 45

COMPOSITE DESCRIPTION
 DRILLED FOOTAGE: 104.24 - 107.09
 DIP:
 TRUE THICKNESS:
 COAL & COKE ROCK RATIO:
 DRILL CORE RECOVERY:

ANALYTICAL DATA

SAMPLE	HEAD	+ 28 MESH FLOAT	- 28 M FROTH PRODUCT	SIMULATED PRODUCT A	SIMULATED PRODUCT B	CALCULATED PRODUCT C
Sp. Gr.	-	-	-	-	-	1.60
Ash %	7.30	6.95	5.03	6.87	7.11	3.99
V.M. %	24.16	24.73	25.43	24.96	-	-
R.M. %	0.32	0.45	0.43	0.48	-	-
F.C. %	68.22	67.81	69.11	67.69	-	-
S. %	0.45	0.44	0.53	0.46	-	-
Phosphorus %	-	-	-	-	-	-
F.S.I.	7%	7%	7%	7%	7%	-
Contribution to Product A %	-	84.76	15.24	-	-	-
Recovery %	-	100.00	60.71	51.03	58.00	55.31

CYCLONE ENGINEERING SALES LTD.
 EDMONTON, ALBERTA, CANADA

Drill Hole Summary Sheet

Hole Number: **QBD-7657**

Hole Type	Core	Survey Instrument / Accuracy	Leica SR530 / 2-5 cm
Collar Elevation (m)	1652.26	Collar Bearing (°)	Vertical
Total Depth (m)	83.00	Hole Angle (°)	-90
Length of Casing (m)	3	Date Drilling Complete	1976 (Not Redrilled)
Hole Diameter	HQ	Date Geophys. Logged	Aug 4/2005
Core size	HQ	Date Core Logged	1976
NAD 83 UTM Coordinates		Mine Grid Coordinates*	
Northing (m)	Easting (m)	Northing (m)	Easting (m)
6083766.69	630017.96	9582.06	11762.68

Geophysical Data

Gamma - Density	Gamma - Neutron	Exp. Gamma - Density	Deviation	Dipmeter	Dipmeter Deviation	Other	Logging Tools ID
x	x	x	x	x	x	-	9057, 9139, 9410

Comments:

Geophysical Contractor: Century Geophysical Corp.

Temporary 6" sleeve slipped onto broken HQ casing. Hole making water.

*Note: Mine Grid Point of Origin at UTM Zone 10 (NAD 83) 608079.06 N, with Rotation of 24.22° East.
637701.86 E

Seam Interval Summary Table

Picked by: Ron McIntyre, P.Geo.
Data checked by: Melanie Mackay, G.I.T.
Confirmed by: Ron McIntyre, P.Geo.

Hole Number: **QBD-7657**

Seam ID	From (m)	To (m)	Interval Thickness (m)	BCN (°)	True Thickness (m)
CZ ??	4.00	5.08	1.08	48	0.72
G bone	56.87	57.33	0.46	48	0.31
G	57.85	64.43	6.58	48	4.40
I	65.14	66.18	1.04	48	0.70
J	70.17	77.00	6.83	47	4.66

Comments: Cased into CZ seam, no upper contact data.

DENISON MINES (B.C.) LIMITED

DATA SUMMARY

PROJECT: OCL-Roman		<u>COMPOSITE DESCRIPTION</u>
AREA:	DRILL HOLE # Q3D-7657	DRILLED FOOTAGE: 58.52 - 55.90
DATE SAMPLED:	SEAM: E	DIP:
DATE ANALYSED: Oct. 6/76	LAB COMPOSITE # 46	TRUE THICKNESS:
		COAL & COKE ROCK RATIO:
		DRILL CORE RECOVERY:

ANALYTICAL DATA

SAMPLE	HEAD	4 28 MESH FLOAT	- 28 M FROTH PRODUCT	SIMULATED PRODUCT A	SIMULATED PRODUCT B	CALCULATED PRODUCT C
Sp. Gr.	-	1.46	-	-	-	1.60
Ash %	13.66	7.21	7.05	7.18	6.67	8.60
V.M. %	20.91	21.20	23.63	22.00	-	-
R.M. %	0.29	0.66	0.81	0.67	-	-
F.C. %	65.14	70.93	68.45	70.15	-	-
S. %	0.32	0.39	0.42	0.35	-	-
Phosphorus %	-	-	-	-	-	-
F.S.I.	5	7	7½	7	7	-
Contribution to Product A %	-	81.04	18.96	-	-	-
Recovery %	-	74.00	53.50	65.23	72.90	87.00

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA

DENISON MINES (B.C.) LIMITED

DATA SUMMARY

PROJECT: OCL Roman		<u>COMPOSITE DESCRIPTION</u>
AREA:	DRILL HOLE # QBD-7657	DRILLED FOOTAGE: 70.48 - 77.18
DATE SAMPLED:	SEAM: J	DIP:
DATE ANALYSED: Oct. 15/76	LAB COMPOSITE # 61	TRUE THICKNESS:
		COAL & COKE ROCK RATIO:
		DRILL CORE RECOVERY:

ANALYTICAL DATA

SAMPLE	HEAD	4 28 MESH FLOAT	- 28 M FROTH PRODUCT	SIMULATED PRODUCT A	SIMULATED PRODUCT B	CALCULATED PRODUCT C
Sp. Gr.	-	1.54	-	-	-	1.60
Ash %	14.47	7.12	7.10	7.10	5.82	7.76
V.M. %	19.83	21.40	22.16	21.67	-	-
R.M. %	0.64	0.47	0.46	0.48	-	-
F.C. %	65.06	71.01	70.28	70.75	-	-
S. %	0.31	0.26	0.49	0.30	-	-
Phosphorus %	-	-	-	-	-	-
F.S.I.	2½	3	2	3	3	-
Contribution to Product A %	-	86.77	13.23	-	-	-
Recovery %	-	77.00	26.66	61.54	73.70	80.10

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA

Drill Hole Summary Sheet

Hole Number: QBD-7658

Hole Type	Core	Survey Instrument / Accuracy	Leica SR530 / 2-5 cm	
Collar Elevation (m)	1592.41	Collar Bearing (°)	270	
Total Depth (m)	195.1	Hole Angle (°)	-70	
Length of Casing (m)	3	Date Drilling Complete	Redrilled Aug 20/2005	
Hole Diameter	HQ	Date Geophys. Logged	Aug 25/2005	
Core size	HQ	Date Core Logged	1976	
NAD 83 UTM Coordinates		Mine Grid Coordinates*		
Northing (m)	Easting (m)	Northing (m)	Easting (m)	
6083882.64	629679.33	9548.91	11406.29	

Geophysical Data

Gamma - Density	Gamma - Neutron	Exp. Gamma - Density	Deviation	Dipmeter	Dipmeter Deviation	Other	Logging Tools ID
x	x	x	x	-	-	-	9057, 9033

Comments:

Drilling Contractor: Derex Drilling Services Ltd.
Geophysical Contractor: Century Geophysical Corp.

Deepened 23m through K seams -

K1: 182.0-184.1 m (597-604')
K2: 185.0-186.2 m (607-611')
K3: 190.2-191.4 m (624-628')

*Note: Mine Grid Point of Origin at UTM Zone 10 (NAD 83) 608079.06 N, with Rotation of 24.22° East.
637701.86 E

Downhole Survey Summary Table

Hole Number: **QBD-7658**

FROM (m)	TO (m)	UTM AZIMUTH (°)	MG AZIMUTH (°)	DIP (°)	SLANT ANGLE (°)
0.0	50.0	270.0	245.8	-70.0	20.0
50.0	52.0	269.5	245.3	-70.0	20.0
52.0	54.0	269.0	244.8	-70.1	19.9
54.0	56.0	268.6	244.4	-70.1	19.9
56.0	58.0	268.2	244.0	-70.1	19.9
58.0	60.0	267.7	243.5	-70.1	19.9
60.0	62.0	267.3	243.1	-70.1	19.9
62.0	64.0	267.0	242.8	-70.2	19.8
64.0	66.0	266.7	242.5	-70.3	19.7
66.0	68.0	266.3	242.1	-70.2	19.8
68.0	70.0	266.1	241.9	-70.2	19.8
70.0	72.0	265.8	241.6	-70.2	19.8
72.0	74.0	265.5	241.3	-70.3	19.7
74.0	76.0	265.3	241.1	-70.5	19.5
76.0	78.0	265.0	240.8	-70.4	19.6
78.0	80.0	264.8	240.6	-70.4	19.6
80.0	82.0	264.7	240.5	-70.4	19.6
82.0	84.0	264.4	240.2	-70.4	19.6
84.0	86.0	264.1	239.9	-70.3	19.7
86.0	88.0	263.9	239.7	-70.4	19.6
88.0	90.0	263.8	239.6	-70.4	19.6
90.0	92.0	263.6	239.4	-70.3	19.7
92.0	94.0	263.4	239.2	-70.4	19.6
94.0	96.0	263.2	239.0	-70.3	19.7
96.0	98.0	263.1	238.9	-70.5	19.5
98.0	100.0	263.0	238.8	-70.5	19.5
100.0	102.0	262.8	238.6	-70.4	19.6
102.0	104.0	262.6	238.4	-70.3	19.7
104.0	106.0	262.4	238.2	-70.3	19.7
106.0	108.0	262.2	238.0	-70.3	19.7
108.0	110.0	262.1	237.9	-70.3	19.7
110.0	112.0	261.9	237.7	-70.2	19.8
112.0	114.0	261.8	237.6	-70.3	19.7
114.0	116.0	261.6	237.4	-70.1	19.9
116.0	118.0	261.5	237.3	-70.1	19.9
118.0	120.0	261.3	237.1	-70.1	19.9
120.0	122.0	261.1	236.9	-70.1	19.9
122.0	124.0	261.0	236.8	-69.9	20.1
124.0	126.0	260.8	236.6	-69.9	20.1
126.0	128.0	260.6	236.4	-69.8	20.2
128.0	130.0	260.5	236.3	-69.9	20.1

Indicates suspect azimuth data.

Downhole Survey Summary Table

Hole Number: **QBD-7658**

FROM (m)	TO (m)	UTM AZIMUTH (°)	MG AZIMUTH (°)	DIP (°)	SLANT ANGLE (°)
130.0	132.0	260.3	236.1	-69.9	20.1
132.0	134.0	260.2	236.0	-69.7	20.3
134.0	136.0	260.1	235.9	-69.8	20.2
136.0	138.0	260.0	235.8	-69.7	20.3
138.0	140.0	259.8	235.6	-69.8	20.2
140.0	142.0	259.7	235.5	-69.7	20.3
142.0	144.0	259.6	235.4	-69.6	20.4
144.0	146.0	259.5	235.3	-69.7	20.3
146.0	148.0	259.4	235.2	-69.7	20.3
148.0	150.0	259.3	235.1	-69.7	20.3
150.0	152.0	259.1	234.9	-69.6	20.4
152.0	154.0	258.9	234.7	-69.6	20.4
154.0	156.0	258.8	234.6	-69.6	20.4
156.0	158.0	258.7	234.5	-69.7	20.3
158.0	160.0	258.6	234.4	-69.8	20.2
160.0	162.0	258.5	234.3	-70.0	20.0
162.0	164.0	258.4	234.2	-69.9	20.1
164.0	166.0	258.1	233.9	-69.8	20.2
166.0	168.0	257.9	233.7	-69.6	20.4
168.0	170.0	257.8	233.6	-69.6	20.4
170.0	172.0	257.6	233.4	-69.5	20.5
172.0	174.0	257.3	233.1	-69.7	20.3
174.0	176.0	257.3	233.1	-69.5	20.5
176.0	178.0	257.2	233.0	-69.0	21.0
178.0	180.0	257.1	232.9	-68.4	21.6
180.0	182.0	256.7	232.5	-67.7	22.3
182.0	184.0	256.2	232.0	-66.6	23.4
184.0	186.0	255.8	231.6	-66.1	23.9
186.0	188.0	255.5	231.3	-65.7	24.3
188.0	190.0	255.2	231.0	-66.0	24.0
190.0	195.1	254.7	230.5	-64.9	25.1

Seam Interval Summary Table

Picked by: Ron McIntyre, P.Geo.
Data checked by: Melanie Mackay, G.I.T.
Confirmed by: Ron McIntyre, P.Geo.

Hole Number: **QBD-7658**

Seam ID	From (m)	To (m)	Interval Thickness (m)	BCN (°)	True Thickness (m)
CZ	19.64	19.88	0.24	40	0.18
E1	20.91	25.17	4.26	40	3.26
E2	26.13	27.12	0.99	50	0.64
E3	28.94	29.45	0.51	50	0.33
F	75.07	76.69	1.62	65	0.68
CZ	88.93	89.19	0.26	65	0.11
G	150.49	154.44	3.95	42	2.94
I	155.06	156.18	1.12	43	0.82
J	158.85	166.28	7.43	44	5.34
K1	181.94	183.12	1.18	41	0.89
K2	184.57	185.70	1.13	40	0.87
K3	189.85	190.60	0.75	39	0.58

Comments: K3: Estimated from neutron log and driller report.

DENISON MINES (B.C.) LIMITED

DATA SUMMARY

PROJECT: QCL-Roman
 AREA: DRILL HOLE # Q80-7656
 DATE SAMPLED: SEAM: F Upper & Lower
 DATE ANALYSED: Oct. 6/76 LAB COMPOSITE # 51

COMPOSITE DESCRIPTION
 DRILLED FOOTAGE: 21.30 - 27.38
 DIP:
 TRUE THICKNESS:
 COAL & COKE ROCK RATIO:
 DRILL CORE RECOVERY:

ANALYTICAL DATA

SAMPLE	HEAD	+ 28 MESH FLOAT	- 28 M FROTH PRODUCT	SIMULATED PRODUCT A	SIMULATED PRODUCT B	CALCULATED PRODUCT C
Sp. Gr.	-	1.59	-	-	-	1.60
Ash %	39.45	7.30	7.08	7.24	6.78	7.31
V.M. %	18.13	22.94	24.98	23.65	-	-
R.M. %	0.42	0.72	0.82	0.77	-	-
F.C. %	42.00	69.04	67.12	68.34	-	-
S. %	0.23	0.49	0.47	0.49	-	-
Phosphorus %	-	-	-	-	-	-
F.S.I.	3	7	6½	7	7	-
Contribution to Product A %	-	88.70	11.20	-	-	-
Recovery %	-	47.50	15.82	47.03	49.14	47.88

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA

DENISON MINES (B.C.) LIMITED

DATA SUMMARY

PROJECT: QCL-Roman
 AREA: DRILL HOLE # Q80-7658
 DATE SAMPLED: SEAM: F
 DATE ANALYSED: Oct. 8/76 LAB COMPOSITE # 52

COMPOSITE DESCRIPTION
 DRILLED FOOTAGE: 75.29 - 76.66
 DIP:
 TRUE THICKNESS:
 COAL & COKE ROCK RATIO:
 DRILL CORE RECOVERY:

ANALYTICAL DATA

SAMPLE	HEAD	+ 28 MESH FLOAT	- 28 M FROTH PRODUCT	SIMULATED PRODUCT A	SIMULATED PRODUCT B	CALCULATED PRODUCT C
Sp. Gr.	-	-	-	-	-	-
Ash %	3.57	3.20	3.88	3.57	3.67	Not
V.M. %	23.92	23.46	23.80	23.52	-	Available
R.M. %	0.26	0.52	0.62	0.26	-	-
F.C. %	72.65	72.82	71.70	72.68	-	-
S. %	0.39	0.33	0.40	0.39	-	-
Phosphorus %	-	-	-	-	-	-
F.S.I.	8½	8½	6½	8½	8½	-
Contribution to Product A %	-	80.48	19.52	-	-	-
Recovery %	-	100.00	100.00	100.00	100.00	-

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA

DENISON MINES (B.C.) LIMITED

DATA SUMMARY

PROJECT: QCL-Roman
 AREA: DRILL HOLE # Q80-7658
 DATE SAMPLED: SEAM: I
 DATE ANALYSED: Oct. 14/76 LAB COMPOSITE # 47

COMPOSITE DESCRIPTION
 DRILLED FOOTAGE: 150.75 - 154.53
 DIP:
 TRUE THICKNESS:
 COAL & COKE ROCK RATIO:
 DRILL CORE RECOVERY:

ANALYTICAL DATA

SAMPLE	HEAD	+ 28 MESH FLOAT	- 28 M FROTH PRODUCT	SIMULATED PRODUCT A	SIMULATED PRODUCT B	CALCULATED PRODUCT C
Sp. Gr.	-	1.47	-	-	-	1.60
Ash %	19.06	7.09	8.99	7.23	7.01	9.30
V.M. %	23.24	22.40	23.22	22.44	-	-
R.M. %	0.31	0.53	0.47	0.52	-	-
F.C. %	59.99	69.98	68.24	69.81	-	-
S. %	0.37	0.52	0.45	0.51	-	-
Phosphorus %	-	-	-	-	-	-
F.S.I.	4	6½	6	6½	6½	-
Contribution to Product A %	-	39.99	19.92	-	-	-
Recovery %	-	65.00	20.72	53.53	64.24	78.40

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA

DENISON MINES (S.C.) LIMITED

DATA SUMMARY

PROJECT: QCL-Roman
 AREA: DRILL HOLE # Q80-7658
 DATE SAMPLED: SEAM: J
 DATE ANALYSED: Oct. 6/76 LAB COMPOSITE # 48

COMPOSITE DESCRIPTION
 DRILLED FOOTAGE: 158.95 - 166.36
 DIP:
 TRUE THICKNESS:
 COAL & COKE ROCK RATIO:
 DRILL CORE RECOVERY:

ANALYTICAL DATA

SAMPLE	HEAD	+ 28 MESH FLOAT	- 28 M FROTH PRODUCT	SIMULATED PRODUCT A	SIMULATED PRODUCT B	CALCULATED PRODUCT C
Sp. Gr.	-	1.57	-	-	-	1.60
Ash %	12.28	7.21	7.04	7.18	6.60	7.43
V.M. %	20.61	21.37	23.12	22.00	-	-
R.M. %	0.33	0.63	0.72	0.66	-	-
F.C. %	66.78	70.75	69.12	70.76	-	-
S. %	0.28	0.26	0.41	0.30	-	-
Phosphorus %	-	-	-	-	-	-
F.S.I.	5	9½	7	6	6	-
Contribution to Product A %	-	71.17	28.83	-	-	-
Recovery %	-	84.00	55.05	75.80	81.48	86.05

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA

Drill Hole Summary Sheet

Hole Number: QBD-7659

Hole Type	Core	Survey Instrument / Accuracy	Leica SR530 / 2-5 cm	
Collar Elevation (m)	1594.60	Collar Bearing (°)	40	
Total Depth (m)	173.70	Hole Angle (°)	-65	
Length of Casing (m)	3	Date Drilled	Redrilled Sept 23/2005	
Hole Diameter	HQ	Date Geophys. Logged	Sept 24/2005	
Core size	HQ	Date Core Logged	1976	
NAD 83 UTM Coordinates		Mine Grid Coordinates*		
Northing (m)	Easting (m)	Northing (m)	Easting (m)	
6083967.36	629759.66	9659.12	11444.80	

Geophysical Data

Gamma - Density	Gamma - Neutron	Exp. Gamma - Density	Deviation	Dipmeter	Dipmeter Deviation	Other	Logging Tools ID
x	x	x	x	x	x	-	9055, 9139, 9410

Comments:

Drilling Contractor: Derex Drilling Services Ltd.
 Geophysical Contractor: Century Geophysical Corp.

Deepened 93m through K seams and Moosebar contact.

*Note: Mine Grid Point of Origin at UTM Zone 10 (NAD 83) 608079.06 N, with Rotation of 24.22° East.
 637701.86 E

Downhole Survey Summary Table

Hole Number: **QBD-7659**

FROM (m)	TO (m)	UTM AZIMUTH (°)	MG AZIMUTH (°)	DIP (°)	SLANT ANGLE (°)
0.0	20.0	44.0	19.8	-70.0	20.0
20.0	22.0	44.1	19.9	-66.9	23.1
22.0	24.0	44.5	20.3	-66.8	23.2
24.0	26.0	44.9	20.7	-66.9	23.1
26.0	28.0	45.2	21.0	-66.8	23.2
28.0	30.0	45.5	21.3	-66.8	23.2
30.0	32.0	45.7	21.5	-66.7	23.3
32.0	34.0	45.9	21.7	-66.6	23.4
34.0	36.0	46.0	21.8	-66.5	23.5
36.0	38.0	46.2	22.0	-66.4	23.6
38.0	40.0	46.3	22.1	-66.4	23.6
40.0	42.0	46.4	22.2	-66.4	23.6
42.0	44.0	46.5	22.3	-66.2	23.8
44.0	46.0	46.6	22.4	-64.8	25.2
46.0	48.0	46.5	22.3	-63.4	26.6
48.0	50.0	46.5	22.3	-62.8	27.2
50.0	52.0	46.4	22.2	-61.2	28.8
52.0	54.0	46.3	22.1	-60.9	29.1
54.0	56.0	46.1	21.9	-60.0	30.0
56.0	58.0	45.9	21.7	-59.8	30.2
58.0	60.0	45.7	21.5	-58.9	31.1
60.0	62.0	45.6	21.4	-59.6	30.4
62.0	64.0	45.3	21.1	-57.0	33.0
64.0	66.0	45.0	20.8	-55.9	34.1
66.0	68.0	44.7	20.5	-55.1	34.9
68.0	70.0	44.5	20.3	-54.2	35.8
70.0	72.0	44.2	20.0	-53.0	37.0
72.0	74.0	44.0	19.8	-52.4	37.6
74.0	76.0	43.6	19.4	-51.9	38.1
76.0	78.0	43.4	19.2	-51.5	38.5
78.0	80.0	43.1	18.9	-51.7	38.3
80.0	82.0	42.9	18.7	-50.6	39.4
82.0	84.0	42.7	18.5	-50.5	39.5
84.0	86.0	42.4	18.2	-49.7	40.3
86.0	88.0	42.2	18.0	-49.3	40.7
88.0	90.0	42.0	17.8	-48.5	41.5
90.0	92.0	41.8	17.6	-48.7	41.3
92.0	94.0	41.6	17.4	-48.1	41.9
94.0	96.0	41.4	17.2	-47.9	42.1
96.0	98.0	41.2	17.0	-48.7	41.3
98.0	100.0	40.8	16.6	-46.2	43.8
100.0	102.0	40.7	16.5	-45.1	44.9

Downhole Survey Summary Table

Hole Number: **QBD-7659**

FROM (m)	TO (m)	UTM AZIMUTH (°)	MG AZIMUTH (°)	DIP (°)	SLANT ANGLE (°)
102.0	104.0	40.4	16.2	-44.6	45.4
104.0	106.0	40.2	16.0	-59.8	30.2
106.0	108.0	40.1	15.9	-43.5	46.5
108.0	110.0	39.9	15.7	-43.4	46.6
110.0	112.0	39.7	15.5	-42.5	47.5
112.0	114.0	39.5	15.3	-42.2	47.8
114.0	116.0	39.4	15.2	-41.7	48.3
116.0	118.0	39.2	15.0	-41.8	48.2
118.0	120.0	39.1	14.9	-41.5	48.5
120.0	122.0	39.0	14.8	-41.3	48.7
122.0	124.0	38.8	14.6	-40.8	49.2
124.0	126.0	38.7	14.5	-40.3	49.7
126.0	128.0	38.6	14.4	-39.2	50.8
128.0	130.0	38.4	14.2	-37.5	52.5
130.0	132.0	38.3	14.1	-37.2	52.8
132.0	134.0	38.1	13.9	-36.5	53.5
134.0	137.16	38.0	13.8	-36.2	53.8

Seam Interval Summary Table

Picked by: Ron McIntyre, P.Geo.
Data checked by: Melanie Mackay, G.I.T.
Confirmed by: Ron McIntyre, P.Geo.

Hole Number: **QBD-7659**

Seam ID	From (m)	To (m)	Interval Thickness (m)	BCN (°)	True Thickness (m)
G bone parting	12.66	13.05	0.39	32	0.33
	13.05	13.24	0.19	32	0.16
G	13.24	16.54	3.30	34	2.74
I	No I seam present.				
J	17.59	23.65	6.06	34	5.02
K1	43.11	44.35	1.24	36	1.00
K2	46.02	46.86	0.84	35	0.69
K3	51.36	51.86	0.50	32	0.42
L	95.97	96.38	0.41	33	0.34

DENISON MINES (B.C.) LIMITED

DATA SUMMARY

PROJECT: QCL-Roman
 AREA: DRILL HOLE # QBD-7609
 DATE SAMPLED: SEAM: 1
 DATE ANALYSED: Oct. 6/76 LAB COMPOSITE # 49

COMPOSITE DESCRIPTION
 DRILLED FOOTAGE: 13.30 - 17.17
 DIP:
 TRUE THICKNESS:
 COAL & COKE ROCK RATIO:
 DRILL CORE RECOVERY:

ANALYTICAL DATA

SAMPLE	HEAD	+ 20 MESH FLOAT	- 28 M FROTH PRODUCT	SIMULATED PRODUCT A	SIMULATED PRODUCT B	CALCULATED PRODUCT C
Sp. Gr.	-	1.45	-	-	-	1.60
Ash %	14.35	7.07	7.60	7.31	6.76	8.30
V.M. %	21.23	21.63	22.61	21.78	-	-
R.M. %	0.29	0.55	0.60	0.50	-	-
F.C. %	64.13	70.75	69.19	70.31	-	-
S. %	0.3d	0.41	0.40	0.41	-	-
Phosphorus %	-	-	-	-	-	-
F.S.I.	5	7½	7½	7½	7½	-
Contribution to Product A %	-	88.43	11.57	-	-	-
Recovery %	-	76.49	27.49	63.42	73.89	89.00

DENISON MINES (B.C.) LIMITED

DATA SUMMARY

PROJECT: QCL-Roman
 AREA: DRILL HOLE # QBD-7609
 DATE SAMPLED: SEAM: J
 DATE ANALYSED: Oct. 14/76 LAB COMPOSITE # 57

COMPOSITE DESCRIPTION
 DRILLED FOOTAGE: 18.16 - 24.12
 DIP:
 TRUE THICKNESS:
 COAL & COKE ROCK RATIO:
 DRILL CORE RECOVERY:

ANALYTICAL DATA

SAMPLE	HEAD	+ 20 MESH FLOAT	- 28 M FROTH PRODUCT	SIMULATED PRODUCT A	SIMULATED PRODUCT B	CALCULATED PRODUCT C
Sp. Gr.	-	1.57	-	-	-	1.60
Ash %	14.43	7.06	7.08	7.06	6.90	7.34
V.M. %	20.89	21.34	22.64	21.87	-	-
R.M. %	0.38	0.54	0.44	0.50	-	-
F.C. %	64.30	71.06	69.04	70.57	-	-
S. %	0.42	0.42	0.34	0.41	-	-
Phosphorus %	-	-	-	-	-	-
F.S.I.	6	6½	7	6½	6½	-
Contribution to Product A %	-	86.72	13.28	-	-	-
Recovery %	-	80.50	38.00	70.09	79.81	82.03

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA

DENISON MINES (B.C.) LIMITED

DATA SUMMARY

PROJECT: QCL-Roman
 AREA: DRILL HOLE # QBD-7609
 DATE SAMPLED: SEAM: 1
 DATE ANALYSED: Oct. 6/76 LAB COMPOSITE # 49

COMPOSITE DESCRIPTION
 DRILLED FOOTAGE: 13.30 - 17.17
 DIP:
 TRUE THICKNESS:
 COAL & COKE ROCK RATIO:
 DRILL CORE RECOVERY:

ANALYTICAL DATA

SAMPLE	HEAD	+ 20 MESH FLOAT	- 28 M FROTH PRODUCT	SIMULATED PRODUCT A	SIMULATED PRODUCT B	CALCULATED PRODUCT C
Sp. Gr.	-	1.45	-	-	-	1.60
Ash %	14.35	7.07	7.60	7.31	6.76	8.30
V.M. %	21.23	21.63	22.61	21.78	-	-
R.M. %	0.29	0.55	0.60	0.50	-	-
F.C. %	64.13	70.75	69.19	70.31	-	-
S. %	0.3d	0.41	0.40	0.41	-	-
Phosphorus %	-	-	-	-	-	-
F.S.I.	5	7½	7½	7½	7½	-
Contribution to Product A %	-	88.43	11.57	-	-	-
Recovery %	-	76.49	27.49	63.42	73.89	89.00

CYCLONE ENGINEERING SALES LTD.
EDMONTON, ALBERTA, CANADA

Drill Hole Summary Sheet

Hole Number: **QBR-7587**

Hole Type	Rotary	Survey Instrument / Accuracy	Leica SR530 / 2-5 cm	
Collar Elevation (m)	1760.57	Collar Bearing (°)	Vertical	
Total Depth (m)	36.58	Hole Angle (°)	-90	
Length of Casing (m)	3.04	Date Drilling Complete	Redrilled July 12/2005	
Hole Diameter (cm)	13.02 (5 ^{1/8"})	Date Geophys. Logged	July 13/2005	
Core size	N/A	Date Core Logged	N/A	
NAD 83 UTM Coordinates		Mine Grid Coordinates*		
Northing (m)	Easting (m)	Northing (m)	Easting (m)	
6083247.08	630250.29	9203.47	12187.70	

Geophysical Data

Gamma - Density	Gamma - Neutron	Exp. Gamma - Density	Deviation	Dipmeter	Dipmeter Deviation	Other	Logging Tools ID
x	x	x	x	-	-	-	9055, 9139

Comments:

Drilling Contractor: Derex Drilling Services Ltd.
 Geophysical Contractor: Century Geophysical Corp.

Installed casing, redrilled. Relogged for tool calibration purposes July 19/05, Aug 19/05,

*Note: Mine Grid Point of Origin at UTM Zone 10 (NAD 83) 608079.06 N, with Rotation of 24.22° East.
 637701.86 E

Drill Hole Summary Sheet

Hole Number: **QBR-7588**

Hole Type	Rotary	Survey Instrument / Accuracy	Leica SR530 / 2-5 cm
Collar Elevation (m)	1760.57	Collar Bearing (°)	Vertical
Total Depth (m)	29.87	Hole Angle (°)	-90
Length of Casing (m)	6	Date Drilling Complete	1975 (Not Redrilled)
Hole Diameter (cm)	13.02 (5 ^{1/8"})	Date Geophys. Logged	July 13/2005
Core size	N/A	Date Core Logged	N/A
NAD 83 UTM Coordinates		Mine Grid Coordinates*	
Northing (m)	Easting (m)	Northing (m)	Easting (m)
6083238.41	630253.51	9196.88	12194.19

Geophysical Data

Gamma - Density	Gamma - Neutron	Exp. Gamma - Density	Deviation	Dipmeter	Dipmeter Deviation	Other	Logging Tools ID
x	x	x	x	x	x	-	9055, 9139, 9410

Comments:

Geophysical Contractor: Century Geophysical Corp.

Casing intact, hole open to bottom.

*Note: Mine Grid Point of Origin at UTM Zone 10 (NAD 83) 608079.06 N, with Rotation of 24.22° East.
637701.86 E

Drill Hole Summary Sheet

Hole Number: QBR-7590

Hole Type	Rotary	Survey Instrument / Accuracy	Leica SR530 / 2-5 cm
Collar Elevation (m)	1744.86	Collar Bearing (°)	Vertical
Total Depth (m)	43.28	Hole Angle (°)	-90
Length of Casing (m)	3	Date Drilling Complete	Redrilled July 15/2005
Hole Diameter (cm)	13.02 (5 ^{1/8"})	Date Geophys. Logged	July 19/2005
Core size	N/A	Date Core Logged	N/A
NAD 83 UTM Coordinates		Mine Grid Coordinates*	
Northing (m)	Easting (m)	Northing (m)	Easting (m)
6083408.12	630598.64	9493.23	12439.34

Geophysical Data

Gamma - Density	Gamma - Neutron	Exp. Gamma - Density	Deviation	Dipmeter	Dipmeter Deviation	Other	Logging Tools ID
x	-	x	x	-	-	-	9057, 9034

Comments:

Drilling Contractor: Derex Drilling Services Ltd.
 Geophysical Contractor: Century Geophysical Corp.

Deepened 2.3m, then casing blew out.

Neutron tool U/S.

*Note: Mine Grid Point of Origin at UTM Zone 10 (NAD 83) 608079.06 N, with Rotation of 24.22° East.
 637701.86 E

Seam Interval Summary Table

Picked by: Ron McIntyre, P.Geo.
Data checked by: Melanie Mackay, G.I.T.
Confirmed by: Ron McIntyre, P.Geo.

Hole Number: **QBR-7590**

Seam ID	From (m)	To (m)	Interval Thickness (m)	BCN (°)	True Thickness (m)
I	2.70	3.36	N/A	50	N/A
J	4.05	9.75	5.70	50	3.66
K1	28.23	29.69	1.46	50	0.94
K2	31.85	33.22	1.37	50	0.88
CZ	36.23	36.47	0.24	50	0.15
K3	40.09	40.40	0.31	50	0.20

Comments: I: Cased into I seam, no upper contact data, width estimated from 7587
K3: Carb claystone zone

Drill Hole Summary Sheet

Hole Number: **QBR-7591**

Hole Type	Rotary	Survey Instrument / Accuracy	Leica SR530 / 2-5 cm
Collar Elevation (m)	1754.27	Collar Bearing (°)	Vertical
Total Depth (m)	29.87	Hole Angle (°)	-90
Length of Casing (m)	3	Date Drilling Complete	Redrilled July 15/2005
Hole Diameter (cm)	13.02 (5 ^{1/8"})	Date Geophys. Logged	July 19/2005
Core size	N/A	Date Core Logged	N/A
NAD 83 UTM Coordinates		Mine Grid Coordinates*	
Northing (m)	Easting (m)	Northing (m)	Easting (m)
6083365.95	630545.13	9432.82	12407.84

Geophysical Data

Gamma - Density	Gamma - Neutron	Exp. Gamma - Density	Deviation	Dipmeter	Dipmeter Deviation	Other	Logging Tools ID
x	-	x	x	-	-	-	9057, 9034

Comments:

Drilling Contractor: Derex Drilling Services Ltd.
 Geophysical Contractor: Century Geophysical Corp.

Neutron tool U/S.

*Note: Mine Grid Point of Origin at UTM Zone 10 (NAD 83) 608079.06 N, with Rotation of 24.22° East.
 637701.86 E

Drill Hole Summary Sheet

Hole Number: **QBR-7593**

Hole Type	Rotary	Survey Instrument / Accuracy	Leica SR530 / 2-5 cm	
Collar Elevation (m)	1766.30	Collar Bearing (°)	Vertical	
Total Depth (m)	55.16	Hole Angle (°)	-90	
Length of Casing (m)	3	Date Drilling Complete	Redrilled July 19/2005	
Hole Diameter (cm)	13.02 (5 ^{1/8"})	Date Geophys. Logged	Aug 4/2005	
Core size	N/A	Date Core Logged	N/A	
NAD 83 UTM Coordinates		Mine Grid Coordinates*		
Northing (m)	Easting (m)	Northing (m)	Easting (m)	
6083329.99	630548.35	9401.34	12425.52	

Geophysical Data

Gamma - Density	Gamma - Neutron	Exp. Gamma - Density	Deviation	Dipmeter	Dipmeter Deviation	Other	Logging Tools ID
x	x	x	x	-	-	-	9055, 9139

Comments:

Drilling Contractor: Derex Drilling Services Ltd.
 Geophysical Contractor: Century Geophysical Corp.

*Note: Mine Grid Point of Origin at UTM Zone 10 (NAD 83) 608079.06 N, with Rotation of 24.22° East.
 637701.86 E

Drill Hole Summary Sheet

Hole Number: **QBR-7594**

Hole Type	Rotary	Survey Instrument / Accuracy	Leica SR530 / 2-5 cm
Collar Elevation (m)	1679.27	Collar Bearing (°)	Vertical
Total Depth (m)	173.70	Hole Angle (°)	-90
Length of Casing (m)	3.04	Date Drilling Complete	Aug 7/2005
Hole Diameter (cm)	13.02 (5 ^{1/8} "	Date Geophys. Logged	Aug 7/2005
Core size	N/A	Date Core Logged	N/A
NAD 83 UTM Coordinates		Mine Grid Coordinates*	
Northing (m)	Easting (m)	Northing (m)	Easting (m)
6083601.71	629931.40	9396.09	11751.41

Geophysical Data

Gamma - Density	Gamma - Neutron	Exp. Gamma - Density	Deviation	Dipmeter	Dipmeter Deviation	Other	Logging Tools ID
x	x	x	x	x	x	-	9057, 9034, 9410

Comments:

Drilling Contractor: Derex Drilling Services Ltd.
 Geophysical Contractor: Century Geophysical Corp.

Deepened 6.7m, past lower coal zone.

*Note: Mine Grid Point of Origin at UTM Zone 10 (NAD 83) 608079.06 N, with Rotation of 24.22° East.
 637701.86 E

Downhole Survey Summary Table

Hole Number: **QBR-7594**

FROM (m)	TO (m)	UTM AZIMUTH (°)	MG AZIMUTH (°)	DIP (°)	SLANT ANGLE (°)
0.0	24.0	180.0	155.8	-90.0	0.0
24.0	26.0	177.7	153.5	-89.1	0.9
26.0	28.0	178.3	154.1	-88.9	1.1
28.0	30.0	173.8	149.6	-89.0	1.0
30.0	32.0	181.9	157.7	-89.0	1.0
32.0	34.0	176.8	152.6	-88.7	1.3
34.0	36.0	176.6	152.4	-88.8	1.2
36.0	38.0	186.8	162.6	-88.8	1.2
38.0	40.0	185.0	160.8	-88.6	1.4
40.0	42.0	189.5	165.3	-88.6	1.4
42.0	44.0	192.0	167.8	-88.2	1.8
44.0	46.0	192.5	168.3	-88.1	1.9
46.0	48.0	190.1	165.9	-88.1	1.9
48.0	50.0	189.2	165.0	-87.9	2.1
50.0	52.0	184.8	160.6	-88.0	2.0
52.0	54.0	184.6	160.4	-87.9	2.1
54.0	56.0	188.7	164.5	-87.6	2.4
56.0	58.0	195.3	171.1	-87.7	2.3
58.0	60.0	193.6	169.4	-87.3	2.7
60.0	62.0	189.0	164.8	-87.4	2.6
62.0	64.0	187.4	163.2	-87.2	2.8
64.0	66.0	188.4	164.2	-87.0	3.0
66.0	68.0	186.9	162.7	-86.7	3.3
68.0	70.0	187.3	163.1	-86.5	3.5
70.0	72.0	187.1	162.9	-86.5	3.5
72.0	74.0	190.1	165.9	-86.2	3.8
74.0	76.0	191.1	166.9	-86.1	3.9
76.0	78.0	191.2	167.0	-85.9	4.1
78.0	80.0	196.7	172.5	-85.6	4.4
80.0	82.0	213.8	189.6	-85.1	4.9
82.0	84.0	195.2	171.0	-85.4	4.6
84.0	86.0	194.9	170.7	-85.1	4.9
86.0	88.0	206.7	182.5	-85.0	5.0
88.0	90.0	195.8	171.6	-84.6	5.4
90.0	92.0	201.7	177.5	-84.4	5.6
92.0	94.0	200.2	176.0	-84.5	5.5
94.0	96.0	204.3	180.1	-84.4	5.6
96.0	98.0	201.8	177.6	-84.2	5.8
98.0	100.0	200.7	176.5	-84.1	5.9
100.0	102.0	201.0	176.8	-83.9	6.1
102.0	104.0	201.7	177.5	-83.9	6.1
104.0	106.0	202.8	178.6	-83.8	6.2

Downhole Survey Summary Table

Hole Number: **QBR-7594**

FROM (m)	TO (m)	UTM AZIMUTH (°)	MG AZIMUTH (°)	DIP (°)	SLANT ANGLE (°)
106.0	108.0	182.6	158.4	-83.6	6.4
108.0	110.0	200.0	175.8	-83.0	7.0
110.0	112.0	201.3	177.1	-83.2	6.8
112.0	114.0	202.0	177.8	-83.0	7.0
114.0	116.0	202.0	177.8	-83.0	7.0
116.0	118.0	201.4	177.2	-82.8	7.2
118.0	120.0	199.8	175.6	-82.3	7.7
120.0	122.0	199.7	175.5	-82.4	7.6
122.0	124.0	204.2	180.0	-81.8	8.2
124.0	126.0	202.5	178.3	-81.6	8.4
126.0	128.0	202.5	178.3	-81.4	8.6
128.0	130.0	202.7	178.5	-81.3	8.7
130.0	132.0	202.2	178.0	-81.2	8.8
132.0	134.0	201.3	177.1	-80.9	9.1
134.0	136.0	201.5	177.3	-80.7	9.3
136.0	138.0	200.3	176.1	-80.8	9.2
138.0	140.0	200.7	176.5	-80.5	9.5
140.0	142.0	200.6	176.4	-80.4	9.6
142.0	144.0	202.4	178.2	-80.0	10.0
144.0	146.0	203.6	179.4	-79.7	10.3
146.0	148.0	195.8	171.6	-79.7	10.3
148.0	150.0	204.9	180.7	-79.7	10.3
150.0	152.0	204.6	180.4	-79.4	10.6
152.0	154.0	201.5	177.3	-79.4	10.6
154.0	156.0	199.9	175.7	-79.3	10.7
156.0	158.0	196.4	172.2	-79.0	11.0
158.0	160.0	194.3	170.1	-78.9	11.1
160.0	162.0	201.7	177.5	-78.7	11.3
162.0	164.0	203.1	178.9	-79.4	10.6
164.0	166.0	201.2	177.0	-78.9	11.1
166.0	168.0	205.1	180.9	-78.9	11.1
168.0	170.0	200.9	176.7	-78.7	11.3
170.0	172.0	196.3	172.1	-78.7	11.3
172.0	173.7	197.1	172.9	-78.3	11.7

Seam Interval Summary Table

Picked by: Ron McIntyre, P.Geo.
Data checked by: Melanie Mackay, G.I.T.
Confirmed by: Ron McIntyre, P.Geo.

Hole Number: **QBR-7594**

Seam ID	From (m)	To (m)	Interval Thickness (m)	BCN (°)	True Thickness (m)
E1	35.27	38.16	2.89	48	1.93
E2	39.07	40.20	1.13	46	0.78
E3	42.42	42.91	0.49	47	0.33
F	69.44	72.39	2.95	46	2.05
CZ	81.07	81.23	0.16	42	0.12
G bone	124.72	125.00	0.28	31	0.24
G	125.46	130.08	4.62	31	3.96
I	130.93	131.76	0.83	36	0.67
J	135.08	142.58	7.50	35	6.14
JJ	144.93	168.90	23.97	34	19.87

Comments: JJ: Fault repetition of lower seams.

Drill Hole Summary Sheet

Hole Number: **RHTR 2005 - 1**

Hole Type	Rotary	Survey Instrument / Accuracy	Leica SR530 / 2-5 cm
Collar Elevation (m)	1776.34	Collar Bearing (°)	215
Total Depth (m)	103.63	Hole Inclination (°)	70
Length of Casing (m)	3.04	Date Drilling Complete	July 3/2005
Hole Diameter (cm)	11.43 (4.5")	Date Geophys. Logged	July 9/2005
Core size (cm)	N/A	Date Core Logged	N/A
NAD 83 UTM Coordinates		Mine Grid Coordinates*	
Northing (m)	Easting (m)	Northing (m)	Easting (m)
6083312.99	630307.85	9287.19	12213.16

Geophysical Data

Gamma Density	Gamma Neutron	Exp. Gamma Density	Deviation	Dipmeter	Dipmeter Deviation	Other	Logging Tools ID
x	x	x	x	-	-	-	9055, 9139

Comments:

Drilling Contractor: Derex Drilling Services Ltd.
 Geophysical Contractor: Century Geophysical Corp.

*Note: Mine Grid Point of Origin at UTM Zone 10 (NAD 83) 608079.06 N, with Rotation of 24.22° East.
 637701.86 E

Downhole Survey Summary Table

Hole Number: **RHTR 2005-1**

FROM (m)	TO (m)	UTM AZIMUTH (°)	MG AZIMUTH (°)	DIP (°)	SLANT ANGLE (°)
0.0	10.00	220.0	195.8	-70.0	20.0
10.0	12.00	221.2	197.0	-66.3	23.7
12.0	14.00	220.3	196.1	-66.4	23.6
14.0	16.00	219.3	195.1	-66.4	23.6
16.0	18.00	218.3	194.1	-66.1	23.9
18.0	20.00	217.7	193.5	-65.8	24.2
20.0	22.00	216.9	192.7	-66.4	23.6
22.0	24.00	216.5	192.3	-66.4	23.6
24.0	26.00	215.8	191.6	-64.4	25.6
26.0	28.00	215.4	191.2	-64.5	25.5
28.0	30.00	215.0	190.8	-64.0	26.0
30.0	32.00	214.5	190.3	-63.4	26.6
32.0	34.00	214.4	190.2	-63.3	26.7
34.0	36.00	214.2	190.0	-62.5	27.5
36.0	38.00	213.6	189.4	-60.8	29.2
38.0	40.00	213.2	189.0	-61.3	28.7
40.0	42.00	213.1	188.9	-61.2	28.8
42.0	44.00	212.9	188.7	-60.8	29.2
44.0	46.00	212.6	188.4	-59.7	30.3
46.0	48.00	212.3	188.1	-58.9	31.1
48.0	50.00	212.2	188.0	-58.4	31.6
50.0	52.00	212.2	188.0	-60.1	29.9
52.0	54.00	212.0	187.8	-60.4	29.6
54.0	56.00	211.7	187.5	-59.6	30.4
56.0	58.00	211.7	187.5	-59.0	31.0
58.0	60.00	211.4	187.2	-59.3	30.7
60.0	62.00	211.1	186.9	-59.0	31.0
62.0	64.00	210.9	186.7	-59.9	30.1
64.0	66.00	210.8	186.6	-59.1	30.9
66.0	68.00	210.7	186.5	-58.1	31.9
68.0	70.00	210.7	186.5	-58.0	32.0
70.0	72.00	210.6	186.4	-58.3	31.7
72.0	74.00	210.5	186.3	-58.1	31.9
74.0	76.00	210.4	186.2	-58.6	31.4
76.0	78.00	210.3	186.1	-57.1	32.9
78.0	80.00	210.2	186.0	-57.4	32.6
80.0	82.00	210.4	186.2	-56.9	33.1
82.0	84.00	210.1	185.9	-56.9	33.1
84.0	86.00	210.2	186.0	-56.0	34.0
86.0	88.00	210.0	185.8	-56.6	33.4
88.0	90.00	209.8	185.6	-55.9	34.1
90.0	92.00	209.7	185.5	-56.5	33.5
92.0	94.00	209.8	185.6	-54.8	35.2
94.0	96.00	209.7	185.5	-56.5	33.5
96.0	98.00	209.6	185.4	-55.3	34.7
98.0	103.63	209.6	185.4	-54.8	35.2

Drill Hole Summary Sheet

Hole Number: RHTR 2005-2

Hole Type	Rotary	Survey Instrument / Accuracy	Leica SR530 / 2-5 cm
Collar Elevation (m)	1714.96	Collar Bearing (°)	Vertical
Total Depth (m)	241.40	Hole Angle (°)	90
Length of Casing (m)	3.04	Date Drilling Complete	July 7/2005
Hole Diameter (cm)	11.43 (4.5")	Date Geophys. Logged	July 9/2005
Core size (cm)	N/A	Date Core Logged	N/A
NAD 83 UTM Coordinates		Mine Grid Coordinates*	
Northing (m)	Easting (m)	Northing (m)	Easting (m)
6083518.47	630169.13	9417.69	12002.36

Geophysical Data

Gamma - Density	Gamma - Neutron	Exp. Gamma - Density	Deviation	Dipmeter	Dipmeter Deviation	Other	Logging Tools ID
x	x	x	x	x	x	-	9055, 9139, 9410

Comments:

Drilling Contractor: Derex Drilling Services Ltd.
 Geophysical Contractor: Century Geophysical Corp.

Reentered, cleaned, relogged J seam July 13/05

*Note: Mine Grid Point of Origin at UTM Zone 10 (NAD 83) 608079.06 N, with Rotation of 24.22° East.
 637701.86 E

Downhole Survey Summary Table

Hole Number: **RHTR 2005-2**

FROM (m)	TO (m)	UTM AZIMUTH (°)	MG AZIMUTH (°)	DIP (°)	SLANT ANGLE (°)
0.0	10.0	95.0	70.8	90.0	0.0
10.0	12.0	94.1	69.8	-89.1	1.0
12.0	14.0	95.8	71.6	-89.1	1.0
14.0	16.0	96.6	72.4	-88.9	1.1
16.0	18.0	97.9	73.7	-89.0	1.1
18.0	20.0	98.5	74.2	-89.0	1.0
20.0	22.0	98.6	74.4	-88.9	1.2
22.0	24.0	98.6	74.3	-89.0	1.1
24.0	26.0	98.1	73.8	-88.9	1.1
26.0	28.0	97.8	73.6	-89.0	1.1
28.0	30.0	97.4	73.2	-88.9	1.1
30.0	32.0	97.0	72.8	-88.8	1.2
32.0	34.0	96.3	72.1	-88.9	1.2
34.0	36.0	95.2	70.9	-89.0	1.1
36.0	38.0	94.2	70.0	-88.9	1.1
38.0	40.0	93.6	69.3	-88.8	1.2
40.0	42.0	93.1	68.8	-88.9	1.1
42.0	44.0	92.9	68.7	-89.0	1.1
44.0	46.0	93.0	68.7	-88.8	1.2
46.0	48.0	93.0	68.8	-88.9	1.2
48.0	50.0	94.3	70.1	-88.4	1.7
50.0	52.0	96.3	72.0	-88.1	2.0
52.0	54.0	98.7	74.4	-87.8	2.2
54.0	56.0	101.6	77.3	-87.4	2.6
56.0	58.0	105.0	80.7	-87.0	3.1
58.0	60.0	109.1	84.9	-86.3	3.7
60.0	62.0	113.7	89.4	-86.1	4.0
62.0	64.0	118.0	93.8	-85.6	4.4
64.0	66.0	122.1	97.9	-85.4	4.6
66.0	68.0	125.9	101.7	-85.8	4.3
68.0	70.0	129.4	105.2	-85.7	4.3
70.0	72.0	132.5	108.3	-85.8	4.3
72.0	74.0	135.2	111.0	-85.8	4.2
74.0	76.0	137.7	113.4	-85.8	4.3
76.0	78.0	140.0	115.8	-85.7	4.4
78.0	80.0	142.2	118.0	-85.7	4.4
80.0	82.0	144.2	119.9	-86.0	4.1
82.0	84.0	145.7	121.5	-86.0	4.1
84.0	86.0	147.3	123.0	-86.0	4.0
86.0	88.0	148.7	124.4	-86.0	4.1
88.0	90.0	150.0	125.8	-86.0	4.1
90.0	92.0	151.1	126.9	-85.9	4.1
92.0	94.0	152.2	128.0	-85.9	4.1

Downhole Survey Summary Table

Hole Number: **RHTR 2005-2**

FROM (m)	TO (m)	UTM AZIMUTH (°)	MG AZIMUTH (°)	DIP (°)	SLANT ANGLE (°)
94.0	96.0	153.3	129.1	-86.0	4.1
96.0	98.0	154.4	130.1	-85.8	4.3
98.0	100.0	155.3	131.1	-85.8	4.2
100.0	102.0	156.3	132.0	-85.3	4.7
102.0	104.0	157.3	133.1	-84.6	5.4
104.0	106.0	158.4	134.2	-84.7	5.3
106.0	108.0	159.5	135.2	-84.6	5.5
108.0	110.0	160.5	136.2	-84.7	5.4
110.0	112.0	161.5	137.2	-84.9	5.2
112.0	114.0	162.6	138.3	-85.1	5.0
114.0	116.0	163.6	139.4	-84.9	5.1
116.0	118.0	164.6	140.3	-84.9	5.2
118.0	120.0	165.6	141.3	-85.1	5.0
120.0	122.0	166.5	142.2	-85.2	4.8
122.0	124.0	167.5	143.2	-85.2	4.8
124.0	126.0	168.3	144.1	-85.1	5.0
126.0	128.0	169.1	144.9	-85.0	5.1
128.0	130.0	170.0	145.8	-84.7	5.4
130.0	132.0	170.8	146.6	-84.6	5.4
132.0	134.0	171.6	147.4	-84.6	5.5
134.0	136.0	172.4	148.2	-84.2	5.8
136.0	138.0	173.2	148.9	-83.8	6.2
138.0	140.0	174.0	149.8	-82.5	7.5
140.0	142.0	174.7	150.4	-83.7	6.4
142.0	144.0	175.2	151.0	-83.6	6.4
144.0	146.0	175.7	151.4	-83.9	6.2
146.0	148.0	176.1	151.9	-84.0	6.1
148.0	150.0	176.5	152.3	-84.2	5.9
150.0	152.0	176.8	152.6	-84.3	5.7
152.0	154.0	177.2	152.9	-84.4	5.7
154.0	156.0	177.5	153.2	-84.7	5.3
156.0	158.0	177.7	153.4	-84.9	5.2
158.0	160.0	177.9	153.6	-84.8	5.2
160.0	162.0	178.0	153.8	-84.9	5.2
162.0	164.0	178.2	153.9	-84.8	5.2
164.0	166.0	178.2	154.0	-84.8	5.2
166.0	168.0	178.3	154.1	-84.3	5.7
168.0	170.0	178.3	154.1	-84.4	5.6
170.0	172.0	178.3	154.1	-84.5	5.5
172.0	174.0	178.3	154.1	-84.1	5.9
174.0	176.0	178.3	154.1	-84.2	5.9
176.0	178.0	178.2	154.0	-84.0	6.1

Downhole Survey Summary Table

Hole Number: **RHTR 2005-2**

FROM (m)	TO (m)	UTM AZIMUTH (°)	MG AZIMUTH (°)	DIP (°)	SLANT ANGLE (°)
178.0	180.0	178.1	153.8	-83.7	6.3
180.0	182.0	178.0	153.7	-83.3	6.8
182.0	184.0	177.8	153.5	-83.2	6.9
184.0	186.0	177.5	153.3	-83.0	7.1
186.0	188.0	177.2	153.0	-82.9	7.2
188.0	190.0	176.9	152.6	-82.4	7.7
190.0	192.0	176.7	152.4	-82.1	8.0
192.0	194.0	176.4	152.2	-81.8	8.3
194.0	196.0	176.2	151.9	-81.5	8.5
196.0	198.0	175.9	151.6	-81.5	8.6
198.0	200.0	175.6	151.3	-81.5	8.6
200.0	202.0	175.3	151.0	-81.5	8.6
202.0	204.0	175.1	150.8	-81.4	8.7
204.0	206.0	174.8	150.5	-81.1	8.9
206.0	208.0	174.6	150.3	-80.8	9.2
208.0	210.0	174.4	150.2	-80.5	9.5
210.0	212.0	174.3	150.1	-80.3	9.8
212.0	214.0	174.2	149.9	-79.8	10.2
214.0	216.0	174.1	149.8	-79.6	10.5
216.0	218.0	174.0	149.7	-79.2	10.8
218.0	220.0	173.8	149.6	-78.9	11.1
220.0	222.0	173.8	149.5	-78.2	11.9
222.0	224.0	173.9	149.6	-77.2	12.9
224.0	226.0	173.9	149.7	-77.1	13.0
226.0	228.0	174.0	149.7	-76.7	13.3
228.0	230.0	174.0	149.8	-76.7	13.4
230.0	232.0	174.1	149.9	-76.4	13.6
232.0	241.4	174.1	149.9	-76.6	13.5

Seam Interval Summary Table

Picked by: Ron McIntyre, P.Geo.

Hole Number: **RHTR 2005-2**

Data checked by: Melanie Mackay, G.I.T.

Seam ID	From (m)	To (m)	Interval Thickness (m)	BCN (°)	True Thickness (m)
D1	35.02	36.60	1.58	32	1.34
CZ	42.71	43.32	0.61	32	0.52
D2	47.32	51.27	3.95	32	3.35
E1	103.09	105.25	2.16	25	1.96
E2	105.97	107.02	1.05	25	0.95
E3	109.58	109.98	0.40	25	0.36
F	129.82	133.04	3.22	12	3.15
CZ	152.38	152.61	0.23	12	0.22
G	212.70	217.28	4.58	15	4.42
I	220.80	221.07	0.27	15	0.26
J	222.63	237.04	14.41	15	13.92

Comments: J: Washouts 225.1, 227.7, 228.5, 230.3 m.

Drill Hole Summary Sheet

Hole Number: RHTR 2005-3

Hole Type	Rotary	Survey Instrument / Accuracy	Leica SR530 / 2-5 cm
Collar Elevation (m)	1718.63	Collar Bearing (°)	215
Total Depth (m)	89.92	Hole Angle (°)	80
Length of Casing (m)	6	Date Drilling Complete	July 9/2005
Hole Diameter (cm)	11.43 (4.5")	Date Geophys. Logged	July 9/2005
Core size (cm)	N/A	Date Core Logged	N/A
NAD 83 UTM Coordinates		Mine Grid Coordinates*	
Northing (m)	Easting (m)	Northing (m)	Easting (m)
6083494.56	630157.71	9391.16	12001.67

Geophysical Data

Gamma - Density	Gamma - Neutron	Exp. Gamma - Density	Deviation	Dipmeter	Dipmeter Deviation	Other	Logging Tools ID
x	x	x	x	-	-	-	9055, 9139

Comments:

Drilling Contractor: Derex Drilling Services Ltd.
 Geophysical Contractor: Century Geophysical Corp.

*Note: Mine Grid Point of Origin at UTM Zone 10 (NAD 83) 608079.06 N, with Rotation of 24.22° East.
 637701.86 E

Downhole Survey Summary Table

Hole Number: **RHTR 2005-3**

FROM (m)	TO (m)	UTM AZIMUTH (°)	MG AZIMUTH (°)	DIP (°)	SLANT ANGLE (°)
0.0	22.0	215.0	190.8	-80.0	10.0
22.0	24.0	209.0	184.8	-76.5	13.6
24.0	26.0	209.7	185.5	-76.0	14.1
26.0	28.0	209.9	185.7	-76.4	13.6
28.0	30.0	210.5	186.2	-76.4	13.7
30.0	32.0	210.8	186.5	-76.3	13.8
32.0	34.0	211.1	186.9	-76.0	14.0
34.0	36.0	211.4	187.2	-76.2	13.9
36.0	38.0	211.8	187.5	-76.6	13.5
38.0	40.0	212.2	187.9	-76.2	13.8
40.0	42.0	212.4	188.1	-75.9	14.1
42.0	44.0	212.5	188.2	-75.6	14.5
44.0	46.0	212.5	188.3	-75.2	14.8
46.0	48.0	212.6	188.4	-75.2	14.8
48.0	50.0	212.7	188.5	-75.2	14.9
50.0	52.0	212.8	188.5	-74.7	15.3
52.0	54.0	212.7	188.5	-74.5	15.6
54.0	56.0	212.9	188.6	-74.7	15.4
56.0	58.0	212.9	188.6	-74.8	15.3
58.0	60.0	213.0	188.7	-73.7	16.4
60.0	62.0	213.1	188.8	-73.6	16.5
62.0	64.0	213.2	188.9	-73.6	16.5
64.0	66.0	213.3	189.1	-73.5	16.5
66.0	68.0	213.4	189.2	-73.5	16.5
68.0	70.0	213.5	189.3	-73.7	16.3
70.0	72.0	213.5	189.3	-73.8	16.3
72.0	74.0	213.5	189.3	-73.0	17.1
74.0	76.0	213.6	189.4	-73.2	16.8
76.0	78.0	213.5	189.3	-73.0	17.1
78.0	80.0	213.3	189.1	-72.5	17.5
80.0	82.0	213.4	189.2	-72.2	17.8
82.0	84.0	213.4	189.1	-70.7	19.3
84.0	86.0	213.3	189.1	-73.2	16.8
86.0	88.0	213.4	189.1	-71.8	18.3
88.0	89.9	213.3	189.1	-71.8	18.3

Seam Interval Summary Table

Hole Number: **RHTR 2005-3**

Picked by: Ron McIntyre, P.Geo.
Data checked by: Melanie Mackay, G.I.T.

Seam ID	From (m)	To (m)	Interval Thickness (m)	BCN (°)	True Thickness (m)
D1	2.4	3.48	1.08	12	1.06
CZ	5.93	6.40	0.47	12	0.46
D2	8.93	12.00	3.07	12	3.00
E1	41.75	44.42	2.67	17	2.55
E2	45.27	46.18	0.91	17	0.87
E3	48.18	48.60	0.42	17	0.40
F	84.24	86.71	2.47	35	2.02

Comments: D1: Top contact estimated, ~60cm of the top of the seam was cased.

Drill Hole Summary Sheet

Hole Number: RHTR 2005-4

Hole Type	Rotary	Survey Instrument / Accuracy	Leica SR530 / 2-5 cm
Collar Elevation (m)	1713.04	Collar Bearing (°)	215
Total Depth (m)	80.77	Hole Angle (°)	65
Length of Casing (m)	3.04	Date Drilling Complete	July 10/2005
Hole Diameter (cm)	11.43 (4.5")	Date Geophys. Logged	July 13/2005
Core size (cm)	N/A	Date Core Logged	N/A
NAD 83 UTM Coordinates		Mine Grid Coordinates*	
Northing (m)	Easting (m)	Northing (m)	Easting (m)
6083375.78	630082.47	9252.01	11981.86

Geophysical Data

Gamma - Density	Gamma - Neutron	Exp. Gamma - Density	Deviation	Dipmeter	Dipmeter Deviation	Other	Logging Tools ID
x	x	x	x	x	x	-	9055, 9139, 9410

Comments:

Drilling Contractor: Derex Drilling Services Ltd.
 Geophysical Contractor: Century Geophysical Corp.

No coal for 30m below K3 seam

*Note: Mine Grid Point of Origin at UTM Zone 10 (NAD 83) 608079.06 N, with Rotation of 24.22° East.
 637701.86 E

Downhole Survey Summary Table

Hole Number: **RHTR 2005-4**

FROM (m)	TO (m)	UTM AZIMUTH (°)	MG AZIMUTH (°)	DIP (°)	SLANT ANGLE (°)
0.0	10.0	215.0	190.8	-65.0	25.0
10.0	12.0	214.5	190.3	-63.7	26.3
12.0	14.0	215.0	190.7	-62.8	27.2
14.0	16.0	215.9	191.6	-62.8	27.3
16.0	18.0	216.2	191.9	-62.2	27.8
18.0	20.0	216.2	192.0	-61.7	28.3
20.0	22.0	216.3	192.1	-61.3	28.7
22.0	24.0	216.7	192.4	-60.9	29.2
24.0	26.0	216.9	192.6	-61.2	28.8
26.0	28.0	217.1	192.9	-60.6	29.4
28.0	30.0	217.4	193.1	-61.1	29.0
30.0	32.0	217.5	193.2	-60.7	29.4
32.0	34.0	217.2	193.0	-62.0	28.1
34.0	36.0	217.1	192.9	-59.8	30.2
36.0	38.0	217.0	192.8	-59.6	30.4
38.0	40.0	216.9	192.7	-59.5	30.5
40.0	42.0	216.7	192.4	-59.3	30.7
42.0	44.0	216.7	192.4	-59.0	31.1
44.0	46.0	216.8	192.6	-58.4	31.7
46.0	48.0	216.8	192.6	-58.2	31.8
48.0	50.0	216.9	192.7	-58.1	31.9
50.0	52.0	216.9	192.7	-58.1	32.0
52.0	54.0	216.9	192.7	-58.1	32.0
54.0	56.0	216.9	192.6	-57.9	32.2
56.0	58.0	216.8	192.6	-57.9	32.2
58.0	60.0	216.8	192.6	-57.8	32.3
60.0	62.0	216.8	192.6	-57.6	32.4
62.0	64.0	216.8	192.6	-57.6	32.5
64.0	66.0	216.8	192.6	-57.4	32.6
66.0	68.0	216.8	192.6	-57.5	32.5
68.0	70.0	216.8	192.6	-57.7	32.3
70.0	72.0	216.8	192.6	-58.0	32.0
72.0	74.0	216.7	192.5	-58.0	32.0
74.0	76.0	216.8	192.6	-58.0	32.1
76.0	78.0	216.8	192.6	-58.3	31.7
78.0	80.0	216.8	192.6	-58.4	31.6
80.0	81.3	216.8	192.6	-58.4	31.6

Drill Hole Summary Sheet

Hole Number: RHTR 2005-5

Hole Type	Rotary	Survey Instrument / Accuracy	Leica SR530 / 2-5 cm
Collar Elevation (m)	1705.25	Collar Bearing (°)	35
Total Depth (m)	67.06	Hole Angle (°)	65
Length of Casing (m)	9.1	Date Drilling Complete	July 14/ 2005
Hole Diameter (cm)	11.43 (4.5")	Date Geophys. Logged	July 19/2005
Core size (cm)	N/A	Date Core Logged	N/A
NAD 83 UTM Coordinates		Mine Grid Coordinates*	
Northing (m)	Easting (m)	Northing (m)	Easting (m)
6083561.54	630202.57	9470.68	12015.19

Geophysical Data

Gamma - Density	Gamma - Neutron	Exp. Gamma - Density	Deviation	Dipmeter	Dipmeter Deviation	Other	Logging Tools ID
x	x	x	x	x	x	-	9057, 9034, 9410

Comments:

Drilling Contractor: Derex Drilling Services Ltd.
 Geophysical Contractor: Century Geophysical Corp.

Separate D Seam expanded log.

*Note: Mine Grid Point of Origin at UTM Zone 10 (NAD 83) 608079.06 N, with Rotation of 24.22° East.
 637701.86 E

Downhole Survey Summary Table

Hole Number: **RTHR 2005-5**

FROM (m)	TO (m)	UTM AZIMUTH (°)	MG AZIMUTH (°)	DIP (°)	SLANT ANGLE (°)
0.0	20.0	35.0	10.8	-65.0	25.0
20.0	22.0	34.0	9.8	-62.4	27.6
22.0	24.0	35.0	10.8	-62.5	27.5
24.0	26.0	36.0	11.8	-62.5	27.6
26.0	28.0	36.9	12.7	-62.3	27.7
28.0	30.0	37.6	13.4	-62.6	27.4
30.0	32.0	37.6	13.4	-62.5	27.5
32.0	34.0	36.9	12.7	-61.9	28.2
34.0	36.0	36.3	12.1	-61.8	28.2
36.0	38.0	35.8	11.6	-61.2	28.8
38.0	40.0	35.3	11.1	-61.4	28.6
40.0	42.0	34.9	10.7	-60.9	29.1
42.0	44.0	34.4	10.2	-60.2	29.8
44.0	46.0	34.0	9.8	-59.9	30.1
46.0	48.0	33.7	9.5	-60.6	29.4
48.0	50.0	33.4	9.2	-59.3	30.7
50.0	52.0	33.1	8.9	-59.5	30.5
52.0	54.0	32.8	8.6	-58.2	31.8
54.0	56.0	32.6	8.4	-58.7	31.3
56.0	58.0	32.3	8.1	-59.0	31.0
58.0	60.0	32.3	8.1	-58.7	31.3
60.0	62.0	32.1	7.9	-57.7	32.3
62.0	64.0	31.9	7.7	-56.2	33.8
64.0	67.1	31.8	7.6	-55.7	34.3

Seam Interval Summary Table

Hole Number: **RTHR 2005-5**

Picked by: Ron McIntyre, P.Geo.
Data checked by: Melanie Mackay, G.I.T.

Seam ID	From (m)	To (m)	Interval Thickness (m)	BCN (°)	True Thickness (m)
D2	9.70	13.62	3.92	36	3.17
CZ	28.85	29.47	0.62	36	0.50
CZ	31.33	31.50	0.17	36	0.14
E1	37.99	40.73	2.74	31	2.35
E2	41.68	42.99	1.31	31	1.12
E3	43.75	44.25	0.50	31	0.43
F	56.57	58.29	1.72	23	1.58

Comments: D2: Top contact from gamma log, through casing; matches driller report.
E1: High-gamma clyst parting.
F: Includes ~30cm bone on top.

Drill Hole Summary Sheet

Hole Number: RHTR 2005-6

Hole Type	Rotary	Survey Instrument / Accuracy	Leica SR530 / 2-5 cm
Collar Elevation (m)	1691.59	Collar Bearing (°)	215
Total Depth (m)	55.47	Hole Angle (°)	70
Length of Casing (m)	9.1	Date Drilling Complete	July 15/2005
Hole Diameter (cm)	11.43 (4.5")	Date Geophys. Logged	July 19/2005
Core size (cm)	N/A	Date Core Logged	N/A
NAD 83 UTM Coordinates		Mine Grid Coordinates*	
Northing (m)	Easting (m)	Northing (m)	Easting (m)
6083612.63	630241.05	9533.06	12029.33

Geophysical Data

Gamma - Density	Gamma - Neutron	Exp. Gamma - Density	Deviation	Dipmeter	Dipmeter Deviation	Other	Logging Tools ID
x	x	x	x	x	x	-	9057, 9034, 9410

Comments:

Drilling Contractor: Derex Drilling Services Ltd.
 Geophysical Contractor: Century Geophysical Corp.

Hole not sampled

*Note: Mine Grid Point of Origin at UTM Zone 10 (NAD 83) 608079.06 N, with Rotation of 24.22° East.
 637701.86 E

Downhole Survey Summary Table

Hole Number: **RHTR 2005-6**

FROM (m)	TO (m)	UTM AZIMUTH (°)	MG AZIMUTH (°)	DIP (°)	SLANT ANGLE (°)
0.0	10.0	35.0	10.8	-65.0	25.0
10.0	12.0	36.2	12.0	-67.3	22.7
12.0	14.0	40.0	15.8	-67.3	22.7
14.0	16.0	42.2	18.0	-67.5	22.5
16.0	18.0	43.8	19.6	-66.9	23.1
18.0	20.0	44.9	20.7	-66.6	23.4
20.0	22.0	45.7	21.5	-66.9	23.1
22.0	24.0	46.5	22.3	-66.7	23.3
24.0	26.0	47.2	23.0	-65.8	24.2
26.0	28.0	47.8	23.6	-65.7	24.3
28.0	30.0	48.2	24.0	-65.3	24.7
30.0	32.0	48.5	24.3	-64.8	25.2
32.0	34.0	48.9	24.7	-64.4	25.6
34.0	36.0	49.3	25.1	-64.3	25.7
36.0	38.0	49.6	25.4	-63.2	26.8
38.0	40.0	49.9	25.7	-62.9	27.1
40.0	42.0	50.2	26.0	-62.4	27.7
42.0	44.0	50.3	26.1	-62.3	27.8
44.0	46.0	50.5	26.3	-62.1	28.0
46.0	48.0	50.8	26.6	-61.1	28.9
48.0	50.0	51.0	26.8	-60.9	29.1
50.0	52.0	51.1	26.9	-61.0	29.0
52.0	54.0	51.2	27.0	-59.7	30.3
54.0	55.5	51.4	27.2	-59.3	30.7

Seam Interval Summary Table

Hole Number: **RTHR 2005-6**

Picked by: Ron McIntyre, P.Geo.
Data checked by: Melanie Mackay, G.I.T.

Seam ID	From (m)	To (m)	Interval Thickness (m)	BCN (°)	True Thickness (m)
G	36.37	39.47	3.10	35	2.54
I	39.70	40.37	0.67	43	0.49
J	43.20	49.47	6.27	34	5.20

Comments: G: ~20cm stoney coal split sits 30cm above G seam.
J: Possible fault 1.3m below top contact.

Drill Hole Summary Sheet

Hole Number: RHTR 2005-7

Hole Type	Rotary	Survey Instrument / Accuracy	Leica SR530 / 2-5 cm
Collar Elevation (m)	1745.31	Collar Bearing (°)	Vertical
Total Depth (m)	147.83	Hole Angle (°)	90
Length of Casing (m)	3.04	Date Drilling Complete	July 18/2005
Hole Diameter (cm)	11.43 (4.5")	Date Geophys. Logged	July 19/2005
Core size (cm)	N/A	Date Core Logged	N/A
NAD 83 UTM Coordinates		Mine Grid Coordinates*	
Northing (m)	Easting (m)	Northing (m)	Easting (m)
6083416.13	630412.18	9424.05	12266.00

Geophysical Data

Gamma - Density	Gamma - Neutron	Exp. Gamma - Density	Deviation	Dipmeter	Dipmeter Deviation	Other	Logging Tools ID
x	x	x	x	x	x	-	9057, 9034, 9410

Comments:

Drilling Contractor: Derex Drilling Services Ltd.
 Geophysical Contractor: Century Geophysical Corp.

*Note: Mine Grid Point of Origin at UTM Zone 10 (NAD 83) 608079.06 N, with Rotation of 24.22° East.
 637701.86 E

Downhole Survey Summary Table

Hole Number: **RHTR 2005-7**

FROM (m)	TO (m)	UTM AZIMUTH (°)	MG AZIMUTH (°)	DIP (°)	SLANT ANGLE (°)
0.0	20.0	50.0	25.8	-90.0	0.0
20.0	22.0	49.0	24.8	-87.0	3.0
22.0	24.0	46.0	21.8	-86.9	3.1
24.0	26.0	44.2	20.0	-85.8	4.2
26.0	28.0	42.5	18.3	-85.8	4.2
28.0	30.0	41.2	17.0	-84.6	5.4
30.0	32.0	39.8	15.6	-84.6	5.5
32.0	34.0	38.3	14.1	-84.3	5.7
34.0	36.0	36.6	12.4	-84.4	5.6
36.0	38.0	35.5	11.3	-84.2	5.8
38.0	40.0	34.6	10.4	-84.1	5.9
40.0	42.0	33.8	9.6	-84.4	5.7
42.0	44.0	33.2	9.0	-84.1	5.9
44.0	46.0	32.7	8.5	-84.1	5.9
46.0	48.0	32.3	8.1	-83.2	6.8
48.0	50.0	31.9	7.7	-82.6	7.4
50.0	52.0	31.5	7.3	-82.8	7.2
52.0	54.0	31.0	6.8	-82.4	7.6
54.0	56.0	30.6	6.4	-82.3	7.7
56.0	58.0	30.4	6.2	-81.4	8.6
58.0	60.0	30.1	5.9	-81.2	8.8
60.0	62.0	30.1	5.9	-80.9	9.1
62.0	64.0	29.9	5.7	-80.8	9.2
64.0	66.0	30.0	5.8	-80.1	9.9
66.0	68.0	30.1	5.9	-79.1	10.9
68.0	70.0	30.0	5.8	-79.0	11.1
70.0	72.0	30.0	5.8	-78.3	11.7
72.0	74.0	29.9	5.7	-78.0	12.0
74.0	76.0	29.8	5.6	-77.7	12.3
76.0	78.0	29.7	5.5	-77.7	12.3
78.0	80.0	29.6	5.4	-77.7	12.4
80.0	82.0	29.7	5.5	-76.8	13.2
82.0	84.0	29.9	5.7	-76.4	13.6
84.0	86.0	30.1	5.9	-75.9	14.1
86.0	88.0	30.1	5.9	-75.7	14.3
88.0	90.0	30.2	6.0	-75.2	14.8
90.0	92.0	30.4	6.2	-74.7	15.3
92.0	94.0	30.5	6.3	-74.6	15.4
94.0	96.0	30.5	6.3	-74.7	15.3
96.0	98.0	30.6	6.4	-74.3	15.7
98.0	100.0	30.9	6.7	-73.8	16.2
100.0	102.0	30.8	6.6	-73.2	16.8

Downhole Survey Summary Table

Hole Number: **RHTR 2005-7**

FROM (m)	TO (m)	UTM AZIMUTH (°)	MG AZIMUTH (°)	DIP (°)	SLANT ANGLE (°)
102.0	104.0	31.0	6.8	-73.7	16.3
104.0	106.0	31.0	6.8	-73.0	17.0
106.0	108.0	31.0	6.8	-72.6	17.4
108.0	110.0	31.0	6.8	-72.8	17.2
110.0	112.0	31.0	6.8	-72.7	17.3
112.0	114.0	31.0	6.8	-72.8	17.2
114.0	116.0	31.0	6.8	-73.2	16.8
116.0	118.0	31.0	6.8	-72.5	17.5
118.0	120.0	31.1	6.9	-72.1	17.9
120.0	122.0	31.3	7.1	-72.4	17.6
122.0	124.0	31.4	7.2	-71.5	18.5
124.0	126.0	31.5	7.3	-71.2	18.8
126.0	128.0	31.7	7.5	-70.6	19.4
128.0	130.0	31.9	7.7	-70.1	19.9
130.0	132.0	32.1	7.9	-70.1	19.9
132.0	134.0	32.2	8.0	-69.6	20.4
134.0	136.0	32.5	8.3	-68.2	21.8
136.0	138.0	32.6	8.4	-67.9	22.1
138.0	140.0	32.9	8.7	-67.4	22.6
140.0	142.0	33.0	8.8	-66.5	23.5
142.0	144.0	33.2	9.0	-66.5	23.5
144.0	147.0	33.6	9.4	-66.7	23.3

Seam Interval Summary Table

Hole Number: **RHTR 2005-7**

Picked by: Ron McIntyre, P.Geo.
Data checked by: Melanie Mackay, G.I.T.

Seam ID	From (m)	To (m)	Interval Thickness (m)	BCN (°)	True Thickness (m)
CZ	5.54	5.85	0.31	49	0.20
D1	9.23	10.04	0.81	49	0.53
CZ	12.14	12.38	0.24	47	0.16
D2	15.07	17.68	2.61	47	1.78
E1	46.53	49.01	2.48	43	1.81
E2	49.78	49.98	0.20	43	0.15
CZ	54.06	54.26	0.20	43	0.15
F bone	69.14	69.99	0.85	28	0.75
F	69.99	71.50	1.51	28	1.33
CZ	75.61	75.82	0.21	28	0.19
CZ	86.40	86.65	0.25	20	0.23
G	126.81	129.71	2.90	20	2.73
I	No I Seam Present				
J	132.79	139.65	6.86	24	6.27

Comments Top CZ: Conglomerate coal.
 D2: Includes ~50cm bone on lower contact.
 E1: High-gamma clyst parting.
 J: Possible fault 1.2m below top contact.

Drill Hole Summary Sheet

Hole Number: RHTR 2005-8

Hole Type	Rotary	Survey Instrument / Accuracy	Leica SR530 / 2-5 cm
Collar Elevation (m)	1726.91	Collar Bearing (°)	35
Total Depth (m)	68.28	Hole Angle (°)	70
Length of Casing (m)	9.1	Date Drilling Complete	July 20/2005
Hole Diameter (cm)	11.43 (4.5")	Date Geophys. Logged	July 23/2005
Core size (cm)	N/A	Date Core Logged	N/A
NAD 83 UTM Coordinates		Mine Grid Coordinates*	
Northing (m)	Easting (m)	Northing (m)	Easting (m)
6083473.94	630450.34	9492.42	12277.09

Geophysical Data

Gamma - Density	Gamma - Neutron	Exp. Gamma - Density	Deviation	Dipmeter	Dipmeter Deviation	Other	Logging Tools ID
x	x	x	x	x	x	-	9057, 9034, 9410

Comments:

Drilling Contractor: Derex Drilling Services Ltd.
 Geophysical Contractor: Century Geophysical Corp.

*Note: Mine Grid Point of Origin at UTM Zone 10 (NAD 83) 608079.06 N, with Rotation of 24.22° East.
 637701.86 E

Downhole Survey Summary Table

Hole Number: **RHTR 2005-8**

FROM (m)	TO (m)	UTM AZIMUTH (°)	MG AZIMUTH (°)	DIP (°)	SLANT ANGLE (°)
0.0	10.0	35.0	10.8	-70.0	20.0
10.0	12.0	33.2	9.0	-68.9	21.1
12.0	14.0	35.2	11.0	-68.9	21.1
14.0	16.0	37.6	13.4	-68.1	21.9
16.0	18.0	39.4	15.2	-68.4	21.6
18.0	20.0	40.3	16.1	-67.4	22.6
20.0	22.0	41.9	17.7	-66.6	23.4
22.0	24.0	41.8	17.6	-67.1	22.9
24.0	26.0	42.4	18.2	-66.2	23.8
26.0	28.0	43.4	19.2	-65.6	24.4
28.0	30.0	44.7	20.5	-65.4	24.6
30.0	32.0	45.6	21.4	-64.7	25.3
32.0	34.0	46.2	22.0	-64.5	25.5
34.0	36.0	47.0	22.8	-64.0	26.0
36.0	38.0	48.1	23.9	-63.3	26.7
38.0	40.0	49.1	24.9	-63.0	27.0
40.0	42.0	50.1	25.9	-62.5	27.5
42.0	44.0	50.8	26.6	-63.1	26.9
44.0	46.0	51.0	26.8	-61.1	28.9
46.0	48.0	50.9	26.7	-60.3	29.7
48.0	50.0	51.3	27.1	-59.9	30.1
50.0	52.0	51.4	27.2	-58.7	31.3
52.0	54.0	51.8	27.6	-58.8	31.2
54.0	56.0	51.6	27.4	-58.8	31.2
56.0	58.0	52.0	27.8	-57.0	33.0
58.0	60.0	52.3	28.1	-55.8	34.2
60.0	62.0	52.4	28.2	-55.8	34.2
62.0	64.0	51.7	27.5	-56.2	33.8
64.0	66.0	52.1	27.9	-55.4	34.6
66.0	68.3	52.3	28.1	-55.5	34.5

Seam Interval Summary Table

Hole Number: **RHTR 2005-8**

Picked by: Ron McIntyre, P.Geo.
Data checked by: Melanie Mackay, G.I.T.

Seam ID	From (m)	To (m)	Interval Thickness (m)	BCN (°)	True Thickness (m)
G	26.33	29.00	2.67	31	2.29
I	29.32	29.69	0.37	35	0.30
J	33.07	38.89	5.82	33	4.88
K1	51.79	52.77	0.98	30	0.85
K2	54.27	54.99	0.72	29	0.63
K3	59.50	59.97	0.47	26	0.42

Comments: J: Possible fault 1.9m below top contact.
K3: Stoney coal/carb clyst.

Drill Hole Summary Sheet

Hole Number: RHTR 2005-9

Hole Type	Rotary	Survey Instrument / Accuracy	Leica SR530 / 2-5 cm
Collar Elevation (m)	1667.27	Collar Bearing (°)	215
Total Depth (m)	24.38	Hole Angle (°)	60
Length of Casing (m)	6	Date Drilling Complete	July 23/2005
Hole Diameter (cm)	11.43 (4.5")	Date Geophys. Logged	Aug 4/2005
Core size (cm)	N/A	Date Core Logged	N/A
NAD 83 UTM Coordinates		Mine Grid Coordinates*	
Northing (m)	Easting (m)	Northing (m)	Easting (m)
6083573.64	629885.87	9351.82	11721.40

Geophysical Data

Gamma - Density	Gamma - Neutron	Exp. Gamma - Density	Deviation	Dipmeter	Dipmeter Deviation	Other	Logging Tools ID
x	x	x	x	-	-	-	9057, 9139, 9410

Comments:

Drilling Contractor: Derex Drilling Services Ltd.
 Geophysical Contractor: Century Geophysical Corp.

Missed F seam; no coal intervals identified

Hole not Sampled

*Note: Mine Grid Point of Origin at UTM Zone 10 (NAD 83) 608079.06 N, with Rotation of 24.22° East.
 637701.86 E

Drill Hole Summary Sheet

Hole Number: RHTR 2005-10

Hole Type	Rotary	Survey Instrument / Accuracy	Leica SR530 / 2-5 cm
Collar Elevation (m)	1666.75	Collar Bearing (°)	Vertical
Total Depth (m)	207.30	Hole Angle (°)	90
Length of Casing (m)	6.7	Date Drilling Complete	Aug 3/2005
Hole Diameter (cm)	11.43 (4.5")	Date Geophys. Logged	Aug 4/2005
Core size (cm)	N/A	Date Core Logged	N/A
NAD 83 UTM Coordinates		Mine Grid Coordinates*	
Northing (m)	Easting (m)	Northing (m)	Easting (m)
6083685.50	629960.04	9484.26	11743.16

Geophysical Data

Gamma - Density	Gamma - Neutron	Exp. Gamma - Density	Deviation	Dipmeter	Dipmeter Deviation	Other	Logging Tools ID
x	x	x	x	x	x	-	9057, 9139, 9410

Comments:

Drilling Contractor: Derex Drilling Services Ltd.
 Geophysical Contractor: Century Geophysical Corp.

Abandoned after drill string stuck for 1 day; logged to blockage at 172m.

Hole not sampled

*Note: Mine Grid Point of Origin at UTM Zone 10 (NAD 83) 608079.06 N, with Rotation of 24.22° East.
 637701.86 E

Downhole Survey Summary Table

Hole Number: **RHTR 2005-10**

FROM (m)	TO (m)	UTM AZIMUTH (°)	MG AZIMUTH (°)	DIP (°)	SLANT ANGLE (°)
0.0	14.0	350.0	325.8	-90.0	0.0
14.0	16.0	344.2	320.0	-89.4	0.6
16.0	18.0	342	317.8	-89.7	0.3
18.0	20.0	346.9	322.7	-89.8	0.2
20.0	22.0	352.1	327.9	-89.9	0.1
22.0	24.0	354.7	330.5	-89.9	0.1
24.0	26.0	354.7	330.5	-89.9	0.1
26.0	28.0	348.7	324.5	-89.7	0.3
28.0	30.0	341.3	317.1	-89.6	0.4
30.0	32.0	334.6	310.4	-89.3	0.7
32.0	34.0	328.3	304.1	-89.2	0.8
34.0	36.0	325.8	301.6	-89.2	0.8
36.0	38.0	326.8	302.6	-89.3	0.7
38.0	40.0	326.2	302.0	-89.2	0.8
40.0	42.0	325.4	301.2	-89.1	0.9
42.0	44.0	325.2	301.0	-89.0	1
44.0	46.0	323.8	299.6	-88.9	1.1
46.0	48.0	322.2	298.0	-88.8	1.2
48.0	50.0	321.4	297.2	-88.6	1.4
50.0	52.0	321.9	297.7	-88.9	1.1
52.0	54.0	322.2	298.0	-88.9	1.1
54.0	56.0	321.9	297.7	-88.6	1.4
56.0	58.0	321.3	297.1	-88.2	1.8
58.0	60.0	320.4	296.2	-88.3	1.7
60.0	62.0	319.5	295.3	-88.2	1.8
62.0	64.0	317.6	293.4	-88.1	1.9
64.0	66.0	315.3	291.1	-87.6	2.4
66.0	68.0	312.7	288.5	-87.8	2.2
68.0	70.0	309	284.8	-87.4	2.6
70.0	72.0	305	280.8	-87.3	2.7
72.0	74.0	299.4	275.2	-87.0	3
74.0	76.0	292.3	268.1	-85.8	4.2
76.0	78.0	283.3	259.1	-84.5	5.5
78.0	80.0	271.9	247.7	-83.8	6.2
80.0	82.0	259.3	235.1	-83.1	6.9
82.0	84.0	246.2	222.0	-82.5	7.5
84.0	86.0	236.4	212.2	-82.2	7.8
86.0	88.0	225.8	201.6	-81.0	9
88.0	90.0	216.9	192.7	-80.8	9.2
90.0	92.0	209.5	185.3	-80.4	9.6
92.0	94.0	203.6	179.4	-80.3	9.7
94.0	96.0	199.9	175.7	-80.0	10

Downhole Survey Summary Table

Hole Number: **RHTR 2005-10**

FROM (m)	TO (m)	UTM AZIMUTH (°)	MG AZIMUTH (°)	DIP (°)	SLANT ANGLE (°)
96.0	98.0	197.8	173.6	-79.7	10.3
98.0	100.0	194.9	170.7	-79.1	10.9
100.0	102.0	193.3	169.1	-79.3	10.7
102.0	104.0	191.1	166.9	-78.1	11.9
104.0	106.0	189.8	165.6	-77.6	12.4
106.0	108.0	188.7	164.5	-77.1	12.9
108.0	110.0	187.4	163.2	-76.0	14
110.0	112.0	186	161.8	-73.8	16.2
112.0	114.0	184.8	160.6	-73.4	16.6
114.0	116.0	184.4	160.2	-72.6	17.4
116.0	118.0	184.3	160.1	-72.8	17.2
118.0	120.0	184.4	160.2	-72.4	17.6
120.0	122.0	184.7	160.5	-72.7	17.3
122.0	124.0	185.8	161.6	-72.2	17.8
124.0	126.0	186.8	162.6	-72.5	17.5
126.0	128.0	186.7	162.5	-71.0	19
128.0	130.0	187.5	163.3	-71.0	19
130.0	132.0	187	162.8	-70.5	19.5
132.0	134.0	186.7	162.5	-70.0	20
134.0	136.0	186.5	162.3	-69.7	20.3
136.0	138.0	186.2	162.0	-69.4	20.6
138.0	140.0	185.8	161.6	-68.9	21.1
140.0	142.0	185.4	161.2	-68.3	21.7
142.0	144.0	185	160.8	-68.0	22
144.0	146.0	184.7	160.5	-67.5	22.5
146.0	148.0	185.5	161.3	-66.8	23.2
148.0	150.0	186.8	162.6	-67.0	23
150.0	152.0	188	163.8	-66.8	23.2
152.0	154.0	189.1	164.9	-67.3	22.7
154.0	156.0	190.2	166.0	-66.1	23.9
156.0	158.0	191.2	167.0	-65.7	24.3
158.0	160.0	192.3	168.1	-66.4	23.6
160.0	162.0	193.4	169.2	-66.1	23.9
162.0	164.0	194.3	170.1	-66.4	23.6
164.0	166.0	195.1	170.9	-66.3	23.7
166.0	168.0	195.7	171.5	-66.9	23.1
168.0	170.0	195.8	171.6	-65.8	24.2
170.0	172.0	196.5	172.3	-66.2	23.8
172.0	174.0	196.4	172.2	-66.0	24

Drill Hole Summary Sheet

Hole Number: RHTR 2005-11

Hole Type	Rotary	Survey Instrument / Accuracy	Leica SR530 / 2-5 cm
Collar Elevation (m)	1651.67	Collar Bearing (°)	35
Total Depth (m)	52.42	Hole Angle (°)	65
Length of Casing (m)	9	Date Drilling Complete	Aug 6/2005
Hole Diameter (cm)	11.43 (4.5")	Date Geophys. Logged	Aug 7/2005
Core size (cm)	N/A	Date Core Logged	N/A
NAD 83 UTM Coordinates		Mine Grid Coordinates*	
Northing (m)	Easting (m)	Northing (m)	Easting (m)
6083784.76	630030.14	9603.53	11766.38

Geophysical Data

Gamma - Density	Gamma - Neutron	Exp. Gamma - Density	Deviation	Dipmeter	Dipmeter Deviation	Other	Logging Tools ID
x	x	x	x	x	x	-	9057, 9034,9410

Comments:

Drilling Contractor: Derex Drilling Services Ltd.
 Geophysical Contractor: Century Geophysical Corp.

*Note: Mine Grid Point of Origin at UTM Zone 10 (NAD 83) 608079.06 N, with Rotation of 24.22° East.
 637701.86 E

Drill Hole Summary Sheet

Hole Number: RHTR 2005-12

Hole Type	Rotary	Survey Instrument / Accuracy	Leica SR530 / 2-5 cm	
Collar Elevation (m)	1656.35	Collar Bearing (°)	35	
Total Depth (m)	57.00	Hole Angle (°)	70	
Length of Casing (m)	6.05	Date Drilling Complete	Aug 7/2005	
Hole Diameter (cm)	11.43 (4.5")	Date Geophys. Logged	Aug 19/2005	
Core size (cm)	N/A	Date Core Logged	N/A	
NAD 83 UTM Coordinates		Mine Grid Coordinates*		
Northing (m)	Easting (m)	Northing (m)	Easting (m)	
6083736.53	629999.65	9547.04	11758.35	

Geophysical Data

Gamma - Density	Gamma - Neutron	Exp. Gamma - Density	Deviation	Dipmeter	Dipmeter Deviation	Other	Logging Tools ID
x	x	x	x	x	x	-	9055, 9139, 9410

Comments:

Drilling Contractor: Derex Drilling Services Ltd.
 Geophysical Contractor: Century Geophysical Corp.

Blocked Aug 7, reentered, cleaned and logged Aug 19.

*Note: Mine Grid Point of Origin at UTM Zone 10 (NAD 83) 608079.06 N, with Rotation of 24.22° East.
 637701.86 E

Downhole Survey Summary Table

Hole Number: **RHTR 2005-12**

FROM (m)	TO (m)	UTM AZIMUTH (°)	MG AZIMUTH (°)	DIP (°)	SLANT ANGLE (°)
0.0	20.0	35.0	10.8	-70.0	20.0
20.0	22.0	28.5	4.3	-66.7	23.3
22.0	24.0	29.1	4.9	-66.0	24.0
24.0	26.0	29.7	5.5	-67.6	22.4
26.0	28.0	30.2	6.0	-65.4	24.6
28.0	30.0	30.5	6.3	-64.1	25.9
30.0	32.0	30.8	6.6	-64.3	25.7
32.0	34.0	31.0	6.8	-63.0	27.0
34.0	36.0	31.2	7.0	-62.8	27.2
36.0	38.0	31.4	7.2	-61.7	28.3
38.0	40.0	31.6	7.4	-60.8	29.2
40.0	42.0	31.9	7.7	-60.9	29.1
42.0	44.0	32.1	7.9	-60.1	29.9
44.0	46.0	32.3	8.1	-60.1	29.9
46.0	48.0	32.5	8.3	-59.6	30.4
48.0	50.0	32.7	8.5	-59.3	30.7
50.0	52.0	33.0	8.8	-58.6	31.4
52.0	54.0	33.2	9.0	-58.4	31.6
54.0	56.0	33.4	9.2	-57.8	32.2
56.0	57.0	33.4	9.2	-57.8	32.2

Seam Interval Summary Table

Hole Number: **RHTR 2005-12** Picked by: Ron McIntyre, P.Geo.
Data checked by: Melanie Mackay, G.I.T.

Seam ID	From (m)	To (m)	Interval Thickness (m)	BCN (°)	True Thickness (m)
E2	6.28	7.13	0.85	44	0.61
E3	8.59	9.03	0.44	44	0.32
F	27.01	29.02	2.01	35	1.65

Seam reported by driller, immediately below 6.05m casing.

Drill Hole Summary Sheet

Hole Number: RHTR 2005-13C

Hole Type	Rotary	Survey Instrument / Accuracy	Leica SR530 / 2-5 cm	
Collar Elevation (m)	1627.59	Collar Bearing (°)	Vertical	
Total Depth (m)	252.99	Hole Angle (°)	90	
Length of Casing (m)	3	Date Drilling Complete	Aug 19/2005	
Hole Diameter (cm)	11.43 (4.5")	Date Geophys. Logged	Aug 19/2005	
Core size	HQ	Date Core Logged	Oct 9/2005	
NAD 83 UTM Coordinates		Mine Grid Coordinates*		
Northing (m)	Easting (m)	Northing (m)	Easting (m)	
6083842.06	629764.67	9546.90	11500.76	

Geophysical Data

Gamma - Density	Gamma - Neutron	Exp. Gamma - Density	Deviation	Dipmeter	Dipmeter Deviation	Other	Logging Tools ID
x	x	x	x	x	x	-	9055, 9139, 9410

Comments:

Drilling Contractor: Derex Drilling Services Ltd.
 Geophysical Contractor: Century Geophysical Corp.

Cored D2 seam; 4 major coal seams in G-J interval.

*Note: Mine Grid Point of Origin at UTM Zone 10 (NAD 83) 608079.06 N, with Rotation of 24.22° East.
 637701.86 E

Downhole Survey Summary Table

Hole Number: **RHTR 2005-13C**

FROM (m)	TO (m)	UTM AZIMUTH (°)	MG AZIMUTH (°)	DIP (°)	SLANT ANGLE (°)
0.0	10.0	252.4	228.2	-90.0	0.0
10.0	12.0	254.6	230.4	-89.0	1.0
12.0	14.0	258.8	234.6	-89.3	0.7
14.0	16.0	262.5	238.3	-88.9	1.1
16.0	18.0	264.5	240.3	-88.6	1.4
18.0	20.0	265.9	241.7	-88.6	1.4
20.0	22.0	267.1	242.9	-88.1	1.9
22.0	24.0	267.3	243.1	-87.9	2.1
24.0	26.0	267.1	242.9	-87.8	2.2
26.0	28.0	266.7	242.5	-87.4	2.6
28.0	30.0	264.6	240.4	-86.9	3.1
30.0	32.0	262.0	237.8	-86.3	3.7
32.0	34.0	259.5	235.3	-86.4	3.6
34.0	36.0	257.9	233.7	-86.1	3.9
36.0	38.0	256.4	232.2	-86.7	3.3
38.0	40.0	255.9	231.7	-85.9	4.1
40.0	42.0	254.9	230.7	-85.9	4.1
42.0	44.0	254.5	230.3	-85.8	4.2
44.0	46.0	254.1	229.9	-85.6	4.4
46.0	48.0	254.3	230.1	-85.7	4.3
48.0	50.0	254.3	230.1	-85.1	4.9
50.0	52.0	254.2	230.0	-85.4	4.6
52.0	54.0	254.7	230.5	-85.5	4.5
54.0	56.0	255.0	230.8	-85.3	4.7
56.0	58.0	255.4	231.2	-85.4	4.6
58.0	60.0	255.7	231.5	-85.2	4.8
60.0	62.0	255.9	231.7	-85.2	4.8
62.0	64.0	256.1	231.9	-84.9	5.1
64.0	66.0	256.3	232.1	-84.9	5.1
66.0	68.0	256.5	232.3	-84.5	5.5
68.0	70.0	256.6	232.4	-84.2	5.8
70.0	72.0	256.4	232.2	-83.6	6.4
72.0	74.0	256.2	232.0	-83.2	6.8
74.0	76.0	256.1	231.9	-82.6	7.4
76.0	78.0	255.8	231.6	-82.1	7.9
78.0	80.0	255.5	231.3	-82.2	7.8
80.0	82.0	255.2	231.0	-82.2	7.8
82.0	84.0	254.9	230.7	-82.2	7.8
84.0	86.0	254.7	230.5	-82.1	7.9
86.0	88.0	254.4	230.2	-82.1	7.9
88.0	90.0	254.1	229.9	-81.7	8.3
90.0	92.0	253.7	229.5	-81.4	8.6

Downhole Survey Summary Table

Hole Number: **RHTR 2005-13C**

FROM (m)	TO (m)	UTM AZIMUTH (°)	MG AZIMUTH (°)	DIP (°)	SLANT ANGLE (°)
92.0	94.0	253.3	229.1	-81.1	8.9
94.0	96.0	252.6	228.4	-80.8	9.2
96.0	98.0	252.2	228.0	-80.0	10.0
98.0	100.0	251.9	227.7	-80.2	9.8
100.0	102.0	251.5	227.3	-79.8	10.2
102.0	104.0	251.3	227.1	-79.9	10.1
104.0	106.0	251.1	226.9	-79.8	10.2
106.0	108.0	250.8	226.6	-79.6	10.4
108.0	110.0	250.5	226.3	-79.4	10.6
110.0	112.0	250.1	225.9	-79.3	10.7
112.0	114.0	249.8	225.6	-78.9	11.1
114.0	116.0	249.4	225.2	-78.8	11.2
116.0	118.0	248.9	224.7	-78.6	11.4
118.0	120.0	248.5	224.3	-78.7	11.3
120.0	122.0	248.2	224.0	-78.6	11.4
122.0	124.0	247.8	223.6	-78.7	11.3
124.0	126.0	247.5	223.3	-78.5	11.5
126.0	128.0	247.1	222.9	-78.6	11.4
128.0	130.0	246.7	222.5	-77.9	12.1
130.0	132.0	246.3	222.1	-77.7	12.3
132.0	134.0	245.9	221.7	-77.6	12.4
134.0	136.0	245.5	221.3	-77.4	12.6
136.0	138.0	245.2	221.0	-77.2	12.8
138.0	140.0	244.9	220.7	-77.3	12.7
140.0	142.0	244.5	220.3	-77.2	12.8
142.0	144.0	244.2	220.0	-76.8	13.2
144.0	146.0	243.9	219.7	-76.7	13.3
146.0	148.0	243.6	219.4	-76.7	13.3
148.0	150.0	243.3	219.1	-76.4	13.6
150.0	152.0	243.0	218.8	-76.1	13.9
152.0	154.0	242.6	218.4	-75.8	14.2
154.0	156.0	242.4	218.2	-75.2	14.8
156.0	158.0	242.1	217.9	-70.8	19.2
158.0	160.0	242.0	217.8	-75.9	14.1
160.0	162.0	241.7	217.5	-74.3	15.7
162.0	164.0	241.3	217.1	-74.2	15.8
164.0	166.0	241.0	216.8	-74.3	15.7
166.0	168.0	240.6	216.4	-74.4	15.6
168.0	170.0	240.2	216.0	-74.4	15.6
170.0	172.0	239.9	215.7	-74.5	15.5
172.0	174.0	239.5	215.3	-74.3	15.7
174.0	176.0	239.1	214.9	-74.6	15.4

Downhole Survey Summary Table

Hole Number: **RHTR 2005-13C**

FROM (m)	TO (m)	UTM AZIMUTH (°)	MG AZIMUTH (°)	DIP (°)	SLANT ANGLE (°)
176.0	178.0	238.7	214.5	-74.2	15.8
178.0	180.0	238.3	214.1	-74.2	15.8
180.0	182.0	237.9	213.7	-74.3	15.7
182.0	184.0	237.6	213.4	-74.4	15.6
184.0	186.0	237.3	213.1	-74.4	15.6
186.0	188.0	237.0	212.8	-74.3	15.7
188.0	190.0	236.7	212.5	-74.4	15.6
190.0	192.0	236.4	212.2	-74.3	15.7
192.0	194.0	236.1	211.9	-73.9	16.1
194.0	196.0	235.8	211.6	-73.5	16.5
196.0	198.0	235.5	211.3	-73.1	16.9
198.0	200.0	235.2	211.0	-72.8	17.2
200.0	202.0	234.9	210.7	-72.9	17.1
202.0	204.0	234.7	210.5	-72.9	17.1
204.0	206.0	234.4	210.2	-73.2	16.8
206.0	208.0	234.1	209.9	-71.9	18.1
208.0	210.0	233.9	209.7	-71.8	18.2
210.0	212.0	233.6	209.4	-71.2	18.8
212.0	214.0	233.3	209.1	-71.1	18.9
214.0	216.0	233.1	208.9	-70.9	19.1
216.0	218.0	232.8	208.6	-70.6	19.4
218.0	220.0	232.5	208.3	-70.6	19.4
220.0	222.0	232.3	208.1	-70.3	19.7
222.0	224.0	232.1	207.9	-69.8	20.2
224.0	226.0	231.9	207.7	-69.8	20.2
226.0	228.0	231.7	207.5	-70.0	20.0
228.0	230.0	231.5	207.3	-69.3	20.7
230.0	232.0	231.3	207.1	-69.3	20.7
232.0	234.0	231.1	206.9	-69.4	20.6
234.0	236.0	231.0	206.8	-69.6	20.4
236.0	238.0	230.8	206.6	-69.5	20.5
238.0	240.0	230.6	206.4	-69.5	20.5
240.0	242.0	230.5	206.3	-69.2	20.8
242.0	244.0	230.5	206.3	-72.1	17.9
244.0	246.0	230.2	206.0	-68.3	21.7
246.0	248.0	230.0	205.8	-67.9	22.1
248.0	250.0	230.0	205.8	-67.9	22.1
250.0	252.9	230.0	205.8	-67.9	22.1

Drill Hole Summary Sheet

Hole Number: RHTR 2005-14

Hole Type	Rotary	Survey Instrument / Accuracy	Leica SR530 / 2-5 cm
Collar Elevation (m)	1538.91	Collar Bearing (°)	215
Total Depth (m)	121.92	Hole Angle (°)	60
Length of Casing (m)	3.04	Date Drilling Complete	Aug 22/2005
Hole Diameter (cm)	11.43 (4.5")	Date Geophys. Logged	Aug 25/2005
Core size (cm)	N/A	Date Core Logged	N/A
NAD 83 UTM Coordinates		Mine Grid Coordinates*	
Northing (m)	Easting (m)	Northing (m)	Easting (m)
6083961.36	629537.73	9562.62	11244.86

Geophysical Data

Gamma - Density	Gamma - Neutron	Exp. Gamma - Density	Deviation	Dipmeter	Dipmeter Deviation	Other	Logging Tools ID
x	x	x	x	x	x	-	9057, 9033, 9410

Comments:

Drilling Contractor: Derex Drilling Services Ltd.
 Geophysical Contractor: Century Geophysical Corp.

Hole not sampled

*Note: Mine Grid Point of Origin at UTM Zone 10 (NAD 83) 608079.06 N, with Rotation of 24.22° East.
 637701.86 E

Downhole Survey Summary Table

Hole Number: **RHTR 2005-14**

FROM (m)	TO (m)	UTM AZIMUTH (°)	MG AZIMUTH (°)	DIP (°)	SLANT ANGLE (°)
0.0	30.0	216.0	191.8	-60.0	30.0
30.0	32.0	208.6	184.4	-61.2	28.8
32.0	34.0	209.5	185.3	-59.9	30.1
34.0	36.0	210	185.8	-60.4	29.6
36.0	38.0	210.4	186.2	-58.7	31.3
38.0	40.0	210.5	186.3	-59.3	30.7
40.0	42.0	210.9	186.7	-59.9	30.1
42.0	44.0	211	186.8	-62.9	27.1
44.0	46.0	211.1	186.9	-59.0	31
46.0	48.0	211.1	186.9	-61.8	28.2
48.0	50.0	211.3	187.1	-59.5	30.5
50.0	52.0	211.4	187.2	-60.3	29.7
52.0	54.0	211.5	187.3	-60.8	29.2
54.0	56.0	211.6	187.4	-60.0	30
56.0	58.0	211.8	187.6	-60.0	30
58.0	60.0	212	187.8	-54.5	35.5
60.0	62.0	212.1	187.9	-59.5	30.5
62.0	64.0	212.3	188.1	-60.4	29.6
64.0	66.0	212.5	188.3	-59.9	30.1
66.0	68.0	212.7	188.5	-59.3	30.7
68.0	70.0	212.8	188.6	-59.3	30.7
70.0	72.0	212.9	188.7	-59.1	30.9
72.0	74.0	213	188.8	-58.1	31.9
74.0	76.0	213.1	188.9	-59.0	31
76.0	78.0	213.1	188.9	-56.2	33.8
78.0	80.0	213.2	189.0	-57.9	32.1
80.0	82.0	213.2	189.0	-58.3	31.7
82.0	84.0	213.2	189.0	-58.3	31.7
84.0	86.0	213.2	189.0	-58.3	31.7
86.0	88.0	213.3	189.1	-56.9	33.1
88.0	90.0	213.3	189.1	-57.2	32.8
90.0	92.0	213.4	189.2	-58.8	31.2
92.0	94.0	213.4	189.2	-54.7	35.3
94.0	96.0	213.5	189.3	-54.9	35.1
96.0	98.0	213.6	189.4	-56.0	34
98.0	100.0	213.6	189.4	-56.9	33.1
100.0	102.0	213.6	189.4	-54.7	35.3
102.0	104.0	213.6	189.4	-56.6	33.4
104.0	106.0	213.6	189.4	-48.9	41.1
106.0	108.0	213.6	189.4	-54.4	35.6
108.0	110.0	213.6	189.4	-55.0	35
110.0	112.0	213.6	189.4	-56.6	33.4
112.0	114.0	213.6	189.4	-55.5	34.5
114.0	116.0	213.5	189.3	-55.5	34.5
116.0	118.0	213.4	189.2	-55.8	34.2
118.0	120.0	213.3	189.1	-53.4	36.6
120.0	122.0	213.2	189.0	-51.7	38.3

Indicates suspect azimuth data, values from tool 9410 used.

Seam Interval Summary Table

Picked by: Ron McIntyre, P.Geo.

Hole Number: **RHTR 2005-14**

Data checked by: Melanie Mackay, G.I.T.

Seam ID	From (m)	To (m)	Interval Thickness (m)	BCN (°)	True Thickness (m)
CZ	12.01	13.49	1.48	16	1.42
F bone	23.90	24.42	0.52	30	0.45
F	24.42	25.41	0.99	30	0.86
G bone	95.76	96.05	0.29	15	0.28
G	96.05	100.39	4.34	15	4.19
I	100.87	102.02	1.15	15	1.11
J	104.67	114.70	10.03	15	9.69

Comments: Coal zone is mostly clyst and stoney coal, only 10-20cm clean coal present.

Drill Hole Summary Sheet

Hole Number: RHTR 2005-15

Hole Type	Rotary	Survey Instrument / Accuracy	Leica SR530 / 2-5 cm
Collar Elevation (m)	1538.39	Collar Bearing (°)	215
Total Depth (m)	178.31	Hole Angle (°)	85
Length of Casing (m)	3.04	Date Drilling Complete	Aug 25/2005
Hole Diameter (cm)	11.43 (4.5")	Date Geophys. Logged	Aug 25/2005
Core size (cm)	N/A	Date Core Logged	N/A
NAD 83 UTM Coordinates		Mine Grid Coordinates*	
Northing (m)	Easting (m)	Northing (m)	Easting (m)
6083986.62	629554.04	9556.58	11332.26

Geophysical Data

Gamma - Density	Gamma - Neutron	Exp. Gamma - Density	Deviation	Dipmeter	Dipmeter Deviation	Other	Logging Tools ID
x	x	x	x	x	x	-	9057, 9033, 9410

Comments:

Drilling Contractor: Derex Drilling Services Ltd.
 Geophysical Contractor: Century Geophysical Corp.

Hole not sampled

*Note: Mine Grid Point of Origin at UTM Zone 10 (NAD 83) 608079.06 N, with Rotation of 24.22° East.
 637701.86 E

Downhole Survey Summary Table

Hole Number: **RHTR 2005-15**

FROM (m)	TO (m)	UTM AZIMUTH (°)	MG AZIMUTH (°)	DIP (°)	SLANT ANGLE (°)
0.0	10.0	215.0	190.8	-85.0	4.1
10.0	12.0	216.7	192.5	-85.9	4.1
12.0	14.0	214.6	190.4	-86.3	3.7
14.0	16.0	213.1	188.9	-85.7	4.3
16.0	18.0	212.2	188.0	-86.4	3.6
18.0	20.0	211.3	187.1	-86.3	3.7
20.0	22.0	210.8	186.6	-86.1	3.9
22.0	24.0	210.3	186.1	-86.5	3.5
24.0	26.0	210.0	185.8	-87.3	2.7
26.0	28.0	210.0	185.8	-86.9	3.1
28.0	30.0	209.9	185.7	-86.4	3.6
30.0	32.0	210.1	185.9	-86.8	3.2
32.0	34.0	209.9	185.7	-87.4	2.6
34.0	36.0	210.0	185.8	-87.5	2.5
36.0	38.0	210.1	185.9	-87.7	2.3
38.0	40.0	210.1	185.9	-87.7	2.3
40.0	42.0	210.1	185.9	-88.1	1.9
42.0	44.0	210.1	185.9	-87.8	2.2
44.0	46.0	210.2	186.0	-88.4	1.6
46.0	48.0	210.1	185.9	-88.3	1.7
48.0	50.0	210.0	185.8	-88.4	1.6
50.0	52.0	210.1	185.9	-87.8	2.2
52.0	54.0	210.0	185.8	-88.7	1.3
54.0	56.0	210.0	185.8	-87.9	2.1
56.0	58.0	210.0	185.8	-88.4	1.6
58.0	60.0	210.2	186.0	-88.1	1.9
60.0	62.0	210.3	186.1	-88.0	2.0
62.0	64.0	210.5	186.3	-88.2	1.8
64.0	66.0	210.6	186.4	-88.0	2.0
66.0	68.0	210.9	186.7	-88.5	1.5
68.0	70.0	211.1	186.9	-88.3	1.7
70.0	72.0	211.4	187.2	-88.4	1.6
72.0	74.0	211.5	187.3	-88.5	1.5
74.0	76.0	211.5	187.3	-87.9	2.1
76.0	78.0	211.5	187.3	-88.2	1.8
78.0	80.0	211.5	187.3	-88.8	1.2
80.0	82.0	211.3	187.1	-88.7	1.3
82.0	84.0	210.9	186.7	-89.0	1.0
84.0	86.0	210.7	186.5	-87.2	2.8
86.0	88.0	210.4	186.2	-89.2	0.8
88.0	90.0	210.0	185.8	-89.3	0.7
90.0	92.0	209.8	185.6	-89.7	0.3

Downhole Survey Summary Table

Hole Number: **RHTR 2005-15**

FROM (m)	TO (m)	UTM AZIMUTH (°)	MG AZIMUTH (°)	DIP (°)	SLANT ANGLE (°)
Indicates suspect azimuth data, values from tool 9410 used.					
92.0	94.0	209.4	185.2	-88.8	1.2
94.0	96.0	209.1	184.9	-88.5	1.5
96.0	98.0	208.6	184.4	-88.0	2.0
98.0	100.0	208.2	184.0	-85.9	4.1
100.0	102.0	207.9	183.7	-88.1	1.9
102.0	104.0	207.5	183.3	-88.0	2.0
104.0	106.0	207.3	183.1	-87.9	2.1
106.0	108.0	207.0	182.8	-87.8	2.2
108.0	110.0	206.8	182.6	-87.8	2.2
110.0	112.0	206.6	182.4	-88.0	2.0
112.0	114.0	206.4	182.2	-87.7	2.3
114.0	116.0	206.2	182.0	-87.6	2.4
116.0	118.0	206.0	181.8	-87.6	2.4
118.0	120.0	205.9	181.7	-87.2	2.8
120.0	122.0	205.8	181.6	-87.0	3.0
122.0	124.0	205.7	181.5	-86.2	3.8
124.0	126.0	205.5	181.3	-86.2	3.8
126.0	128.0	205.4	181.2	-86.5	3.5
128.0	130.0	205.3	181.1	-86.1	3.9
130.0	132.0	205.1	180.9	-85.8	4.2
132.0	134.0	205.0	180.8	-85.8	4.2
134.0	136.0	205.0	180.8	-85.3	4.7
136.0	138.0	205.0	180.8	-85.6	4.4
138.0	140.0	204.6	180.4	-85.1	4.9
140.0	142.0	204.1	179.9	-85.0	5.0
142.0	144.0	203.3	179.1	-85.1	4.9
144.0	146.0	202.8	178.6	-84.9	5.1
146.0	148.0	201.7	177.5	-84.3	5.7
148.0	150.0	198.2	174.0	-84.3	5.7
150.0	152.0	189.5	165.3	-83.4	6.6
152.0	154.0	155.8	131.6	-83.3	6.7
154.0	156.0	79.8	55.6	-82.9	7.1
156.0	158.0	56.6	32.4	-82.1	7.9
158.0	160.0	49.0	24.8	-82.1	7.9
160.0	162.0	45.9	21.7	-81.1	8.9
162.0	164.0	44.7	20.5	-80.8	9.2
164.0	166.0	44.0	19.8	-81.0	9.0
166.0	168.0	43.5	19.3	-80.4	9.6
168.0	170.0	43.3	19.1	-80.9	9.1
170.0	172.0	42.9	18.7	-80.6	9.4
172.0	174.0	42.8	18.6	-79.7	10.3

Downhole Survey Summary Table

Hole Number: **RHTR 2005-15**

FROM (m)	TO (m)	UTM AZIMUTH (°)	MG AZIMUTH (°)	DIP (°)	SLANT ANGLE (°)
174.0	176.0	42.8	18.6	-79.8	10.2
176.0	178.30	43.2	19.0	-79.4	10.6

Drill Hole Summary Sheet

Hole Number: RHTR 2005-15

Hole Type	Rotary	Survey Instrument / Accuracy	Leica SR530 / 2-5 cm
Collar Elevation (m)	1538.39	Collar Bearing (°)	215
Total Depth (m)	178.31	Hole Angle (°)	85
Length of Casing (m)	3.04	Date Drilling Complete	Aug 25/2005
Hole Diameter (cm)	11.43 (4.5")	Date Geophys. Logged	Aug 25/2005
Core size (cm)	N/A	Date Core Logged	N/A
NAD 83 UTM Coordinates		Mine Grid Coordinates*	
Northing (m)	Easting (m)	Northing (m)	Easting (m)
6083986.62	629554.04	9556.58	11332.26

Geophysical Data

Gamma - Density	Gamma - Neutron	Exp. Gamma - Density	Deviation	Dipmeter	Dipmeter Deviation	Other	Logging Tools ID
x	x	x	x	x	x	-	9057, 9033, 9410

Comments:

Drilling Contractor: Derex Drilling Services Ltd.
 Geophysical Contractor: Century Geophysical Corp.

Hole not sampled

*Note: Mine Grid Point of Origin at UTM Zone 10 (NAD 83) 608079.06 N, with Rotation of 24.22° East.
 637701.86 E

Downhole Survey Summary Table

Hole Number: **RHTR 2005-15**

FROM (m)	TO (m)	UTM AZIMUTH (°)	MG AZIMUTH (°)	DIP (°)	SLANT ANGLE (°)
0.0	10.0	215.0	190.8	-85.0	4.1
10.0	12.0	216.7	192.5	-85.9	4.1
12.0	14.0	214.6	190.4	-86.3	3.7
14.0	16.0	213.1	188.9	-85.7	4.3
16.0	18.0	212.2	188.0	-86.4	3.6
18.0	20.0	211.3	187.1	-86.3	3.7
20.0	22.0	210.8	186.6	-86.1	3.9
22.0	24.0	210.3	186.1	-86.5	3.5
24.0	26.0	210.0	185.8	-87.3	2.7
26.0	28.0	210.0	185.8	-86.9	3.1
28.0	30.0	209.9	185.7	-86.4	3.6
30.0	32.0	210.1	185.9	-86.8	3.2
32.0	34.0	209.9	185.7	-87.4	2.6
34.0	36.0	210.0	185.8	-87.5	2.5
36.0	38.0	210.1	185.9	-87.7	2.3
38.0	40.0	210.1	185.9	-87.7	2.3
40.0	42.0	210.1	185.9	-88.1	1.9
42.0	44.0	210.1	185.9	-87.8	2.2
44.0	46.0	210.2	186.0	-88.4	1.6
46.0	48.0	210.1	185.9	-88.3	1.7
48.0	50.0	210.0	185.8	-88.4	1.6
50.0	52.0	210.1	185.9	-87.8	2.2
52.0	54.0	210.0	185.8	-88.7	1.3
54.0	56.0	210.0	185.8	-87.9	2.1
56.0	58.0	210.0	185.8	-88.4	1.6
58.0	60.0	210.2	186.0	-88.1	1.9
60.0	62.0	210.3	186.1	-88.0	2.0
62.0	64.0	210.5	186.3	-88.2	1.8
64.0	66.0	210.6	186.4	-88.0	2.0
66.0	68.0	210.9	186.7	-88.5	1.5
68.0	70.0	211.1	186.9	-88.3	1.7
70.0	72.0	211.4	187.2	-88.4	1.6
72.0	74.0	211.5	187.3	-88.5	1.5
74.0	76.0	211.5	187.3	-87.9	2.1
76.0	78.0	211.5	187.3	-88.2	1.8
78.0	80.0	211.5	187.3	-88.8	1.2
80.0	82.0	211.3	187.1	-88.7	1.3
82.0	84.0	210.9	186.7	-89.0	1.0
84.0	86.0	210.7	186.5	-87.2	2.8
86.0	88.0	210.4	186.2	-89.2	0.8
88.0	90.0	210.0	185.8	-89.3	0.7
90.0	92.0	209.8	185.6	-89.7	0.3

Downhole Survey Summary Table

Hole Number: **RHTR 2005-15**

FROM (m)	TO (m)	UTM AZIMUTH (°)	MG AZIMUTH (°)	DIP (°)	SLANT ANGLE (°)
Indicates suspect azimuth data, values from tool 9410 used.					
92.0	94.0	209.4	185.2	-88.8	1.2
94.0	96.0	209.1	184.9	-88.5	1.5
96.0	98.0	208.6	184.4	-88.0	2.0
98.0	100.0	208.2	184.0	-85.9	4.1
100.0	102.0	207.9	183.7	-88.1	1.9
102.0	104.0	207.5	183.3	-88.0	2.0
104.0	106.0	207.3	183.1	-87.9	2.1
106.0	108.0	207.0	182.8	-87.8	2.2
108.0	110.0	206.8	182.6	-87.8	2.2
110.0	112.0	206.6	182.4	-88.0	2.0
112.0	114.0	206.4	182.2	-87.7	2.3
114.0	116.0	206.2	182.0	-87.6	2.4
116.0	118.0	206.0	181.8	-87.6	2.4
118.0	120.0	205.9	181.7	-87.2	2.8
120.0	122.0	205.8	181.6	-87.0	3.0
122.0	124.0	205.7	181.5	-86.2	3.8
124.0	126.0	205.5	181.3	-86.2	3.8
126.0	128.0	205.4	181.2	-86.5	3.5
128.0	130.0	205.3	181.1	-86.1	3.9
130.0	132.0	205.1	180.9	-85.8	4.2
132.0	134.0	205.0	180.8	-85.8	4.2
134.0	136.0	205.0	180.8	-85.3	4.7
136.0	138.0	205.0	180.8	-85.6	4.4
138.0	140.0	204.6	180.4	-85.1	4.9
140.0	142.0	204.1	179.9	-85.0	5.0
142.0	144.0	203.3	179.1	-85.1	4.9
144.0	146.0	202.8	178.6	-84.9	5.1
146.0	148.0	201.7	177.5	-84.3	5.7
148.0	150.0	198.2	174.0	-84.3	5.7
150.0	152.0	189.5	165.3	-83.4	6.6
152.0	154.0	155.8	131.6	-83.3	6.7
154.0	156.0	79.8	55.6	-82.9	7.1
156.0	158.0	56.6	32.4	-82.1	7.9
158.0	160.0	49.0	24.8	-82.1	7.9
160.0	162.0	45.9	21.7	-81.1	8.9
162.0	164.0	44.7	20.5	-80.8	9.2
164.0	166.0	44.0	19.8	-81.0	9.0
166.0	168.0	43.5	19.3	-80.4	9.6
168.0	170.0	43.3	19.1	-80.9	9.1
170.0	172.0	42.9	18.7	-80.6	9.4
172.0	174.0	42.8	18.6	-79.7	10.3

Downhole Survey Summary Table

Hole Number: **RHTR 2005-15**

FROM (m)	TO (m)	UTM AZIMUTH (°)	MG AZIMUTH (°)	DIP (°)	SLANT ANGLE (°)
174.0	176.0	42.8	18.6	-79.8	10.2
176.0	178.30	43.2	19.0	-79.4	10.6

Seam Interval Summary Table

Hole Number: **RHTR 2005-15**

Picked by: Ron McIntyre, P.Geo.
Data checked by: Melanie Mackay, G.I.T.

Seam ID	From (m)	To (m)	Interval Thickness (m)	BCN (°)	True Thickness (m)
CZ	33.72	34.13	0.41	37	0.33
E1a	34.76	35.36	0.60	42	0.45
E1b	35.91	37.02	1.11	42	0.82
E2	38.86	40.26	1.40	42	1.04
E3	41.70	42.33	0.63	42	0.47
F	79.53	79.78	0.25	31	0.21
G bone	150.43	150.73	0.30	8	0.30
G	151.19	155.83	4.64	8	4.59
I	156.84	157.60	0.76	32	0.64
J	159.88	169.21	9.33	41	7.04

Comments: E1 includes clyst parting, 35.36-35.91m
F seam nearly absent, represented by thin carb clyst zone.

Drill Hole Summary Sheet

Hole Number: RHTR 2005-16

Hole Type	Rotary	Survey Instrument / Accuracy	Leica SR530 / 2-5 cm
Collar Elevation (m)	1459.71	Collar Bearing (°)	215
Total Depth (m)	64.01	Hole Angle (°)	50
Length of Casing (m)	9	Date Drilling Complete	Aug 27/2005
Hole Diameter (cm)	11.43 (4.5")	Date Geophys. Logged	Sept 20/2005
Core size (cm)	N/A	Date Core Logged	N/A
NAD 83 UTM Coordinates		Mine Grid Coordinates*	
Northing (m)	Easting (m)	Northing (m)	Easting (m)
6084060.90	629365.72	9582.84	11047.16

Geophysical Data

Gamma - Density	Gamma - Neutron	Exp. Gamma - Density	Deviation	Dipmeter	Dipmeter Deviation	Other	Logging Tools ID
x	x	x	x	-	-	-	9055, 9139

Comments:

Drilling Contractor: Derex Drilling Services Ltd.
 Geophysical Contractor: Century Geophysical Corp.

Hole making water. Hole cleaned out Sept 7, logged Sept 20.

Hole not sampled.

*Note: Mine Grid Point of Origin at UTM Zone 10 (NAD 83) 608079.06 N, with Rotation of 24.22° East.
 637701.86 E

Downhole Survey Summary Table

Hole Number: **RHTR 2001-16**

FROM (m)	TO (m)	UTM AZIMUTH (°)	MG AZIMUTH (°)	DIP (°)	SLANT ANGLE (°)
0.0	20.0	214	189.8	-50.0	40.0
20.0	22.0	214	189.8	-48.3	41.7
22.0	24.0	214	189.8	-47.6	42.4
24.0	26.0	214	189.8	-47.4	42.6
26.0	28.0	214	189.8	-46.8	43.2
28.0	30.0	214	189.8	-46.9	43.1
30.0	32.0	214	189.8	-46.5	43.5
32.0	34.0	214	189.8	-46.6	43.4
34.0	36.0	214	189.8	-46.1	43.9
36.0	38.0	214	189.8	-46.3	43.7
38.0	40.0	214	189.8	-46.1	43.9
40.0	42.0	214	189.8	-46.5	43.5
42.0	44.0	214	189.8	-46.6	43.4
44.0	46.0	214	189.8	-46.8	43.2
46.0	48.0	214	189.8	-47.0	43.0
48.0	50.0	214	189.8	-46.8	43.2
50.0	52.0	214	189.8	-47.0	43.0
52.0	54.0	214	189.8	-45.9	44.1
54.0	56.0	214	189.8	-46.6	43.4
56.0	58.0	214	189.8	-45.3	44.7
58.0	64.0	214	189.8	-45.0	45.0

Indicates suspect azimuth data, values from tool 9410 used.

Drill Hole Summary Sheet

Hole Number: RHTR 2005-17

Hole Type	Rotary	Survey Instrument / Accuracy	Leica SR530 / 2-5 cm
Collar Elevation (m)	1457.22	Collar Bearing (°)	Vertical
Total Depth (m)	121.92	Hole Angle (°)	90
Length of Casing (m)	9	Date Drilling Complete	Sept 5/2005
Hole Diameter (cm)	11.43 (4.5")	Date Geophys. Logged	Not Logged in 2005
Core size (cm)	N/A	Date Core Logged	N/A
NAD 83 UTM Coordinates		Mine Grid Coordinates*	
Northing (m)	Easting (m)	Northing (m)	Easting (m)
6084101.45	629381.77	9626.41	11045.16

Geophysical Data

Gamma - Density	Gamma - Neutron	Exp. Gamma - Density	Deviation	Dipmeter	Dipmeter Deviation	Other	Logging Tools ID
-	-	-	-	-	-	-	-

Comments:

Drilling Contractor: Derex Drilling Services Ltd.
 Geophysical Contractor: N/A

Hole making water. Swelling clay closed hole, reamed Sept 7, closed again 1 hour later.
 Planning geophysical as part of 2006 program.

Hole not sampled.

*Note: Mine Grid Point of Origin at UTM Zone 10 (NAD 83) 608079.06 N, with Rotation of 24.22° East.
 637701.86 E

Drill Hole Summary Sheet

Hole Number: RHTR 2005-18

Hole Type	Rotary	Survey Instrument / Accuracy	Leica SR530 / 2-5 cm
Collar Elevation (m)	1454.63	Collar Bearing (°)	35
Total Depth (m)	42.67	Hole Angle (°)	60
Length of Casing (m)	9.14	Date Drilling Complete	Sept 7/2005
Hole Diameter (cm)	11.43 (4.5")	Date Geophys. Logged	Sept 7/2005
Core size (cm)	N/A	Date Core Logged	N/A
NAD 83 UTM Coordinates		Mine Grid Coordinates*	
Northing (m)	Easting (m)	Northing (m)	Easting (m)
6084146.06	629392.46	9671.48	11036.61

Geophysical Data

Gamma - Density	Gamma - Neutron	Exp. Gamma - Density	Deviation	Dipmeter	Dipmeter Deviation	Other	Logging Tools ID
x	x	x	x	x	x	-	9055, 9139, 9410

Comments:

Drilling Contractor: Derex Drilling Services Ltd.
 Geophysical Contractor: Century Geophysical Corp.

Hole making water.

Hole not sampled.

*Note: Mine Grid Point of Origin at UTM Zone 10 (NAD 83) 608079.06 N, with Rotation of 24.22° East.
 637701.86 E

Drill Hole Summary Sheet

Hole Number: RHTR 2005-19

Hole Type	Rotary	Survey Instrument / Accuracy	Leica SR530 / 2-5 cm
Collar Elevation (m)	1437.10	Collar Bearing (°)	215
Total Depth (m)	85.35	Hole Angle (°)	60
Length of Casing (m)	9	Date Drilling Complete	Sept 10/2005
Hole Diameter (cm)	11.43 (4.5")	Date Geophys. Logged	Not Logged in 2005
Core size (cm)	N/A	Date Core Logged	N/A
NAD 83 UTM Coordinates		Mine Grid Coordinates*	
Northing (m)	Easting (m)	Northing (m)	Easting (m)
6084232.16	629147.94	9649.70	10778.29

Geophysical Data

Gamma - Density	Gamma - Neutron	Exp. Gamma - Density	Deviation	Dipmeter	Dipmeter Deviation	Other	Logging Tools ID
-	-	-	-	-	-	-	-

Comments:

Drilling Contractor: Derex Drilling Services Ltd.
 Geophysical Contractor: N/A

Hole blocked, cleaned out Sept 20, blocked again immediately.
 Planning geophysical as part of 2006 program.

Hole not sampled.

*Note: Mine Grid Point of Origin at UTM Zone 10 (NAD 83) 608079.06 N, with Rotation of 24.22° East.
 637701.86 E

Drill Hole Summary Sheet

Hole Number: RHTR 2005-20

Hole Type	Rotary	Survey Instrument / Accuracy	Leica SR530 / 2-5 cm
Collar Elevation (m)	1435.66	Collar Bearing (°)	Vertical
Total Depth (m)	109.72	Hole Angle (°)	90
Length of Casing (m)	9	Date Drilled	Sept 13/2005
Hole Diameter (cm)	11.43 (4.5")	Date Geophys. Logged	Not Logged in 2005
Core size (cm)	N/A	Date Core Logged	N/A
NAD 83 UTM Coordinates		Mine Grid Coordinates*	
Northing (m)	Easting (m)	Northing (m)	Easting (m)
6084259.07	629162.73	9649.70	10778.29

Geophysical Data

Gamma - Density	Gamma - Neutron	Exp. Gamma - Density	Deviation	Dipmeter	Dipmeter Deviation	Other	Logging Tools ID
-	-	-	-	-	-	-	-

Comments:

Drilling Contractor: Derex Drilling Services Ltd.
 Geophysical Contractor: N/A

Hole cased to 18.2 m (60ft) because of loose gravel 45-50', then drilled through G/J. Hole half filled by Sept 15.
 Cleaned out to 76.2 m (250 ft) Sept 19.
 Tried to extend casing Sept 20 but Odex casing shoe broke off bottom of pipe at 19.2 m (60ft).
 Planning geophysical as part of 2006 program.

Hole not sampled.

*Note: Mine Grid Point of Origin at UTM Zone 10 (NAD 83) 608079.06 N, with Rotation of 24.22° East.
 637701.86 E

Drill Hole Summary Sheet

Hole Number: RHTR 2005-21

Hole Type	Rotary	Survey Instrument / Accuracy	Leica SR530 / 2-5 cm
Collar Elevation (m)	1436.02	Collar Bearing (°)	35
Total Depth (m)	51.21	Hole Angle (°)	60
Length of Casing (m)	9.4	Date Drilling Complete	Sept 19/2005
Hole Diameter (cm)	11.43 (4.5")	Date Geophys. Logged	Not Logged in 2005
Core size (cm)	N/A	Date Core Logged	N/A
NAD 83 UTM Coordinates		Mine Grid Coordinates*	
Northing (m)	Easting (m)	Northing (m)	Easting (m)
6084293.77	629184.62	9720.94	10786.47

Geophysical Data

Gamma - Density	Gamma - Neutron	Exp. Gamma - Density	Deviation	Dipmeter	Dipmeter Deviation	Other	Logging Tools ID
-	-	-	-	-	-	-	-

Comments:

Drilling Contractor: Derex Drilling Services Ltd.
 Geophysical Contractor: N/A

Hole blocked Sept 20, swelling clay below casing; loose gravel 48.8-51.2 m (160-168'). No coal encountered. Planning geophysical as part of 2006 program.

Hole not sampled.

*Note: Mine Grid Point of Origin at UTM Zone 10 (NAD 83) 608079.06 N, with Rotation of 24.22° East.
 637701.86 E

Drill Hole Summary Sheet

Hole Number: RHTR 2005-22

Hole Type	Rotary	Survey Instrument / Accuracy	Leica SR530 / >1 m
Collar Elevation (m)	1537.83	Collar Bearing (°)	35
Total Depth (m)	100.58	Hole Angle (°)	70
Length of Casing (m)	3	Date Drilling Complete	Sept 21/2005
Hole Diameter (cm)	11.43 (4.5")	Date Geophys. Logged	Not Logged in 2005
Core size (cm)	N/A	Date Core Logged	N/A
NAD 83 UTM Coordinates		Mine Grid Coordinates*	
Northing (m)	Easting (m)	Northing (m)	Easting (m)
6084004.16	629564.74	9612.73	11251.94

Geophysical Data

Gamma - Density	Gamma - Neutron	Exp. Gamma - Density	Deviation	Dipmeter	Dipmeter Deviation	Other	Logging Tools ID
-	-	-	-	-	-	-	-

Comments:

Drilling Contractor: Derex Drilling Services Ltd.
 Geophysical Contractor: N/A

Hole blocked Sept 24.
 Survey accuracy compromised by unfavourable satellite positioning and tree cover.
 Planning geophysical as part of 2006 program.

Hole not sampled.

*Note: Mine Grid Point of Origin at UTM Zone 10 (NAD 83) 608079.06 N, with Rotation of 24.22° East.
 637701.86 E

Drill Hole Summary Sheet

Hole Number: RHTR 2005-23

Hole Type	Rotary	Survey Instrument / Accuracy	Leica SR530 / 2-5 cm
Collar Elevation (m)	1604.44	Collar Bearing (°)	215
Total Depth (m)	27.43	Hole Angle (°)	65
Length of Casing (m)	3.05	Date Drilling Complete	Sept 22/2005
Hole Diameter (cm)	11.43 (4.5")	Date Geophys. Logged	Sept 24/2005
Core size (cm)	N/A	Date Core Logged	N/A
NAD 83 UTM Coordinates		Mine Grid Coordinates*	
Northing (m)	Easting (m)	Northing (m)	Easting (m)
6083693.18	629654.33	9365.86	11461.20

Geophysical Data

Gamma - Density	Gamma - Neutron	Exp. Gamma - Density	Deviation	Dipmeter	Dipmeter Deviation	Other	Logging Tools ID
x	x	x	x	-	-	-	9055, 9139, 9410

Comments:

Drilling Contractor: Derex Drilling Services Ltd.
 Geophysical Contractor: Century Geophysical Corp.

Hole not sampled.

*Note: Mine Grid Point of Origin at UTM Zone 10 (NAD 83) 608079.06 N, with Rotation of 24.22° East.
 637701.86 E

Drill Hole Summary Sheet

Hole Number: RHTR 2005-24

Hole Type	Rotary	Survey Instrument / Accuracy	Leica SR530 / 2-5 cm
Collar Elevation (m)	1631.26	Collar Bearing (°)	215
Total Depth (m)	158.49	Hole Angle (°)	60
Length of Casing (m)	3	Date Drilled	Oct 1/2005
Hole Diameter (cm)	11.43 (4.5")	Date Geophys. Logged	Oct 1/2005
Core size (cm)	N/A	Date Core Logged	N/A
NAD 83 UTM Coordinates		Mine Grid Coordinates*	
Northing (m)	Easting (m)	Northing (m)	Easting (m)
6083792.56	629736.18	9490.07	11495.08

Geophysical Data

Gamma - Density	Gamma - Neutron	Exp. Gamma - Density	Deviation	Dipmeter	Dipmeter Deviation	Other	Logging Tools ID
x	x	x	x	x	x	-	9057, 9139, 9410

Comments:

Drilling Contractor: Derex Drilling Services Ltd.
 Geophysical Contractor: Century Geophysical Corp.

Hole not sampled.

*Note: Mine Grid Point of Origin at UTM Zone 10 (NAD 83) 608079.06 N, with Rotation of 24.22° East.
 637701.86 E

Downhole Survey Summary Table

Hole Number: **RHTR 2005-24**

FROM (m)	TO (m)	UTM AZIMUTH (°)	MG AZIMUTH (°)	DIP (°)	SLANT ANGLE (°)
0.0	20.0	215.0	190.8	-60.0	30.0
20.0	22.0	219.2	195.0	-67.2	22.8
22.0	24.0	218.7	194.5	-67.1	22.9
24.0	26.0	218.4	194.2	-67.5	22.5
26.0	28.0	218.2	194.0	-67.6	22.4
28.0	30.0	218.3	194.1	-67.7	22.3
30.0	32.0	218.4	194.2	-68.1	21.9
32.0	34.0	218.3	194.1	-67.9	22.1
34.0	36.0	218	193.8	-68.1	21.9
36.0	38.0	217.7	193.5	-67.7	22.3
38.0	40.0	216.7	192.5	-67.0	23
40.0	42.0	217.1	192.9	-67.1	22.9
42.0	44.0	217.6	193.4	-67.2	22.8
44.0	46.0	218.2	194.0	-67.4	22.6
46.0	48.0	218.7	194.5	-66.6	23.4
48.0	50.0	218.9	194.7	-66.7	23.3
50.0	52.0	219.4	195.2	-67.9	22.1
52.0	54.0	220.1	195.9	-66.8	23.2
54.0	56.0	220.7	196.5	-67.1	22.9
56.0	58.0	221.3	197.1	-67.0	23
58.0	60.0	221.8	197.6	-67.3	22.7
60.0	62.0	222.2	198.0	-67.0	23
62.0	64.0	222.5	198.3	-67.4	22.6
64.0	66.0	222.8	198.6	-68.0	22
66.0	68.0	222.8	198.6	-67.2	22.8
68.0	70.0	223	198.8	-66.6	23.4
70.0	72.0	223.1	198.9	-67.0	23
72.0	74.0	223.5	199.3	-67.8	22.2
74.0	76.0	223.4	199.2	-67.7	22.3
76.0	78.0	223.8	199.6	-67.9	22.1
78.0	80.0	223.9	199.7	-67.1	22.9
80.0	82.0	224	199.8	-68.7	21.3
82.0	84.0	224	199.8	-68.2	21.8
84.0	86.0	223.5	199.3	-67.2	22.8
86.0	88.0	223.4	199.2	-67.3	22.7
88.0	90.0	223.2	199.0	-67.3	22.7
90.0	92.0	223	198.8	-67.5	22.5
92.0	94.0	223.2	199.0	-65.4	24.6
94.0	96.0	223.1	198.9	-67.0	23
96.0	98.0	223.3	199.1	-65.8	24.2
98.0	100.0	223.4	199.2	-65.4	24.6
100.0	102.0	223.4	199.2	-64.9	25.1

Downhole Survey Summary Table

Hole Number: **RHTR 2005-24**

FROM (m)	TO (m)	UTM AZIMUTH (°)	MG AZIMUTH (°)	DIP (°)	SLANT ANGLE (°)
102.0	104.0	223.4	199.2	-65.2	24.8
104.0	106.0	223.6	199.4	-65.3	24.7
106.0	108.0	223.5	199.3	-64.8	25.2
108.0	110.0	223.6	199.4	-64.6	25.4
110.0	112.0	223.3	199.1	-63.6	26.4
112.0	114.0	223	198.8	-63.0	27
114.0	116.0	222.5	198.3	-62.4	27.6
116.0	118.0	222	197.8	-61.9	28.1
118.0	120.0	221.5	197.3	-61.1	28.9
120.0	122.0	221	196.8	-60.2	29.8
122.0	124.0	220.9	196.7	-60.0	30
124.0	126.0	220.5	196.3	-59.9	30.1
126.0	128.0	220.5	196.3	-59.6	30.4
128.0	130.0	220.5	196.3	-59.6	30.4
130.0	132.0	220.8	196.6	-60.9	29.1
132.0	134.0	221.1	196.9	-60.7	29.3
134.0	136.0	221.4	197.2	-60.6	29.4
136.0	138.0	221.6	197.4	-61.2	28.8
138.0	140.0	221.8	197.6	-60.4	29.6
140.0	142.0	221.9	197.7	-60.1	29.9
142.0	144.0	221.8	197.6	-60.8	29.2
144.0	146.0	221.8	197.6	-59.3	30.7
146.0	148.0	221.9	197.7	-59.5	30.5
148.0	150.0	221.5	197.3	-59.0	31
150.0	152.0	221.4	197.2	-59.0	31
152.0	154.0	221.5	197.3	-58.6	31.4
154.0	156.0	221.1	196.9	-56.5	33.5
156.0	158.49	221	196.8	-58.2	31.8

Appendix B

Core Log RHTR-2005-13C

Appendix B
Core Log RHTR-2005-13C

p1

Hole No: RHTR2005-13C
Northing: 6083842.05
Easting: 629764.67

Bearing Vertical
Plunge:
Logged by: R.F. McIntyre

Elevation: 1627.58

Date: October 9, 2005

UTM System NAD 83 UTM Zone: 11

Box no.	Marker Driller (ft/m)	Interval (m)		Length (m)	Lost (m)	BCN	Sample No.	Core Quality	Lith Code	Description
		From	To							
1										Hole cased to 10ft (3.05m); core point at 180 ft (54.86m).
"	180/ 54.86m	54.57								Top of Box #1
"		54.57	54.93	0.36				solid	clyst	Dark grey-brown with grey, silty laminae - disturbed and high-angle to core axis.
"		54.93	56.57	1.64				solid	clyst	Dark grey-brown, generally massive, somewhat silty. Occnl frx J^CA 50-55°. No fizz. Siltyness decreases over lower 50cm.
"		56.57	56.67	0.10				solid	clyst	As above, top surface is carb parting J^CA 85°. Not silty.
"		56.67	56.74		0.07					Rock loss.
"		56.74	56.77	0.03				solid	clyst	As above.
"		56.77	57.24	0.47			18601	v bkn	clyst	Dark grey-brown, massive, softer than units above. Roof sample 57.14-57.24.
"		57.24								Top of D2 seam.
"		57.24	57.27	0.03		61 ^o	18602	solid	coal	Dull. Top contact intact, top 1cm is a laminated, somewhat clayey contact zone.
"		57.27	57.40	0.13			"	solid	coal	Dull.
"		57.40	57.47	0.07			"	solid	coal	Dull, flakey, some polished surfaces.
"		57.47								Top of Box #2
"		57.47	57.62	0.15			"	solid	coal	Dull.
"	190/ 57.91m	57.62								
"		57.62	57.72	0.10			"	bkn	coal	Dull.

2		57.72	57.76	0.04			"	crushed	coal	Dull. Sample interval 57.24-57.83m.
"		57.76	57.83		0.07		"			Coal loss.
"		57.83	57.87	0.04			18603	bkn	clyst	Dark grey-brown, somewhat carbonaceous. Contact broken.
"		57.87	57.96		0.09		"			Rock loss.
"		57.96	58.01	0.05			"	v bkn	clyst	As above, mixed with some powdered coal.
"		58.01	58.34		0.33		18604			Coal loss.
"		58.34	58.70	0.36			"	solid	coal	Dull. Traces of pyrite on cleat surfaces.
"		58.70	58.72	0.02			"	solid	coal	Boney, hard.
"		58.72	59.13	0.41			"	solid	coal	Dull. Traces of pyrite on cleat surfaces.
"		59.13	59.37	0.24			"	solid	coal	Dull. Slightly sheared with occasional clay on surfaces. Sample interval 58.01-59.37m.
"		59.37	59.64		0.27		18605			Coal loss.
"		59.64	59.68	0.04			"	v bkn	coal	Dull, as above.
"		59.68	59.79	0.11			"	solid	coal	Dull.
"		59.79	60.06	0.27			"	intact	coal	Dull, very uniform, crumbly.
"		60.06	60.19	0.13			"	solid	coal	Dull, occasional trace of prite on cleats.
"		60.19	60.46	0.27			"	solid	coal	Dull to dull-banded, occasional trace of pyrite on cleats.
"		60.46	60.54	0.08			"	intact	coal	Dull, trace of clay on cleats.
"		60.54	60.67	0.13			"	intact	coal	Dull, sheared, soft flakes. Sample interval 59.37-60.67m.
"	200'/ 60.96m	60.67								
"		60.67	62.85		2.18					Coal loss.
"		62.85	62.93	0.08			18606	broken	coal	Dull, hard.
"		62.93	63.16	0.23			"	intact	coal	Dull, slightly sheared, a few bright bands. Sample interval 62.85-63.16m.
"	210'/ 64.01m	63.16								
"		63.16	63.72		0.56					Coal loss.
"										Top of Box #3. Hole slouged in 4ft, next run started at 206'.
"	206'/ 62.79m									
"		63.72	63.87		0.15					Coal loss.
"		63.87	63.90	0.03			18607	broken	coal	Dull, fragments of coal rubble.

DEPTH (m)	Box #	Marker ID (m)	Lithology Column	Coal Seam	Coal Sample ID	From (m)	To (m)	Interval (m)	INTERVAL DESCRIPTION	Core Quality	BCN (°)	Acid Test
55.00						54.57	54.93	0.36	CLAYSTONE: dark grey-brown with grey, silty laminae - disturbed and high-angle to core axis.	Solid		
55.50						54.93	56.57	1.64	CLAYSTONE: dark grey-brown, generally massive, somewhat silty. Occasional fractures at 50-55° to CA. No fizz. Siltyness decreases over lower 50cm.	Solid		None
56.00	I					56.57	56.67	0.10	CLAYSTONE: as above, top surface is a carbonaceous parting. Joint at 85° to CA. Not silty.	Solid		
56.50						56.67	56.74	0.07	ROCK LOSS			
						56.74	56.77	0.03	CLAYSTONE: as above.	V broken		
57.00						56.77	57.24	0.47	CLAYSTONE: dark grey-brown, massive, softer than units above.	Solid		
					18601	57.24	57.27	0.03	COAL: D2 Seam. Dull. Top contact intact, top 1cm is a laminated, somewhat clayey contact zone.	Solid	61°	
						57.27	57.40	0.13	COAL: D2 Seam. Dull.	Solid		
						57.40	57.47	0.07	COAL: D2 Seam. Dull, flakey, some polished surfaces.	Solid		
57.50		57.91		D2	18602	57.47	57.62	0.15	COAL: D2 Seam. Dull.	Solid		
						57.62	57.72	0.10	COAL: D2 Seam. Dull.	Broken		
						57.72	57.76	0.04	COAL: D2 Seam. Dull.	Crushed		
						57.76	57.83	0.07	COAL LOSS			
						57.83	57.87	0.04	CLAYSTONE: dark grey-brown, somewhat carbonaceous. Contact broken.	Broken		

DEPTH (m)	Box #	Marker ID (m)	Lithology Column	Coal Seam	Coal Sample ID	From (m)	To (m)	Interval (m)	INTERVAL DESCRIPTION	Core Quality	BCN (°)	Acid Test
58.00					18603	57.87	57.96	0.09	ROCK LOSS.			
						57.96	58.01	0.05	CLAYSTONE: as above, mixed with some powdered coal.	V. broken		
						58.01	58.34	0.33	COAL LOSS.			
58.50						58.34	58.70	0.36	COAL: D2 Seam. Dull. Traces of pyrite on cleat surfaces.	Solid		
					18604	58.70	58.72	0.02	COAL: D2 Seam. Boney, hard.	Solid		
59.00						58.72	59.13	0.41	COAL: D2 Seam. Dull. Traces of pyrite on cleat surfaces.	Solid		
						59.13	59.37	0.24	COAL: D2 Seam. Dull. Slightly sheared with occasional clay on surfaces.	Solid		
59.50						59.37	59.64	0.27	COAL LOSS.			
						59.64	59.68	0.04	COAL: D2 Seam. Dull, as above.	V. broken		
						59.68	59.79	0.11	COAL: D2 Seam. Dull.	Solid		
60.00					18605	59.79	60.06	0.27	COAL: D2 Seam. Dull, very uniform, crumbly.	Intact		
						60.06	60.19	0.13	COAL: D2 Seam. Dull, occasional trace of pyrite on cleats.	Solid		
						60.19	60.46	0.27	COAL: D2 Seam. Dull to dull-banded, occasional trace of pyrite on cleats.	Solid		
60.50						60.46	60.54	0.08	COAL: D2 Seam. Dull, trace of clay on cleats.	Intact		
						60.54	60.67	0.13	COAL: D2 Seam. Dull, sheared, soft flakes.	Intact		

DEPTH (m)	Box #	Marker ID (m)	Lithology Column	Coal Seam	Coal Sample ID	From (m)	To (m)	Interval (m)	INTERVAL DESCRIPTION	Core Quality	BCN (°)	Acid Test
61.50												
						60.67	62.85	2.18	COAL LOSS			
62.00												
62.50												
						62.85	62.93	0.08	COAL: D2 Seam. Dull, hard.	Broken		
63.00		64.01		D2	18606	62.93	63.16	0.23	COAL: D2 Seam. Dull, slightly sheared, a few bright bands.	Intact		
						63.16	63.72	0.56	COAL LOSS: hole sloughed in 4ft, next run started at 206'			
63.50		62.79				63.72	63.87	0.15	COAL LOSS			
						63.87	63.90	0.03	COAL: D2 Seam. Dull, fragments of coal rubble.	Broken		
64.00				D2	18607	63.90	64.03	0.13	COAL: D2 Seam. Dull.	Intact		
						64.03	64.05	0.02	COAL: D2 Seam. Dull, very soft.	Pulverized		
						64.05	64.44	0.39	ROCK LOSS			
64.50					18608	64.44	64.48	0.04	Carbonaceous CLAYSTONE: polished flakes.	V. broken		
						64.48	64.57	0.09		Sw. broken		

DEPTH (m)	Box #	Marker ID (m)	Lithology Column	Coal Seam	Coal Sample ID	From (m)	To (m)	Interval (m)	INTERVAL DESCRIPTION	Core Quality	BCN (°)	Acid Test
						64.70	64.97	0.27	Carbonaceous CLAYSTONE: black, coaly.	Intact		
						64.57	64.96	0.39	Carbonaceous CLAYSTONE: dark grey-black, bedded, occasional coaly bands to 1cm.	Intact	60°	
65.00				D2	18609	64.96	65.27	0.31	COAL: D2 Seam. Dull-banded. Both contacts intact.	Intact		
					18610							
						65.27	65.56	0.29	CLAYSTONE: dark grey-black with occasional coaly partings. Top half increasingly carbonaceous.	Solid		
65.50	3	85.84				65.56	65.87	0.31	CLAYSTONE: dark grey-brown, massive. Color lightens with depth.	Solid		
						65.87	65.95	0.08	CLAYSTONE: dark grey.	Solid		
66.00												
						65.95	67.34	1.39	CLAYSTONE: med grey-brown, massive, with scattered carbonaceous inclusions. Includes 1cm dark grey clay 66.94-66.95m.	Solid		
66.50												
67.00												
67.50												

DEPTH (m)	Box #	Marker ID (m)	Lithology Column	Coal Seam	Coal Sample ID	From (m)	To (m)	Interval (m)	INTERVAL DESCRIPTION	Core Quality	BCN (°)	Acid Test				
68.00	4	E.O.H.				67.34	68.49	1.15	CLAYSTONE: as above, becomes vaguely bedded with depth.	Solid						
68.50										68.49	68.85	0.36	SILTSTONE: medium grey-brown, clayey and bedded.	Solid	74°	
										68.85	68.85		END OF HOLE 68.85 m.			

Appendix C

Roman Mountain – Trenching Logs

Depth (m)	Lithology Column	Coal Seam	From (m)	To (m)	True Thickness (m)	INTERVAL DESCRIPTION All intervals measured as true thicknesses	Core Quality	Bedding
0.00			0.00	0.40	0.40	SILTSTONE: medium grey, non-carbonaceous, crumbly. Bedding orientation 155/36. D1 seam not accessible, contact with overlying Conglomerate obscured. Top of trench begins 1-2m lower in the stratigraphic section.		155/36°E
0.25								
0.50			0.40	0.64	0.24	CLAYSTONE: dark grey, soft, increasingly carbonaceous with depth.		
0.75		C2	0.64	0.75	0.11	COALY ZONE: prob. dull-banded. Soft.	Crushed	
1.00			0.75	1.14	0.39	CLAYSTONE: medium-dark grey, contains carbonaceous inclusions.		
1.25			1.14	1.54	0.40	CLAYSTONE: silty, dark grey, massive.		
1.50								
1.75								
2.00			1.54	2.32	0.78	CLAYSTONE: silty, medium-dark grey with rusty oxidation. Nodular structure revealed by weathering.		
2.25								
2.50			2.32	2.87	0.55	CLAYSTONE: dark grey, crumbly texture, non-nodular. Traces of yellow coatings (sulfur?) on fracture surfaces. Non-carbonaceous.		
2.75								
3.00		D2	2.87	2.91	0.04	Carbonaceous CLAYSTONE: dark grey, Transitional zone.		
3.25			2.91	3.27	0.36	COAL: dull-banded. Some peacock staining. Lower 10cm contains a few thin, claystone laminae.		
3.50			3.27	3.35	0.08	CLAYSTONE: dark grey-black, massive. D2 parting.		
3.75			3.35	3.38	0.03	Carbonaceous CLAYSTONE, transitional zone, D2 parting.	Sw. Sheared	
4.00			3.38	3.43	0.05	COAL: dull, some honey bands.		
4.25			3.43	3.55	0.12	COAL: dull, hard.		
4.50			3.55	3.69	0.14	COAL: dull and bright, occasional fusain lenses to 1cm.		
4.75			3.69	3.81	0.12	COAL: dull-banded, thin bedded, occasional clayey laminae.		
5.00								
5.25			3.81	4.40	0.59	COAL: dull-banded, non-bedded.	Sw. Sheared	
5.50								
5.75			4.40	4.51	0.11	COAL: dull-banded, with fusain lenses.		
6.00			4.51	4.60	0.09	COAL: boney, hard.		
6.25			4.60	4.86	0.26	COAL: dull to dull-banded.		
6.50			4.86	4.92	0.06	COAL: dull and bright.		
6.75			4.92	5.10	0.18	COAL: dull.		
7.00			5.10	5.26	0.16	COAL: coal, dull-banded with a few bright bands to 1cm.		
7.25			5.26	5.38	0.12	Carbonaceous CLAYSTONE: dark grey-black, D2 parting.	Sheared	
7.50			5.38	5.48	0.10	COAL: soft, polished flakes.	V. Sheared	
7.75			5.48	5.59	0.11	COAL: dull, hard.		
8.00			5.59	6.02	0.43	CLAYSTONE: dark grey, slightly carbonaceous. D2 parting.		
8.25								
8.50			6.02	6.60	0.58	COAL: soft, often pulverized.	Sheared	
8.75								
9.00			6.60	7.30	0.70	Carbonaceous CLAYSTONE: dark grey-black, many sections high-carb polished flakes.	Sheared	
9.25								
9.50			7.30	7.75	0.45	CLAYSTONE: dark grey, often yellow (sulfur?) coatings on fracture surfaces.		
9.75								
10.00			7.75	8.85	1.00	CLAYSTONE: medium grey, massive, crumbly.		
10.25			8.85	8.85		End of trench at 8.85m.		

Depth (m)	Lithology Column	Coal Seam	From (m)	To (m)	True Thickness (m)	INTERVAL DESCRIPTION True thickness calculated from measured horizontal width.	Horizontal Width (m)	Core Quality	Bedding
0.00									
0.25									
0.50			0.00	0.97	0.97	CLAYSTONE: tan-ochre color, massive. Bedding orientation 120/58.	1.14		120/58°NE
0.75									
1.00									
1.25			0.97	1.49	0.52	CLAYSTONE: gradational contact zone, becomes increasingly carbonaceous with depth.	0.61		
1.50									
1.75									
2.00									
2.25									
2.50		E1	1.49	3.15	1.66	COAL: dull, soft, occasional thin stoney partings.	1.96		
2.75									
3.00									
3.25			3.15	3.22	0.07	Carbonaceous CLAYSTONE: black. E1 parting.	0.08		
3.50		E1	3.22	3.67	0.45	COAL: dull, soft.	0.53		
3.75									
4.00			3.67	4.15	0.48	CLAYSTONE: gradational parting, top and bottom 10-15cm are dark grey-black, carbonaceous. Middle section is brown and slightly carbonaceous.	0.57	Sw, Sheared	
4.25									
4.50		E2	4.15	4.54	0.39	COAL: dull, soft.	0.46		
4.75									
4.83			4.54	4.83	0.29	Carbonaceous CLAYSTONE: bottom half high-carb, black. E2 parting.	0.34		
4.99			4.83	4.99	0.16	COAL: probably stoney, soft and oxidized.	0.19		
5.07			4.99	5.07	0.08	Carbonaceous CLAYSTONE: gradational contact zone.	0.09		
5.25			5.07	5.35	0.28	CLAYSTONE: grey, slightly carbonaceous.	0.33	Sheared	
5.50									
5.75			5.35	6.06	0.71	SILTSTONE: medium grey-brown, rusty on fracture surfaces.	0.84		
6.00									
6.25			6.06	6.28	0.22	CLAYSTONE: medium grey-brown, massive.	0.26		
6.50			6.28	6.56	0.28	CLAYSTONE: gradually grades into carbonaceous claystone.	0.33		
6.75			6.56	6.64	0.08	Carbonaceous CLAYSTONE: dark grey-black.	0.10		
7.00		E4	6.64	7.09	0.45	COAL: soft. Several thin carbonaceous claystone partings in lower half.	0.53		
7.25			7.09	7.17	0.08	Carbonaceous CLAYSTONE: dark grey-black.	0.10		
7.50			7.17	7.64	0.47	CLAYSTONE: medium grey-brown, massive.	0.56		
7.75									
8.00									
8.25			7.64	8.91	1.27	SILTSTONE: clayey, medium grey-brown. Somewhat oxidized.	1.50		
8.50									
8.75									
9.00			8.91	8.91		End of Trench at 8.91m.			

Depth (m)	Lithology Column	Coal Seam	From (m)	To (m)	True Thickness (m)	INTERVAL DESCRIPTION		Horizontal Width (m)	Core Quality	Bedding	
						All intervals were measured as horizontal widths.					
0.00											
0.25			0.00	0.71	0.71		CLAYSTONE: med grey-brown, massive. Unable to measure bedding in trench - orientation was estimated from cross-section as being 120/45.	1.00		120/45°NE	
0.50											
0.75		F seam	0.71	0.79	0.08		Carbonaceous CLAYSTONE: dark grey-black, soft	0.11	Sheared		
			0.79	0.85	0.06		COAL: stoney/boney coal flakes.	0.08	Sheared		
			0.85	0.91	0.06		Carbonaceous CLAYSTONE: dark grey-black, soft	0.08	Sheared		
			0.91	0.96	0.05		COAL: stoney/boney coal flakes.				
							Carbonaceous CLAYSTONE: dark grey-black, soft				
1.00				0.96	1.54	0.58		COAL: soft, powdery, dull.	0.82		
1.25											
1.50				1.54	1.59	0.05		COAL: dull-banded, harder and more crumbly than above.	0.07		
1.75											
2.00				1.59	2.69	1.10		COAL: soft, dull, powdery, nearly featureless.	1.56		
2.25											
2.50											
2.75			2.69	3.04	0.35		COAL: soft, dull-banded. Some thin, bright bands to 1cm.	0.50			
3.00			3.04	3.08	0.04		COAL: stoney coal. Soft and dull, trace of brown color.	0.06			
3.25			3.08	3.40	0.32		COAL: soft, dull-banded, occasional clayey bands to 1cm.	0.45			
3.50			3.40	3.46	0.06		Carbonaceous CLAYSTONE: gradational contact zone. Carbon content decreases rapidly with depth.	0.08			
3.75			3.46	4.17	0.71		CLAYSTONE: medium grey-brown, non-carbonaceous, crumbly, quite massive.	1.00			
4.00											
4.25			4.17	4.17			End of trench at 4.17m.				

Depth (m)	Lithology Column	Coal Seam	From (m)	To (m)	True Thickness (m)	INTERVAL DESCRIPTION		Horizontal Width (m)	Core Quality	Bedding
						All intervals were measured as horizontal widths.				
0.00										
0.25			0.00	0.71	0.71	CLAYSTONE: med grey-brown, massive. Unable to measure bedding in trench - orientation was estimated from cross-section as being 120/45.		1.00		120/45°NE
0.50										
0.75			0.71	0.79	0.08	Carbonaceous CLAYSTONE: dark grey-black, soft		0.11	Sheared	
			0.79	0.85	0.06	COAL: stoney/boney coal flakes.		0.08	Sheared	
			0.85	0.87	0.02	Carbonaceous CLAYSTONE: dark grey-black, soft		0.05	Sheared	
			0.87	0.96	0.09	COAL: stoney/boney coal flakes.			Sheared	
1.00										
1.25			0.96	1.54	0.58	COAL: soft, powdery, dull.		0.82		
1.50			1.54	1.59	0.05	COAL: dull-banded, harder and more crumbly than above.		0.07		
1.75										
2.00			1.59	2.69	1.10	COAL: soft, dull, powdery, nearly featureless.		1.56		
2.25										
2.50										
2.75										
3.00			2.69	3.04	0.35	COAL: soft, dull-banded. Some thin, bright bands to 1cm.		0.50		
3.25			3.04	3.08	0.04	COAL: stoney coal. Soft and dull, trace of brown color.		0.06		
3.50			3.08	3.40	0.32	COAL: soft, dull-banded, occasional clayey bands to 1cm.		0.45		
3.75			3.40	3.46	0.06	Carbonaceous CLAYSTONE: gradational contact zone. Carbon content decreases rapidly with depth.		0.08		
4.00			3.46	4.17	0.71	CLAYSTONE: medium grey-brown, non-carbonaceous, crumbly, quite massive.		1.00		
4.25			4.17	4.17		End of trench at 4.17m.				

Depth (m)	Lithology Column	Coal Seam	From (m)	To (m)	True Thickness (m)	INTERVAL DESCRIPTION All intervals were measured as true thicknesses.	Core Quality	Bedding
0.00			0.00	2.00	2.00	CONGLOMERATE: light grey, massive. Fine chert pebble/granule. Bedding orientation 115/36.		115/36°NE
0.25								
0.50								
0.75								
1.00								
1.25								
1.50								
1.75								
2.00								
2.25		D1	2.00	2.75	0.75	COAL: dull, soft and powdery. Top contact not visible, seam thickness 0.75m ±10cm.		
2.50								
2.75			2.75	2.83	0.08	Carbonaceous CLAYSTONE: black, coaly with 1cm yellow, rusty top contact.		
2.83			2.83	2.99	0.16	CLAYSTONE: dark grey-brown.	Sw. Sheared	
2.99			2.99	3.21	0.22	Carbonaceous CLAYSTONE: dark grey-black with thin, bright bands.	Sw. Sheared	
3.21			3.21	3.39	0.18	CLAYSTONE: dark grey, massive, coarsens downward through gradational contact.		
3.39			3.39	3.77	0.38	SILTSTONE: dark grey with fine, carbonaceous inclusions.		
3.77			3.77	4.06	0.29	SILTSTONE: sandy, medium-dark grey, hard and cross-bedded.		
4.06			4.06	4.38	0.32	SILTSTONE: medium-dark grey, coarsening upward, grades into units above and below.		
4.38			4.38	4.79	0.41	CLAYSTONE: medium-dark grey, darkens with depth.		
4.79			4.79	4.92	0.13	Carbonaceous CLAYSTONE: dark grey-black, soft.		
4.92		CZ	4.92	5.04	0.12	COAL: dull, soft with a few thin bright bands.		
5.04				5.04	5.16	0.12	COAL: dull-banded. Soft with fusain lenses and clayey laminae.	
5.16			5.16	5.24	0.08	Carbonaceous CLAYSTONE: black, soft, 1cm rusty orange band on bottom.		
5.24			5.24	5.57	0.33	CLAYSTONE: dark grey, massive, fairly soft.		
5.57			5.57	6.04	0.47	CLAYSTONE: silty, dark grey, harder than overlying rock.		
6.04			6.04	6.06	0.02	Carbonaceous CLAYSTONE: black.		
6.06			6.06	7.02	0.96	CLAYSTONE: dark grey with brown, oxidized coatings and thin yellow coatings on fracture surfaces.		
7.02			7.02	7.10	0.08	CLAYSTONE: medium grey, no fracture coatings.		
7.10			7.10	7.16	0.06	Carbonaceous CLAYSTONE: black, occasional bright bands. Upper contact of D2 seam.		
7.16			7.16	7.36	0.20	COAL: dull, soft, traces of brownish streak. Top 3cm bright coal.		
7.36			7.36	7.42	0.06	COAL: boney to stoney, soft.	Sw. Sheared	
7.42			7.42	7.48	0.06	Carbonaceous CLAYSTONE: black, dull.	Sw. Sheared	
7.48			7.48	7.56	0.08	CLAYSTONE: dark grey, hard, some carbonaceous inclusions.		
7.56			7.56	7.65	0.09	Carbonaceous CLAYSTONE: soft, black.	Sw. Sheared	
7.65			7.65	7.99	0.34	COAL: dull-banded.		
7.99			7.99	8.11	0.12	COAL: dull, soft, possibly clayey.		
8.11			8.11	8.38	0.27	COAL: dull-banded.		
8.38			8.38	8.43	0.05	COAL: boney, hard.		
8.43			8.43	8.53	0.10	Carbonaceous CLAYSTONE: black, crumbly, may be stoney coal.		
8.53			8.53	8.63	0.10	COAL: bright-banded, top few cm dull.		
8.63			8.63	8.80	0.17	COAL: dull-banded.		
8.80			8.80	8.90	0.10	COAL: dull, soft.		
8.90		D2	8.90	9.54	0.64	COAL: dull, massive.		
9.54			9.54	9.64	0.10	COAL: dull with boney bands.		
9.64			9.64	9.70	0.06	COAL: dull and bright.		
9.70			9.70	9.96	0.26	COAL: dull, massive, soft.		
9.96			9.96	10.04	0.08	COAL: dull-banded.		
10.04			10.04	10.22	0.18	COAL: dull, massive, soft.		
10.22			10.22	10.38	0.16	COAL: dull-banded.		
10.38			10.38	10.56	0.18	COAL: dull, massive, soft.		
10.56			10.56	10.83	0.27	COAL: soft, polished flakes.	Sheared	
10.83			10.83	10.89	0.06	Carbonaceous CLAYSTONE: dark grey-black.	Sheared	
10.89		10.89	11.21	0.32	COAL: dull.	Sheared		
11.21			11.21	11.26	0.05	Carbonaceous CLAYSTONE: black. Lower contact of D2 seam.	Sheared	

Depth (m)	Lithology Column	Coal Seam	From (m)	To (m)	True thickness (m)	INTERVAL DESCRIPTION		Core Quality	Bedding
						All intervals were measured as true thicknesses.			
11.50			11.26	11.37	0.11		CLAYSTONE: dark grey-black.	Sw. Sheared	115/42°NE
			11.37	11.41	0.04		Carbonaceous CLAYSTONE: black, soft.	Sheared	
11.75			11.41	11.67	0.26		CLAYSTONE: dark grey-brown with bands of carbonaceous claystone to 2 cm. Some yellow fracture coatings.		
12.00			11.67	12.49	0.82		CLAYSTONE: medium grey, massive. Occasional rusty fractures. Bedding orientation 115/42.		
12.25			12.49	12.74	0.25		CLAYSTONE: dark grey-brown with occasional carbonaceous zones.	Sw. Sheared	
12.50			12.74	12.74			End of trench at 12.74m.		

Depth (m)	Lithology Column	Coal Seam	From (m)	To (m)	True Thickness (m)	INTERVAL DESCRIPTION			Horizontal Width (m)	Core Quality	Bedding
						All intervals were measured as horizontal widths.					
0.00											
0.25											
0.50											
0.75			0.00	1.58	1.58	CLAYSTONE: medium grey-brown, massive. Roof of F seam.			2.00		115/52°NE
1.00											
1.25											
1.50											
1.75											
2.00											
2.25											
2.50											
2.75			1.58	3.73	2.15	COAL: soft, often powdery, no partings seen.			2.73		
3.00											
3.25											
3.50											
3.75			3.73	3.87	0.14	CLAYSTONE: dark grey, Floor of F seam.			0.18	Sheared	
4.00			3.87	3.98	0.11	CLAYSTONE: somewhat carbonaceous.			0.14	Sheared	
4.25			3.98	4.11	0.13	CLAYSTONE: dark grey.			0.17	Sheared	
4.50											
4.75			4.11	4.63	0.52	CLAYSTONE: medium-dark grey-brown, massive, silty at base, fining upward.			0.66		
5.00											
5.25			4.63	5.26	0.63	SANDSTONE: silty, medium brown, somewhat rusty.			0.80		
5.26			5.26	5.26		End of trench at 5.26m.					

Depth (m)	Lithology Column	Coal Seam	From (m)	To (m)	True Thickness (m)	INTERVAL DESCRIPTION			Horizontal Width (m)	Core Quality	Bedding
						All intervals were measured as horizontal widths.					
0.00											
0.25											
0.50											
0.75			0.00	1.58	1.58	CLAYSTONE: medium grey-brown, massive. Roof of F seam.			2.00		115/52°NE
1.00											
1.25											
1.50											
1.75											
2.00											
2.25											
2.50											
2.75		F	1.58	3.73	2.15	COAL: soft, often powdery, no partings seen.			2.73		
3.00											
3.25											
3.50											
3.75			3.73	3.87	0.14	CLAYSTONE: dark grey. Floor of F seam.			0.18	Sheared	
4.00			3.87	3.98	0.11	CLAYSTONE: somewhat carbonaceous.			0.14	Sheared	
4.25			3.98	4.11	0.13	CLAYSTONE: dark grey.			0.17	Sheared	
4.50			4.11	4.63	0.52	CLAYSTONE: medium-dark grey-brown, massive, silty at base, fining upward.			0.66		
4.75											
5.00			4.63	5.26	0.63	SANDSTONE: silty, medium brown, somewhat rusty.			0.80		
5.25			5.26	5.26		End of trench at 5.26m.					

Depth (m)	Lithology Column	Coal Seam	From (m)	To (m)	True Thickness (m)	INTERVAL DESCRIPTION All intervals were measured as true thicknesses.	Core Quality	Bedding
0.00								
0.25								
0.50								
0.75								
1.00			0.00	2.00	2.00	CLAYSTONE: medium grey-brown, massive.		310/60°SW
1.25								
1.50								
1.75								
2.00			2.00	2.05	0.05	Carbonaceous CLAYSTONE: gradational contact, top of F seam.		
2.05			2.05	2.20	0.15	COAL: dull.		
2.20			2.20	2.29	0.09	CLAYSTONE: dark brown, somewhat carbonaceous.		
2.25								
2.50			2.29	2.74	0.45	COAL: dull to dull-banded.	Sw. Sheared	
2.75			2.74	2.78	0.04	COAL: boney.		
3.00								
3.25			2.78	3.98	1.20	COAL: dull to dull-banded.	Sw. Sheared	
3.50								
3.75								
4.00								
4.25			3.98	4.22	0.24	COAL: dull, lower few cm carbonaceous claystone, bottom of F seam.	Sw. Sheared	
4.50			4.22	4.50	0.28	CLAYSTONE: dark grey-brown, somewhat carbonaceous.		
4.75			4.50	4.56	0.06	Carbonaceous CLAYSTONE: dark grey-black.		
5.00								
5.25								
5.50			4.56	6.56	2.00	CLAYSTONE: medium grey, massive.		
5.75								
6.00								
6.25								
6.50			6.56	6.56		End of trench at 6.56m.		

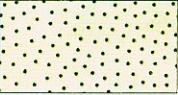
Depth (m)	Lithology Column	Coal Seam	From (m)	To (m)	True Thickness (m)	INTERVAL DESCRIPTION			Horizontal Width (m)	Core Quality	Bedding
						All intervals were measured as horizontal widths.					
0.00						Trench began sloughing and filling with water as soon as it was opened.					
0.25											
0.50			0.00	0.96	0.96	CLAYSTONE: roof of E1 seam. Bedding orientation 308/74°.			1.00		308/74°SW
0.75											
1.00											
1.25											
1.50											
1.75											
2.00		E1	0.96	2.84	1.88	COAL			1.96		
2.25											
2.50											
2.75											
3.00			2.84	3.19	0.35	CLAYSTONE: E1-2 parting			0.36		
3.25											
3.50		E2	3.19	3.90	0.71	COAL			0.74		
3.75											
4.00											
4.25			3.90	4.77	0.87	CLAYSTONE: E2-3 parting, estimated width. Bottom contact buried by slough.			0.90		
4.50											
4.75											
5.00		E3	4.77	5.15	0.38	COAL: estimated width. E3 buried by slough.			0.40		
5.25											
5.50			5.15	6.11	0.96	CLAYSTONE: floor of E3 seam.			1.00		
5.75											
6.00			6.11	6.11		End of trench at 6.11m.					

Depth (m)	Lithology Column	Coal Seam	From (m)	To (m)	True Thickness (m)	INTERVAL DESCRIPTION All intervals measured as horizontal widths.	Horizontal Width (m)	Core Quality	Bedding
0.00									
0.25			0.00	0.70	0.70	SANDSTONE: fine grained, rusty.	0.70		335/90°
0.50									
0.75			0.70	0.74	0.04	CLAYSTONE: brown.	0.04		
1.00			0.74	1.05	0.31	Carbonaceous CLAYSTONE: occasional coaly bands.	0.31	Sheared	
1.25			1.05	1.29	0.24	CLAYSTONE: somewhat carbonaceous.	0.24		
1.50			1.29	1.45	0.16	Carbonaceous CLAYSTONE: high-carbon.	0.16	Sheared	
1.75			1.45	1.79	0.34	CLAYSTONE: medium-dark grey, somewhat carbonaceous.	0.34		
2.00			1.79	1.99	0.20	CLAYSTONE: medium brown, soft, muddy.	0.20		
2.25									
2.50									
2.75									
3.00			1.99	3.94	1.95	SANDSTONE: fine-grained, somewhat rusty, lower 80cm blocky.	1.95		
3.25									
3.50									
3.75									
4.00									
4.25									
4.50									
4.75									
5.00			3.94	5.96	2.02	CONGLOMERATE: fine granules, blocky.	2.50		
5.25									
5.50									
5.75									
6.00									
6.25		D1	5.96	6.37	0.41	COAL: dull, soft.	0.51		
6.50									
6.75			6.37	7.44	1.07	CLAYSTONE: dark grey, somewhat carbonaceous.	1.33		
7.00									
7.25									
7.50			7.44	7.96	0.52	CLAYSTONE: brown.	0.64		
7.75									
8.00			7.96	8.38	0.42	CONGLOMERATE: fine granules. Bedding orientation 308/54.	0.52		308/54°SW
8.25									
8.50									
8.75			8.38	9.40	1.02	CLAYSTONE: silty, occasional carbonaceous bands.	1.26		
9.00									
9.25									
9.50									
9.75									
10.00									
10.25									
10.50									
10.75									
11.00									
11.25									

ROMAN MOUNTAIN - Trenching

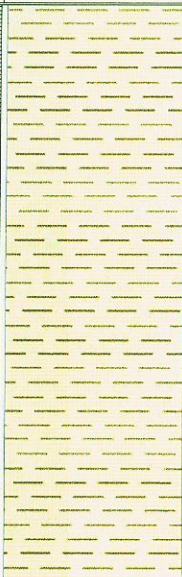
Depth (m)	Lithology Column	Coal Seam	From (m)	To (m)	True Thickness (m)	INTERVAL DESCRIPTION		Horizontal Width (m)	Core Quality	Bedding
						All intervals measured as horizontal widths.				
11.50			9.40	14.50	5.10	CONGLOMERATE: fine pebble/granule, occasional carbonaceous claystone zones in top 2m.		6.30		
14.50		CZ	14.50	14.80	0.30	COALY ZONE: top and bottom sections clayey, impure.		0.37		
14.80			14.80	15.02	0.22	CLAYSTONE: transitional zone, upper section is somewhat carbonaceous.		0.27		
15.02			15.02	15.72	0.70	SILTSTONE: dark grey-brown, occasional carbonaceous partings.		0.86		
15.72			15.72	16.21	0.49	CLAYSTONE: dark brown, soft.		0.61		
16.21		B2	16.21	16.40	0.19	COAL: dull-banded, soft. Roof of D2 seam.		0.23		
16.40			16.40	16.47	0.07	Carbonaceous CLAYSTONE: dark grey-black.		0.09		
16.47			16.47	17.46	0.99	COAL: dull-banded, soft, traces of clay on bedding cleavages throughout.		1.22		
17.46		D2	17.46	18.16	0.70	COAL: dull and bright, fairly hard. may have some boney bands.		0.86		
18.16			18.16	18.29	0.13	COAL: stoney, with rusty bands.		0.16		
18.29		18.29	18.44	0.15	COAL: massive, soft.		0.19			
18.44		18.44	18.81	0.37	COAL/Carbonaceous CLAYSTONE: gradational contact zone, increasingly clayey with depth: floor of D2 seam.		0.46			
18.81		18.81	19.61	0.80	CLAYSTONE: med grey-brown, massive.		0.99			
19.61		19.61	21.15	1.54	CLAYSTONE: somewhat carbonaceous, interbedded with massive claystone.		1.90			
21.15		21.15	21.47	0.32	CONGLOMERATE: fine granules.		0.39			
21.47		21.47	23.09	1.62	SANDSTONE: medium brown, somewhat rusty.		2.00			

ROMAN MOUNTAIN - Trenching

Depth (m)	Lithology Column	Coal Seam	From (m)	To (m)	True Thickness (m)	INTERVAL DESCRIPTION			Horizontal Width (m)	Core Quality	Bedding
						All intervals measured as horizontal widths.					
22.75											
23.00			23.09	23.09		End of trench at 23.09m.					

Depth (m)	Lithology Column	Coal Seam	From (m)	To (m)	True Thickness (m)	INTERVAL DESCRIPTION		Horizontal Width (m)	Core Quality	Bedding
						All intervals were measured as horizontal widths.				
0.00			0.00	0.08	0.08	CLAYSTONE: medium grey, massive, weathered and soft. Bedding orientation 125/52.		0.10		125/52°NE
			0.08	0.14	0.06	CLAYSTONE: medium-dark grey, somewhat carbonaceous with occasional bright laminae.		0.07		
			0.14	0.21	0.07	Carbonaceous CLAYSTONE: dark grey-black, soft.		0.08		
0.25						CLAYSTONE: dark grey, somewhat carbonaceous, hard.				
		F zone	0.23	0.66	0.43	COAL: stoney; dark grey, soft and weathered with clay on cleats throughout. Top of F seam.		0.55		
0.50										
0.75										
1.00		F	0.66	1.16	0.50	COAL: dull with a few bright bands, soft, non-clayey.		0.64		
1.25			1.16	1.38	0.22	COAL: dull-banded, fairly firm.		0.28		
1.50			1.38	1.51	0.13	FAULT: sub-parallel to bedding, contains pebbles and sandy material. Top 1cm is rusty-orange.		0.16		
1.75			1.51	1.70	0.19	COAL: dull, soft, with lensoid inclusions of sheared carbonaceous claystone.		0.24	Sheared	
2.00			1.70	1.96	0.26	Carbonaceous CLAYSTONE: brown-black with rusty laminae throughout.		0.33	Sheared	
2.25			1.96	2.04	0.08	Carbonaceous CLAYSTONE: black, very soft, high-carbon.		0.10		
2.50			2.04	2.44	0.40	CLAYSTONE: dark grey, somewhat carbonaceous.		0.51	Sheared	
2.75			2.44	2.74	0.30	SILTSTONE: medium grey-brown, gradational - fines upward from sandy siltstone at base. Sandy zones are orange and oxidized.		0.38		
			2.74	2.74		End of trench at 2.74m.				

Depth (m)	Lithology Column	Coal Seam	From (m)	To (m)	True Thickness (m)	INTERVAL DESCRIPTION All intervals were measured as true widths.	Core Quality	Bedding
0.00								
0.25								
0.50								
0.75								
1.00								
1.25								
1.50			0.00	3.00	3.00	CLAYSTONE: light-medium grey, non-carbonaceous.	Sw. Sheared	325/68°NE
1.75								
2.00								
2.25								
2.50								
2.75								
3.00								
3.25								
3.50			3.00	4.24	1.24	CLAYSTONE: light-medium grey, carbonaceous partings.	Sw. Sheared	
3.75								
4.00								
4.25								
4.50			4.24	4.73	0.49	CLAYSTONE: increasingly carbonaceous transitional zone.	Sheared	
4.75			4.73	4.92	0.19	Carbonaceous CLAYSTONE: dark grey-black.	Sheared	
5.00			4.92	5.29	0.37	COAL: dull.	Sw. Sheared	
5.25		E1						
5.50			5.29	5.88	0.59	COAL: dull, somewhat soft.		
5.75								
6.00			5.88	6.16	0.28	COAL: dull.	Sw. Sheared	
6.25			6.16	6.17	0.01	CLAYSTONE: thin parting.	Pulverized	
6.50			6.17	6.28	0.11	COAL: dull, soft.		
6.75								
7.00			6.28	7.16	0.88	COAL: dull, somewhat soft.		
7.25		E1						
7.50								
7.75			7.16	8.02	0.86	COAL: dull to dull-banded, some thin claystone laminae.		
8.00								
8.25			8.02	8.27	0.25	CLAYSTONE: brown-grey, slightly carbonaceous.	Sheared	
8.50		E2						
8.75			8.27	8.78	0.51	COAL: dull-banded. Top and bottom contacts sheared, lower 10cm increasingly clayey.		
9.00								
9.25			8.78	9.64	0.86	CLAYSTONE: medium grey-brown.		
9.50								
9.75			9.64	10.04	0.40	CLAYSTONE: as above.	Sw. Sheared	
10.00								
10.25		E3						
10.50			10.04	10.42	0.38	COAL: dull-banded, somewhat clayey.	Sheared	
10.75			10.42	10.57	0.15	CLAYSTONE: medium-dark grey-brown, somewhat carbonaceous, carbon increases near upper contact.		
11.00			10.57	10.95	0.38	CLAYSTONE: medium brown, non-carbonaceous.		
11.25								

Depth (m)	Lithology Column	Coal Seam	From (m)	To (m)	True Thickness (m)	INTERVAL DESCRIPTION All intervals were measured as true widths.	Core Quality	Bedding
11.50			10.95	11.87	0.92	CLAYSTONE: silty, rusty brown.		310/90°
11.75								
12.00								
12.25								
12.50								
12.75								
13.00								
13.25			11.87	14.87	3.00	CLAYSTONE: medium brown, a few thin carbonaceous zones. Bedding is overturned 300/78°.	Sw. Sheared	300/78°SW
13.50								
13.75								
14.00								
14.25								
14.50								
14.75			14.87	14.87		End of trench at 14.87m.		
15.00								

Depth (m)	Lithology Column	Coal Seam	From (m)	To (m)	True Thickness (m)	INTERVAL DESCRIPTION			Horizontal Width (m)	Core Quality	Bedding
						All intervals were measured as horizontal widths.					
0.00											
0.25											
0.50											
0.75			0.00	1.64	1.64			2.00	Sheared	285/65°S	
1.00											
1.25											
1.50											
1.75											
2.00											
2.25											
2.50											
2.75											
3.00											
3.25			1.64	4.97	3.33			4.07			
3.50											
3.75											
4.00											
4.25											
4.50											
4.75											
5.00											
5.25											
5.50											
5.75			4.97	6.61	1.64			2.00	Sheared	290/46°S	
6.00											
6.25											
6.50											
6.61			6.61	6.61							
						End of trench at 6.61m.					

Depth (m)	Lithology Column	Coal Seam	From (m)	To (m)	True Thickness (m)	INTERVAL DESCRIPTION		Core Quality	Bedding
						All intervals were measured as true widths.			
0.00						Trench unsafe, partly sloughed during logging. J floor location approximate ± 10cm. No details of I seam zone could be noted during measurement of G/I section. G seam thickness should be estimated on the basis of drill measurements.			
0.25									
0.50									
0.75			0.00	1.45	1.45	CLAYSTONE: medium grey-brown.			310/47NE°
1.00									
1.25									
1.50									
1.75									
2.00									
2.25									
2.50									
2.75									
3.00									
3.25									
3.50									
3.75									
4.00									
4.25									
4.50									
4.75									
5.00		G/I	1.45	8.20	6.75	COAL: dull, soft. I seam section not measured separately.			
5.25									
5.50									
5.75									
6.00									
6.25									
6.50									
6.75									
7.00									
7.25									
7.50									
7.75									
8.00									
8.25									
8.50									
8.75									
9.00			8.20	10.00	1.80	CLAYSTONE: dark grey.			
9.25									
9.50									
9.75									
10.00									
10.25									
10.50									
10.75									
11.00									
11.25									

Depth (m)	Lithology Column	Coal Seam	From (m)	To (m)	True Thickness (m)	INTERVAL DESCRIPTION All intervals were measured as true widths.	Core Quality	Bedding	
11.50									
11.75									
12.00									
12.25									
12.50									
12.75									
13.00					10.00	15.70	5.70	COAL: dull, soft. Bottom of J seam coordinates 6083825N / 629450E, trench floor is 2.5m below ground level.	
13.25									
13.50									
13.75									
14.00									
14.25									
14.50									
14.75									
15.00									
15.25									
15.50									
15.75									
16.00									
16.25									
16.50									
16.75			15.70	17.90	2.20	CLAYSTONE: medium grey-brown.			
17.00									
17.25									
17.50									
17.75									
18.00			17.90	17.90		End of trench at 17.90m.			

Depth (m)	Lithology Column	Coal Seam	From (m)	To (m)	True Thickness (m)	INTERVAL DESCRIPTION All intervals were measured as true widths.	Core Quality	Bedding
0.00								
0.25								
0.50								
0.75								
1.00								
1.25			0.00	2.50	2.50	CLAYSTONE: medium grey-brown, occasional carbonaceous partings.		123/68°SW
1.50								
1.75								
2.00								
2.25								
2.50			2.50	2.61	0.11	CLAYSTONE: dark grey, slightly carbonaceous.	Sheared	
2.61			2.61	2.76	0.15	CLAYSTONE: dark grey, somewhat carbonaceous.		
2.76			2.76	2.91	0.15	Carbonaceous CLAYSTONE: black, soft, high-carbon. May be stoney coal.	Pulverized	
2.91			2.91	3.04	0.13	CLAYSTONE: dark grey-brown, somewhat carbonaceous.	Sheared	
3.04			3.04	3.12	0.08	Carbonaceous CLAYSTONE: black, grades downward into coal.		
3.12		G	3.12	3.38	0.26	COAL: dull, top of G seam.		
3.38			3.38	3.46	0.08	CLAYSTONE: dark grey-black, upper and lower contacts carbonaceous and gradational.		
3.46			3.46	4.03	0.57	COAL: dull, a few bright bands.		
3.75								
4.00								
4.25								
4.50			4.03	5.12	1.09	COAL: dull to dull-banded, fairly firm, a few clayey laminae.		
4.75								
5.00								
5.12			5.12	5.15	0.03	CLAYSTONE: dark grey-brown, soft.		
5.15			5.15	5.23	0.08	COAL: dull, soft.		
5.23			5.23	5.61	0.38	Carbonaceous CLAYSTONE: dark grey to black.		
5.61			5.61	5.70	0.09	COAL: dull to dull-banded, firm.		
5.70			5.70	6.09	0.39	Carbonaceous CLAYSTONE: black, with stoney coal at center.		
5.75								
6.00			6.09	6.22	0.13	COAL: dull-banded, firm.		
6.22			6.09	6.22	0.13	COAL: boney and stoney, gradational contact zone, bottom of G seam.		
6.22			6.22	6.39	0.17	CLAYSTONE: dark grey-brown, top and bottom 2-3cm are carbonaceous.		
6.39			6.39	6.42	0.03	COAL: dull-banded.		
6.42			6.42	6.57	0.15	CLAYSTONE: medium grey-brown, massive.		
6.57			6.57	6.70	0.13	Carbonaceous CLAYSTONE: dark grey to black.		
6.70			6.70	6.79	0.09	COAL: a few thin claystone laminae.		
6.79			6.79	6.90	0.11	Carbonaceous CLAYSTONE: black.		
6.90			6.90	7.03	0.13	COAL: dull-banded, firm.		
7.00								
7.03			7.03	7.40	0.37	Carbonaceous CLAYSTONE: black to dark brown, some coaly bands.		
7.25								
7.50								
7.75								
8.00			7.40	8.67	1.27	CLAYSTONE: dark grey, slightly carbonaceous.		
8.25								
8.50								
8.67			8.67	8.80	0.13	COAL: dull, firm.		
8.80			8.80	8.84	0.04	COAL: soft, powdery.		
8.84			8.84	9.12	0.28	COAL: dull, firm.		
9.00								
9.12			9.12	9.82	0.70	COAL: dull, featureless, quite soft.		
9.25								
9.50								
9.75								
10.00								
10.12			9.82	10.47	0.65	COAL: dull-banded, fairly firm.		
10.25								
10.50								
10.75								
11.00			10.47	11.29	0.82	COAL: dull, soft.		
11.25								

Depth (m)	Lithology Column	Coal Seam	From (m)	To (m)	True Thickness (m)	INTERVAL DESCRIPTION All intervals were measured as true widths.	Core Quality	Bedding
11.50			11.29	11.92	0.63	COAL: dull-banded, fairly firm.		
11.75								
12.00								
12.25								
12.50								
12.50			11.92	12.31	0.39	COAL: dull, soft.		
12.50			12.31	12.38	0.07	COAL: dull-banded.		
12.50			12.38	12.51	0.13	COAL: dull, soft.		
12.75								
13.00								
13.25								
13.50								
13.75			12.51	14.99	2.48	COAL: dull-banded, fairly firm.		
14.00								
14.25								
14.50								
14.75								
15.00			14.99	15.17	0.18	COAL: dull-banded, fairly firm. no obvious features. Bottom of J seam.	Sw. Sheared	
15.25			15.17	15.53	0.36	CLAYSTONE: dark grey, slightly carbonaceous.	Sw. Sheared	
15.50								
15.75								
16.00								
16.25			15.53	17.03	1.50	CLAYSTONE: medium grey, massive.		130/62°SW
16.50								
16.75								
17.00			17.03	17.03		End of trench at 17.03m.		

Depth (m)	Lithology Column	Coal Seam	From (m)	To (m)	True Thickness (m)	INTERVAL DESCRIPTION All intervals were measured as true widths.	Core Quality	Bedding
0.00		K1	0.00	0.50	0.50	SANDSTONE: fine-grained, yellowish-tan, oxidized.		126/57°SW
0.25			0.50	0.69	0.19	SILTSTONE: sandy, grades downward into claystone. Light brown, slightly oxidized.		
0.50			0.69	1.12	0.43	CLAYSTONE: light brown-grey, massive.		
0.75			1.12	1.15	0.03	COAL: soft, powdery, featureless. Top of K1 seam.		
1.00			1.15	1.79	0.64	COAL: dull, firm, uniform.		
1.25			1.79	2.11	0.32	COAL: dull-banded; prominent bright bands to 0.5cm.		
1.50			2.11	2.13	0.02	Carbonaceous CLAYSTONE: black, thinly laminated.		
1.75			2.13	2.42	0.29	CLAYSTONE: medium-dark grey-brown, with dark grey, somewhat carbonaceous bands throughout.		
2.00			2.42	2.44	0.02	Carbonaceous CLAYSTONE: soft and powdery.		
2.25			2.44	2.82	0.38	CLAYSTONE: medium grey-brown, a few carbonaceous bands.		
2.50			2.82	3.00	0.18	CLAYSTONE: medium brown-grey, non-carbonaceous.	Sw. Sheared	
2.75			3.00	3.08	0.08	COAL: soft, powdery, featureless. Top of K2 seam.		
3.00			3.08	3.14	0.06	CLAYSTONE: medium-dark grey, soft.	Sheared	
3.25			3.14	3.62	0.48	COAL: soft, featureless, dull.		
3.50			3.62	3.68	0.06	CLAYSTONE: some carbonaceous claystone zones, reddish oxidation on fractures.	Sw. Sheared	
3.75			3.68	4.03	0.35	CLAYSTONE: medium grey-brown, occasional slightly carbonaceous zones.	Sw. Sheared	
4.00	4.03	4.15	0.12	Carbonaceous CLAYSTONE: dark grey to black.				
4.25	4.15	4.53	0.38	CLAYSTONE: medium grey-brown, non-carbonaceous, some oxidation on fractures.	Sw. Sheared			
4.50	4.53	4.76	0.23	CLAYSTONE: medium brown, fairly massive.				
4.75	4.76	5.00	0.24	CLAYSTONE: as above, orange, oxidized zone.				
5.00	5.00	5.34	0.34	CLAYSTONE: medium brown, massive.				
5.25	5.34	5.44	0.10	CLAYSTONE: medium grey-brown.	Sw. Sheared			
5.50	5.44	5.56	0.12	CLAYSTONE: dark grey-brown, slightly carbonaceous.				
5.75	5.56	6.11	0.55	CLAYSTONE: medium grey-brown with occasional grey, slightly carbonaceous zones throughout				
6.00	6.11	6.11		End of trench at 6.11m. Bedrock surface dives under till.				

ROMAN MOUNTAIN - Trenching

Depth (m)	Lithology Column	Coal Seam	From (m)	To (m)	True Thickness (m)	INTERVAL DESCRIPTION All intervals were measured as true widths.	Core Quality	Bedding
0.00								
0.25			0.00	0.60	0.60	CLAYSTONE: dark grey, a few thin carbonaceous partings.		110/30°N
0.50								
0.75			0.60	0.82	0.22	CLAYSTONE: dark grey with frequent carbonaceous bands and partings.		
1.00			0.83	0.88	0.05	Carbonaceous CLAYSTONE: dark grey to black COAL: dull, very soft, massive. Top of E1 seam.		
1.25		E1	0.88	1.35	0.47	COAL: dull, a few thin bright bands.		
1.50								
1.75			1.35	1.76	0.41	COAL: dull with occasional bright bands to 1cm.		
2.00		E1	1.76	1.77	0.01	Carbonaceous CLAYSTONE: brown-black, soft.		
2.25			1.77	1.94	0.17	COAL: dull, soft, with a few bright bands.		
2.50			1.94	2.04	0.10	COAL: boney-stoney, soft and clayey.		
2.75			2.04	2.18	0.14	Carbonaceous CLAYSTONE: black, clayey.		
3.00			2.18	2.22	0.04	CLAYSTONE: somewhat carbonaceous with rusty and yellow staining.		
3.25		E1	2.22	2.65	0.43	COAL: boney? Dull with occasional bright bands and yellowish, clayey coatings on cleat surfaces throughout.		
3.50			2.65	2.71	0.06	CLAYSTONE: dark grey-black with oxidized coatings on fractures.		
3.75			2.71	2.90	0.19	COAL: dull, a few thin bright bands.		
4.00		E1	2.90	2.97	0.07	COAL: stoney, with pervasive yellow coatings on cleat surfaces.		
4.25			2.97	3.23	0.26	COAL: dull, with occasional bright bands to 1cm.		
4.50			3.23	3.32	0.09	COAL: dull, soft, powdery. Bottom of E1 seam.		
4.75			3.32	3.43	0.11	Carbonaceous CLAYSTONE: dark grey with yellow fracture coatings.	Sheared	
5.00			3.43	3.57	0.14	CLAYSTONE: dark grey, slightly carbonaceous, yellow coatings prominent throughout.		
5.25			3.57	3.70	0.13	CLAYSTONE: dark grey, massive, crumbly.		
5.50			3.70	3.81	0.11	CLAYSTONE: dark grey with rusty stain on fractures.		
5.75			3.81	3.95	0.14	CLAYSTONE: dark grey, massive, crumbly.		
6.00		E2	3.95	4.01	0.06	CLAYSTONE: dark grey with yellowish coatings on fractures.		
6.25			4.01	4.13	0.10	COAL: soft and powdery. Top of E2 seam.	Sheared	
6.50			4.13	4.55	0.42	Carbonaceous CLAYSTONE: black, soft. COAL: dull-banded to dull and bright. Occasional soft, powdery bands to 5cm.		
6.75		E2	4.55	4.69	0.14	CLAYSTONE: dark grey, somewhat carbonaceous with yellow fracture coatings.		
7.00			4.69	4.87	0.18	COAL: boney and stoney, top 5cm has frequent bright bands.		
7.25			4.87	4.95	0.08	COAL: soft.	Sheared	
7.50			4.95	5.07	0.12	COAL: dull-banded, occasional rusty coatings on cleats.		
7.75			5.07	5.43	0.36	CLAYSTONE: medium dark grey-brown, slightly carbonaceous in top 10cm, massive below.		
8.00			5.43	5.92	0.49	SILTSTONE: yellowish-tan, oxidized, with dark carbonaceous inclusions normal to bedding.		
8.25			5.92	6.08	0.16	CLAYSTONE: medium grey-brown.		
8.50			6.08	6.37	0.29	CLAYSTONE: dark grey.	Sw, Sheared	
8.75			6.37	6.59	0.22	CLAYSTONE: dark grey, somewhat carbonaceous.	Sw, Sheared	
9.00			6.59	6.66	0.07	CLAYSTONE: yellow-stained, increasingly carbonaceous with depth.	Sheared	
9.25			6.66	6.78	0.12	COAL: dull to dull-banded, fairly firm.		
9.50		E3	6.78	6.87	0.09	COAL: boney-stoney, dull, soft and clayey.	Sw, Sheared	
9.75			6.87	6.94	0.07	Carbonaceous CLAYSTONE: black, soft.	Sheared	
10.00			6.94	7.25	0.31	CLAYSTONE: dark grey, somewhat carbonaceous, gradational unit.		
10.25			7.25	7.63	0.38	CLAYSTONE: medium grey-brown with oxidized fracture coatings. Grades into siltstone below.		
10.50			7.63	8.23	0.60	SILTSTONE: medium grey-brown, massive.		
10.75			8.23	8.88	0.65	SILTSTONE: Oxidized yellowish-brown, massive.		
11.00			8.88	8.88		End of trench at 8.88m.		

ROMAN MOUNTAIN - Trenching

Depth (m)	Lithology Column	Coal Seam	From (m)	To (m)	True Thickness (m)	INTERVAL DESCRIPTION		Horizontal Width (m)	Core Quality	Bedding
						Bedding was measured as both true and horizontal widths.				
0.00						Following intervals measured as true thicknesses.				
0.25										
0.50			0.00	1.00	1.00	CLAYSTONE: medium to dark grey, massive. Bedding orientation 155/38. Following intervals measured as true widths.				155/38°NE
0.75										
1.00										
1.25										
1.50										
1.75										
2.00										
2.25			1.00	3.55	2.55	CONGLOMERATE: granule, massive. White and black chert clasts predominate.				
2.50										
2.75										
3.00										
3.25										
3.50										
3.55			3.55	3.64	0.09	Carbonaceous CLAYSTONE: black, soft.				Pulverized
3.64			3.64	3.68	0.04	CLAYSTONE: dark grey, hard.				
3.68		D2	3.68	3.92	0.24	COAL: dull, uniform.				
3.92			3.92	4.10	0.18	Carbonaceous CLAYSTONE: black, high-carbon, possibly includes some stoney coal band.				
4.10			4.10	4.80	0.70	CLAYSTONE: dark grey, massive. Oxidized coatings common on curved cleavage surfaces.				
4.80			4.80	5.74	0.94	CLAYSTONE: as above, coatings yellowish.				Sw. Sheared
5.74			5.74	5.84	0.10	CLAYSTONE: medium to dark grey, a few carbonaceous inclusions.				Sw. Sheared
5.84			5.84	5.86	0.02	Carbonaceous CLAYSTONE: black, soft. Top of D2 seam				Sw. Sheared
5.86		D2	5.86	5.97	0.11	COAL: dull-banded.				Sw. Sheared
5.97			5.97	6.04	0.07	COAL: dull.				
6.04			6.04	6.22	0.18	COAL: bright-banded.				
6.22			6.22	6.32	0.10	CLAYSTONE: dark grey to black, hard, massive.				
6.32			6.32	6.56	0.24	COAL: dull-banded with occasional fusain lenses to 4cm.				
6.56			6.56	6.74	0.18	COAL: dull and bright - clarain.				
6.74			6.74	6.83	0.09	COAL: dull.				
6.83			6.83	6.91	0.08	COAL: bright.				
6.91		D2	6.91	7.07	0.16	COAL: dull and bright - clarain.				Sw. Sheared
7.07			7.07	7.21	0.14	COAL: dull-banded.				
7.21			7.21	7.32	0.11	COAL: dull and bright.				Sw. Sheared
7.32			7.32	7.40	0.08	COAL: bright-banded.				Sw. Sheared
7.40			7.40	7.49	0.09	COAL: dull, somewhat clayey.				Sw. Sheared
7.49			7.49	7.63	0.14	COAL: dull-banded.				Sw. Sheared
7.63			7.63	7.63						
7.63			7.63	7.98	0.22	COAL: polished flakes. Following intervals measured as horizontal widths.		0.35		Sheared
7.98			7.98	8.11	0.08	COAL: dull.		0.13		
8.11			8.11	8.28	0.11	COAL: dull, quite hard.		0.17		Sheared
8.28			8.28	8.63	0.22	COAL: dull, fairly soft.		0.35		Sw. Sheared
8.63			8.63	8.71	0.05	COAL: polished flakes.		0.05		Sheared
8.71			8.71	8.87	0.10	COAL: dull to dull-banded, firm.		0.16		
8.87			8.87	8.94	0.04	COAL: bright-banded, firm.		0.07		
8.94			8.94	9.22	0.17	COAL: dull-banded.		0.28		
9.22			9.22	9.64	0.25	COAL: dull, with occasional fusain lenses.		0.41		
9.64			9.64	9.82	0.11	COAL: dull, soft.		0.18		Sw. Sheared
9.82			9.82	10.55	0.45	COAL: dull to dull-banded, firm, a few fusain lenses.		0.73		
10.55			10.55	11.06	0.32	COAL: Dull coal, polished flakes.		0.51		Sheared
11.06			11.06	11.11	0.03	Carbonaceous CLAYSTONE: Black, soft.		0.05		Sheared
11.11		D2	11.11	11.19	0.04	COAL: dull and bright - clarain. Bottom of D2 seam.		0.07		

Depth (m)	Lithology Column	Coal Seam	From (m)	To (m)	True Thickness (m)	INTERVAL DESCRIPTION		Horizontal Width (m)	Core Quality	Bedding
						Bedding was measured as both true and horizontal widths.				
11.50			11.19	11.54	0.22	Carbonaceous CLAYSTONE: black, a few rusty, oxidized stains.	0.35	Sw Sheared		
11.75			11.54	11.99	0.28	CLAYSTONE: dark grey, somewhat carbonaceous.	0.45	Sheared		
13.25			11.99	14.49	1.54	CLAYSTONE: medium grey, massive, crumbly, with occasional rusty oxidation on fracture surfaces.	2.50			
14.50			14.49	14.49	End of trench at 14.49m.					

Depth (m)	Lithology Column	Coal Seam	From (m)	To (m)	True Thickness (m)	INTERVAL DESCRIPTION All intervals were measured as true widths.	Core Quality	Bedding
0.00								
0.25								
0.50								
0.75								
1.00								
1.25								
1.50			0.00	2.90	2.90	SANDSTONE: medium to fine-grained, rusty yellow orange, vaguely bedded. Color is medium grey-brown where unoxidized.		
1.75								
2.00								
2.25								
2.50								
2.75								
3.00								
3.25			2.90	3.68	0.78	SANDSTONE: fine-grained, buff color, vaguely bedded.		
3.50								
3.75			3.68	3.84	0.16	SILTSTONE: medium brown, gradational zone.		
4.00			3.84	3.95	0.11	CLAYSTONE: dark grey, slightly carbonaceous, thinly laminated. Bedding orientation is 130/66.	Sw. Sheared	130/66°NE
4.25			3.95	4.35	0.40	CLAYSTONE: buff color, massive. A few concretions present.		
4.50								
4.75			4.35	4.96	0.61	CLAYSTONE: light buff to medium grey, variable, with occasional carbonaceous material on partings.		
5.00			4.96	5.00	0.04	Carbonaceous CLAYSTONE: dark grey-black, gradational zone. Top of E1.		
5.25			5.00	5.10	0.10	COAL: dull.		
5.50			5.10	5.19	0.09	COAL: dull, soft, powdery.		
5.75		E1	5.19	5.57	0.38	COAL: dull, fairly firm.		
6.00			5.57	5.76	0.19	COAL: dull, soft.		
6.25		E1	5.76	5.93	0.17	COAL: dull, firm.		
6.50			5.93	6.11	0.18	COAL: dull, with occasional claystone lenses to 1cm.		
6.75		E1	6.11	6.17	0.06	Carbonaceous CLAYSTONE: black.		
7.00			6.17	6.36	0.19	COAL: dull, soft, powdery.		
7.25		E1	6.36	6.46	0.10	COAL: boney and stoney coal, clayey where weathered.		
7.50			6.46	6.53	0.07	CLAYSTONE: dark grey, massive. Rusty coatings on fracture surfaces.		
7.75		E2	6.53	6.81	0.28	COAL: dull, soft, often powdery.		
8.00			6.81	6.87	0.06	Carbonaceous CLAYSTONE: dark grey-black, flakey.		
8.25		E2	6.87	7.15	0.28	CLAYSTONE: dark grey with some carbonaceous claystone zones.		
8.50			7.15	7.25	0.10	COAL: dull, firm.		
8.75			7.25	7.26	0.01	COAL: stoney coal, weathered and clayey.		
9.00			7.26	7.60	0.34	COAL: dull, firm.		
9.25		E3	7.60	7.68	0.08	Carbonaceous CLAYSTONE: black, high-carbon.		
9.50			7.68	7.92	0.24	COAL: dull, firm.		
9.75			7.92	7.96	0.04	Carbonaceous CLAYSTONE: dark grey-black, gradational contact zone.		
10.00			7.96	8.16	0.20	CLAYSTONE: medium-dark grey, massive, crumbly with occasional carbonaceous inclusions.		
10.25			8.16	8.30	0.14	CLAYSTONE: massive, as above but not crumbly. Prominent root traces normal to bedding.		
10.50			8.30	8.46	0.16	SILTSTONE: clayey, medium grey weathering rusty orange, with root traces as above.		
10.75			8.46	8.86	0.40	CLAYSTONE: medium grey-brown, bedded.		
11.00			8.86	8.93	0.07	CLAYSTONE: dark grey, some carbon content.	Sw. Sheared	
11.25			8.93	9.01	0.08	Carbonaceous CLAYSTONE: gradational contact zone.	Sw. Sheared	
			9.01	9.12	0.11	COAL: dull-banded to dull-and-bright.		
			9.12	9.27	0.15	COAL: dull, soft, often powdery.		
			9.27	9.38	0.11	Carbonaceous CLAYSTONE: black, flaked.	Sw. Sheared	
			9.38	9.43	0.05	COAL: dull-banded.	Crushed	
			9.43	9.50	0.07	CLAYSTONE: medium grey-brown, occasional carbonaceous partings.		
			9.50	9.67	0.17	SILTSTONE: clayey, medium grey-brown.		
			9.67	10.13	0.46	SILTSTONE: medium-light brown, bedded. Bedding orientation is 110/58.		110/58°NE
			10.13	10.88	0.75	SILTSTONE: medium-light brown, massive.		
			10.88	11.45	0.57	CLAYSTONE: medium grey-brown, fairly massive, increasingly crumbly with depth.		

Depth (m)	Lithology Column	Coal Seam	From (m)	To (m)	True Thickness (m)	INTERVAL DESCRIPTION		Core Quality	Bedding
						All intervals were measured as true widths.			
11.50			11.45	11.49	0.04	Carbonaceous CLAYSTONE: dark grey-black.			
11.75			11.49	11.91	0.42	CLAYSTONE: medium grey-brown.			
12.00			11.91	12.11	0.20	SILTSTONE: rusty weathering.			
12.25									
12.50									
12.75			12.11	13.11	1.00	CLAYSTONE: brown and dark grey, heterogeneous interval.			
13.00			13.11	13.11		End of trench at 13.11m.			

Depth (m)	Lithology Column	Coal Seam	From (m)	To (m)	True Thickness (m)	INTERVAL DESCRIPTION All intervals were measured as true widths.	Core Quality	Bedding
0.00			0.00	0.20	0.20	CLAYSTONE: medium grey-brown, lowest 1cm is somewhat carbonaceous.		
0.25								
0.50								
0.75								
1.00								
1.25			0.20	2.50	2.30	SANDSTONE: fine-grained, medium grey, weathers rusty orange. Visible pyrite <0.1%. Vague bedding throughout, lowest 50cm thinly laminated.		
1.50								
1.75								
2.00								
2.25								
2.50			2.50	2.74	0.24	SILTSTONE: medium grey-brown, gradational zone, thinly laminated.		135/60°SW
2.75								
3.00			2.74	3.43	0.69	CLAYSTONE: medium grey-brown, bedded, soft, with minor rusty stain on some beds.		
3.25								
3.50			3.43	3.51	0.08	CLAYSTONE: as above, sheared parallel to bedding.	Sheared	
3.75								
4.00			3.51	4.47	0.96	CLAYSTONE: medium grey-brown, concretionary.		
4.25								
4.50			4.47	4.77	0.30	CLAYSTONE: silty, as above.		
4.75								
5.00			4.77	5.29	0.52	CLAYSTONE: medium grey-brown, thinly-bedded, nodular.		
5.25								
5.50			5.29	6.10	0.81	CLAYSTONE: as above, with occasional coaly lenses to 2cm.		
5.75								
6.00			6.10	6.16	0.06	COAL: soft, clayey - weathered stoney coal.		
6.25		G	6.16	6.33	0.17	COAL: dull, very soft, a bit clayey.		
6.50			6.33	6.47	0.14	Carbonaceous CLAYSTONE: dark grey, soft, massive.		
6.75			6.47	6.75	0.28	COAL: boney, soft and oxidized.		
7.00			6.75	7.15	0.40	COAL: dull, firm.		
7.25		G	7.15	7.18	0.03	COAL: soft, fusain.		
7.50			7.18	7.46	0.28	COAL: dull to dull-banded, firm.		
7.75			7.46	7.61	0.15	COAL: dull, with occasional claystone laminae throughout.	Sw. Sheared	
8.00			7.61	7.69	0.08	Carbonaceous CLAYSTONE: black, high-carbon, polished flakes.	Sheared	
8.25			7.69	7.89	0.20	COAL: dull, polished flakes.	Sheared	
8.50			7.89	8.06	0.17	COAL: dull.	Sw. Sheared	
8.75			8.06	8.43	0.37	COAL: dull, firm.		
9.00			8.43	8.63	0.20	COAL: dull, high-ash.		
9.25			8.63	8.77	0.14	COAL: stoney coal, weathered, clayey and soft.		
9.50			8.77	8.95	0.18	COAL: dull, soft.	Sw. Sheared	
9.75			8.95	9.15	0.20	COAL: stoney coal, weathered, clayey and soft.		
10.00			9.15	9.27	0.12	COAL: dull, soft.		
10.25			9.27	9.41	0.14	COAL: stoney coal, weathered, clayey and soft.		
10.50		I	9.41	9.69	0.28	COAL: dull, soft.		
10.75			9.69	10.10	0.41	COAL: stoney coal, weathered, clayey and soft.		
11.00			10.10	10.19	0.09	COAL: dull, soft.		
11.25			10.19	10.24	0.05	Carbonaceous CLAYSTONE: black, soft.		
			10.24	10.33	0.09	CLAYSTONE: dark grey, hard.		
			10.33	11.25	0.92	Carbonaceous CLAYSTONE: with boney and stoney coal.	Sw. Sheared	

Depth (m)	Lithology Column	Coal Seam	From (m)	To (m)	True Thickness (m)	INTERVAL DESCRIPTION		Core Quality	Bedding
						All intervals were measured as true widths.			
11.50			11.25	12.17	0.92	CLAYSTONE: dark grey-brown, fairly massive.		Sw. Sheared	
11.75									
12.00			12.17	13.17	1.00	COAL: dull, soft.			
12.25									
12.50						End of trench at 13.17m.			
12.75						Bottom of J seam is covered by overburden, no thickness measurement possible.			
13.00									
13.25									

Depth (m)	Lithology Column	Coal Seam	From (m)	To (m)	True Thickness (m)	INTERVAL DESCRIPTION All intervals were measured as true widths.	Core Quality	Bedding
0.00								
0.25								
0.50								
0.75								
1.00								
1.25								
1.50								
1.75								
2.00								
2.25								
2.50								
2.75								
3.00								
3.25								
3.50								
3.75								
4.00								
4.25								
4.50								
4.75								
5.00			0.00	10.00	10.00	CONGLOMERATE: semi-continuous outcrop in ditch. Generally massive, fine chert pebble-granule conglomerate.		112/55°N
5.25								
5.50								
5.75								
6.00								
6.25								
6.50								
6.75								
7.00								
7.25								
7.50								
7.75								
8.00								
8.25								
8.50								
8.75								
9.00								
9.25								
9.50								
9.75								
10.00								
10.25								
10.50								
10.75								
11.00			10.00	12.00	2.00	CONGLOMERATE: massive, fine chert granule conglomerate.		
11.25								

Depth (m)	Lithology Column	Coal Seam	From (m)	To (m)	True Thickness (m)	INTERVAL DESCRIPTION All intervals were measured as true widths.	Core Quality	Bedding
11.50								
11.75								
12.00								
12.25		D1	12.00	12.03	0.03	Carbonaceous CLAYSTONE: dark brown, sandy contact zone.		
12.50			12.03	12.43	0.40	COAL: dull, lower 10cm increasingly clayey.	Sw. Sheared	
12.75			12.43	12.64	0.21	Carbonaceous CLAYSTONE: dark grey to black, decreasing carbon content with depth.	Sw. Sheared	
13.00								
13.25			12.64	13.64	1.00	CLAYSTONE: dark grey, silty, massive.	Sw. Sheared	
13.50								
13.75			13.64	13.64		End of trench at 13.40m.		

COMPANY: NORTHERN ENERGY MINING INC
WELL: QBD 7651
FIELD: ROMAN MTN
COUNTY: TUMBLER RIDGE
STATE: BRITISH COLUMBIA

OTHER SERVICES:
9057
9034
9410

LOCATION: :
SECTION: :
TOWNSHIP: :
RANGE: :
API NO.: :
UNIQUE WELL ID.: :

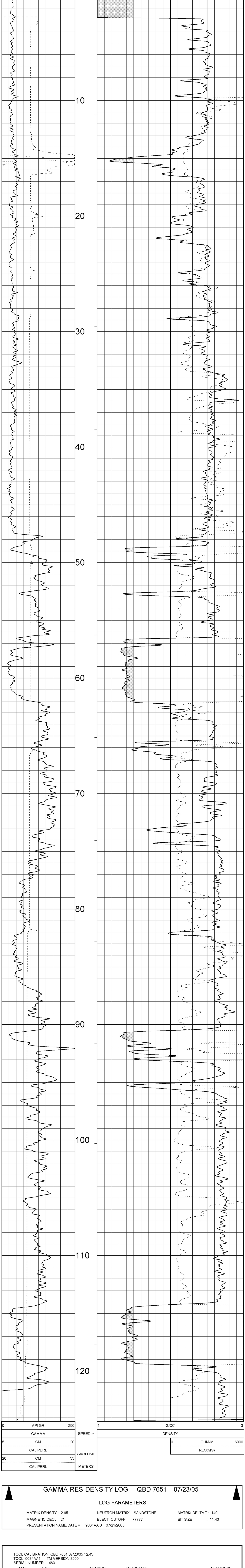
PERMANENT DATUM: GL
LOG MEASURED FROM: GL
DRL MEASURED FROM: GL
ELEVATION NG: :
ELEVATION DF: :
ELEVATION GL: :

DATE: 07/23/05
DEPTH DRILLER: 128
BIT SIZE: 11.43
LOG TOP: 0.22
LOG BOTTOM: 124.32
CASING OD: 10.2
CASING BOTTOM: 304
CASING TYPE: HW
BORHOLE FLUID: :
RM TEMPERATURE: :
MUD RES: :
MUD WEIGHT: :
RECORDED BY: J. SINKWICH
REMARKS 1: :
REMARKS 2: :
ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS.

GAMMA-RES-DENSITY LOG QBD 7651 07/23/05

LOG PARAMETERS

MATRIX DENSITY : 2.65 NEUTRON MATRIX : SANDSTONE MATRIX DELTA T : 140
MAGNETIC DECL : 21 ELECT. CUTOFF : 77777 BIT SIZE : 11.43
PRESENTATION NAME/DATE = 9034AA.0 07/21/2005



GAMMA-RES-DENSITY LOG QBD 7651 07/23/05

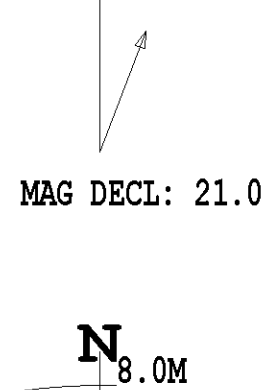
LOG PARAMETERS

MATRIX DENSITY : 2.65 NEUTRON MATRIX : SANDSTONE MATRIX DELTA T : 140
MAGNETIC DECL : 21 ELECT. CUTOFF : 77777 BIT SIZE : 11.43
PRESENTATION NAME/DATE = 9034AA.0 07/21/2005

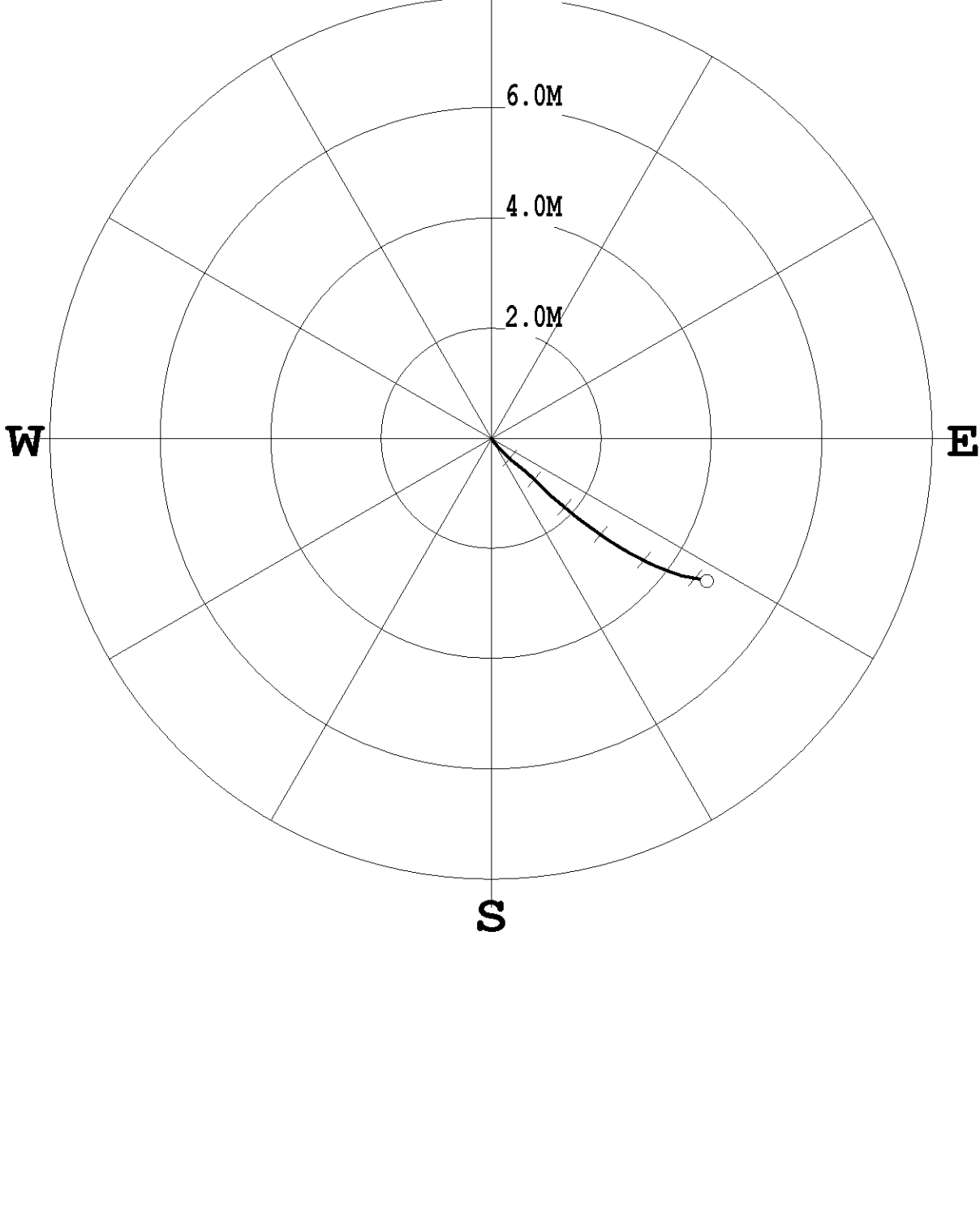
DATE	TIME	SENSOR	STANDARD	RESPONSE
Jul18,05	22:31:09	GAMMA	Default [CPS]	Default [CPS]
Jul18,05	21:31:09	GAMMA	123.000 [API-GR]	223.00 [CPS]
Jul18,05	21:31:45	DENSITY	1.106 [G/CC]	4848.00 [CPS]
Jul18,05	21:31:45	DENSITY	2.612 [G/CC]	1066.00 [CPS]
Jul18,05	21:30:32	RES(MG)	Default [CPS]	Default [CPS]
Jul18,05	21:30:32	RES(MG)	Default [CPS]	Default [CPS]
Jul18,05	21:34:21	CALIPER	10.160 [CM]	62979.00 [CPS]
Jul18,05	21:34:21	CALIPER	14.732 [CM]	82599.00 [CPS]
Jul18,05	21:34:55	DENSITYH	1.106 [G/CC]	36460.00 [CPS]
Jul18,05	21:34:55	DENSITYH	2.475 [G/CC]	10050.00 [CPS]
Jul18,05	21:35:51	CALIPERL	14.732 [CM]	58561.00 [CPS]
Jul18,05	21:35:51	CALIPERL	25.400 [CM]	85885.00 [CPS]
Aug02,99	06:17:32	RES	Default [CPS]	Default [CPS]
Aug02,99	06:17:32	RES	Default [CPS]	Default [CPS]
Apr12,02	00:42:07	POR(NEU)	100.000 [PERCENT]	178.00 [CPS]

PLAN VIEW COMPU-LOG DEVIATION

CLIENT: NORTHERN ENERGY MINING INC
LOCATION: ROMAN MTN
HOLE ID: QBD 7651
DATE OF LOG: 07/23/05
PROBE: 9057A 1067

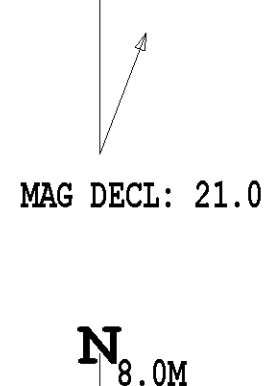


SCALE: 1 M/CM
TRUE DEPTH: 124.46 M
AZIMUTH: 123.5
DISTANCE: 4.7 M
+ = 20 M INCR
○ = BOTTOM OF HOLE

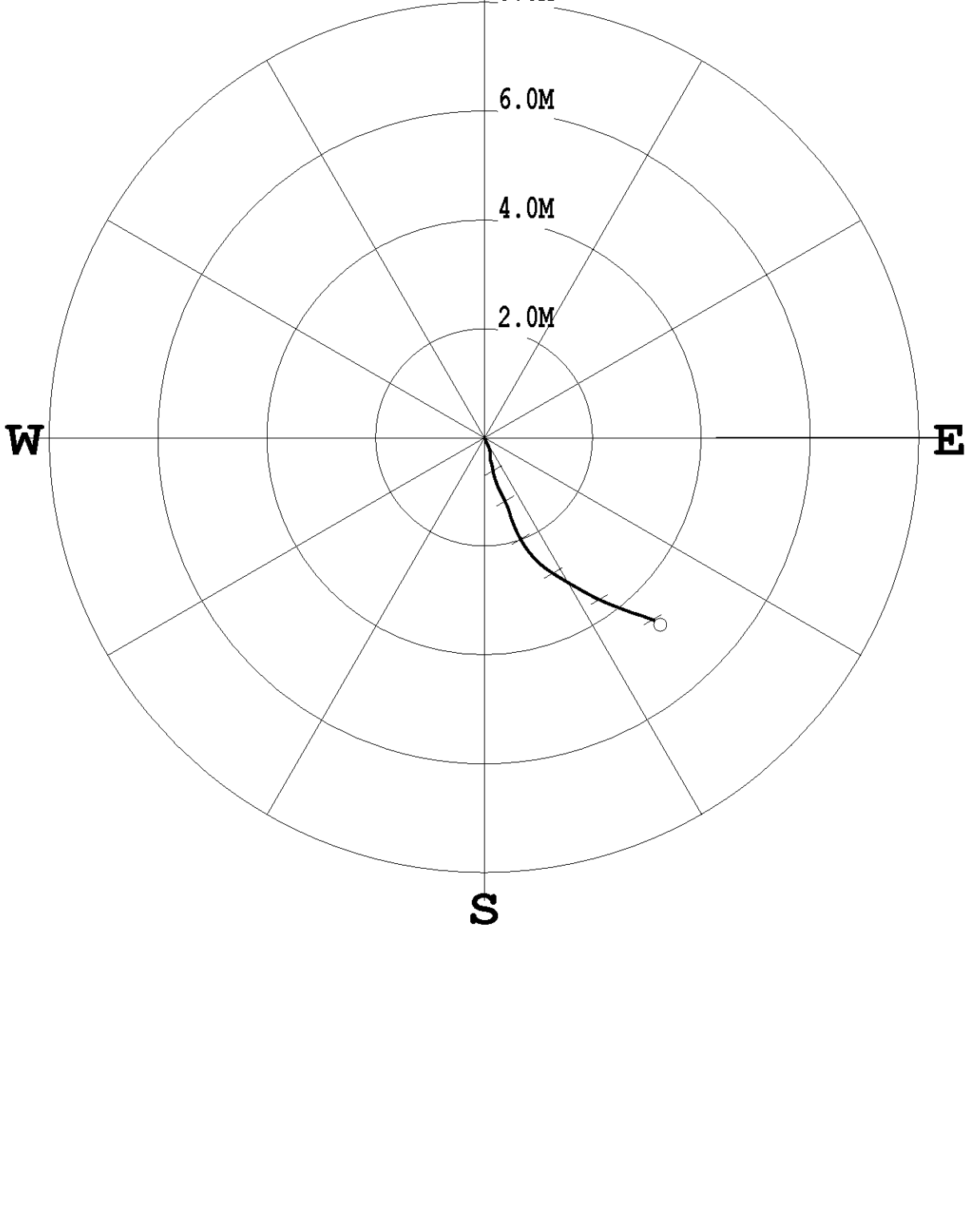


PLAN VIEW COMPU-LOG DEVIATION

CLIENT: NORTHERN ENERGY MINING INC
LOCATION: ROMAN MTN
HOLE ID: QBD 7651
DATE OF LOG: 07/23/05
PROBE: 9410A 377



SCALE: 1 M/CM
TRUE DEPTH: 124.08 M
AZIMUTH: 136.7
DISTANCE: 4.7 M
+ = 20 M INCR
○ = BOTTOM OF HOLE

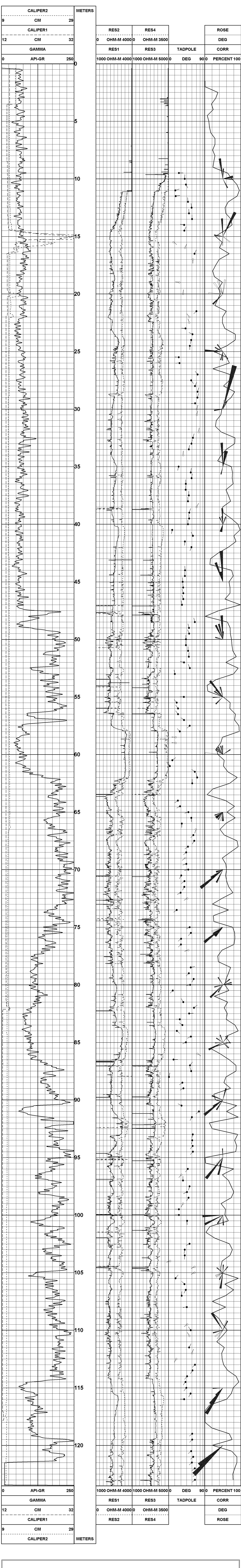


COMPANY	NORTHERN ENERGY MINING INC	OTHER SERVICES:	
WELL	QBD 7651	9057	
FIELD	ROMAN MTN	9034	
COUNTY	TUMBLER RIDGE	9410	
STATE	BRITISH COLUMBIA		

LOCATION		ELEVATION KG:	
SECTION		ELEVATION DF:	
TOWNSHIP		DRL MEASURED FROM SL:	
RANGE		ELEVATION SL:	
API NO.			
UNIQUE WELL ID.			

PERMANENT DATUM	SL
LOG MEASURED FROM	SL
DATE	07/23/05
DEPTH DRILLER	:28
BIT SIZE	11.43
LOG TOP	0.38
LOG BOTTOM	123.50
CASING OD	:10.2
CASING BOTTOM	3.04
CASING TYPE	4WV
BOREHOLE FLUID	
RM TEMPERATURE	
MUD RES	
MUD WEIGHT	

RECORDED BY	J. SINKWICH
REMARKS 1	
REMARKS 2	
ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS	



API-GR	250	1000 OHM-M 4000	1000 OHM-M 5000	DEG	90	PERCENT 100
GAMMA		RES1	RES3	TADPOLE		CORR
CM	32	0 OHM-M 4000	0 OHM-M 3500			DEG
CALIPER1		RES2	RES4			ROSE
CM	29					
CALIPER2						

DATE	TIME	SENSOR	STANDARD	RESPONSE
Dec19,03	16:08:45	GAMMA	20.000 [API-GR]	5.00 [CPS]
Dec19,03	16:08:45	GAMMA	275.000 [CPS]	140.00 [CPS]
Mar16,04	16:33:35	VOLTAGE	Default [CV]	Default [CPS]
Mar16,04	16:33:35	VOLTAGE	341.000 [MV]	1830.00 [CPS]
Mar16,04	16:33:49	CUR1	Default [CPS]	Default [CPS]
Mar16,04	16:33:49	CUR2	2135.000 [UA]	18740.00 [CPS]
Mar16,04	16:34:03	CUR3	Default [CPS]	Default [CPS]
Mar16,04	16:34:03	CUR4	2135.000 [UA]	19170.00 [CPS]
Mar16,04	16:34:18	CUR3	Default [CPS]	Default [CPS]
Mar16,04	16:34:18	CUR4	2135.000 [UA]	17360.00 [CPS]
Mar16,04	16:34:31	CUR4	Default [CPS]	Default [CPS]
Mar16,04	16:34:31	CUR4	2135.000 [UA]	13950.00 [CPS]
Mar16,04	17:09:48	CALIPER	15.240 [INCH]	10944.00 [CPS]
Mar16,04	17:09:48	CALIPER	20.320 [INCH]	13890.00 [CPS]

COMPANY: NORTHERN ENERGY MINING INC
WELL: QBD 7651
FIELD: ROMAN MTN
COUNTY: TUMBLER RIDGE
STATE: BRITISH COLUMBIA

OTHER SERVICES:
9037
9034
9410
9410

LOCATION:
SECTION:
TOWNSHIP:
RANGE:
API NO.:

PERMANENT DATUM: GL
LOG MEASURED FROM: GL
DRL MEASURED FROM: GL
ELEVATION KG:
ELEVATION DF: :
ELEVATION GL: :

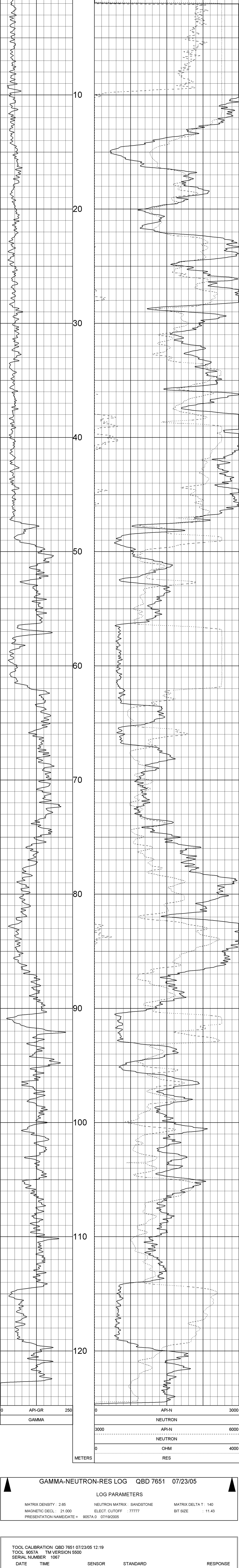
DATE: 07/23/05
DEPTH DRILLER: 128
BIT SIZE: 11.43
LOG TOP: 0.24
LOG BOTTOM: -124.73
CASING OD: -10.2
CASING BOTTOM: 3.04
CASING TYPE: HW
BOREHOLE FLUID: :
RM TEMPERATURE: :
MUD RES: :
MUD WEIGHT: :

RECORDED BY: J. SIMKOWICH
REMARKS 1: :
REMARKS 2: :
ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS

GAMMA-NEUTRON-RES LOG QBD 7651 07/23/05

LOG PARAMETERS

MATRIX DENSITY : 2.65 NEUTRON MATRIX : SANDSTONE MATRIX DELTA T : 140
MAGNETIC DECL : 21.000 ELECT. CUTOFF : 77777 BIT SIZE : 11.43
PRESENTATION NAME/DATE = 9057A.0 07/19/2005



GAMMA-NEUTRON-RES LOG QBD 7651 07/23/05

LOG PARAMETERS

MATRIX DENSITY : 2.65 NEUTRON MATRIX : SANDSTONE MATRIX DELTA T : 140
MAGNETIC DECL : 21.000 ELECT. CUTOFF : 77777 BIT SIZE : 11.43
PRESENTATION NAME/DATE = 9057A.0 07/19/2005

TOOL CALIBRATION QBD 7651 07/23/05 12:19
TOOL 9057A TM VERSION 5500
SERIAL NUMBER 1067

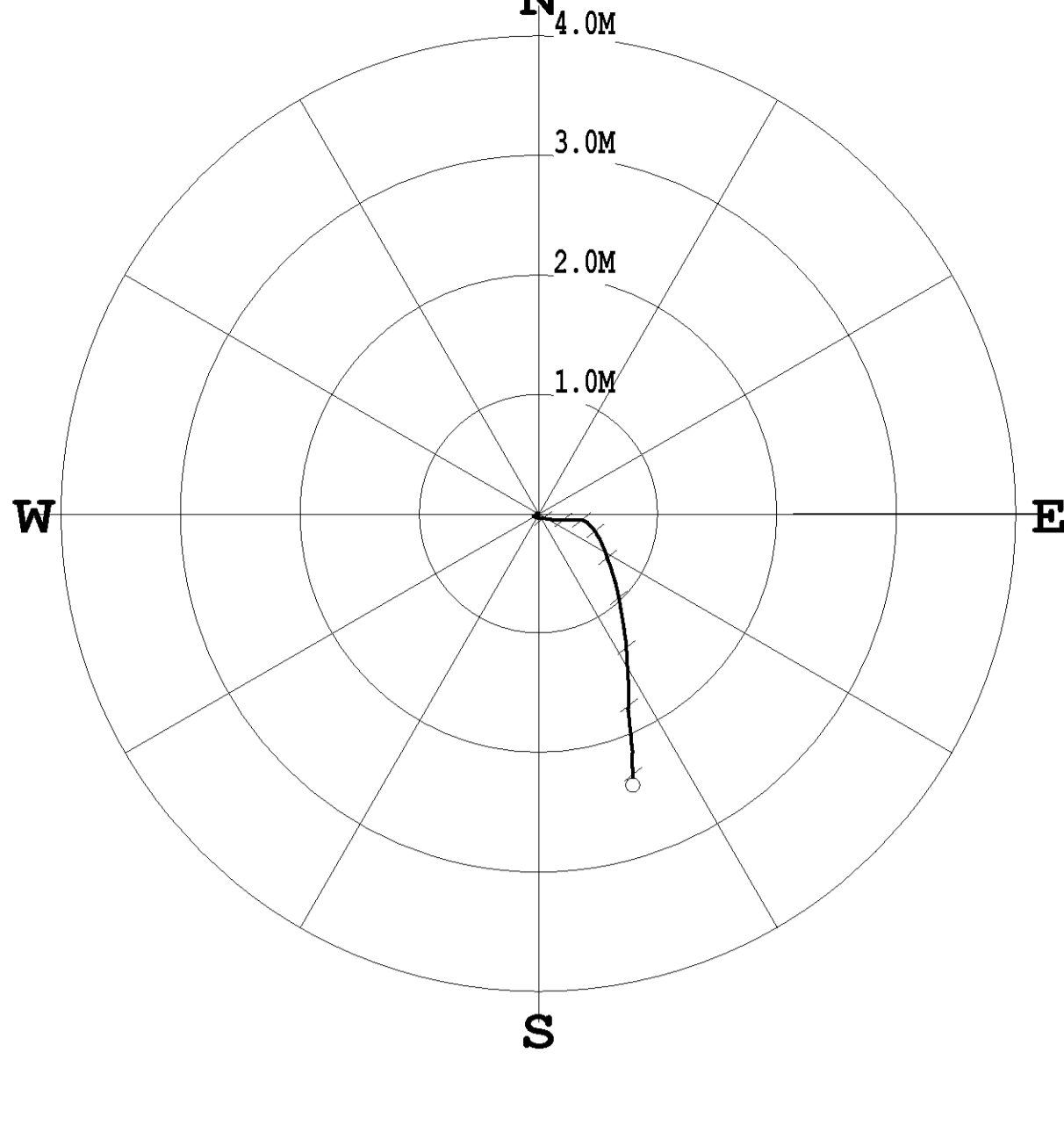
DATE	TIME	SENSOR	STANDARD	RESPONSE
1	Apr12.02 01:41:30	GAMMA	0.000 [API-GR]	10.00 [CPS]
2	Apr12.02 00:41:30	GAMMA	290.000 [API-GR]	350.00 [CPS]
3	Aug02.99 06:17:32	NEUTROI	Default [CPS]	Default [CPS]
4	Aug02.99 06:17:32	SP	Default [CPS]	Default [CPS]
5	Aug02.99 06:17:32	RES(16N)	Default [CPS]	Default [CPS]
6	Aug02.99 06:17:32	RES(64N)	Default [CPS]	Default [CPS]
7	Aug02.99 06:17:32	TEMP	Default [CPS]	Default [CPS]
8	Mar08.02 15:30:38	RES	Default [CPS]	Default [CPS]
9	Aug02.99 06:17:32	RES	Default [CPS]	Default [CPS]

PLAN VIEW COMPU-LOG DEVIATION

CLIENT: NORTHERN ENERGY MINING INC
LOCATION: ROMAN MTN
HOLE ID: QBD 7653
DATE OF LOG: 07/13/05
PROBE: 9055A 80

MAG DECL: 21.0

SCALE: 1 M/CM
TRUE DEPTH: 91.37 M
AZIMUTH: 160.8
DISTANCE: 2.4 M
+ = 10 M INCR
○ = BOTTOM OF HOLE

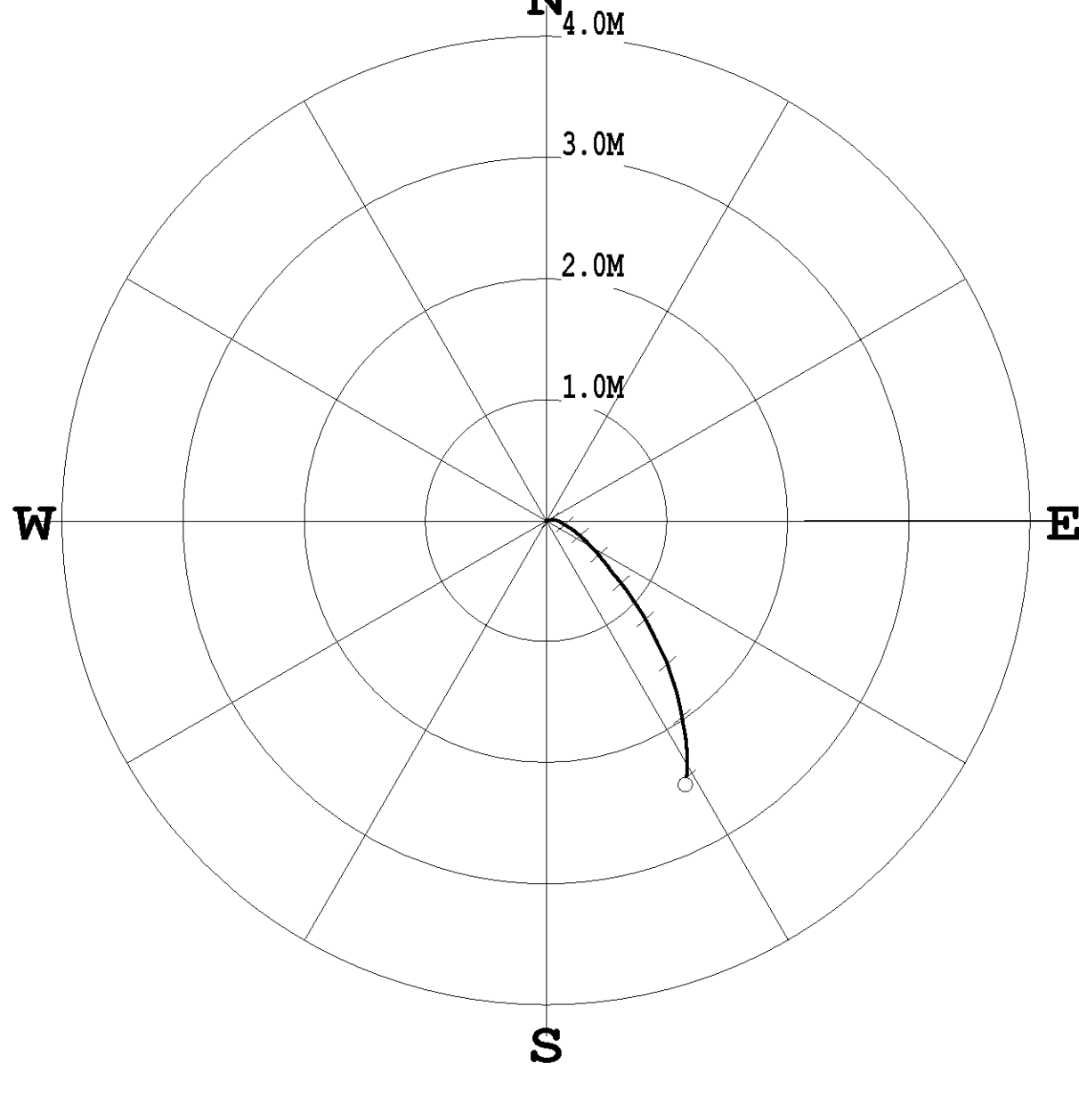


PLAN VIEW COMPU-LOG DEVIATION

CLIENT: NORTHERN ENERGY MINING INC
LOCATION: ROMAN MTN
HOLE ID: QBD 7653
DATE OF LOG: 07/13/05
PROBE: 9410A 377

MAG DECL: 21.0

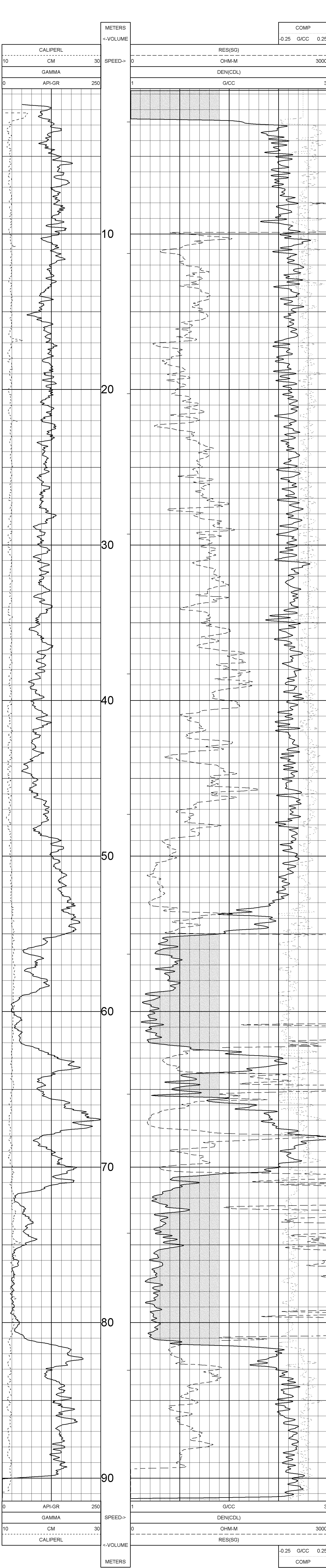
SCALE: 1 M/CM
TRUE DEPTH: 90.95 M
AZIMUTH: 152.2
DISTANCE: 2.5 M
+ = 10 M INCR
○ = BOTTOM OF HOLE



**GAMMA - CALIPER - RESISTIVITY
COMPENSATED DENSITY**

QBD 7653

COMPANY	NORTHERN ENERGY MINING INC	OTHER SERVICES:	
WELL	QBD 7653	9055	
FIELD	ROMANI MTN	9139	
MUNICIPALITY	TUMBLER RIDGE		
PROVINCE	BRITISH COLUMBIA		
LOCATION			
SECTION			
TOWNSHIP			
RANGE			
API NO.			
UNIQUE WELL ID.			
PERMANENT DATUM	GL	ELEVATION (B):	
LOG MEASURED FROM GL		ELEVATION (F):	
DRL MEASURED FROM GL		ELEVATION (L):	
DATE	07/13/05		
RUN NO.	2		
DEPTH DRILLER	88		
BIT SIZE	11.43		
LOG TOP	0.64		
LOG BOTTOM	91.44		
CASING OD	10.2		
CASING BOTTOM	3.04		
CASING TYPE	HW		
BOREHOLE FLUID			
BM TEMPERATURE			
MUD RES			
WITNESSED BY	RON		
RECORDED BY	T. BOOS		
REMARKS 1	HOLE ANGLE 85 DEGREES AZIMUTH 203 DEGREES		
REMARKS 2			



TOOL CALIBRATION QBD 7653 07/13/05 12:03
TOOL 9139A1
SERIAL NUMBER 963

DATE	TIME	SENSOR	STANDARD	RESPONSE
1	Apr14,04 15:57:31	GAMMA	0.000 [API-GR]	6.00 [CPS]
2	Apr14,04 15:57:31	GAMMA	331.000 [API-GR]	488.00 [CPS]
3	Apr14,04 15:57:37	VOLTAGE	0.000 [MV]	5095.00 [CPS]
4	Apr14,04 15:57:37	VOLTAGE	1740.210 [MV]	142354.00 [CPS]
5	Apr14,04 17:20:00	CALIPER	7.850 [INCH]	90360.00 [CPS]
6	Apr14,04 17:20:00	CALIPER	3.850 [INCH]	52980.00 [CPS]
7	Nov29,04 21:17:27	DEN(LS)	1.106 [G/CC]	9557.00 [CPS]
8	Nov29,04 21:17:27	DEN(SS)	2.612 [G/CC]	573.00 [CPS]
9	Nov29,04 21:18:07	DEN(SS)	1.106 [G/CC]	16034.00 [CPS]
10	Nov29,04 21:18:07	DEN(SS)	2.612 [G/CC]	5131.00 [CPS]
11	May08,05 11:26:04	CALIPERL	7.620 [INCH]	47938.00 [CPS]
12	May08,05 11:26:04	CALIPERL	25.400 [INCH]	79160.00 [CPS]
13	Apr14,04 15:58:08	CURRENT	0.000 [UA]	4640.00 [CPS]
14	Apr14,04 15:58:08	CURRENT	249.000 [UA]	37608.00 [CPS]
15	Apr14,04 15:58:28	TEMP	170.000 [DEG F]	95500.00 [CPS]
16	Apr14,04 15:58:28	TEMP	68.000 [DEG F]	50541.00 [CPS]

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS



DIPMETER

QBD 7653

century-geo.com
NORTHERN ENERGY MINING INC
QBD 7653
ROMAN MTN
TUMBLER RIDGE
BRITISH COLUMBIA

OTHER SERVICES:
9055
9139
9410

COMPANY : NORTHERN ENERGY MINING INC
WELL : QBD 7653
FIELD : ROMAN MTN
MUNICIPALITY : TUMBLER RIDGE
PROVINCE : BRITISH COLUMBIA

LOCATION :
SECTION :
TOWNSHIP :
RANGE :
API NO. :
UNIQUE WELL ID. :

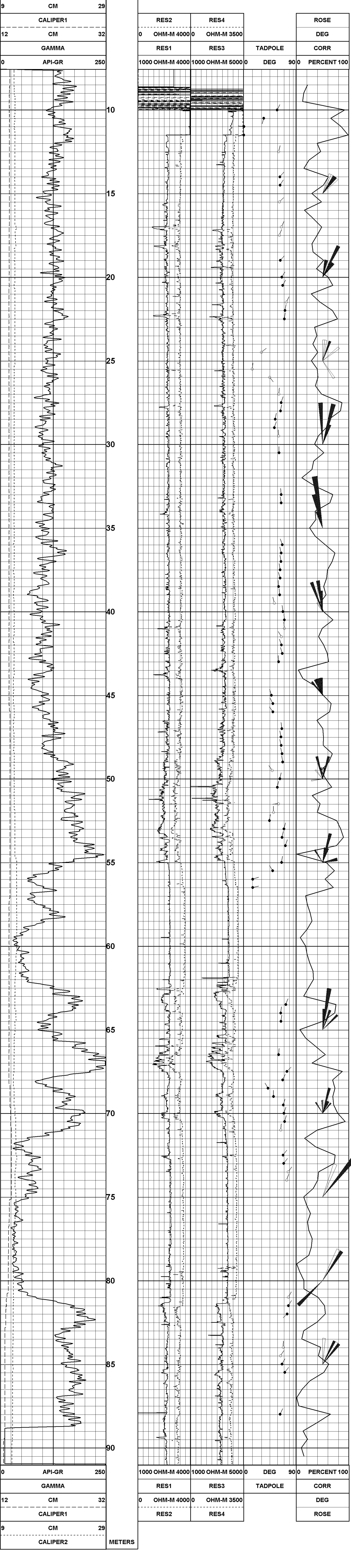
PERMANENT DATUM : GL
LOG MEASURED FROM : GL
DRI MEASURED FROM : GL
DATE : 07/13/05

ELEVATION KB :
ELEVATION DF :
ELEVATION GL :

RUN NO. : 3
DEPTH DRILLER : 88
BIT SIZE : 11.43
LOG TOP : 7.55
LOG BOTTOM : 91.00
CASING OD : 102
CASING BOTTOM : 304
CASING TYPE : HW
BOREHOLE FLUID :
RM TEMPERATURE :
MUD RES :
WITNESSED BY : RON
RECORDED BY : T. BOOS
REMARKS 1 :
REMARKS 2 :

HOLE ANGLE -68 DEGREES AZIMUTH 203 DEGREES.

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS



TOOL CALIBRATION QBD 7653 07/13/05 12:42
TOOL 9410A
SERIAL NUMBER 377

DATE	TIME	SENSOR	STANDARD	RESPONSE
1	Dec19,03 17:08:45	GAMMA	20.000 [API-GR]	5.00 [CPS]
2	Mar16,04 16:33:35	VOLTAGE	Default [CPS]	140.00 [CPS]
3	Mar16,04 16:33:35	CUR1	341.000 [MV]	Default [CPS]
4	Mar16,04 16:33:49	CUR2	2135.000 [UA]	18740.00 [CPS]
5	Mar16,04 16:34:03	CUR3	Default [CPS]	Default [CPS]
6	Mar16,04 16:34:18	CUR4	2135.000 [UA]	19170.00 [CPS]
7	Mar16,04 16:34:31	CUR4	Default [CPS]	Default [CPS]
8	Mar16,04 16:34:31	CUR4	2135.000 [UA]	17360.00 [CPS]
9	Mar16,04 16:34:31	CALIPER	Default [CPS]	Default [CPS]
10	Mar16,04 16:34:31	CALIPER	15.240 [INCH]	13950.00 [CPS]
11	Mar16,04 17:09:48	CALIPER	20.320 [INCH]	10944.00 [CPS]
12	Mar16,04 17:09:48	CALIPER	20.320 [INCH]	13890.00 [CPS]



Century-geo.com

**GAMMA - CALIPER - RESISTIVITY
DENSITY - LONG SPACE**

QBD 7653

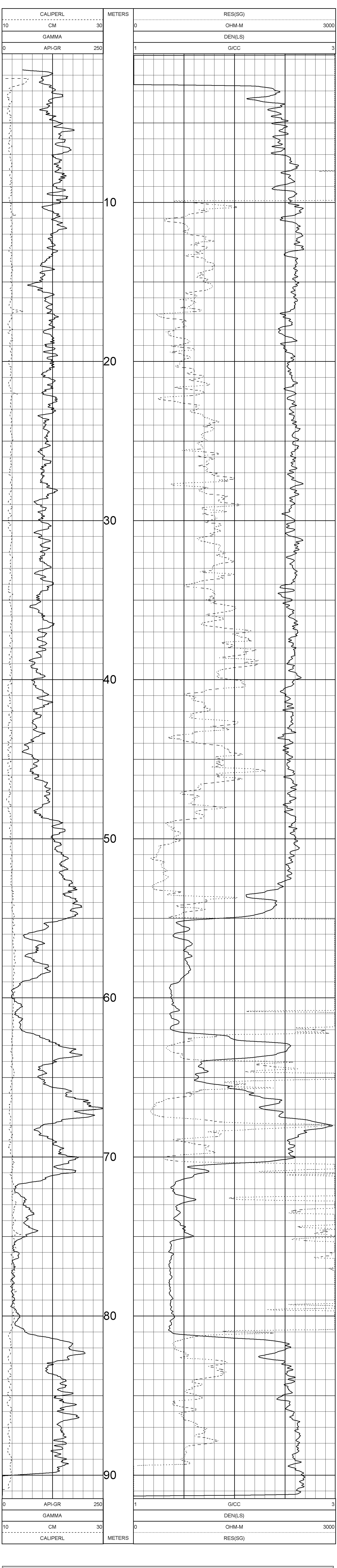
COMPANY: NORTHERN ENERGY MINING INC
WELL: QBD 7653
FIELD: ROMAN MTN
MUNICIPALITY: TUMBLER RIDGE
PROVINCE: BRITISH COLUMBIA

OTHER SERVICES:
9055
9139

LOCATION: :
SECTION: :
TOWNSHIP: :
RANGE: :
API NO.: :
UNIQUE WELL ID.: :
PERMANENT DATUM: :
LOG MEASURED FROM: :
DRL MEASURED FROM: :
DATE: 07/13/05

ELEVATION RB: :
ELEVATION DF: :
ELEVATION GL: :

RUN NO.: 2
DEPTH DRILLER: 88
BIT SIZE: :11.43
LOG TOP: :0.64
LOG BOTTOM: 91.44
CASING OD: :10.2
CASING BOTTOM: 3.04
CASING TYPE: HW
BOREHOLE FLUID: :
RM TEMPERATURE: :
MUD RES: :
WITNESSED BY: RON
RECORDED BY: T. BOOS
REMARKS 1: HOLE ANGLE -65 DEGREES, AZIMUTH 203 DEGREES
REMARKS 2: :
ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS



TOOL CALIBRATION QBD 7653 07/13/05 12:03
TOOL 9139A1
SERIAL NUMBER 963

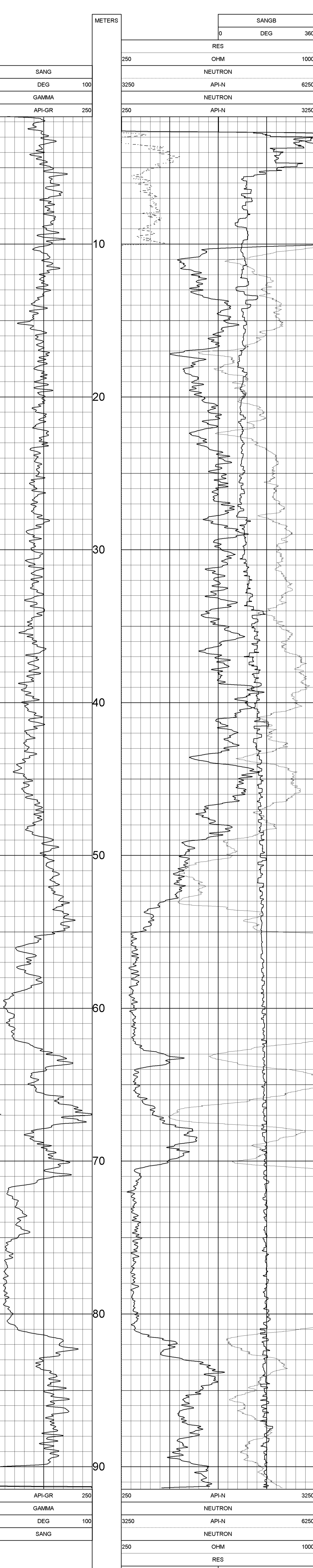
DATE	TIME	SENSOR	STANDARD	RESPONSE
1	Apr14,04 15:57:31	GAMMA	0.000 [API-GR]	6.00 [CPS]
1	Apr14,04 15:57:31	GAMMA	331.000 [API-GR]	488.00 [CPS]
2	Apr14,04 15:57:37	VOLTAGE	0.000 [MV]	5095.00 [CPS]
2	Apr14,04 15:57:37	VOLTAGE	1740.210 [MV]	142354.00 [CPS]
3	Apr14,04 17:20:00	CALIPER	7.850 [INCH]	90360.00 [CPS]
3	Apr14,04 17:20:00	CALIPER	3.850 [INCH]	52980.00 [CPS]
4	Nov29,04 21:17:27	DEN(LS)	1.106 [G/CC]	9557.00 [CPS]
4	Nov29,04 21:17:27	DEN(LS)	2.612 [G/CC]	573.00 [CPS]
5	Nov29,04 21:18:07	DEN(SS)	1.106 [G/CC]	16034.00 [CPS]
5	Nov29,04 21:18:07	DEN(SS)	2.612 [G/CC]	5131.00 [CPS]
6	May08,05 11:26:04	CALIPER	7.620 [INCH]	47938.00 [CPS]
6	May08,05 11:26:04	CALIPER	25.400 [INCH]	79160.00 [CPS]
7	Apr14,04 15:58:08	CURRENT	0.000 [UA]	4640.00 [CPS]
7	Apr14,04 15:58:08	CURRENT	249.000 [UA]	37608.00 [CPS]
8	Apr14,04 15:58:28	TEMP	170.000 [DEG F]	95500.00 [CPS]
8	Apr14,04 15:58:28	TEMP	68.000 [DEG F]	50541.00 [CPS]

COMPANY	NORTHERN ENERGY MINING INC	OTHER SERVICES:	9055
WELL	QBD 7653		9139
FIELD	ROMAN MTN		
MUNICIPALITY	TUMBLER RIDGE		
PROVINCE	BRITISH COLUMBIA		

SECTION	:	
TOWNSHIP	:	
RANGE	:	
API NO.	:	
UNIQUE WELL ID.	:	

PERMANENT DATUM	SL	ELEVATION KB :
LOG MEASURED FROM GL		ELEVATION DF :
DRL MEASURED FROM GL		ELEVATION GL :

DATE	07/13/05
RUN NO.	1
DEPTH DRILLER	88
BIT SIZE	11.43
LOG TOP	1.65
LOG BOTTOM	91.44
CASING OD	10.2
CASING BOTTOM	3.04
CASING TYPE	HW
BOREHOLE FLUID	:
RM TEMPERATURE	:
MUD RES	:
WITNESSED BY	RON
RECORDED BY	JT BOOS
REMARKS 1	HOLE ANGLE -65 DEGREES. AZIMUTH 203 DEGREES.
REMARKS 2	:



DATE	TIME	SENSOR	STANDARD	RESPONSE
1	Jul27,04 08:52:42	GAMMA	15.000 [API-GR]	1.00 [CPS]
2	Jul27,04 07:52:42	GAMMA	250.000 [API-GR]	240.00 [CPS]
3	May24,99 13:14:46	POROSI	185.000 [CPS]	
4	May24,99 13:14:46	RES	Default [CPS]	Default [CPS]
5	May24,99 13:14:46	SP	Default [CPS]	Default [CPS]
6	May24,99 13:14:46	SP	Default [CPS]	Default [CPS]
7	May21,04 19:23:23	NEUTROI	Default [CPS]	Default [CPS]
8	May21,04 19:23:23	NEUTRC	271.000 [API-N]	185.00 [CPS]
9	Feb20,02 17:17:55	TEMP	51.000 [DEG F]	1104.00 [CPS]
10	Feb20,02 17:17:55	TEMP	95.200 [DEG F]	450.00 [CPS]

TOOL CALIBRATION QBD 7653 07/13/05 11:38
 SERIAL NUMBER 80

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS



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**GAMMA - CALIPER - RESISTIVITY
DENSITY - SHORT SPACE**

QBD 7653

COMPANY: NORTHERN ENERGY MINING INC
WELL: QBD 7653
FIELD: ROMAN MTN
MUNICIPALITY: TUMBLER RIDGE
PROVINCE: BRITISH COLUMBIA

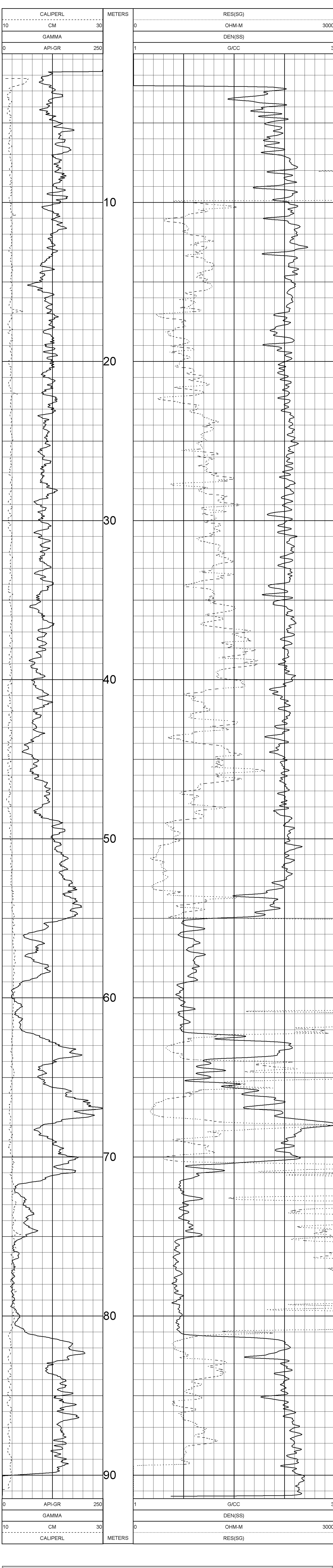
OTHER SERVICES:
9055
9139

LOCATION: :
SECTION: :
TOWNSHIP: :
RANGE: :
API NO.: :
UNIQUE WELL ID.: :
PERMANENT DATUM: :
LOG MEASURED FROM: :
DRL MEASURED FROM: :
DATE: 07/13/05

ELEVATION KB: :
ELEVATION DF: :
ELEVATION GL: :

RUN NO.: 2
DEPTH DRILLER: 88
BIT SIZE: :11.43
LOG TOP: :0.64
LOG BOTTOM: 91.44
CASING OD: :10.2
CASING BOTTOM: 3.04
CASING TYPE: HW
BOREHOLE FLUID: :
RM TEMPERATURE: :
MUD RES: :
WITNESSED BY: RON
RECORDED BY: T. BOOS
HOLE ANGLE -65 DEGREES, AZIMUTH 203 DEGREES.
REMARKS 1: :
REMARKS 2: :

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS



TOOL CALIBRATION QBD 7653 07/13/05 12:03
TOOL 9139A1
SERIAL NUMBER 963

DATE	TIME	SENSOR	STANDARD	RESPONSE
1	Apr14,04 15:57:31	GAMMA	0.000 [API-GR]	6.00 [CPS]
1	Apr14,04 15:57:31	GAMMA	331.000 [API-GR]	488.00 [CPS]
2	Apr14,04 15:57:37	VOLTAGE	0.000 [MV]	5095.00 [CPS]
2	Apr14,04 15:57:37	VOLTAGE	1740.210 [MV]	142354.00 [CPS]
3	Apr14,04 17:20:00	CALIPER	7.850 [INCH]	90360.00 [CPS]
3	Apr14,04 17:20:00	CALIPER	3.850 [INCH]	52980.00 [CPS]
4	Nov29,04 21:17:27	DEN(LS)	1.106 [G/CC]	9557.00 [CPS]
4	Nov29,04 21:17:27	DEN(LS)	2.612 [G/CC]	573.00 [CPS]
5	Nov29,04 21:18:07	DEN(SS)	1.106 [G/CC]	16034.00 [CPS]
5	Nov29,04 21:18:07	DEN(SS)	2.612 [G/CC]	5131.00 [CPS]
6	May08,05 11:26:04	CALIPERL	7.620 [INCH]	47938.00 [CPS]
6	May08,05 11:26:04	CALIPERL	25.400 [INCH]	79160.00 [CPS]
7	Apr14,04 15:58:08	CURRENT	0.000 [UA]	4640.00 [CPS]
7	Apr14,04 15:58:08	CURRENT	249.000 [UA]	37608.00 [CPS]
8	Apr14,04 15:58:28	TEMP	170.000 [DEG F]	95500.00 [CPS]
8	Apr14,04 15:58:28	TEMP	68.000 [DEG F]	50541.00 [CPS]

COMPANY : NORTHERN ENERGY MINING INC
WELL : QBD 7654
FIELD : ROMAN MTN
COUNTY : TUMBLER RIDGE
STATE : BRITISH COLUMBIA

OTHER SERVICES :
9034
9057

LOCATION :
SECTION :
TOWNSHIP :
RANGE :
API NO. :
UNIQUE WELL ID. :
PERMANENT DATUM : GL
LOG MEASURED FROM : GL
DRL MEASURED FROM : GL
DATE : 07/23/05

ELEVATION RB :
ELEVATION DF :
ELEVATION GL :

DEPTH DRILLER : 76
BIT SIZE : 11.43
LOG TOP : 0.22
LOG BOTTOM : 74.67
CASING OD : 10.2
CASING BOTTOM : 3.04
CASING TYPE : HW
BOREHOLE FLUID :
RM TEMPERATURE :
MUD RES :
MUD WEIGHT :

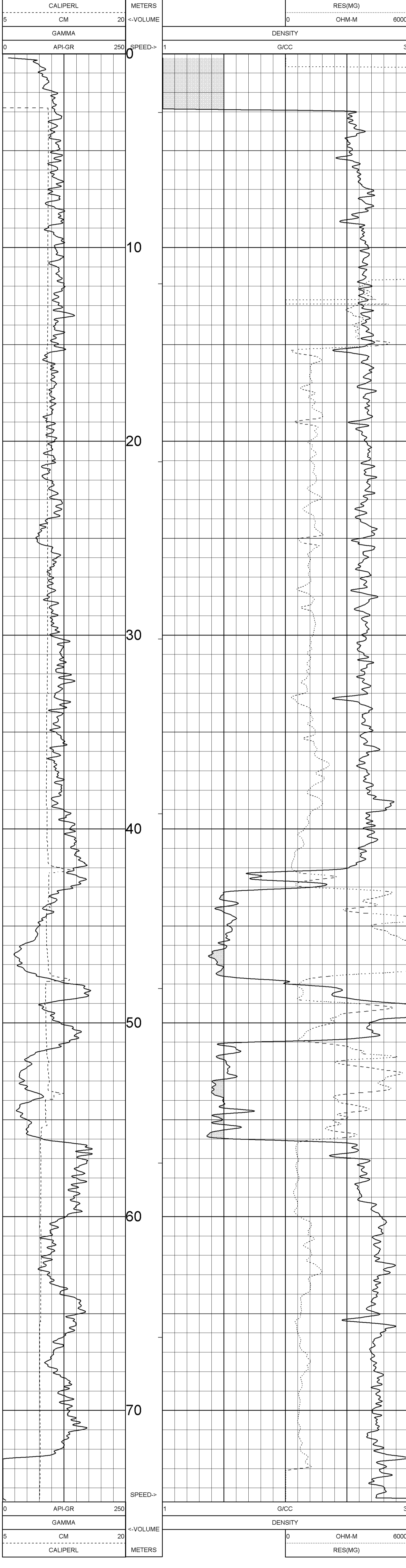
RECORDED BY : J. SINKWICH
REMARKS 1 :
REMARKS 2 :

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS

GAMMA-RES-DENSITY QBD 7654 07/23/05

LOG PARAMETERS

MATRIX DENSITY : 2.65 NEUTRON MATRIX : SANDSTONE MATRIX DELTA T : 140
MAGNETIC DECL : 21 ELECT. CUTOFF : 77777 BIT SIZE : 11.43
PRESENTATION NAME/DATE = 9034AA.0 07/23/2005



GAMMA-RES-DENSITY QBD 7654 07/23/05

LOG PARAMETERS

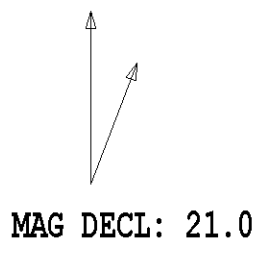
MATRIX DENSITY : 2.65 NEUTRON MATRIX : SANDSTONE MATRIX DELTA T : 140
MAGNETIC DECL : 21 ELECT. CUTOFF : 77777 BIT SIZE : 11.43
PRESENTATION NAME/DATE = 9034AA.0 07/23/2005

TOOL CALIBRATION QBD 7654 07/23/05 18:29
TOOL 9034AA1 TM VERSION 3200
SERIAL NUMBER 483

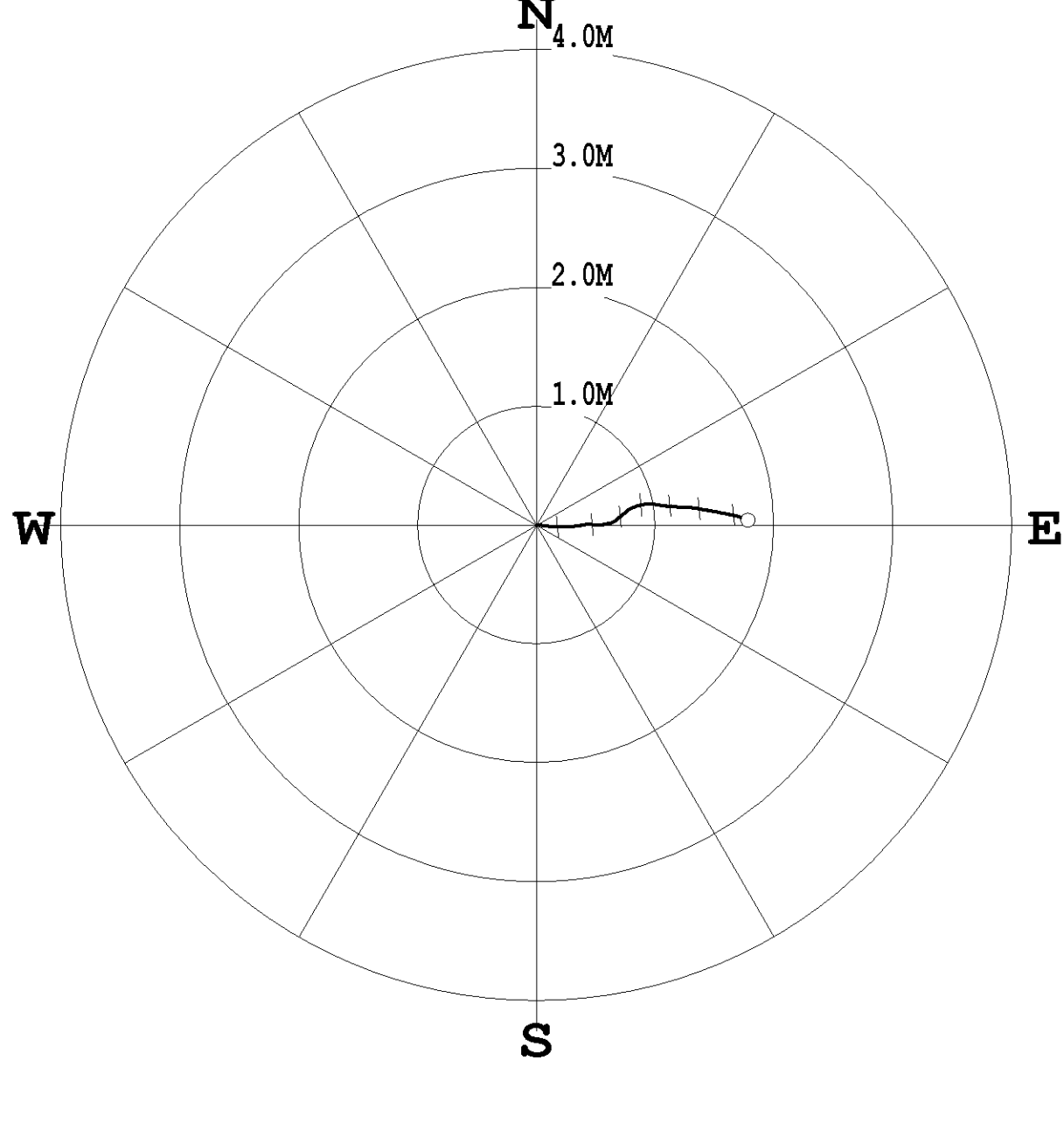
DATE	TIME	SENSOR	STANDARD	RESPONSE
1	Jul18,05 22:31:09	GAMMA	Default [CPS]	Default [CPS]
2	Jul18,05 21:31:09	GAMMA	123.000 [API-GR]	223.00 [CPS]
3	Jul18,05 21:31:45	DENSITY	1.106 [G/CC]	4848.00 [CPS]
4	Jul18,05 21:31:45	DENSITY	2.612 [G/CC]	1066.00 [CPS]
5	Jul18,05 21:30:32	RES(MG)	Default [CPS]	Default [CPS]
6	Jul18,05 21:30:32	RES(MG)	Default [CPS]	Default [CPS]
7	Jul18,05 21:34:21	CALIPER	10.160 [CM]	62979.00 [CPS]
8	Jul18,05 21:34:21	CALIPER	14.732 [CM]	82599.00 [CPS]
9	Jul18,05 21:34:55	DENSITYH	1.106 [G/CC]	36460.00 [CPS]
10	Jul18,05 21:34:55	DENSITYH	2.475 [G/CC]	10050.00 [CPS]
11	Jul18,05 21:35:51	CALIPERL	14.732 [CM]	58561.00 [CPS]
12	Jul18,05 21:35:51	CALIPERL	25.400 [CM]	85885.00 [CPS]
13	Aug02,99 06:17:32	RES	Default [CPS]	Default [CPS]
14	Aug02,99 06:17:32	RES	Default [CPS]	Default [CPS]
15	Apr12,02 00:42:07	POR(NEU)	100.000 [PERCENT]	178.00 [CPS]

PLAN VIEW COMPU-LOG DEVIATION

CLIENT: NORTHERN ENERGY MINING INC
LOCATION: ROMAN MTN
HOLE ID: QBD 7654
DATE OF LOG: 07/23/05
PROBE: 9057A 1067



SCALE: 1 M/CM
TRUE DEPTH: 74.46 M
AZIMUTH: 88.6
DISTANCE: 1.8 M
+ = 10 M INCR
○ = BOTTOM OF HOLE



COMPANY	NORTHERN ENERGY MINING INC	OTHER SERVICES:
WELL	QBD 7654	9034
FIELD	ROMAN MTN	9057
COUNTY	TUMBLER RIDGE	
STATE	BRITISH COLUMBIA	

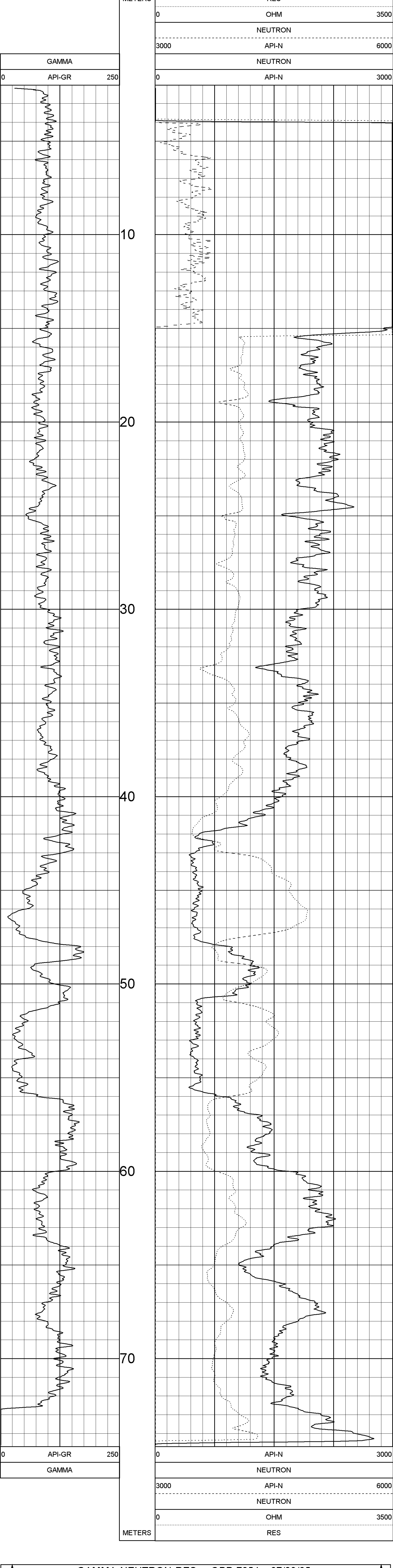
LOCATION	:	
SECTION	:	
TOWNSHIP	:	
RANGE	:	
API NO.	:	
UNIQUE WELL ID.	:	
PERMANENT DATUM	: GL	ELEVATION RB :
LOG MEASURED FROM	: GL	ELEVATION DF :
DRL MEASURED FROM	: GL	ELEVATION GL :

DATE	07/23/05
DEPTH DRILLER	: 76
BIT SIZE	: 11.43
LOG TOP	: 2.18
LOG BOTTOM	: 74.86
CASING OD	: 10.2
CASING BOTTOM	: 3.04
CASING TYPE	: HW
BOREHOLE FLUID	:
RM TEMPERATURE	:
MUD RES	:
MUD WEIGHT	:
RECORDED BY	: J. SINKWICH
REMARKS 1	:
REMARKS 2	:

GAMMA-NEUTRON-RES QBD 7654 07/23/05

LOG PARAMETERS

MATRIX DENSITY : 2.65 NEUTRON MATRIX : SANDSTONE MATRIX DELTA T : 140
 MAGNETIC DECL : 21.000 ELECT. CUTOFF : 77777 BIT SIZE : 11.43
 PRESENTATION NAME/DATE = 9057A.0 07/19/2005



GAMMA-NEUTRON-RES QBD 7654 07/23/05

LOG PARAMETERS

MATRIX DENSITY : 2.65 NEUTRON MATRIX : SANDSTONE MATRIX DELTA T : 140
 MAGNETIC DECL : 21.000 ELECT. CUTOFF : 77777 BIT SIZE : 11.43
 PRESENTATION NAME/DATE = 9057A.0 07/19/2005

DATE	TIME	SENSOR	STANDARD	RESPONSE
1	Apr12,02 00:41:30	GAMMA	0.000 [API-GR]	10.00 [CPS]
1	Apr12,02 00:41:30	GAMMA	290.000 [API-GR]	350.00 [CPS]
2	Aug02,99 06:17:32	NEUTROI	Default [CPS]	Default [CPS]
2	Aug02,99 06:17:32	NEUTROI	Default [CPS]	Default [CPS]
2	Aug02,99 06:17:32	SP	Default [CPS]	Default [CPS]
2	Aug02,99 06:17:32	SP	Default [CPS]	Default [CPS]
4	Feb22,02 21:30:07	RES(16N)	Default [CPS]	Default [CPS]
4	Feb22,02 21:30:07	RES(16N)	Default [CPS]	Default [CPS]
5	Aug02,99 06:17:32	RES(64N)	Default [CPS]	Default [CPS]
5	Aug02,99 06:17:32	RES(64N)	Default [CPS]	Default [CPS]
6	Mar08,02 15:30:38	TEMP	Default [CPS]	Default [CPS]
6	Mar08,02 15:30:38	TEMP	Default [CPS]	Default [CPS]
7	Aug02,99 06:17:32	RES	Default [CPS]	Default [CPS]
7	Aug02,99 06:17:32	RES	Default [CPS]	Default [CPS]

TOOL CALIBRATION QBD 7654 07/23/05 18:09
 TOOL 9057A TM VERSION 5500
 SERIAL NUMBER 1067
 ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS

COMPANY : NORTHERN ENERGY MINING INC

WELL : QBD 7655

FIELD : ROMAN MTN

COUNTY : TUMBLER RIDGE

STATE : BRITISH COLUMBIA

OTHER SERVICES:
9034
9057

LOCATION :

SECTION :

TOWNSHIP :

RANGE :

API NO. :

UNIQUE WELL ID. :

PERMANENT DATUM : GL

LOG MEASURED FROM : GL

DRL MEASURED FROM : GL

DATE : 07/23/05

DEPTH DRILLER : 35

BIT SIZE : 11.43

LOG TOP : 0.17

LOG BOTTOM : 41.27

CASING OD : 10.2

CASING BOTTOM : 3.04

CASING TYPE : HW

BOREHOLE FLUID :

RM TEMPERATURE :

MUD RES :

MUD WEIGHT :

RECORDED BY : J. SINKWICH

REMARKS 1 :

REMARKS 2 :

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS

GAMMA-RES-DENSITY QBD 7655 07/23/05

LOG PARAMETERS

MATRIX DENSITY : 2.65

NEUTRON MATRIX : SANDSTONE

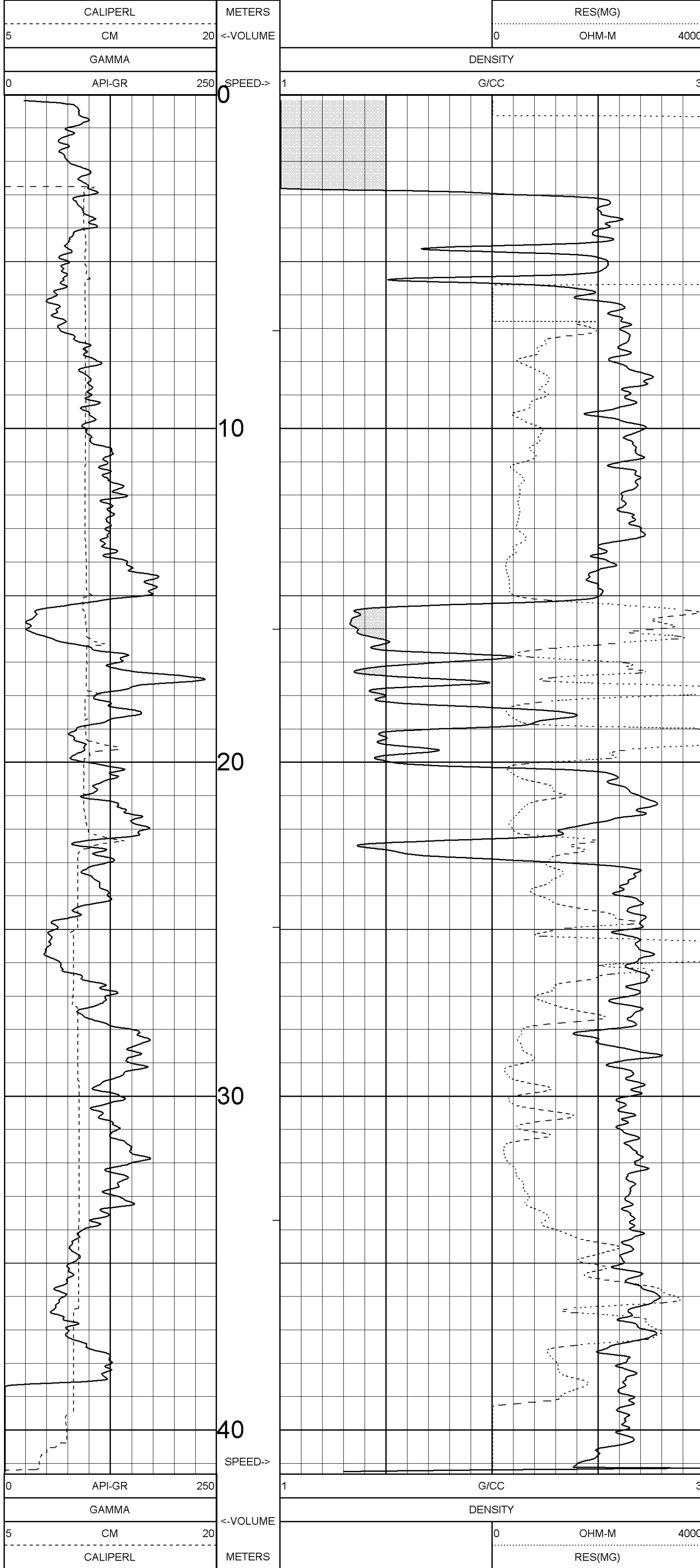
MATRIX DELTA T : 140

MAGNETIC DECL : 21

ELECT. CUTOFF : 77777

BIT SIZE : 11.43

PRESENTATION NAME/DATE = 9034AA.0 07/23/2005



GAMMA-RES-DENSITY QBD 7655 07/23/05

LOG PARAMETERS

MATRIX DENSITY : 2.65

NEUTRON MATRIX : SANDSTONE

MATRIX DELTA T : 140

MAGNETIC DECL : 21

ELECT. CUTOFF : 77777

BIT SIZE : 11.43

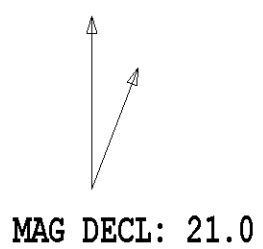
PRESENTATION NAME/DATE = 9034AA.0 07/23/2005

TOOL CALIBRATION QBD 7655 07/23/05 19:18
TOOL 9034AA1 TM VERSION 3200
SERIAL NUMBER 483

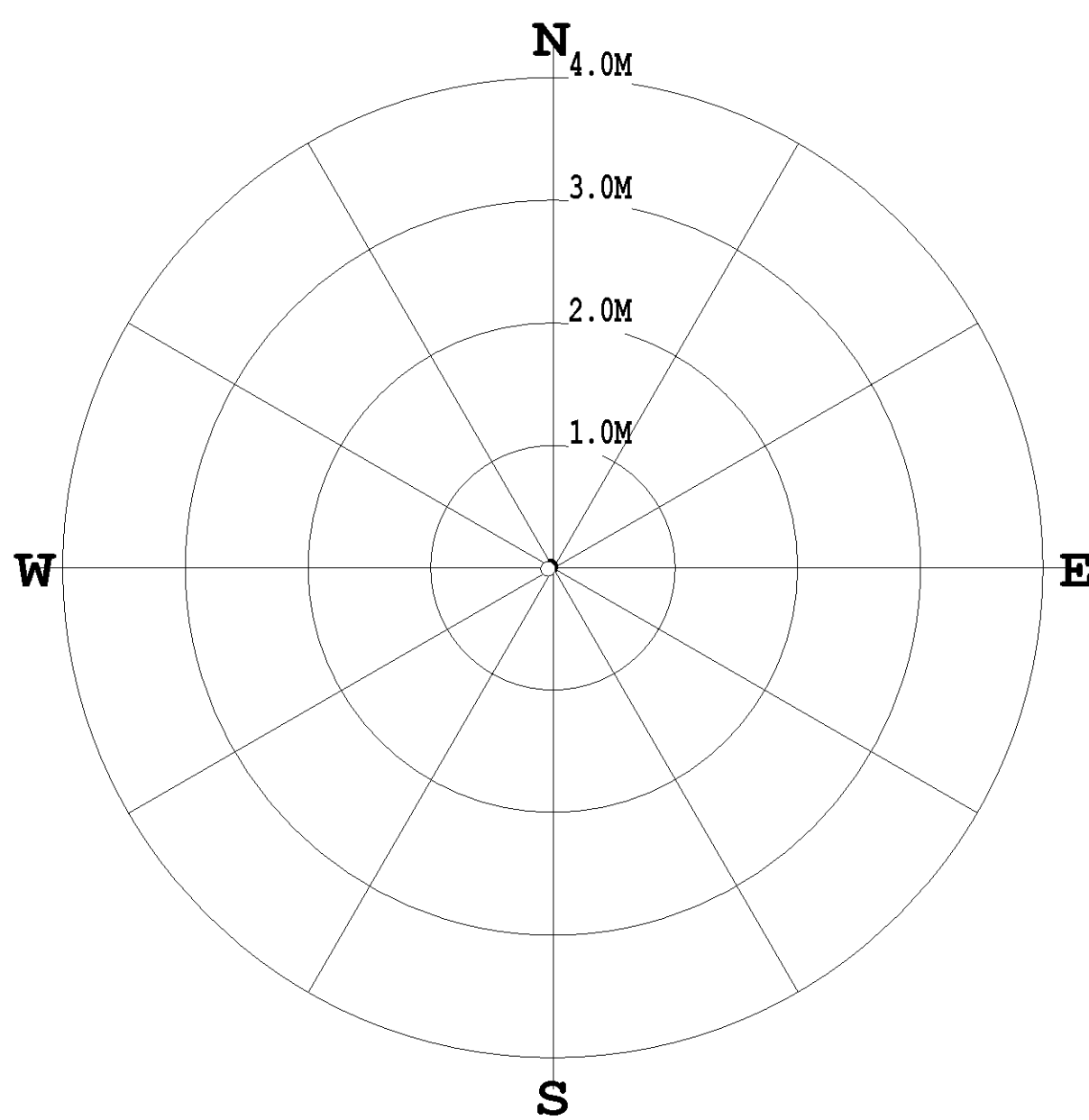
DATE	TIME	SENSOR	STANDARD	RESPONSE
1	Jul18,05 22:31:09	GAMMA	Default [CPS]	Default [CPS]
	Jul18,05 21:31:09	GAMMA	123.000 [API-GR]	223.00 [CPS]
2	Jul18,05 21:31:45	DENSITY	1.106 [G/CC]	4848.00 [CPS]
	Jul18,05 21:31:45	DENSITY	2.612 [G/CC]	1066.00 [CPS]
3	Jul18,05 21:30:32	RES(MG)	Default [CPS]	Default [CPS]
	Jul18,05 21:30:32	RES(MG)	Default [CPS]	Default [CPS]
4	Jul18,05 21:34:21	CALIPER	10.160 [CM]	62979.00 [CPS]
	Jul18,05 21:34:21	CALIPER	14.732 [CM]	82599.00 [CPS]
5	Jul18,05 21:34:55	DENSITYH	1.106 [G/CC]	36460.00 [CPS]
	Jul18,05 21:34:55	DENSITYH	2.475 [G/CC]	10050.00 [CPS]
6	Jul18,05 21:35:51	CALIPERL	14.732 [CM]	58561.00 [CPS]
	Jul18,05 21:35:51	CALIPERL	25.400 [CM]	85885.00 [CPS]

PLAN VIEW COMPU-LOG DEVIATION

CLIENT: NORTHERN ENERGY MINING INC
LOCATION: ROMAN MTN
HOLE ID: QBD 7655
DATE OF LOG: 07/23/05
PROBE: 9410A 377



SCALE: 1 M/CM
TRUE DEPTH: 40.91 M
AZIMUTH: 261.2
DISTANCE: 0.0 M
+ = 100 M INCR
○ = BOTTOM OF HOLE



COMPANY : NORTHERN ENERGY MINING INC
 WELL : QBD 7655
 FIELD : ROMAN MTN
 COUNTY : TUMBLER RIDGE
 STATE : BRITISH COLUMBIA

OTHER SERVICES:
 9034
 9057

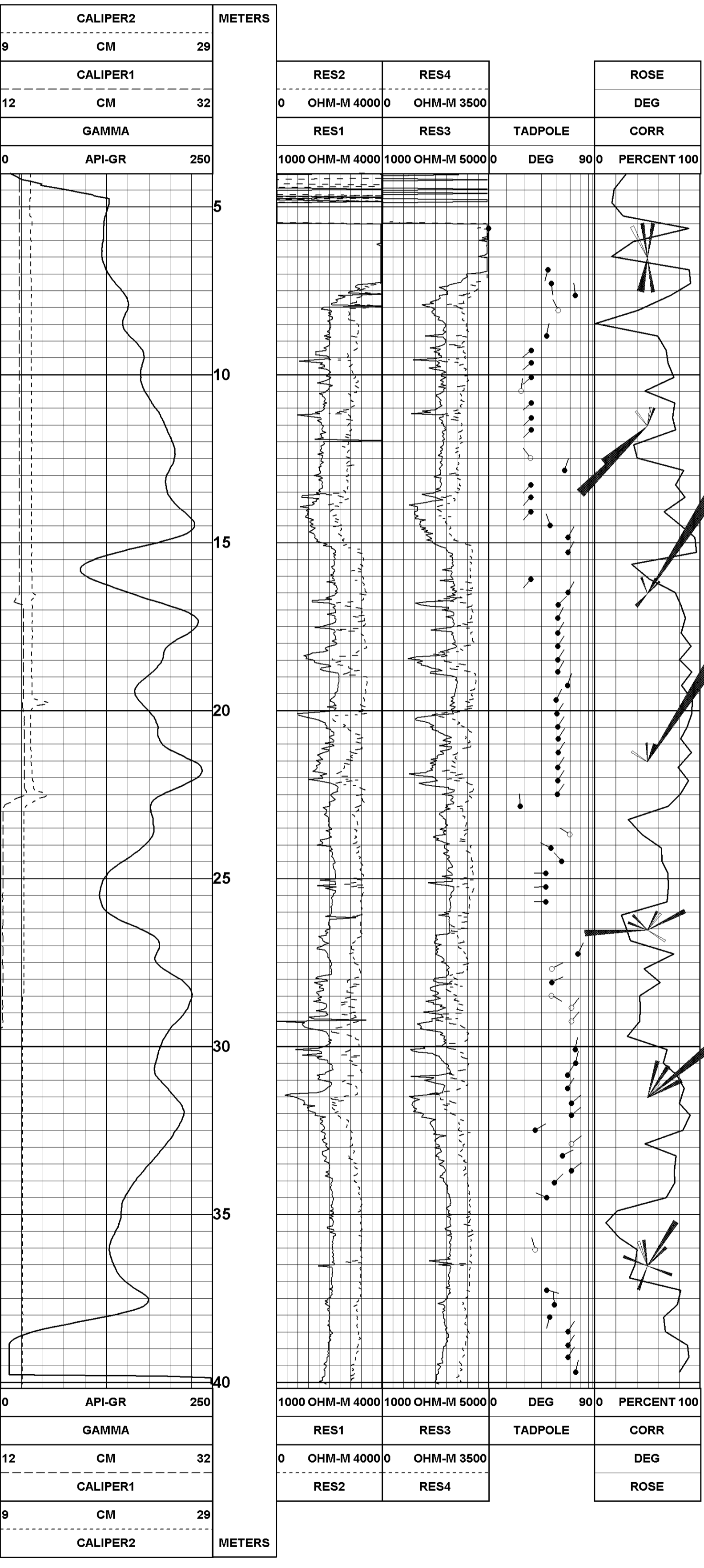
LOCATION :
 SECTION :
 TOWNSHIP :
 RANGE :
 API NO. :
 UNIQUE WELL ID. :

PERMANENT DATUM : GL
 LOG MEASURED FROM : GL
 DRL MEASURED FROM : GL
 DATE : 07/23/05
 ELEVATION KB :
 ELEVATION DF :
 ELEVATION GL :

DEPTH DRILLER : 35
 BIT SIZE : 11.43
 LOG TOP : 1.20
 LOG BOTTOM : 40.10
 CASING OD : 11.43
 CASING BOTTOM : 3.04
 CASING TYPE : HW
 BOREHOLE FLUID :
 RM TEMPERATURE :
 MUD RES :
 MUD WEIGHT :

RECORDED BY : J. SINKWICH
 REMARKS 1 :
 REMARKS 2 :

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS



TOOL CALIBRATION QBD 7655 07/23/05 19:38
 TOOL 9410A TM VERSION 9200
 SERIAL NUMBER 377

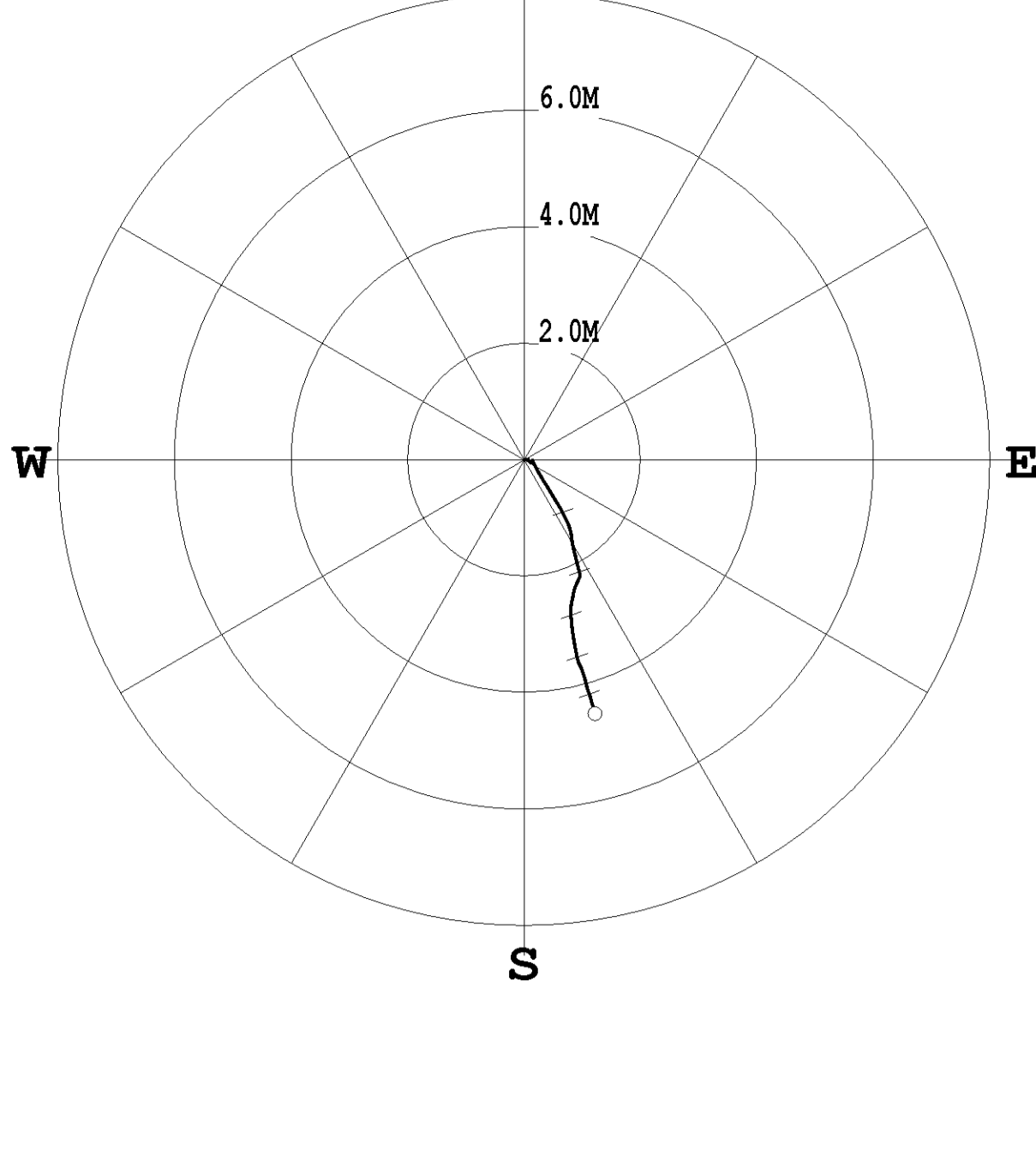
DATE	TIME	SENSOR	STANDARD	RESPONSE
1	Dec19,03 16:08:45	GAMMA	20.000 [API-GR]	5.00 [CPS]
	Dec19,03 16:08:45	GAMMA	275.000 [API-GR]	140.00 [CPS]
2	Mar16,04 16:33:35	VOLTAGE	Default [CPS]	Default [CPS]
	Mar16,04 16:33:35	VOLTAGE	341.000 [MV]	1830.00 [CPS]
3	Mar16,04 16:33:49	CUR1	Default [CPS]	Default [CPS]
	Mar16,04 16:33:49	CUR1	2135.000 [UA]	18740.00 [CPS]
4	Mar16,04 16:34:03	CUR2	Default [CPS]	Default [CPS]
	Mar16,04 16:34:03	CUR2	2135.000 [UA]	19170.00 [CPS]
5	Mar16,04 16:34:18	CUR3	Default [CPS]	Default [CPS]
	Mar16,04 16:34:18	CUR3	2135.000 [UA]	17360.00 [CPS]
6	Mar16,04 16:34:31	CUR4	Default [CPS]	Default [CPS]
	Mar16,04 16:34:31	CUR4	2135.000 [UA]	13950.00 [CPS]
7	Mar16,04 17:09:48	CALIPER	15.240 [INCH]	10944.00 [CPS]
	Mar16,04 17:09:48	CALIPER	20.320 [INCH]	13890.00 [CPS]

PLAN VIEW COMPU-LOG DEVIATION

CLIENT: NORTHERN ENERGY MINING INC
LOCATION: ROMAN MTN
HOLE ID: QBD 7656
DATE OF LOG: 10/01/05
PROBE: 9057A 1067

MAG DECL: 21.0

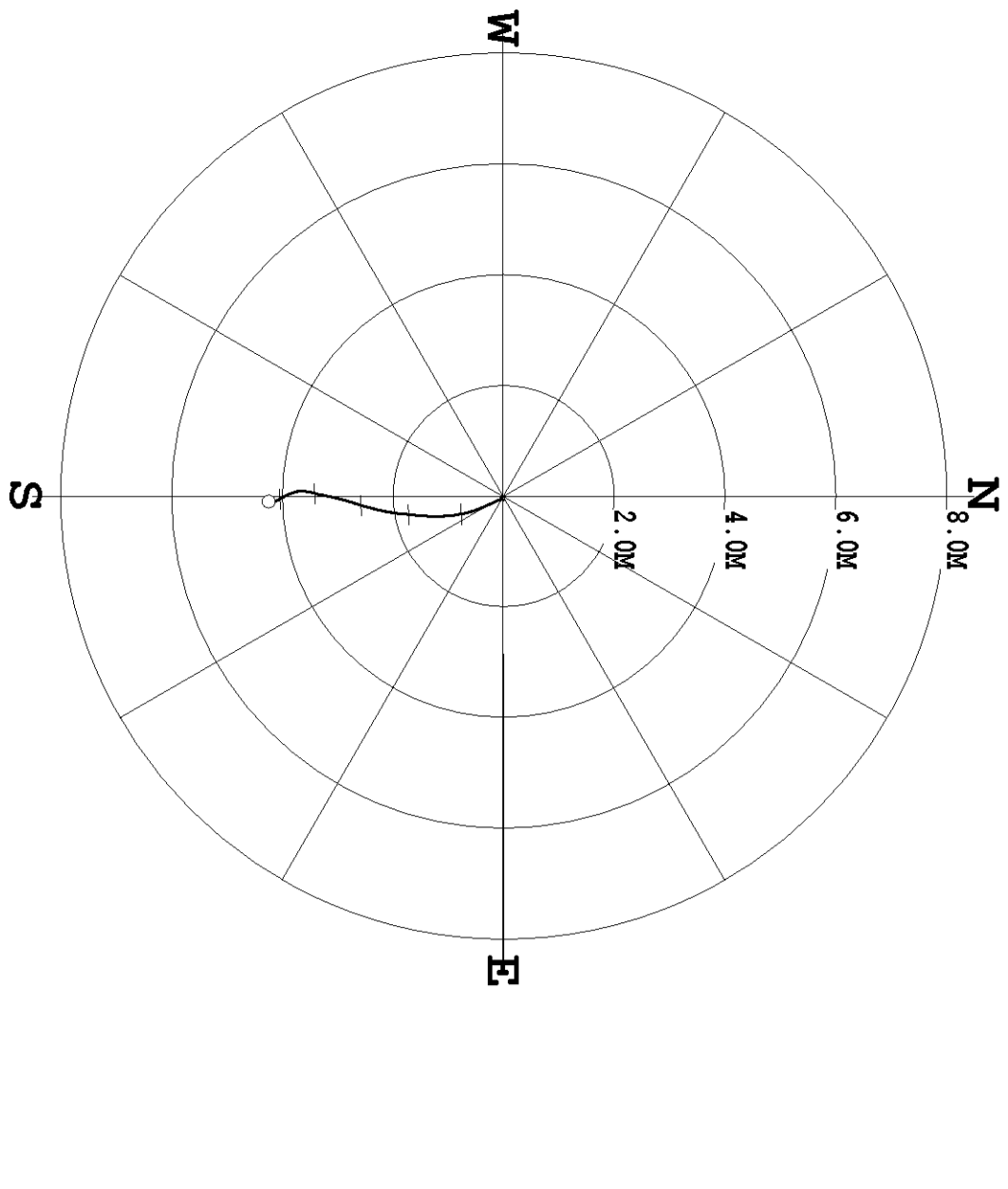
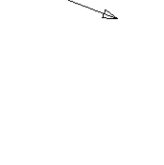
SCALE: 1 M/CM
TRUE DEPTH: 112.62 M
AZIMUTH: 164.3
DISTANCE: 4.5 M
+ = 20 M INCR
○ = BOTTOM OF HOLE



PLAN VIEW COMPU-LOG DEVIATION

CLIENT: NORTHERN ENERGY MINING INC
LOCATION: ROMAN MTN
HOLE ID: QSD 7656
DATE OF LOG: 10/01/05
PROBE: 9410A 377
MAG DECL: 21.0

SCALE: 1 M/CM
TRUE DEPTH: 110.92 M
AZIMUTH: 178.6
DISTANCE: 4.2 M
+ = 20 M INCR
o = BOTTOM OF HOLE



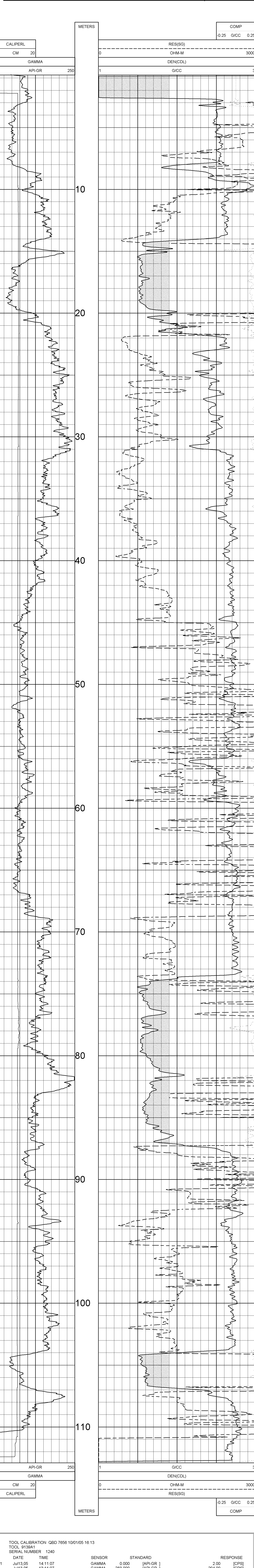
COMPANY : NORTHERN ENERGY MINING INC
WELL : QBD 7656
FIELD : ROMAN MTN
MUNICIPALITY : TUMBLER RIDGE
PROVINCE : BRITISH COLUMBIA

OTHER SERVICES : 9055
9139
9410

LOCATION :
SECTION :
TOWNSHIP :
RANGE :
API NO. :
UNIQUE WELL ID. :
PERMANENT DATUM : GL
LOG MEASURED FROM : GL
DRL MEASURED FROM : GL

ELEVATION NG :
ELEVATION DF :
ELEVATION GL :

DATE : 10/07/05
RUN NO. : 2
DEPTH DRILLER : 113
BIT SIZE : 11.43
LOG TOP : 0.74
LOG BOTTOM : 112.85
CASING OD : 13.3
CASING BOTTOM : 9
CASING TYPE :
BOREHOLE FLUID : WATER
RM TEMPERATURE :
MUD RES :
WITNESSED BY : RON
RECORDED BY : T. BOOS
REMARKS 1 :
REMARKS 2 :



TOOL CALIBRATION QBD 7656 10/01/05 16:13
TOOL 9139A1
SERIAL NUMBER 1240

DATE	TIME	SENSOR	STANDARD	RESPONSE
1	Jul13,05 14:11:07	GAMMA	0.000 [API-GR]	2.00 [CPS]
	Jul13,05 13:11:07	GAMMA	283.000 [API-GR]	294.00 [CPS]
2	Jul13,05 13:00:47	VOLTAGE	0.000 [MV]	4601.00 [CPS]
	Jul13,05 13:00:47	VOLTAGE	1999.000 [MV]	271516.00 [CPS]
3	Aug15,05 18:38:58	CALIPER	10.160 [INCH]	111254.00 [CPS]
	Aug15,05 18:38:58	CALIPER	15.240 [INCH]	342483.00 [CPS]
4	Aug15,05 16:46:42	DEN(LS)	1.106 [G/CC]	7465.00 [CPS]
	Aug15,05 16:46:42	DEN(LS)	2.400 [G/CC]	447.90 [CPS]
5	Aug15,05 16:47:11	DEN(SS)	1.106 [G/CC]	14217.00 [CPS]
	Aug15,05 16:47:11	DEN(SS)	2.400 [G/CC]	4549.44 [CPS]
6	Sep09,05 11:03:02	CALIPERL	15.250 [INCH]	150340.00 [CPS]
	Sep09,05 11:03:02	CALIPERL	25.400 [INCH]	346430.00 [CPS]
7	Jul13,05 13:02:39	CURRENT	0.000 [UA]	5387.00 [CPS]
	Jul13,05 13:02:39	CURRENT	286.390 [UA]	28883.00 [CPS]
8	Jul13,05 14:02:09	TEMP	37.000 [DEG F]	169525.00 [CPS]
	Jul13,05 14:02:09	TEMP	130.000 [DEG F]	438295.00 [CPS]



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DIPMETER
QBD 7656

COMPANY: NORTHERN ENERGY MINING INC
WELL: QBD 7656
FIELD: ROMAN MTN
MUNICIPALITY: TUMBLER RIDGE
PROVINCE: BRITISH COLUMBIA

OTHER SERVICES:
9655
9139
9410

LOCATION: SECTION: TOWNSHIP: RANGE: API NO.: UNIQUE WELL ID:

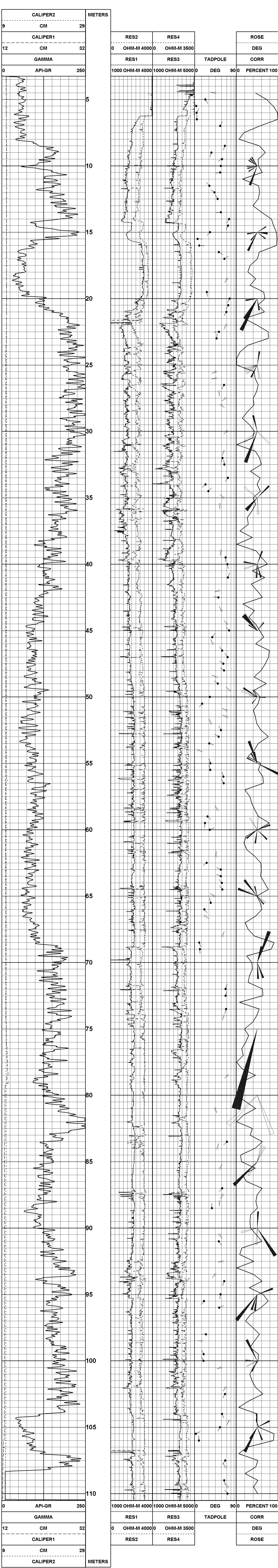
PERMANENT DATUM: SL
LOG MEASURED FROM: GL
ELEVATION OF: ELEVATION OF: ELEVATION OF: GL:
DATE: 10/01/05
RUN NO.: 3

DEPTH DRILLER: 113
BIT SIZE: 11.43
LOG TOP: 3.23
LOG BOTTOM: 110.50

CASING OD: 133
CASING BOTTOM: 5
CASING TYPE: WATER
BOREHOLE FLUID: WATER
RM TEMPERATURE: MUD RES
WITNESSED BY: RON
RECORDED BY: T. BOOS

REMARKS 1
REMARKS 2

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS



DATE	TIME	SENSOR	STANDARD	RESPONSE
Dec19,03	16:08:45	GAMMA	20.000	[API-GR] 5.00 [CPS]
Dec19,03	16:08:45	GAMMA	275.000	[API-GR] 140.00 [CPS]
Mar16,04	16:33:35	VOLTAGE	Default	Default [CPS]
Mar16,04	16:33:35	VOLTAGE	341.000	[MV] 1830.00 [CPS]
Mar16,04	16:33:49	CUR1	Default	Default [CPS]
Mar16,04	16:33:49	CUR1	2135.000	[UA] 18740.00 [CPS]
Mar16,04	16:34:03	CUR2	Default	Default [CPS]
Mar16,04	16:34:03	CUR2	2135.000	[UA] 19170.00 [CPS]
Mar16,04	16:34:18	CUR3	Default	Default [CPS]
Mar16,04	16:34:18	CUR3	2135.000	[UA] 17360.00 [CPS]
Mar16,04	16:34:31	CUR4	Default	Default [CPS]
Mar16,04	16:34:31	CUR4	2135.000	[UA] 13950.00 [CPS]
Mar16,04	17:09:48	CALIPER	15.240	[INCH] 10944.00 [CPS]
Mar16,04	17:09:48	CALIPER	20.320	[INCH] 13890.00 [CPS]

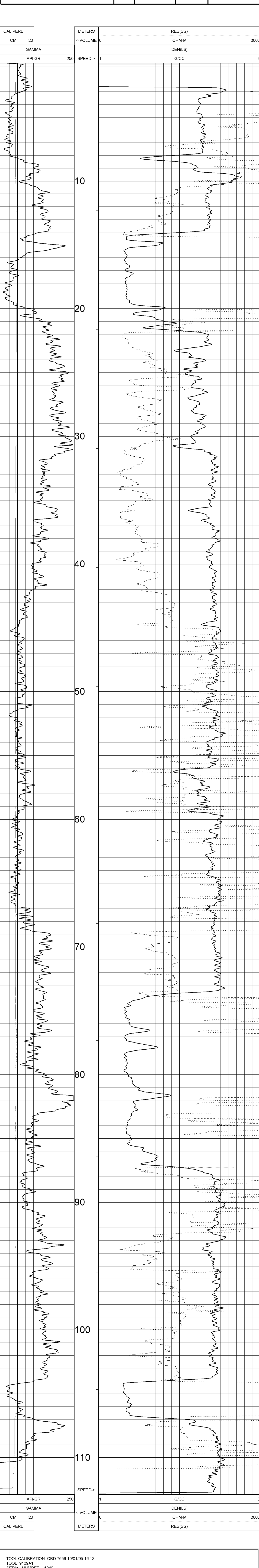
COMPANY: NORTHERN ENERGY MINING INC
WELL: QBD 7656
FIELD: ROMAN MTN
MUNICIPALITY: TUMBLER RIDGE
PROVINCE: BRITISH COLUMBIA

OTHER SERVICES:
9055
9139
9410

LOCATION: SECTION: TOWNSHIP: RANGE: API NO.: UNIQUE WELL ID:
PERMANENT DATUM: GL
LOG MEASURED FROM: GL
DRL MEASURED FROM: GL

ELEVATION NS: ELEVATION DF: ELEVATION GL:

DATE: 10/07/05
RUN NO.: 2
DEPTH DRILLER: 113
BIT SIZE: 11.43
LOG TOP: 0.74
LOG BOTTOM: 112.85
CASING OD: 13.3
CASING BOTTOM: 6
CASING TYPE: WATER
BOREHOLE FLUID: WATER
RM TEMPERATURE: MUD RES: RONI
WITNESSED BY: T. BOOS
RECORDED BY:
REMARKS 1:
REMARKS 2:



TOOL CALIBRATION QBD 7656 10/01/05 16:13
TOOL 9139A1
SERIAL NUMBER 1240

DATE	TIME	SENSOR	STANDARD	RESPONSE
1	Jul13,05 13:11:07	GAMMA	0.000 [API-GR]	2.00 [CPS]
2	Jul13,05 13:11:07	GAMMA	283.000 [API-GR]	294.00 [CPS]
3	Jul13,05 13:00:47	VOLTAGE	0.000 [MV]	4601.00 [CPS]
3	Jul13,05 13:00:47	VOLTAGE	1999.000 [MV]	271516.00 [CPS]
4	Aug15,05 18:38:58	CALIPER	10.160 [INCH]	111254.00 [CPS]
4	Aug15,05 18:38:58	CALIPER	15.240 [INCH]	342483.00 [CPS]
5	Aug15,05 16:46:42	DEN(LS)	1.106 [G/CC]	7465.00 [CPS]
5	Aug15,05 16:46:42	DEN(LS)	2.400 [G/CC]	447.90 [CPS]
5	Aug15,05 16:47:11	DEN(SS)	1.106 [G/CC]	14217.00 [CPS]
5	Aug15,05 16:47:11	DEN(SS)	2.400 [G/CC]	4549.44 [CPS]
6	Sep09,05 11:03:02	CALIPER	15.250 [INCH]	150340.00 [CPS]
6	Sep09,05 11:03:02	CALIPER	25.400 [INCH]	346430.00 [CPS]
7	Jul13,05 13:02:39	CURRENT	0.000 [UA]	5387.00 [CPS]
7	Jul13,05 13:02:39	CURRENT	286.390 [UA]	28883.00 [CPS]
8	Jul13,05 14:02:09	TEMP	37.000 [DEG F]	169525.00 [CPS]
8	Jul13,05 14:02:09	TEMP	130.000 [DEG F]	438295.00 [CPS]

COMPANY : NORTHERN ENERGY MINING INC
 WELL : QBD 7656
 FIELD : ROMAN MTN
 MUNICIPALITY : TUMBLER RIDGE
 PROVINCE : BRITISH COLUMBIA

OTHER SERVICES:
 9055
 9139
 9410

LOCATION :
 SECTION :
 TOWNSHIP :
 RANGE :
 API NO. :

PERMANENT DATUM : GL
 LOG MEASURED FROM : GL
 DRL MEASURED FROM : GL

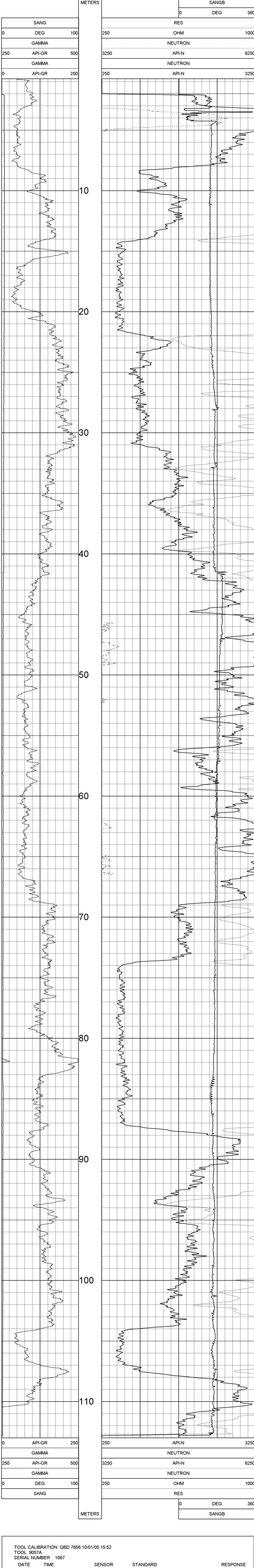
ELEVATION NG :
 ELEVATION DF :
 ELEVATION GL :

DATE : 10/01/05
 RUN NO. : 1
 DEPTH DRILLER : 1113
 BIT SIZE : 11.43

LOG TOP : 0.74
 LOG BOTTOM : 112.85
 CASING OD : 113.3
 CASING BOTTOM : 6

CASING TYPE :
 BOREHOLE FLUID : WATER
 MUD RES :
 MUD RES :
 WITNESSED BY :
 RECORDED BY : T. BOOS
 REMARKS 1 :
 REMARKS 2 :

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS



TOOL CALIBRATION QBD 7656 10/01/05 15:52
 TOOL 9057A
 SERIAL NUMBER 1067

DATE	TIME	SENSOR	STANDARD	RESPONSE
1	Apr12,02 00:41:30	GAMMA	0.000 [API-GR]	10.00 [CPS]
2	Apr12,02 00:41:30	GAMMA	290.000 [API-GR]	350.00 [CPS]
3	Aug02,99 06:17:32	NEUTROI	Default [CPS]	Default [CPS]
3	Aug02,99 06:17:32	NEUTROI	Default [CPS]	Default [CPS]
3	Aug02,99 06:17:32	SP	Default [CPS]	Default [CPS]
3	Aug02,99 06:17:32	SP	Default [CPS]	Default [CPS]
4	Feb22,02 21:30:07	RES(16N)	Default [CPS]	Default [CPS]
4	Feb22,02 21:30:07	RES(16N)	Default [CPS]	Default [CPS]
4	Feb22,02 21:30:07	RES(64N)	Default [CPS]	Default [CPS]
4	Feb22,02 21:30:07	RES(64N)	Default [CPS]	Default [CPS]
5	Aug02,99 06:17:32	TEMP	Default [CPS]	Default [CPS]
5	Aug02,99 06:17:32	TEMP	Default [CPS]	Default [CPS]
6	Mar08,02 15:30:38	RES	Default [CPS]	Default [CPS]
6	Mar08,02 15:30:38	RES	Default [CPS]	Default [CPS]
7	Aug02,99 06:17:32	RES	Default [CPS]	Default [CPS]
7	Aug02,99 06:17:32	RES	Default [CPS]	Default [CPS]

COMPANY: NORTHERN ENERGY MINING INC
WELL: QBD 7656
FIELD: ROMAN MTN
MUNICIPALITY: TUMBLER RIDGE
PROVINCE: BRITISH COLUMBIA

OTHER SERVICES:
9655
9139
9410

LOCATION: SECTION: _____
TOWNSHIP: _____
RANGE: _____
API NO.: _____
UNIQUE WELL ID: _____

PERMANENT DATUM: GL
LOG MEASURED FROM: GL
DRL MEASURED FROM: GL
ELEVATION NS: _____
ELEVATION DF: _____
ELEVATION GL: _____

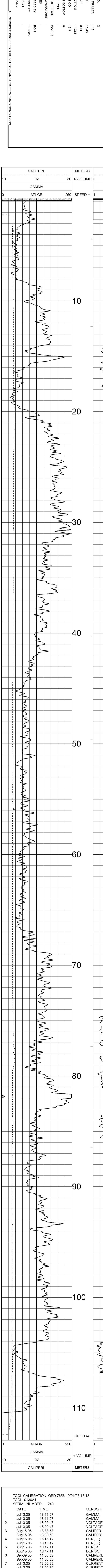
DATE: 10/01/05
RUN NO.: 2

DEPTH DRILLER: 113
BT SIZE: 11.43
LOG TOP: 0.74
LOG BOTTOM: 112.85

CASING OD: 13.3
CASING BOTTOM: 6
CASING TYPE: _____
BOREHOLE FLUID: WATER
RM TEMPERATURE: _____
MUD RES: _____

WITNESSED BY: RON
RECORDED BY: J. BOOS
REMARKS 1: _____
REMARKS 2: _____

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS



DATE	TIME	SENSOR	STANDARD	RESPONSE
Jul13,05	13:11:07	GAMMA	0.000 [API-GR]	2.00 [CPS]
Jul13,05	13:11:07	GAMMA	283.000 [API-GR]	294.00 [CPS]
Jul13,05	13:00:47	VOLTAGE	0.000 [MV]	4601.00 [CPS]
Jul13,05	13:00:47	VOLTAGE	1999.000 [MV]	271516.00 [CPS]
Aug15,05	18:38:58	CALIPER	10.160 [INCH]	111254.00 [CPS]
Aug15,05	18:38:58	CALIPER	15.240 [INCH]	342483.00 [CPS]
Aug15,05	16:46:42	DEN(LS)	1.106 [G/CC]	7465.00 [CPS]
Aug15,05	16:46:42	DEN(LS)	2.400 [G/CC]	447.90 [CPS]
Aug15,05	16:47:11	DEN(SS)	1.106 [G/CC]	14217.00 [CPS]
Aug15,05	16:47:11	DEN(SS)	2.400 [G/CC]	4549.44 [CPS]
Sep09,05	11:03:02	CALIPERL	15.250 [INCH]	150340.00 [CPS]
Jul13,05	13:02:39	CALIPER	25.400 [INCH]	346430.00 [CPS]
Jul13,05	13:02:39	CURRENT	0.000 [UA]	5387.00 [CPS]
Jul13,05	14:02:09	CURRENT	286.390 [UA]	28883.00 [CPS]
Jul13,05	14:02:09	TEMP	37.000 [DEG F]	169525.00 [CPS]
Jul13,05	14:02:09	TEMP	130.000 [DEG F]	438295.00 [CPS]

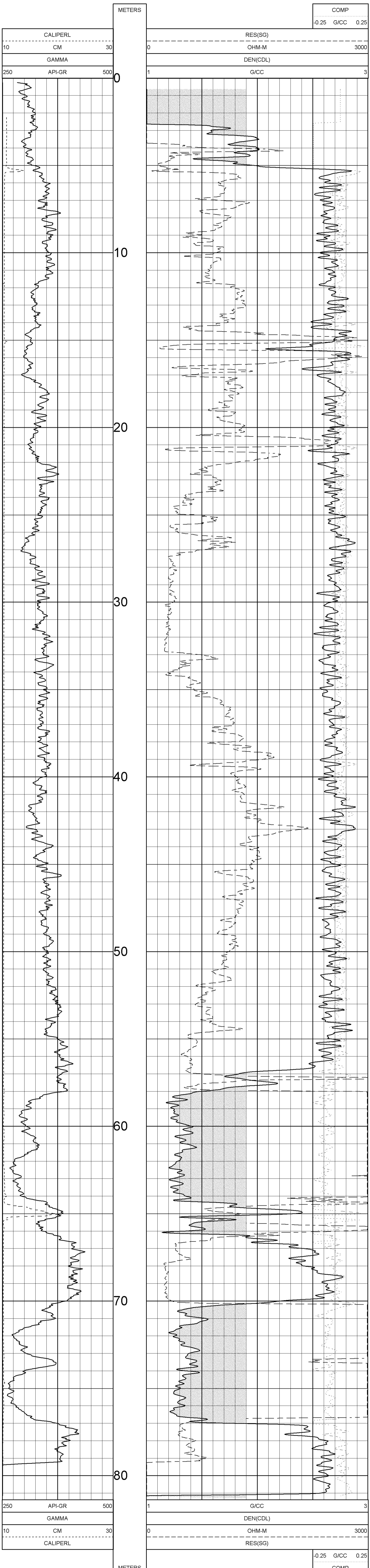


Century-geo.com

**GAMMA - CALIPER - RESISTIVITY
COMPENSATED DENSITY**

QBD 7657

COMPANY	NORTHERN ENERGY MINING INC	OTHER SERVICES	
WELL	QBD 7657	9057	
FIELD	ROMAN MTN	9410	
MUNICIPALITY	TUMBLER RIDGE	9139	
PROVINCE	BRITISH COLUMBIA		
LOCATION			
SECTION			
TOWNSHIP			
RANGE			
API NO.			
UNIQUE WELL ID.			
PERMANENT DATUM	GL	ELEVATION KB:	
LOG MEASURED FROM	GL	ELEVATION DF:	
DRL MEASURED FROM	GL	ELEVATION GL:	
DATE	08/04/05		
RUN NO.	3		
DEPTH DRILLER	83		
BIT SIZE	11.43		
LOG TOP	0.21		
LOG BOTTOM	81.35		
CASING OD	10.2		
CASING BOTTOM	3.04		
CASING TYPE	HW		
BOREHOLE FLUID	WATER		
RM TEMPERATURE			
MUD RES			
WITNESSED BY	RON		
RECORDED BY	J. SINKWICH		
REMARKS 1			
REMARKS 2			



TOOL CALIBRATION QBD 7657 08/04/05 16:24
 TOOL 9139A1
 SERIAL NUMBER 963

DATE	TIME	SENSOR	STANDARD	RESPONSE
1	Apr14,04 15:57:31	GAMMA	0.000 [API-GR]	6.00 [CPS]
	Apr14,04 15:57:31	GAMMA	331.000 [API-GR]	488.00 [CPS]
2	Apr14,04 15:57:37	VOLTAGE	0.000 [MV]	5095.00 [CPS]
	Apr14,04 15:57:37	VOLTAGE	1740.210 [MV]	142354.00 [CPS]
3	Apr14,04 17:20:00	CALIPER	7.850 [INCH]	90360.00 [CPS]
	Apr14,04 17:20:00	CALIPER	3.850 [INCH]	52980.00 [CPS]
4	Nov29,04 21:17:27	DEN(LS)	1.106 [G/CC]	9557.00 [CPS]
	Nov29,04 21:17:27	DEN(LS)	2.612 [G/CC]	573.00 [CPS]
5	Nov29,04 21:18:07	DEN(SS)	1.106 [G/CC]	16034.00 [CPS]
	Nov29,04 21:18:07	DEN(SS)	2.612 [G/CC]	5131.00 [CPS]
6	May08,05 11:26:04	CALIPERL	7.620 [INCH]	47938.00 [CPS]
	May08,05 11:26:04	CALIPERL	25.400 [INCH]	79160.00 [CPS]
7	Apr14,04 15:58:08	CURRENT	0.000 [UA]	4640.00 [CPS]
	Apr14,04 15:58:08	CURRENT	249.000 [UA]	37608.00 [CPS]
8	Apr14,04 15:58:28	TEMP	170.000 [DEG F]	95500.00 [CPS]
	Apr14,04 15:58:28	TEMP	68.000 [DEG F]	50541.00 [CPS]

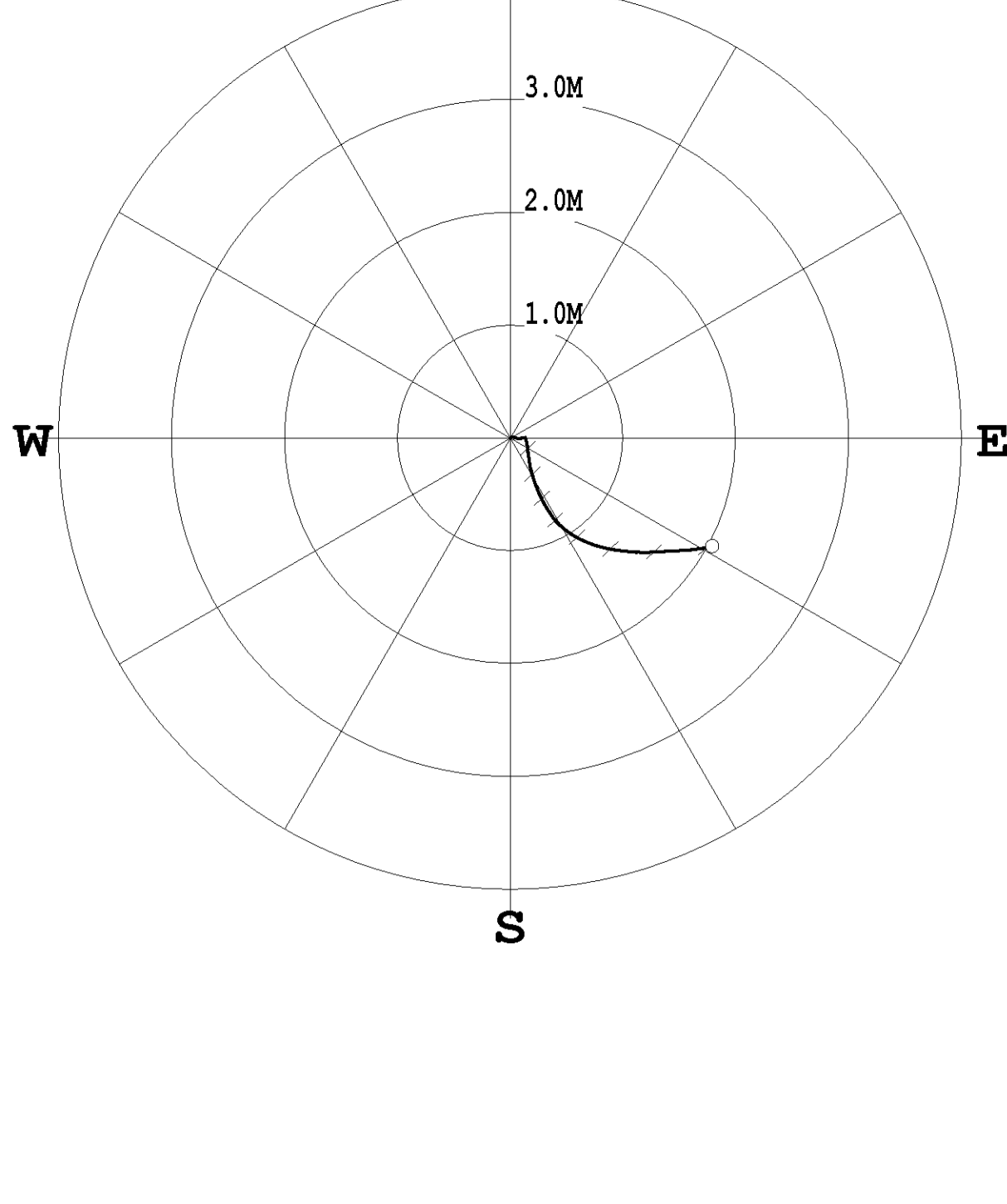
ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS

PLAN VIEW COMPU-LOG DEVIATION

CLIENT: NORTHERN ENERGY MINING INC
LOCATION: ROMAN MTN
HOLE ID: QBD 7657
DATE OF LOG: 08/04/05
PROBE: 9057A 1067

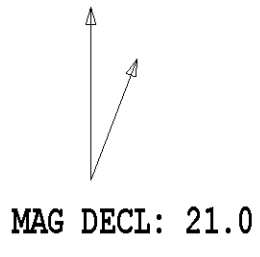
MAG DECL: 21.0

SCALE: 1 M/CM
TRUE DEPTH: 81.11 M
AZIMUTH: 118.2
DISTANCE: 2.0 M
+ = 10 M INCR
○ = BOTTOM OF HOLE

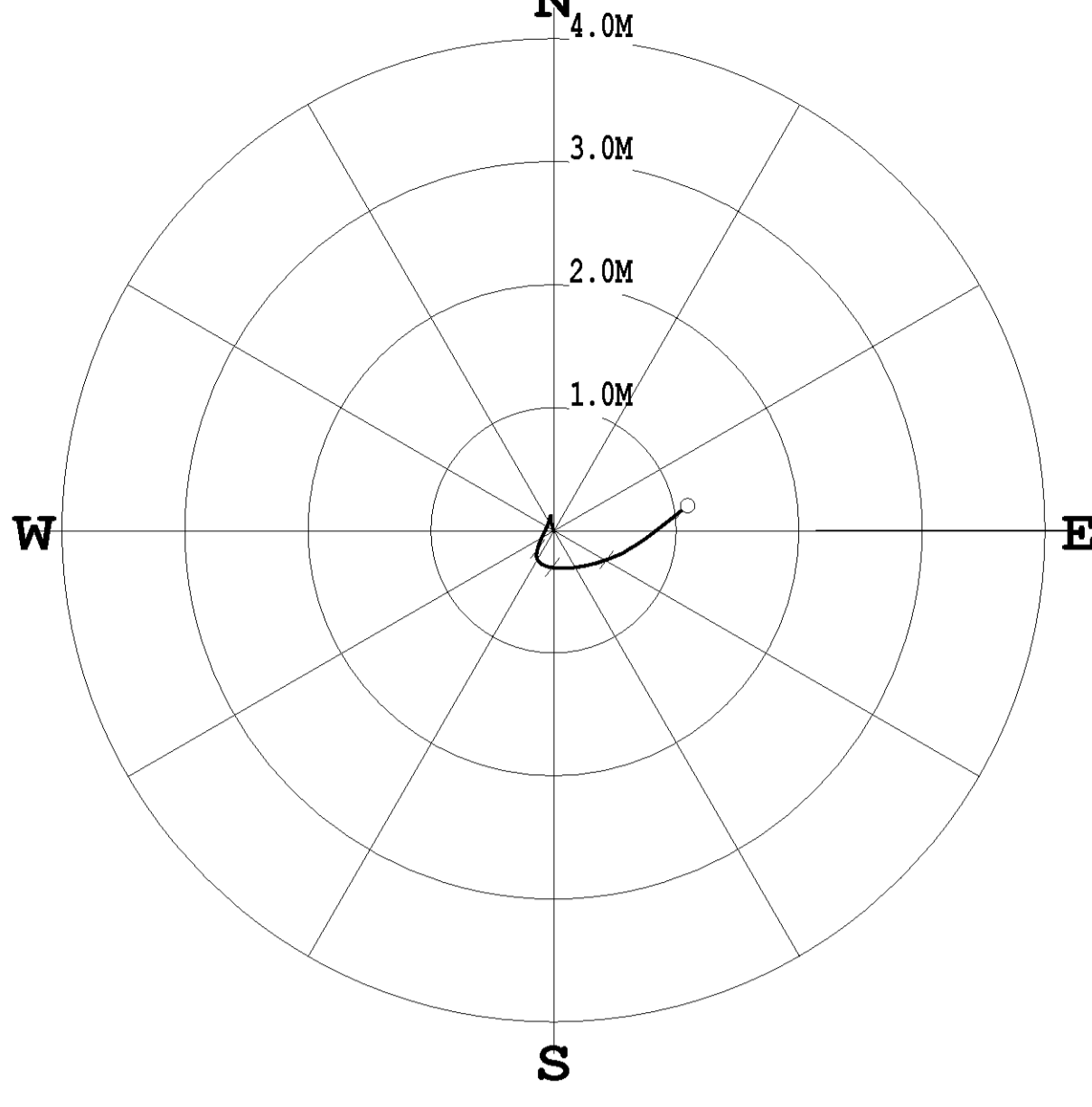


PLAN VIEW COMPU-LOG DEVIATION

CLIENT: NORTHERN ENERGY MINING INC
LOCATION: ROMAN MTN
HOLE ID: QBD 7657
DATE OF LOG: 08/04/05
PROBE: 9410A 377



SCALE: 1 M/CM
TRUE DEPTH: 81.03 M
AZIMUTH: 79.4
DISTANCE: 1.1 M
+ = 20 M INCR
○ = BOTTOM OF HOLE



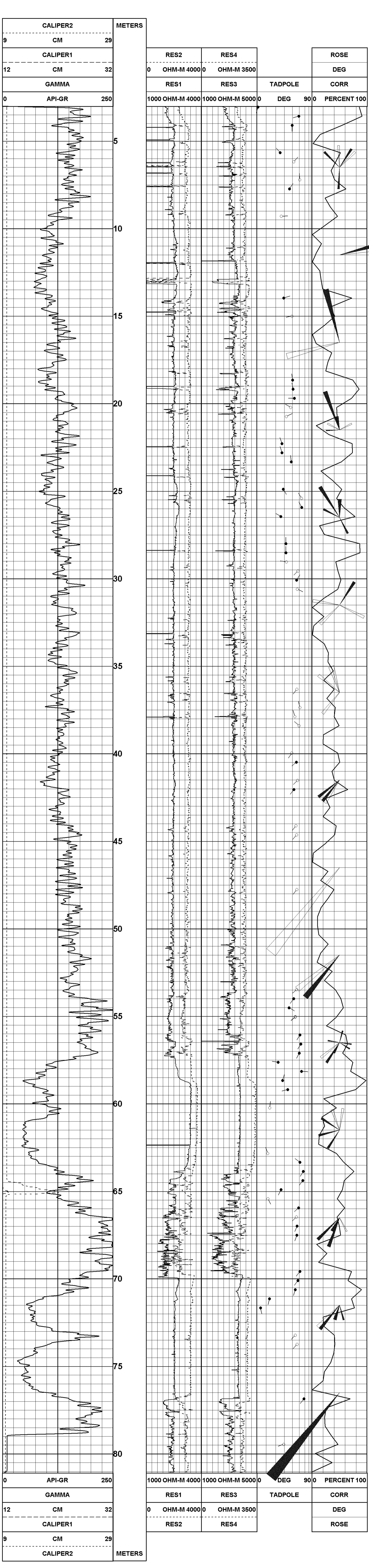
COMPANY: NORTHERN ENERGY MINING INC
 WELL: QBD 7657
 FIELD: ROMAN MTN
 MUNICIPALITY: TUMBLER RIDGE
 OTHER SERVICES: 9057, 9410, 9139
 PROVINCE: BRITISH COLUMBIA

LOCATION: :
 SECTION: :
 TOWNSHIP: :
 RANGE: :
 API NO.: :
 UNIQUE WELL ID: :

PERMANENT DATUM: GL
 LOG MEASURED FROM: GL
 DRI MEASURED FROM: GL
 DATE: 08/04/05
 RUN NO.: 2

DEPTH DRILLER: 83
 BIT SIZE: 11.43
 LOG TOP: 0.31
 LOG BOTTOM: 81.07

CASING OD: 10.2
 CASING BOTTOM: 3.04
 CASING TYPE: HW
 BOREHOLE FLUID: :
 RM TEMPERATURE: :
 MUD RES: :
 WITNESSED BY: RON
 RECORDED BY: J. SINKWICH
 REMARKS 1: :
 REMARKS 2: :
 ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS



TOOL CALIBRATION QBD 7657 08/04/05 15:28
 TOOL 9410A
 SERIAL NUMBER 377

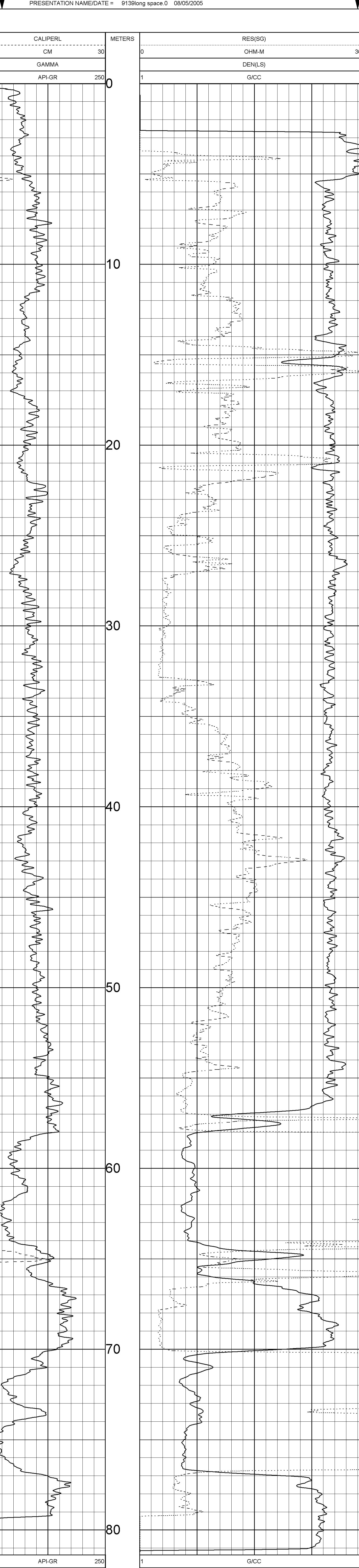
DATE	TIME	SENSOR	STANDARD	RESPONSE
1	Dec19,03 16:08:45	GAMMA	20.000	[API-GR] 5.00 [CPS]
	Dec19,03 16:08:45	GAMMA	275.000	[API-GR] 140.00 [CPS]
2	Mar16,04 16:33:35	VOLTAGE	Default	[MV] 1830.00 [CPS]
	Mar16,04 16:33:35	VOLTAGE	Default	[MV] 1830.00 [CPS]
3	Mar16,04 16:33:49	CUR1	Default	[CPS] Default [CPS]
	Mar16,04 16:33:49	CUR1	2135.000	[UA] 18740.00 [CPS]
4	Mar16,04 16:34:03	CUR2	Default	[CPS] Default [CPS]
	Mar16,04 16:34:03	CUR2	2135.000	[UA] 19170.00 [CPS]
5	Mar16,04 16:34:18	CUR3	Default	[CPS] Default [CPS]
	Mar16,04 16:34:18	CUR3	2135.000	[UA] 17360.00 [CPS]
6	Mar16,04 16:34:31	CUR4	Default	[CPS] Default [CPS]
	Mar16,04 16:34:31	CUR4	2135.000	[UA] 13950.00 [CPS]
7	Mar16,04 17:09:48	CALIPER	15.240	[INCH] 10944.00 [CPS]
	Mar16,04 17:09:48	CALIPER	20.320	[INCH] 13890.00 [CPS]

COMPANY	NORTHERN ENERGY MINING INC	OTHER SERVICES:
WELL	QBD 7657	9957
FIELD	ROMAN MTN	9410
COUNTY	TUMBLER RIDGE	9139
STATE	BRITISH COLUMBIA	
LOCATION		
SECTION		
TOWNSHIP		
RANGE		
API NO.		
UNIQUE WELL ID.		
PERMANENT DATUM	IGL	ELEVATION RB :
LOG MEASURED FROM IGL		ELEVATION DF :
DRL MEASURED FROM IGL		ELEVATION GL :
DATE	08/04/05	
DEPTH DRILLER	83	
BIT SIZE	11.43	
LOG TOP	0.21	
LOG BOTTOM	81.35	
CASING OD	10.2	
CASING BOTTOM	3.04	
CASING TYPE	HW	
BOREHOLE FLUID	WATER	
RIM TEMPERATURE		
MUD RES		
MUD WEIGHT		
RECORDED BY	J. SINKWICH	
REMARKS 1		
REMARKS 2		

LONG-SPACE DENSITY QBD 7657 08/04/05

LOG PARAMETERS

MATRIX DENSITY : 2.65 NEUTRON MATRIX : SANDSTONE MATRIX DELTA T : 140
MAGNETIC DECL : 21 ELECT. CUTOFF : 77777 BIT SIZE : 11.43
PRESENTATION NAME/DATE = 9139long space.0 08/05/2005



LONG-SPACE DENSITY QBD 7657 08/04/05

LOG PARAMETERS

MATRIX DENSITY : 2.65 NEUTRON MATRIX : SANDSTONE MATRIX DELTA T : 140
MAGNETIC DECL : 21 ELECT. CUTOFF : 77777 BIT SIZE : 11.43
PRESENTATION NAME/DATE = 9139long space.0 08/05/2005

TOOL CALIBRATION QBD 7657 08/04/05 16:24
TOOL 9139A1 TM VERSION 0
SERIAL NUMBER 963

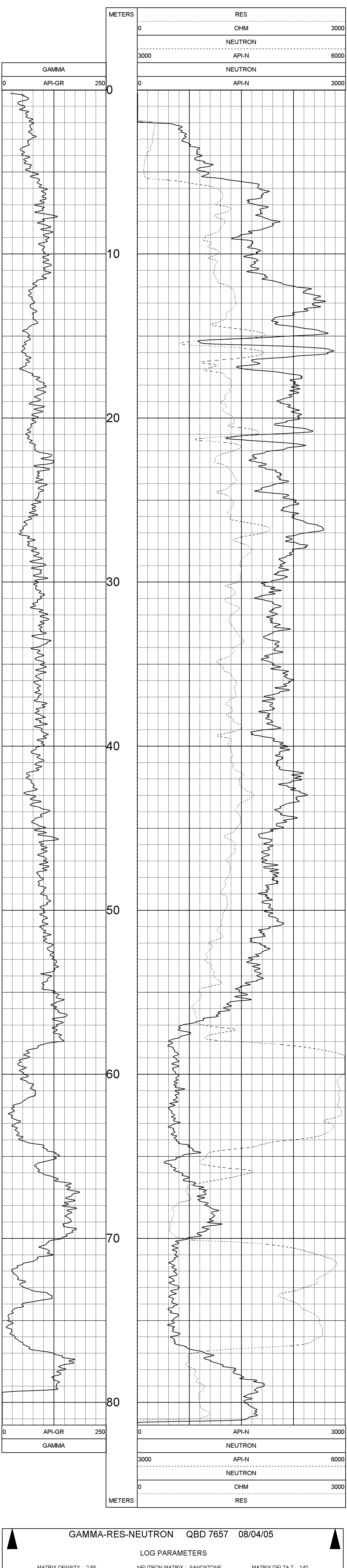
DATE	TIME	SENSOR	STANDARD	RESPONSE
1	Apr14,04 15:57:31	GAMMA	0.000 [API-GR]	6.00 [CPS]
2	Apr14,04 15:57:31	GAMMA	331.000 [API-GR]	5095.00 [CPS]
3	Apr14,04 15:57:37	VOLTAGE	0.000 [MV]	488.00 [CPS]
4	Apr14,04 17:20:00	CALIPER	1740.210 [INCH]	142354.00 [CPS]
5	Apr14,04 17:20:00	CALIPER	7.850 [INCH]	90360.00 [CPS]
6	Nov29,04 21:17:27	DEN(LS)	1.106 [G/CC]	52980.00 [CPS]
7	Nov29,04 21:17:27	DEN(LS)	2.612 [G/CC]	9557.00 [CPS]
8	Nov29,04 21:18:07	DEN(SS)	1.106 [G/CC]	573.00 [CPS]
9	Nov29,04 21:18:07	DEN(SS)	2.612 [G/CC]	16034.00 [CPS]
10	Nov29,04 21:18:07	DEN(SS)	2.612 [G/CC]	5131.00 [CPS]
11	May08,05 11:26:04	CALIPERL	7.620 [INCH]	47938.00 [CPS]
12	May08,05 11:26:04	CALIPERL	25.400 [INCH]	79160.00 [CPS]
13	Apr14,04 15:58:08	CURRENT	0.000 [UA]	4640.00 [CPS]
14	Apr14,04 15:58:08	CURRENT	249.000 [UA]	37608.00 [CPS]
15	Apr14,04 15:58:28	TEMP	170.000 [DEG F]	95500.00 [CPS]
16	Apr14,04 15:58:28	TEMP	68.000 [DEG F]	50541.00 [CPS]

COMPANY	NORTHERN ENERGY MINING INC	OTHER SERVICES:	
WELL	QBD 7657	9057	
FIELD	ROMAN MTN	9410	
COUNTY	TUMBLER RIDGE	9139	
STATE	BRITISH COLUMBIA		
LOCATION			
SECTION			
TOWNSHIP			
RANGE			
API NO.			
UNIQUE WELL ID.			
PERMANENT DATUM	SL	ELEVATION KB :	
LOG MEASURED FROM GL		ELEVATION DF :	
DRL MEASURED FROM GL		ELEVATION GL :	
DATE	08/04/05		
DEPTH DRILLER	83		
BIT SIZE	:11.43		
LOG TOP	:0.21		
LOG BOTTOM	:81.35		
CASING OD	:10.2		
CASING BOTTOM	3.04		
CASING TYPE	HW		
BOREHOLE FLUID			
RM TEMPERATURE			
MUD RES			
MUD WEIGHT			
RECORDED BY	J. SINKWICH		
REMARKS 1			
REMARKS 2			

GAMMA-RES-NEUTRON QBD 7657 08/04/05

LOG PARAMETERS

MATRIX DENSITY : 2.65 NEUTRON MATRIX : SANDSTONE MATRIX DELTA T : 140
 MAGNETIC DECL : 21.000 ELECT. CUTOFF : 77777 BIT SIZE : 11.43
 PRESENTATION NAME/DATE = 9057A.0 07/19/2005



GAMMA-RES-NEUTRON QBD 7657 08/04/05

LOG PARAMETERS

MATRIX DENSITY : 2.65 NEUTRON MATRIX : SANDSTONE MATRIX DELTA T : 140
 MAGNETIC DECL : 21.000 ELECT. CUTOFF : 77777 BIT SIZE : 11.43
 PRESENTATION NAME/DATE = 9057A.0 07/19/2005

TOOL CALIBRATION QBD 7657 08/04/05 14:44
 TOOL 9057A TM QSD 5500
 SERIAL NUMBER 1067

DATE	TIME	SENSOR	STANDARD	RESPONSE
1	Apr12.02 01:41:30	GAMMA	0.000 [API-GR]	10.00 [CPS]
	Apr12.02 00:41:30	GAMMA	290.000 [API-GR]	350.00 [CPS]
2	Aug02.99 06:17:32	NEUTROI	Default [CPS]	Default [CPS]
3	Aug02.99 06:17:32	NEUTROI	Default [CPS]	Default [CPS]
3	Aug02.99 06:17:32	SP	Default [CPS]	Default [CPS]
4	Aug02.99 06:17:32	RES(16N)	Default [CPS]	Default [CPS]
4	Feb22.02 21:30:07	RES(16N)	Default [CPS]	Default [CPS]
5	Aug02.99 06:17:32	RES(64N)	Default [CPS]	Default [CPS]
5	Aug02.99 06:17:32	RES(64N)	Default [CPS]	Default [CPS]
6	Mar08.02 15:30:38	TEMP	Default [CPS]	Default [CPS]
6	Mar08.02 15:30:38	TEMP	Default [CPS]	Default [CPS]
7	Aug02.99 06:17:32	RES	Default [CPS]	Default [CPS]
7	Aug02.99 06:17:32	RES	Default [CPS]	Default [CPS]

COMPANY	NORTHERN ENERGY MINING INC	OTHER SERVICES:
WELL	QBD 7657	9657
FIELD	ROMAN MTN	9410
COUNTY	TUMBLER RIDGE	9139
STATE	BRITISH COLUMBIA	

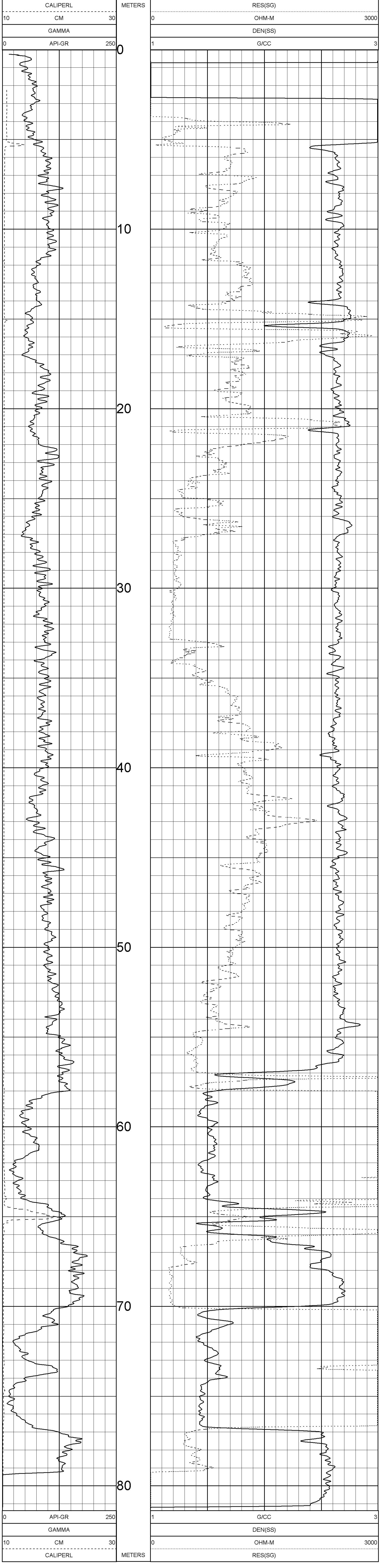
LOCATION		
SECTION		
TOWNSHIP		
RANGE		
API NO.		
UNIQUE WELL ID.		
PERMANENT DATUM	IGL	ELEVATION RB :
LOG MEASURED FROM IGL		ELEVATION DF :
DRL MEASURED FROM IGL		ELEVATION GL :
DATE	08/04/05	

DEPTH DRILLER	83
BIT SIZE	11.43
LOG TOP	0.21
LOG BOTTOM	81.35
CASING OD	10.2
CASING BOTTOM	3.04
CASING TYPE	HW
BOREHOLE FLUID	WATER
RM TEMPERATURE	
MUD RES	
MUD WEIGHT	
RECORDED BY	J. SINKWICH
REMARKS 1	
REMARKS 2	

SHORT-SPACE DENSITY QBD 7657 08/04/05

LOG PARAMETERS

MATRIX DENSITY : 2.65	NEUTRON MATRIX : SANDSTONE	MATRIX DELTA T : 140
MAGNETIC DECL : 21	ELECT. CUTOFF : 77777	BIT SIZE : 11.43
PRESENTATION NAME/DATE = 9139short space.0 08/03/2005		



SHORT-SPACE DENSITY QBD 7657 08/04/05

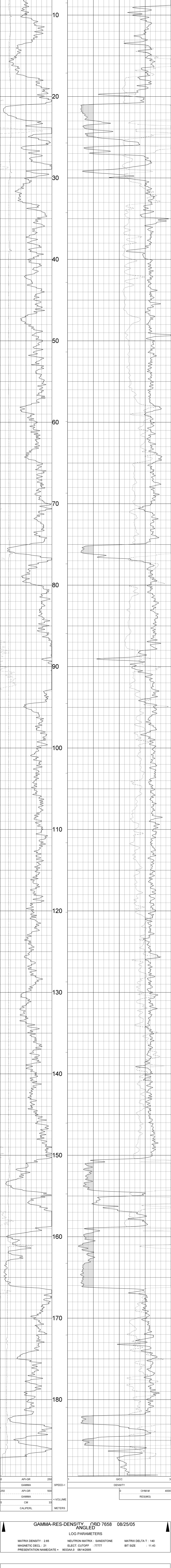
LOG PARAMETERS

MATRIX DENSITY : 2.65	NEUTRON MATRIX : SANDSTONE	MATRIX DELTA T : 140
MAGNETIC DECL : 21	ELECT. CUTOFF : 77777	BIT SIZE : 11.43
PRESENTATION NAME/DATE = 9139short space.0 08/03/2005		

DATE	TIME	SENSOR	STANDARD	RESPONSE
1	Apr14,04 15:57:31	GAMMA	0.000 [API-GR]	6.00 [CPS]
2	Apr14,04 15:57:31	GAMMA	331.000 [API-GR]	488.00 [CPS]
3	Apr14,04 15:57:37	VOLTAGE	0.000 [MV]	5095.00 [CPS]
4	Apr14,04 15:57:37	VOLTAGE	1740.210 [MV]	142354.00 [CPS]
5	Apr14,04 17:20:00	CALIPER	7.850 [INCH]	90360.00 [CPS]
6	Apr14,04 17:20:00	CALIPER	3.850 [INCH]	52980.00 [CPS]
7	Nov29,04 21:17:27	DEN(LS)	1.106 [G/CC]	9557.00 [CPS]
8	Nov29,04 21:17:27	DEN(LS)	2.612 [G/CC]	573.00 [CPS]
9	Nov29,04 21:18:07	DEN(SS)	1.106 [G/CC]	16034.00 [CPS]
10	Nov29,04 21:18:07	DEN(SS)	2.612 [G/CC]	5131.00 [CPS]
11	May08,05 11:26:04	CALIPERL	7.620 [INCH]	47938.00 [CPS]
12	May08,05 11:26:04	CALIPERL	25.400 [INCH]	79160.00 [CPS]
13	Apr14,04 15:58:08	CURRENT	0.000 [UA]	4640.00 [CPS]
14	Apr14,04 15:58:08	CURRENT	249.000 [UA]	37608.00 [CPS]
15	Apr14,04 15:58:28	TEMP	170.000 [DEG F]	95500.00 [CPS]
16	Apr14,04 15:58:28	TEMP	68.000 [DEG F]	50541.00 [CPS]

GAMMA-RES-DENSITY ANGLED QBD 7658 08/25/05
LOG PARAMETERS

MATRIX DENSITY : 2.65 NEUTRON MATRIX : SANDSTONE MATRIX DELTA T : 140
 MAGNETIC DECL : 21 ELECT. CUTOFF : 77777 BIT SIZE : 11.43
 PRESENTATION NAME/DATE = 9033AA.0 08/14/2005



GAMMA-RES-DENSITY ANGLED QBD 7658 08/25/05
LOG PARAMETERS

MATRIX DENSITY : 2.65 NEUTRON MATRIX : SANDSTONE MATRIX DELTA T : 140
 MAGNETIC DECL : 21 ELECT. CUTOFF : 77777 BIT SIZE : 11.43
 PRESENTATION NAME/DATE = 9033AA.0 08/14/2005

TOOL CALIBRATION QBD 7658 08/25/05 17:57
 TOOL 9033AA1 TM VERSION 5200
 SERIAL NUMBER 402

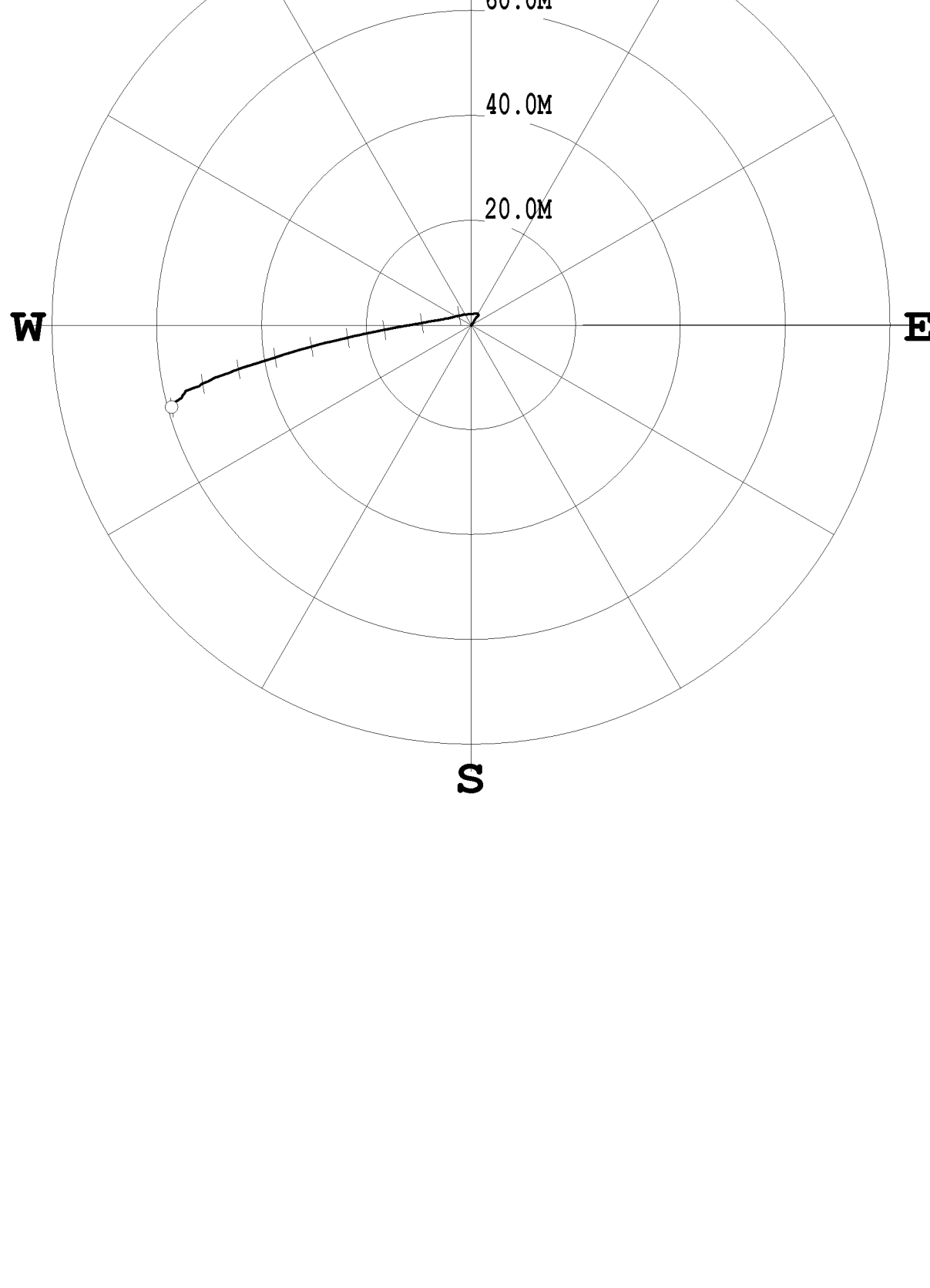
DATE	TIME	SENSOR	STANDARD	RESPONSE
1	May08.05 15:01:50	GAMMA	Default [CPS]	Default [CPS]
2	May08.05 15:01:50	GAMMA	Default [CPS]	Default [CPS]
3	Aug26.05 00:07:07	DENSITY	1.106 [G/CC]	4878.00 [CPS]
3	Aug26.05 00:07:07	DENSITY	2.612 [G/CC]	929.00 [CPS]
4	May08.05 15:01:50	RES (MG)	Default [CPS]	Default [CPS]
4	May08.05 15:01:50	RES (MG)	Default [CPS]	Default [CPS]
4	May08.05 15:01:50	CALPER	Default [CPS]	Default [CPS]
4	May08.05 15:01:50	CALPER	Default [CPS]	Default [CPS]
5	May08.05 15:01:50	DENSITY	Default [CPS]	Default [CPS]
5	May08.05 15:01:50	DENSITY	Default [CPS]	Default [CPS]
6	Aug14.05 03:17:25	CALPERL	15.200 [CM]	560.00 [CPS]
6	Aug14.05 03:17:25	CALPERL	30.800 [CM]	2036.00 [CPS]
7	Aug02.99 06:17:32	RES	Default [CPS]	Default [CPS]
7	Aug02.99 06:17:32	RES	Default [CPS]	Default [CPS]
8	Apr12.02 00:42:07	POR (NEU)	100.000 [PERCENT]	178.00 [CPS]

PLAN VIEW COMPU-LOG DEVIATION

CLIENT: NORTHERN ENERGY MINING INC
LOCATION: ROMAN MTN
HOLE ID: QBD 7658
DATE OF LOG: 08/25/05
PROBE: 9057A 1067

MAG DECL: 21.0

SCALE: 10 M/CM
TRUE DEPTH: 179.35 M
AZIMUTH: 254.7
DISTANCE: 59.2 M
+ = 20 M INCR
○ = BOTTOM OF HOLE



COMPANY : NORTHERN ENERGY MINING INC
WELL : QBD 7658/ANGLED
FIELD : ROMAN MTN
COUNTY : LUMBER RIDGE
STATE : BRITISH COLUMBIA

OTHER SERVICES : 9827 9833
LOCATION :
SECTION :
TOWNSHIP :
RANGE :
APR NO. :
UNIQUE WELL ID :

PERMANENT DATUM : G.L.
LOG MEASURED FROM G.L. :
ELEVATION NB :
ELEVATION DF :
ELEVATION GL :

DATE : 08/25/05
DEPTH DRILLER : 195
BIT SIZE : 11.43
LOG TOP : 0.27
LOG BOTTOM : 191.20
CASING OD : 10.2
CASING BOTTOM : 9.12

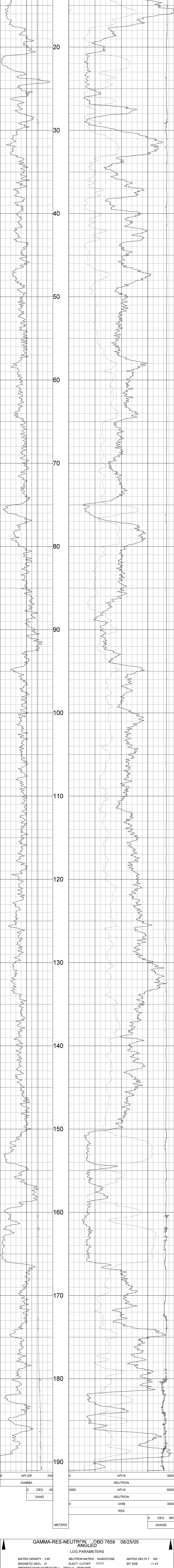
CASING TYPE : SURFACE
BOREHOLE FLUID :
FLOW TEMPERATURE :
MUD RES :
MUD WEIGHT :

RECORDED BY : J. SIMONICH
REMARKS 1 : -HOLE ANGLE 70 DEGREES
REMARKS 2 :

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS

GAMMA-RES-NEUTRON QBD 7658 08/25/05
ANGLED
LOG PARAMETERS

MATRIX DENSITY : 2.65 NEUTRON MATRIX : SANDSTONE MATRIX DELTA T : 140
MAGNETIC DECL : 21 ELECT. CUTOFF : 77777 BIT SIZE : 11.43
PRESENTATION NAME/DATE = 9057A.0 08/05/2005



GAMMA-RES-NEUTRON QBD 7658 08/25/05
ANGLED
LOG PARAMETERS

MATRIX DENSITY : 2.65 NEUTRON MATRIX : SANDSTONE MATRIX DELTA T : 140
MAGNETIC DECL : 21 ELECT. CUTOFF : 77777 BIT SIZE : 11.43
PRESENTATION NAME/DATE = 9057A.0 08/05/2005

TOOL CALIBRATION QBD 7658 08/25/05 17:16
TOOL 9057A TM VERSION 5500
SERIAL NUMBER 1067

DATE	TIME	SENSOR	STANDARD	RESPONSE
1	Apr12.02 01:41:30	GAMMA	0.000 [API-GR]	10.00 [CPS]
1	Apr12.02 00:41:30	GAMMA	290.000 [API-GR]	350.00 [CPS]
2	Aug02.99 06:17:32	NEUTRON	Default [CPS]	Default [CPS]
2	Aug02.99 06:17:32	NEUTRON	Default [CPS]	Default [CPS]
3	Aug02.99 06:17:32	SP	Default [CPS]	Default [CPS]
3	Aug02.99 06:17:32	SP	Default [CPS]	Default [CPS]
4	Feb22.02 21:30:07	RES(16N)	Default [CPS]	Default [CPS]
4	Feb22.02 21:30:07	RES(16N)	Default [CPS]	Default [CPS]
5	Aug02.99 06:17:32	RES(16N)	Default [CPS]	Default [CPS]
5	Aug02.99 06:17:32	RES(64N)	Default [CPS]	Default [CPS]
6	Mar08.02 15:30:38	TEMP	Default [CPS]	Default [CPS]
6	Mar08.02 15:30:38	TEMP	Default [CPS]	Default [CPS]
7	Aug02.99 06:17:32	RES	Default [CPS]	Default [CPS]
7	Aug02.99 06:17:32	RES	Default [CPS]	Default [CPS]

COMPANY : NORTHERN ENERGY MINING INC.
WELL : QBD 7659/ANGLED
FIELD : ROMAN MTN
COUNTY : TUMBLER RIDGE
STATE : BRITISH COLUMBIA
OTHER SERVICES : 9055 9139

LOCATION :
SECTION :
TOWNSHIP :
RANGE :
API NO :
UNIQUE WELL ID :

PERMANENT DATUM : GL
LOG MEASURED FROM : GL
DRL MEASURED FROM : GL
ELEVATION KB :
ELEVATION DF :
ELEVATION GL :

DATE : 09/24/05
DEPTH DRILLER : 137
BIT SIZE : 11.43
LOG TOP : -0.49
LOG BOTTOM : 135.82
CASING OD : 11.43
CASING BOTTOM : 9.14

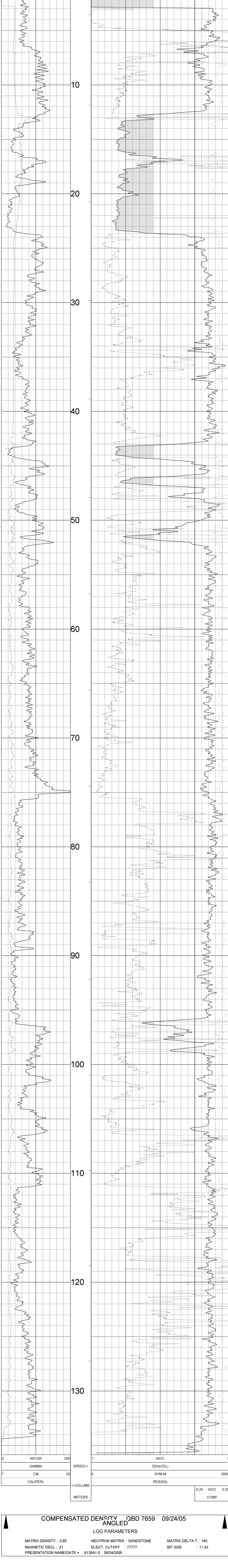
CASING TYPE : SURFACE
BOREHOLE FLUID :
RT TEMPERATURE :
MUD RES :
MUD WEIGHT :

RECORDED BY : J. SINKWICH
REMARKS 1 : HOLE ANGLE 65 DEGREES BEARING 057 DEGREES
REMARKS 2 :

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS

COMPENSATED DENSITY QBD 7659 09/24/05
ANGLED
LOG PARAMETERS

MATRIX DENSITY : 2.65 NEUTRON MATRIX : SANDSTONE MATRIX DELTA T : 140
MAGNETIC DECL : 21 ELECT. CUTOFF : 77777 BIT SIZE : 11.43
PRESENTATION NAME/DATE = 9139A1.0 09/24/2005



COMPENSATED DENSITY QBD 7659 09/24/05
ANGLED
LOG PARAMETERS

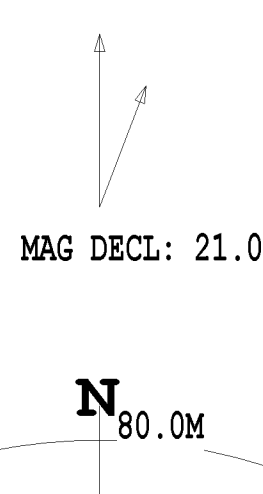
MATRIX DENSITY : 2.65 NEUTRON MATRIX : SANDSTONE MATRIX DELTA T : 140
MAGNETIC DECL : 21 ELECT. CUTOFF : 77777 BIT SIZE : 11.43
PRESENTATION NAME/DATE = 9139A1.0 09/24/2005

TOOL CALIBRATION QBD 7659 09/24/05 12:52
TOOL 9139A1 TM VERSION 1003
SERIAL NUMBER 963

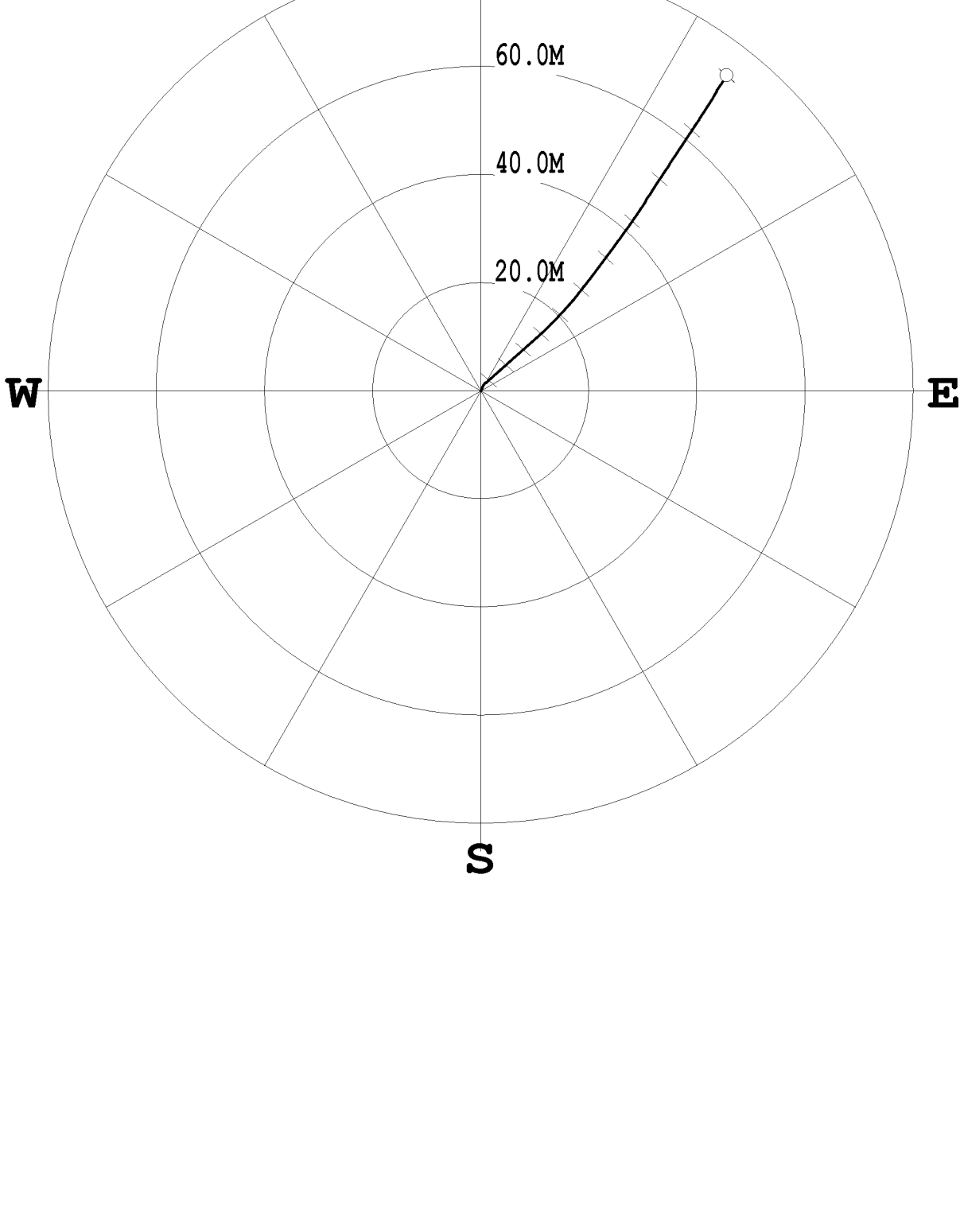
DATE	TIME	SENSOR	STANDARD	RESPONSE
1	Apr14,04 16:57:31	GAMMA	0.000 [API-GR]	6.00 [CPS]
	Apr14,04 15:57:31	GAMMA	331.000 [API-GR]	488.00 [CPS]
2	Apr14,04 15:57:37	VOLTAGE	0.000 [MV]	5095.00 [CPS]
3	Apr14,04 17:20:00	CALIPER	1740.210 [INCH]	142354.00 [CPS]
	Apr14,04 17:20:00	CALIPER	7.850 [INCH]	90360.00 [CPS]
4	Sep21,05 01:32:59	DEN(LS)	3.106 [G/CC]	52980.00 [CPS]
	Sep21,05 01:32:59	DEN(LS)	1.106 [G/CC]	9853.00 [CPS]
5	Sep21,05 01:33:16	DEN(SS)	2.612 [G/CC]	4947.00 [CPS]
	Sep21,05 01:33:16	DEN(SS)	2.612 [G/CC]	4947.00 [CPS]
6	Sep16,05 21:54:59	CALIPERL	7.620 [INCH]	48027.00 [CPS]
	Sep16,05 21:54:59	CALIPERL	25.400 [INCH]	79526.00 [CPS]
7	Apr14,04 15:58:08	CURRENT	0.000 [UA]	4640.00 [CPS]
	Apr14,04 15:58:08	CURRENT	248.000 [UA]	37608.00 [CPS]
8	Apr14,04 15:58:28	TEMP	170.000 [DEG F]	95500.00 [CPS]
	Apr14,04 15:58:28	TEMP	68.000 [DEG F]	50541.00 [CPS]

PLAN VIEW COMPU-LOG DEVIATION

CLIENT: NORTHERN ENERGY MINING INC
LOCATION: ROMAN MTN
HOLE ID: QBD 7659
DATE OF LOG: 09/24/05
PROBE: 9055A 80



SCALE: 10 M/CM
TRUE DEPTH: 109.90 M
AZIMUTH: 37.9
DISTANCE: 73.9 M
+ = 10 M INCR
○ = BOTTOM OF HOLE

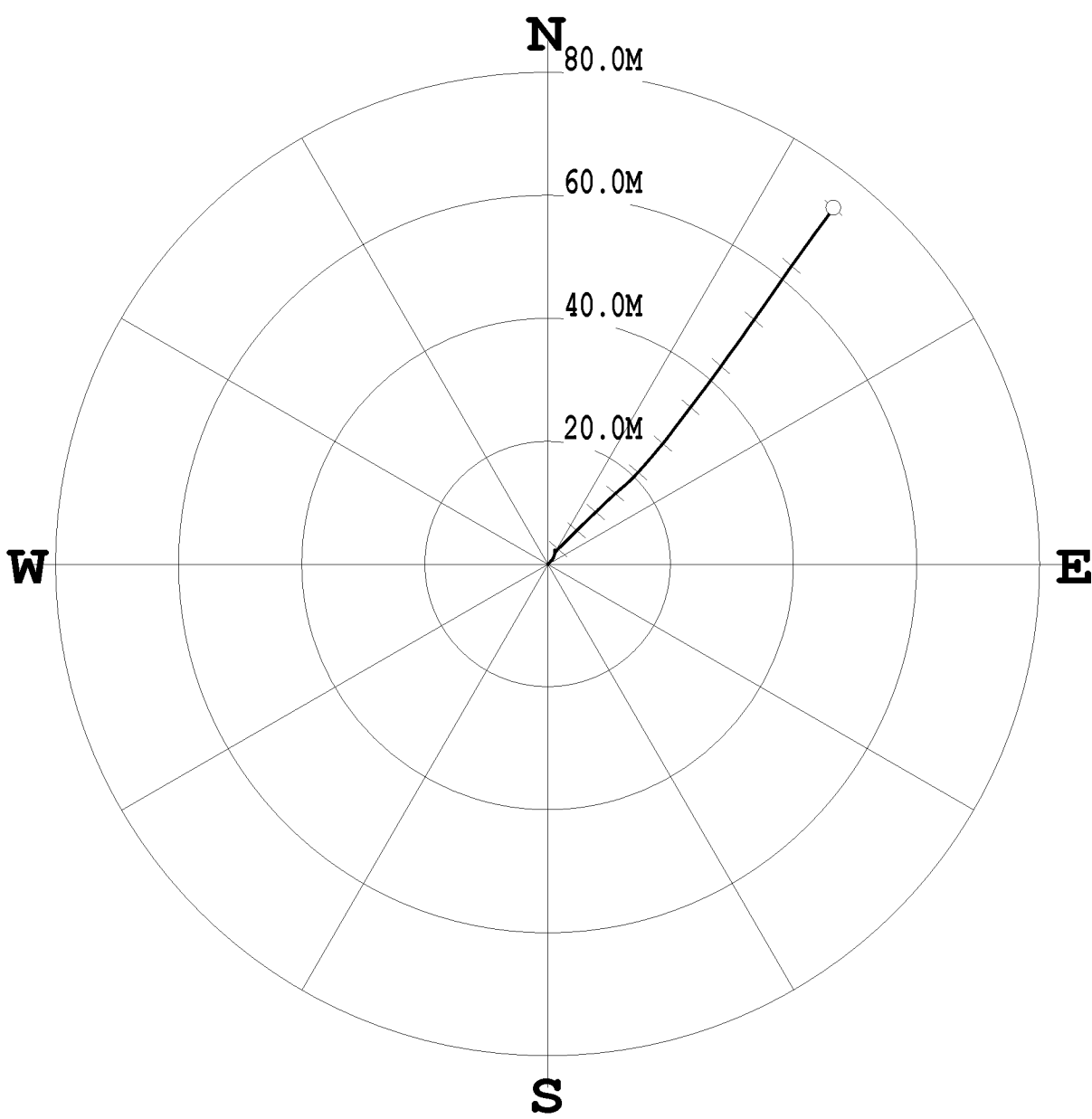


PLAN VIEW COMPU-LOG DEVIATION

CLIENT: NORTHERN ENERGY MINING INC
LOCATION: ROMAN MTN
HOLE ID: QBD 7659
DATE OF LOG: 09/24/05
PROBE: 9410A 377

MAG DECL: 21.0

SCALE: 10 M/CM
TRUE DEPTH: 109.73 M
AZIMUTH: 38.7
DISTANCE: 74.2 M
+ = 10 M INCR
○ = BOTTOM OF HOLE





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DIPMETER
QBD 7659
ANGLED

COMPANY : NORTHERN ENERGY MINING INC
 WELL : QBD 7659 ANGLED
 FIELD : ROMAN MTN
 COUNTY : TUMBLER RIDGE
 STATE : BRITISH COLUMBIA

OTHER SERVICES:
 9055
 9139
 9410

LOCATION :
 SECTION :
 TOWNSHIP :
 RANGE :
 API NO :
 UNIQUE WELL ID :

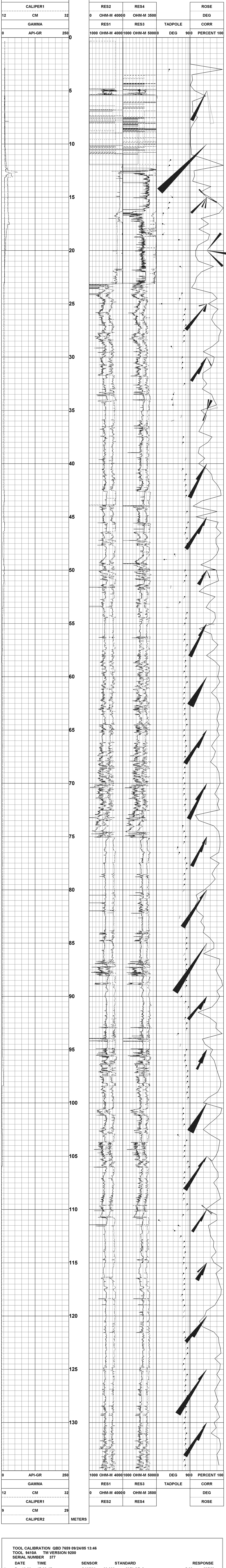
PERMANENT DATUM : GL
 LOG MEASURED FROM : GL
 DRL MEASURED FROM : GL
 DATE : 09/24/05
 DEPTH DRILLER :
 BIT SIZE : 11.43

ELEVATION RG :
 ELEVATION DF :
 ELEVATION GL :

LOG TOP : 0.35
 LOG BOTTOM : 134.50
 CASING OD : 11.43
 CASING BOTTOM : 9.14
 CASING TYPE : SURFACE

BOREHOLE FLUID :
 RTM TEMPERATURE :
 MUD RES :
 MUD WEIGHT :

RECORDED BY : J. SINKWICH
 REMARKS 1 : HOLE ANGLE: 65 DEGREES BEARING: 057 DEGREES
 REMARKS 2 :
 ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS

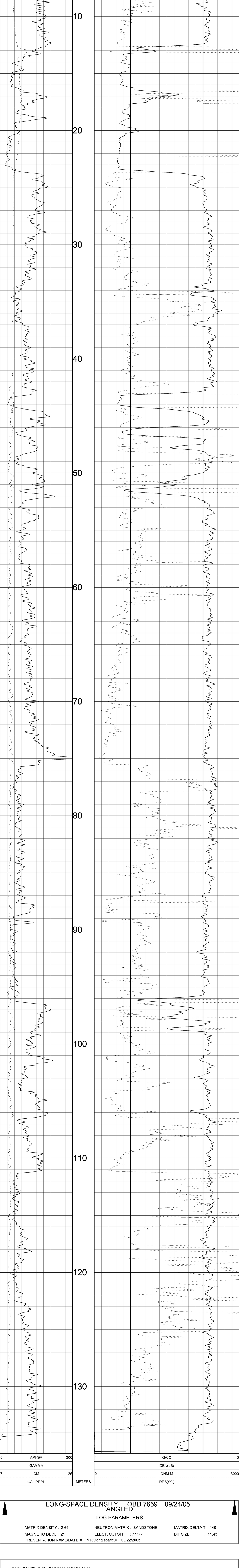


TOOL CALIBRATION QBD 7659 09/24/05 13:46
 TOOL 9410A TM VERSION 9200
 SERIAL NUMBER 377

DATE	TIME	SENSOR	STANDARD	RESPONSE
1	Dec19,03 17:08:45	GAMMA	20.000 [API-GR]	5.00 [CPS]
	Dec19,03 16:08:45	GAMMA	275.000 [API-GR]	140.00 [CPS]
2	Mar16,04 16:33:35	VOLTAGE	Default [CPS]	Default [CPS]
	Mar16,04 16:33:35	VOLTAGE	341.000 [MV]	1830.00 [CPS]
3	Mar16,04 16:33:49	CUR1	Default [CPS]	Default [CPS]
	Mar16,04 16:33:49	CUR1	2135.000 [UA]	18740.00 [CPS]
4	Mar16,04 16:34:03	CUR2	Default [CPS]	Default [CPS]
	Mar16,04 16:34:03	CUR2	2135.000 [UA]	19170.00 [CPS]
5	Mar16,04 16:34:18	CUR3	Default [CPS]	Default [CPS]
	Mar16,04 16:34:18	CUR3	2135.000 [UA]	17360.00 [CPS]
6	Mar16,04 16:34:31	CUR4	Default [CPS]	Default [CPS]
	Mar16,04 16:34:31	CUR4	2135.000 [UA]	13950.00 [CPS]
7	Sep16,05 22:28:07	CALIPER	15.240 [INCH]	10955.00 [CPS]
	Sep16,05 22:28:07	CALIPER	25.400 [INCH]	18410.00 [CPS]

LONG-SPACE DENSITY QBD 7659 09/24/05
ANGLED
LOG PARAMETERS

MATRIX DENSITY : 2.65 NEUTRON MATRIX : SANDSTONE MATRIX DELTA T : 140
MAGNETIC DECL : 21 ELECT. CUTOFF : 77777 BIT SIZE : 11.43
PRESENTATION NAME/DATE = 9139long.space.0 09/22/2005



LONG-SPACE DENSITY QBD 7659 09/24/05
ANGLED
LOG PARAMETERS

MATRIX DENSITY : 2.65 NEUTRON MATRIX : SANDSTONE MATRIX DELTA T : 140
MAGNETIC DECL : 21 ELECT. CUTOFF : 77777 BIT SIZE : 11.43
PRESENTATION NAME/DATE = 9139long.space.0 09/22/2005

TOOL CALIBRATION QBD 7659 09/24/05 12:52
TOOL 9139A1 TM VERSION 1003
SERIAL NUMBER 963

DATE	TIME	SENSOR	STANDARD	RESPONSE
1	Apr14.04 15:57:31	GAMMA	0.000 [API-GR]	6.00 [CPS]
1	Apr14.04 15:57:31	GAMMA	331.000 [API-GR]	488.00 [CPS]
1	Apr14.04 15:57:37	VOLTAGE	0.000 [MV]	5095.00 [CPS]
1	Apr14.04 15:57:37	VOLTAGE	1740.210 [MV]	142354.00 [CPS]
3	Apr14.04 17:20:00	CALIPER	7.850 [INCH]	90360.00 [CPS]
3	Apr14.04 17:20:00	CALIPER	3.850 [INCH]	52980.00 [CPS]
4	Sep21.05 01:32:59	DEN(LS)	1.106 [G/CC]	9853.00 [CPS]
4	Sep21.05 01:32:59	DEN(LS)	1.106 [G/CC]	591.00 [CPS]
5	Sep21.05 01:33:16	DEN(SS)	2.612 [G/CC]	15460.00 [CPS]
5	Sep21.05 01:33:16	DEN(SS)	2.612 [G/CC]	4947.00 [CPS]
6	Sep16.05 21:54:59	CALIPERL	7.620 [INCH]	48027.00 [CPS]
6	Sep16.05 21:54:59	CALIPERL	25.400 [INCH]	79526.00 [CPS]
7	Apr14.04 15:58:08	CURRENT	0.000 [UA]	4640.00 [CPS]
7	Apr14.04 15:58:08	CURRENT	249.000 [UA]	37608.00 [CPS]
8	Apr14.04 15:58:28	TEMP	170.000 [DEG F]	96500.00 [CPS]
8	Apr14.04 15:58:28	TEMP	68.000 [DEG F]	50541.00 [CPS]

COMPANY : NORTHERN ENERGY MINING INC
WELL : QBD 7659ANGLED
COUNTY : TUMBLE RIDGE
STATE : BRITISH COLUMBIA

OTHER SERVICES
9056
9139

LOCATION :
SECTION :
TOWNSHIP :
RANGE :
API NO :
UNIQUE WELL ID :

PERMANENT DATUM : GL
LOG MEASURED FROM : GL
DRL MEASURED FROM : GL
ELEVATION NS :
ELEVATION DF :
ELEVATION QL :

DATE : 09/24/05
DEPTH DRILLER : 137
BIT SIZE : 11.43
LOG TOP : 1.68
LOG BOTTOM : 135.82
CASING OD : 11.43
CASING BOTTOM : 9.14

CASING TYPE : SURFACE
BOREHOLE FLUID :
RM TEMPERATURE :
MUD RES :
MUD WEIGHT :

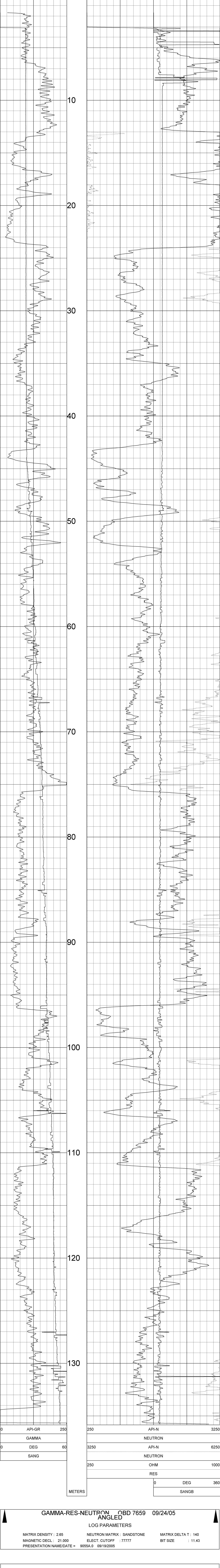
RECORDED BY : J. SINKWICH
REMARKS 1 : HOLE ANGLE 65 DEGREES BEARING 057 DEGREES
REMARKS 2 :

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS

GAMMA-RES-NEUTRON QBD 7659 09/24/05
ANGLED

LOG PARAMETERS

MATRIX DENSITY : 2.65 NEUTRON MATRIX : SANDSTONE MATRIX DELTA T : 140
MAGNETIC DECL : 21.000 ELECT. CUTOFF : 77777 BIT SIZE : 11.43
PRESENTATION NAME/DATE = 9055A.0 09/19/2005



GAMMA-RES-NEUTRON QBD 7659 09/24/05
ANGLED

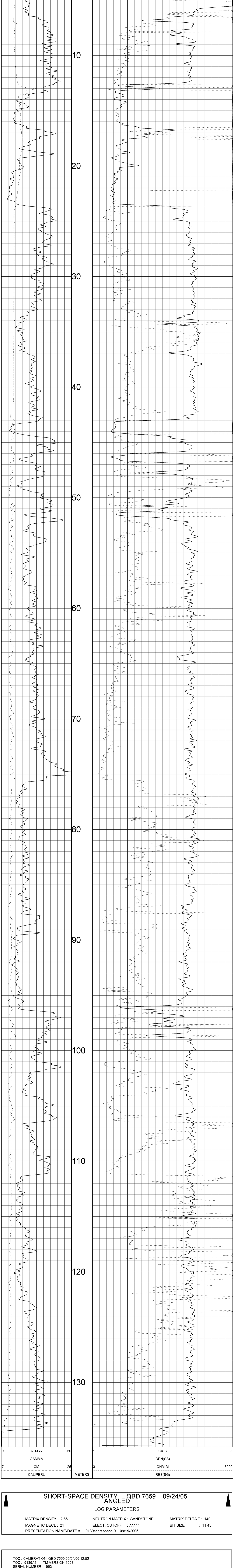
LOG PARAMETERS

MATRIX DENSITY : 2.65 NEUTRON MATRIX : SANDSTONE MATRIX DELTA T : 140
MAGNETIC DECL : 21.000 ELECT. CUTOFF : 77777 BIT SIZE : 11.43
PRESENTATION NAME/DATE = 9055A.0 09/19/2005

DATE	TIME	SENSOR	STANDARD	RESPONSE
1	Jul27.04 08:52:42	GAMMA	15.000 [API-GR]	1.00 [CPS]
2	Jul27.04 07:52:42	GAMMA	250.000 [API-GR]	240.00 [CPS]
3	May24.99 13:14:46	POROSI	185.000 [CPS]	
4	May24.99 13:14:46	RES	Default [CPS]	Default [CPS]
5	May24.99 13:14:46	RES	Default [CPS]	Default [CPS]
6	May24.99 13:14:46	SP	Default [CPS]	Default [CPS]
7	May24.99 13:14:46	SP	Default [CPS]	Default [CPS]
8	May21.04 19:23:23	NEUTROI	Default [CPS]	Default [CPS]
9	May21.04 19:23:23	NEUTRC	271.000 [API-N]	185.00 [CPS]
10	Feb20.02 17:17:55	TEMP	51.000 [DEG F]	1104.00 [CPS]
11	Feb20.02 17:17:55	TEMP	95.200 [DEG F]	450.00 [CPS]

SHORT-SPACE DENSITY QBD 7659 09/24/05
ANGLED
LOG PARAMETERS

MATRIX DENSITY : 2.65 NEUTRON MATRIX : SANDSTONE MATRIX DELTA T : 140
MAGNETIC DECL : 21 ELECT. CUTOFF : 77777 BIT SIZE : 11.43
PRESENTATION NAME/DATE = 9139short space.0 09/19/2005



SHORT-SPACE DENSITY QBD 7659 09/24/05
ANGLED
LOG PARAMETERS

MATRIX DENSITY : 2.65 NEUTRON MATRIX : SANDSTONE MATRIX DELTA T : 140
MAGNETIC DECL : 21 ELECT. CUTOFF : 77777 BIT SIZE : 11.43
PRESENTATION NAME/DATE = 9139short space.0 09/19/2005

TOOL CALIBRATION QBD 7659 09/24/05 12:52
TOOL 9139A1 TM VERSION 1003
SERIAL NUMBER 963

DATE	TIME	SENSOR	STANDARD	RESPONSE
1	Apr14,04 16:57:31	GAMMA	0.000 [API-GR]	6.00 [CPS]
1	Apr14,04 15:57:31	GAMMA	331.000 [API-GR]	488.00 [CPS]
1	Apr14,04 15:57:37	VOLTAGE	0.000 [MV]	5095.00 [CPS]
1	Apr14,04 15:57:37	VOLTAGE	1740.210 [MV]	142354.00 [CPS]
3	Apr14,04 17:20:00	CALIPER	7.850 [INCH]	90360.00 [CPS]
3	Apr14,04 17:20:00	CALIPER	3.850 [INCH]	90360.00 [CPS]
4	Sep21,05 01:32:59	DEN(LS)	1.106 [G/CC]	52980.00 [CPS]
4	Sep21,05 01:32:59	DEN(SS)	2.612 [G/CC]	9853.00 [CPS]
5	Sep21,05 01:33:16	DEN(LS)	1.106 [G/CC]	591.00 [CPS]
5	Sep21,05 01:33:16	DEN(SS)	2.612 [G/CC]	15460.00 [CPS]
6	Sep16,05 21:54:59	CALIPERL	7.620 [INCH]	4947.00 [CPS]
6	Sep16,05 21:54:59	CALIPERL	25.400 [INCH]	48027.00 [CPS]
7	Apr14,04 15:58:08	CURRENT	0.000 [UA]	79526.00 [CPS]
7	Apr14,04 15:58:08	CURRENT	249.000 [UA]	4640.00 [CPS]
8	Apr14,04 15:58:28	TEMP	170.000 [DEG F]	37608.00 [CPS]
8	Apr14,04 15:58:28	TEMP	68.000 [DEG F]	96500.00 [CPS]
				50541.00 [CPS]



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GAMMA - NEUTRON

QBR 7587

COMPANY : NORTHERN ENERGY MINING INC

WELL : QBR 7587

FIELD : ROMAN MTN

MUNICIPALITY : TUMBLER RIDGE

PROVINCE : BRITISH COLUMBIA

OTHER SERVICES:

9055

9139

LOCATION :

SECTION :

TOWNSHIP :

RANGE :

API NO. :

UNIQUE WELL ID. :

PERMANENT DATUM : GL

LOG MEASURED FROM : GL

DRL MEASURED FROM : GL

DATE : 07/13/05

RUN NO. : 1

DEPTH DRILLER : 36

BIT SIZE : 11.43

LOG TOP : 1.37

LOG BOTTOM : 36.44

CASING OD : 10.2

CASING BOTTOM : 3.04

CASING TYPE : HW

BOREHOLE FLUID :

RM TEMPERATURE :

MUD RES :

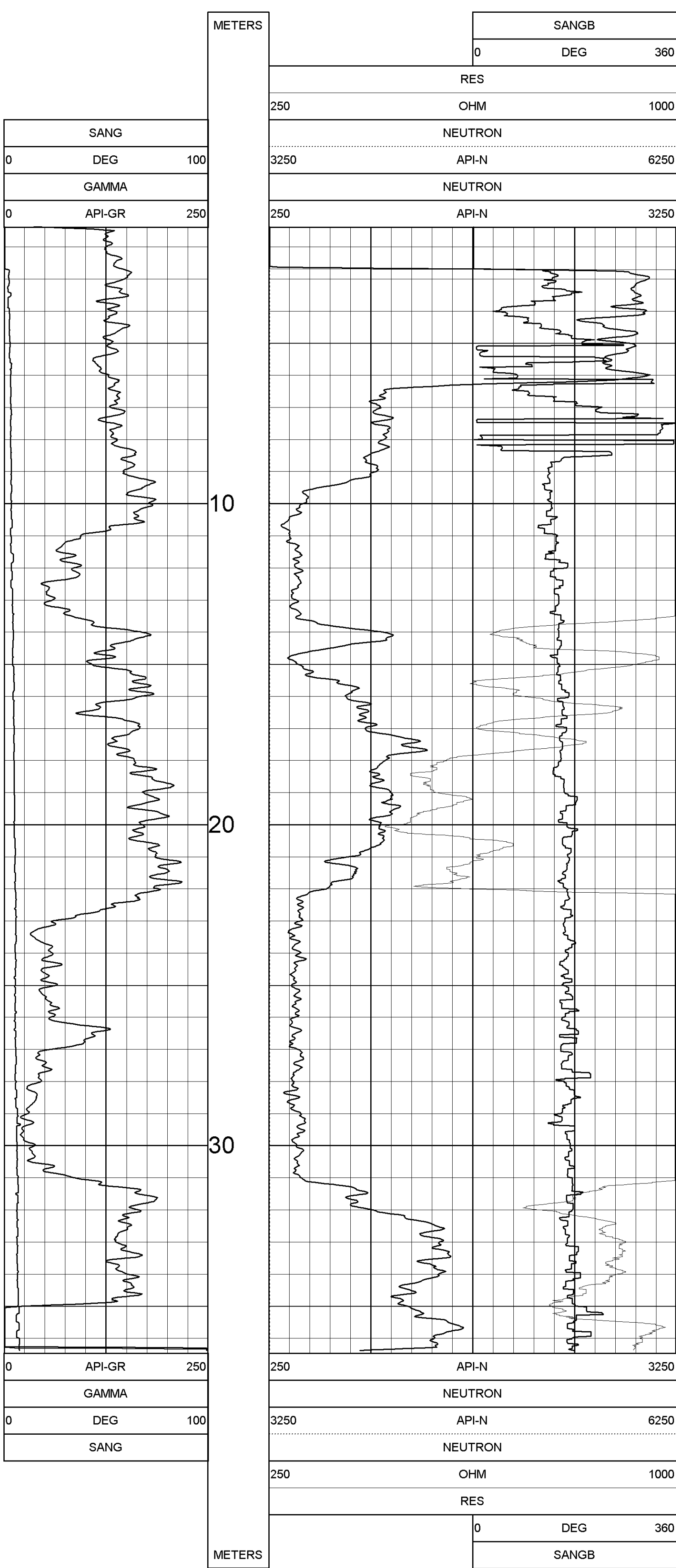
WITNESSED BY : RON

RECORDED BY : T. BOOS

REMARKS 1 :

REMARKS 2 :

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS



TOOL CALIBRATION QBR 7587 07/13/05 14:51
 TOOL 9055A
 SERIAL NUMBER 80

	DATE	TIME	SENSOR	STANDARD	RESPONSE
1	Jul27,04	07:52:42	GAMMA	15.000 [API-GR]	1.00 [CPS]
	Jul27,04	07:52:42	GAMMA	250.000 [API-GR]	240.00 [CPS]
2	May24,99	13:14:46	POROSI	185.000 [CPS]	
3	May24,99	13:14:46	RES	Default [CPS]	Default [CPS]
4	May24,99	13:14:46	SP	Default [CPS]	Default [CPS]
5	May24,99	13:14:46	SP	Default [CPS]	Default [CPS]
5	May21,04	19:23:23	NEUTROI	Default [CPS]	Default [CPS]
	May21,04	19:23:23	NEUTRC	271.000 [API-N]	185.00 [CPS]
6	Feb20,02	17:17:55	TEMP	51.000 [DEG F]	1104.00 [CPS]
	Feb20,02	17:17:55	TEMP	95.200 [DEG F]	450.00 [CPS]



**GAMMA - CALIPER - RESISTIVITY
COMPENSATED DENSITY**

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QBR 7587

COMPANY : NORTHERN ENERGY MINING INC

OTHER SERVICES:

WELL : QBR 7587

FIELD : ROMAN MTN

MUNICIPALITY : TUMBLER RIDGE

PROVINCE : BRITISH COLUMBIA

LOCATION :

SECTION :

TOWNSHIP :

RANGE :

API NO. :

UNIQUE WELL ID. :

PERMANENT DATUM : GL

LOG MEASURED FROM : GL

DRL MEASURED FROM : GL

DATE : 07/13/05

RUN NO. : 2

DEPTH DRILLER : 36

BIT SIZE : 11.43

LOG TOP : 0.38

LOG BOTTOM : 36.44

CASING OD : 10.2

CASING BOTTOM : 3.04

CASING TYPE : HW

BOREHOLE FLUID :

RM TEMPERATURE :

MUD RES :

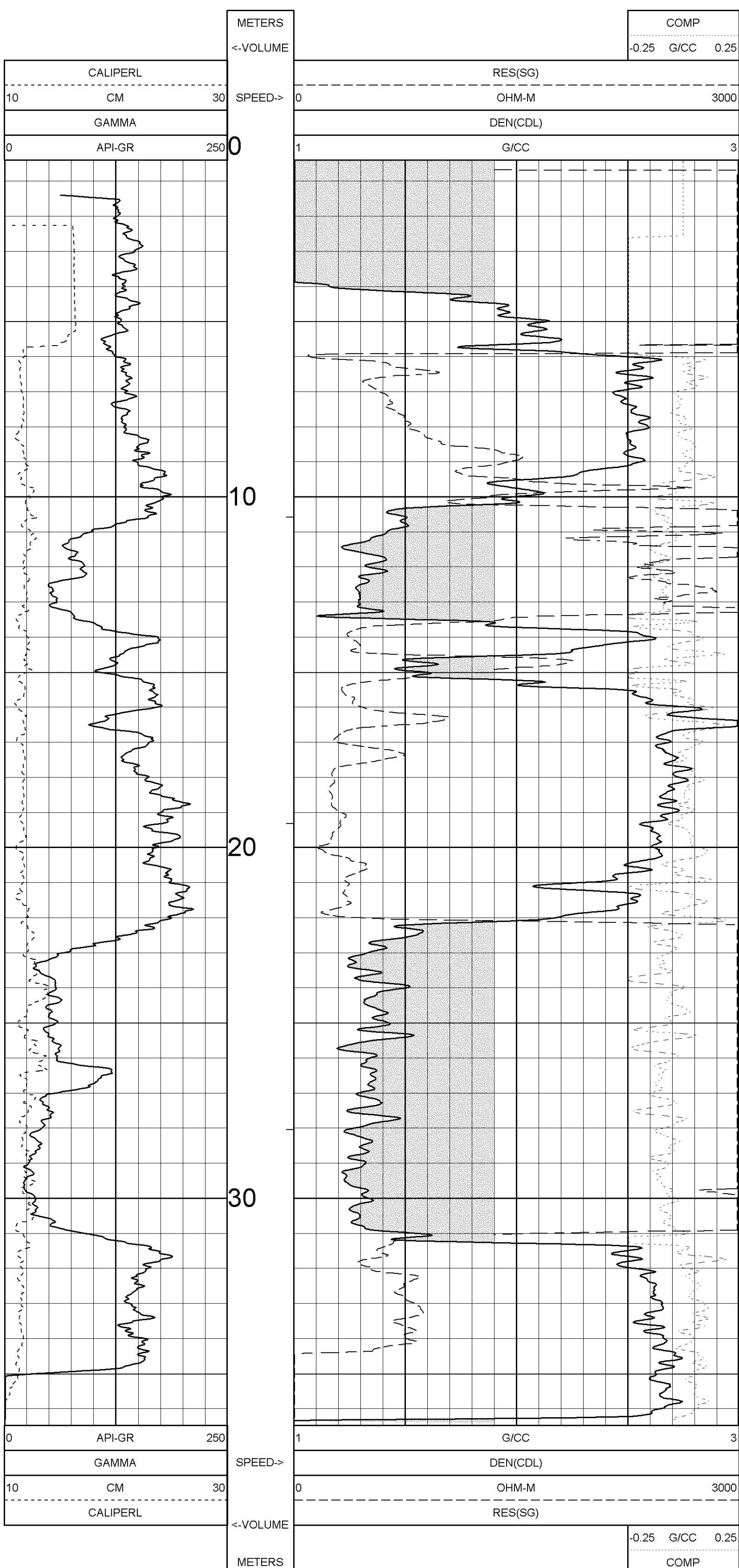
WITNESSED BY : RON

RECORDED BY : T. BOOS

REMARKS 1 :

REMARKS 2 :

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS



TOOL CALIBRATION QBR 7587 07/13/05 15:07
 TOOL 9139A1
 SERIAL NUMBER 963

DATE	TIME	SENSOR	STANDARD	RESPONSE
1	Apr14,04 16:57:31	GAMMA	0.000 [API-GR]	6.00 [CPS]
	Apr14,04 15:57:31	GAMMA	331.000 [API-GR]	488.00 [CPS]
2	Apr14,04 15:57:37	VOLTAGE	0.000 [MV]	5095.00 [CPS]
	Apr14,04 15:57:37	VOLTAGE	1740.210 [MV]	142354.00 [CPS]
3	Apr14,04 17:20:00	CALIPER	7.850 [INCH]	90360.00 [CPS]
	Apr14,04 17:20:00	CALIPER	3.850 [INCH]	52980.00 [CPS]
4	Nov29,04 21:17:27	DEN(LS)	1.106 [G/CC]	9557.00 [CPS]
	Nov29,04 21:17:27	DEN(LS)	2.612 [G/CC]	573.00 [CPS]
5	Nov29,04 21:18:07	DEN(SS)	1.106 [G/CC]	16034.00 [CPS]
	Nov29,04 21:18:07	DEN(SS)	2.612 [G/CC]	5131.00 [CPS]
6	May08,05 11:26:04	CALIPERL	7.620 [INCH]	47938.00 [CPS]
	May08,05 11:26:04	CALIPERL	25.400 [INCH]	79160.00 [CPS]
7	Apr14,04 15:58:08	CURRENT	0.000 [UA]	4640.00 [CPS]
	Apr14,04 15:58:08	CURRENT	249.000 [UA]	37608.00 [CPS]
8	Apr14,04 15:58:28	TEMP	170.000 [DEG F]	95500.00 [CPS]
	Apr14,04 15:58:28	TEMP	68.000 [DEG F]	50541.00 [CPS]



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**GAMMA - CALIPER - RESISTIVITY
DENSITY - LONG SPACE**

QBR 7587

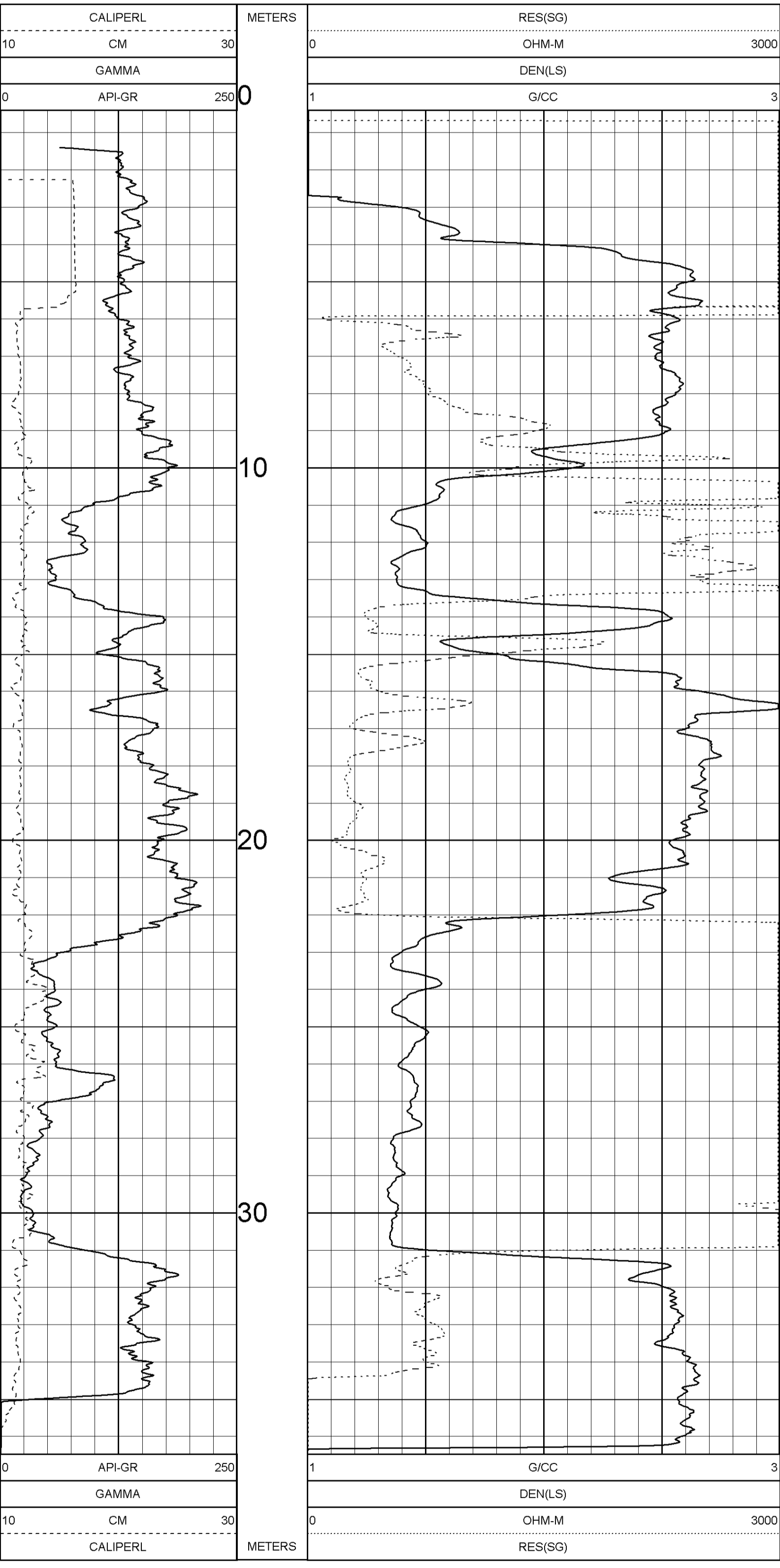
COMPANY: NORTHERN ENERGY MINING INC
 WELL: QBR 7587
 FIELD: ROMAN MTN
 MUNICIPALITY: TUMBLER RIDGE
 PROVINCE: BRITISH COLUMBIA

OTHER SERVICES:
 9055
 9139

LOCATION: :
 SECTION: :
 TOWNSHIP: :
 RANGE: :
 API NO.: :
 UNIQUE WELL ID.: :
 PERMANENT DATUM: GL
 LOG MEASURED FROM: GL
 DRL MEASURED FROM: GL

ELEVATION KB: :
 ELEVATION DF: :
 ELEVATION GL: :

DATE: 07/13/05
 RUN NO.: 2
 DEPTH DRILLER: 36
 BIT SIZE: 11.43
 LOG TOP: 0.38
 LOG BOTTOM: 36.44
 CASING OD: 10.2
 CASING BOTTOM: 3.04
 CASING TYPE: HW
 BOREHOLE FLUID: :
 RM TEMPERATURE: :
 MUD RES: :
 WITNESSED BY: RON
 RECORDED BY: T. BOOS
 REMARKS 1: :
 REMARKS 2: :



TOOL CALIBRATION QBR 7587 07/13/05 15:07
 TOOL 9139A1
 SERIAL NUMBER 963

DATE	TIME	SENSOR	STANDARD	RESPONSE
1	Apr14,04 15:57:31	GAMMA	0.000 [API-GR]	6.00 [CPS]
	Apr14,04 15:57:31	GAMMA	331.000 [API-GR]	488.00 [CPS]
2	Apr14,04 15:57:37	VOLTAGE	0.000 [MV]	5095.00 [CPS]
	Apr14,04 15:57:37	VOLTAGE	1740.210 [MV]	142354.00 [CPS]
3	Apr14,04 17:20:00	CALIPER	7.850 [INCH]	90360.00 [CPS]
	Apr14,04 17:20:00	CALIPER	3.850 [INCH]	52980.00 [CPS]
4	Nov29,04 21:17:27	DEN(LS)	1.106 [G/CC]	9557.00 [CPS]
	Nov29,04 21:17:27	DEN(LS)	2.612 [G/CC]	573.00 [CPS]
5	Nov29,04 21:18:07	DEN(SS)	1.106 [G/CC]	16034.00 [CPS]
	Nov29,04 21:18:07	DEN(SS)	2.612 [G/CC]	5131.00 [CPS]
6	May08,05 11:26:04	CALIPERL	7.620 [INCH]	47938.00 [CPS]
	May08,05 11:26:04	CALIPERL	25.400 [INCH]	79160.00 [CPS]
7	Apr14,04 15:58:08	CURRENT	0.000 [UA]	4640.00 [CPS]
	Apr14,04 15:58:08	CURRENT	249.000 [UA]	37608.00 [CPS]
8	Apr14,04 15:58:28	TEMP	170.000 [DEG F]	95500.00 [CPS]
	Apr14,04 15:58:28	TEMP	68.000 [DEG F]	50541.00 [CPS]

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS



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GAMMA - NEUTRON

QBR 7587

COMPANY : NORTHERN ENERGY MINING INC

WELL : QBR 7587

FIELD : ROMAN MTN

MUNICIPALITY : TUMBLER RIDGE

PROVINCE : BRITISH COLUMBIA

OTHER SERVICES:
9055
9139

LOCATION :

SECTION :

TOWNSHIP :

RANGE :

API NO. :

UNIQUE WELL ID. :

PERMANENT DATUM : GL

LOG MEASURED FROM : GL

DRL MEASURED FROM : GL

DATE : 07/13/05

RUN NO. : 1

DEPTH DRILLER : 36

BIT SIZE : 11.43

LOG TOP : 1.37

LOG BOTTOM : 36.44

CASING OD : 10.2

CASING BOTTOM : 3.04

CASING TYPE : HW

BOREHOLE FLUID :

RM TEMPERATURE :

MUD RES :

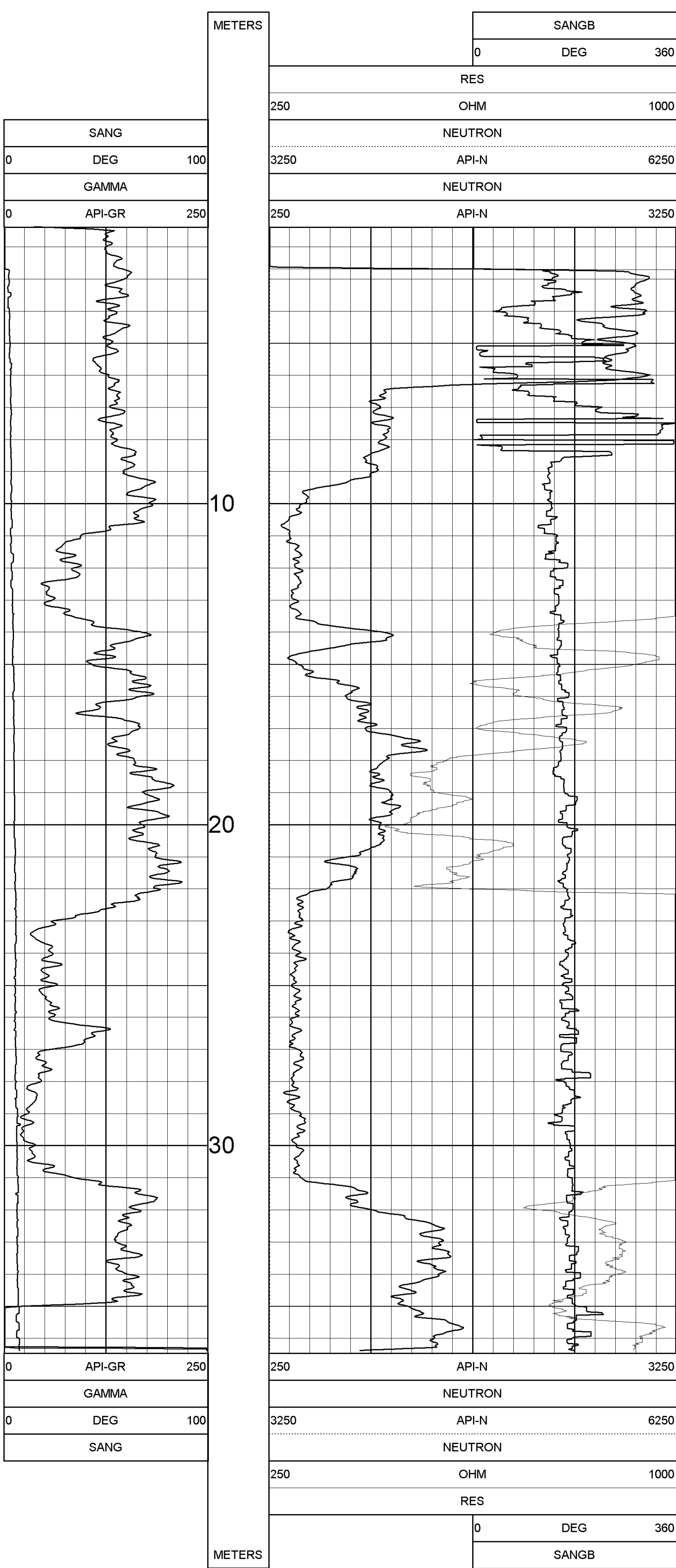
WITNESSED BY : RON

RECORDED BY : T. BOOS

REMARKS 1 :

REMARKS 2 :

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS



TOOL CALIBRATION QBR 7587 07/13/05 14:51
 TOOL 9055A
 SERIAL NUMBER 80

	DATE	TIME	SENSOR	STANDARD	RESPONSE
1	Jul27,04	07:52:42	GAMMA	15.000 [API-GR]	1.00 [CPS]
	Jul27,04	07:52:42	GAMMA	250.000 [API-GR]	240.00 [CPS]
2	May24,99	13:14:46	POROSI	185.000 [CPS]	
3	May24,99	13:14:46	RES	Default [CPS]	Default [CPS]
4	May24,99	13:14:46	SP	Default [CPS]	Default [CPS]
5	May21,04	19:23:23	NEUTROI	Default [CPS]	Default [CPS]
	May21,04	19:23:23	NEUTRC	271.000 [API-N]	185.00 [CPS]
6	Feb20,02	17:17:55	TEMP	51.000 [DEG F]	1104.00 [CPS]
	Feb20,02	17:17:55	TEMP	95.200 [DEG F]	450.00 [CPS]



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**GAMMA - CALIPER - RESISTIVITY
DENSITY - SHORT SPACE**

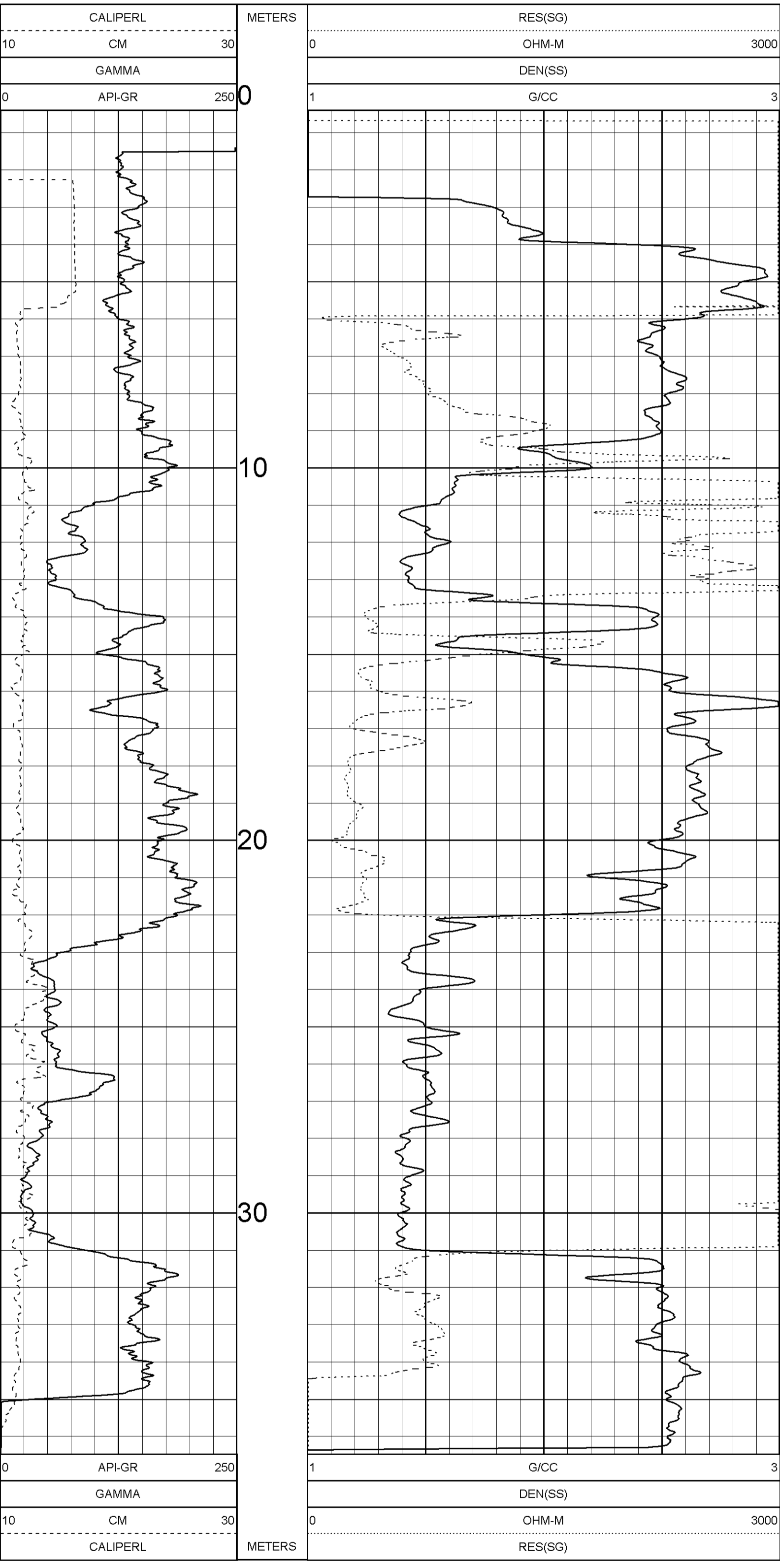
QBR 7587

COMPANY: NORTHERN ENERGY MINING INC
 WELL: QBR 7587
 FIELD: ROMAN MTN
 MUNICIPALITY: TUMBLER RIDGE
 PROVINCE: BRITISH COLUMBIA

OTHER SERVICES:
 9055
 9139

LOCATION: :
 SECTION: :
 TOWNSHIP: :
 RANGE: :
 API NO.: :
 UNIQUE WELL ID.: :
 PERMANENT DATUM: GL ELEVATION KB: :
 LOG MEASURED FROM: GL ELEVATION DF: :
 DRL MEASURED FROM: GL ELEVATION GL: :

DATE: 07/13/05
 RUN NO.: 2
 DEPTH DRILLER: 36
 BIT SIZE: 11.43
 LOG TOP: 0.38
 LOG BOTTOM: 36.44
 CASING OD: 10.2
 CASING BOTTOM: 3.04
 CASING TYPE: HW
 BOREHOLE FLUID: :
 RM TEMPERATURE: :
 MUD RES: :
 WITNESSED BY: RON
 RECORDED BY: T. BOOS
 REMARKS 1: :
 REMARKS 2: :



TOOL CALIBRATION QBR 7587 07/13/05 15:07
 TOOL 9139A1
 SERIAL NUMBER 963

DATE	TIME	SENSOR	STANDARD	RESPONSE
1	Apr14,04 15:57:31	GAMMA	0.000 [API-GR]	6.00 [CPS]
	Apr14,04 15:57:31	GAMMA	331.000 [API-GR]	488.00 [CPS]
2	Apr14,04 15:57:37	VOLTAGE	0.000 [MV]	5095.00 [CPS]
	Apr14,04 15:57:37	VOLTAGE	1740.210 [MV]	142354.00 [CPS]
3	Apr14,04 17:20:00	CALIPER	7.850 [INCH]	90360.00 [CPS]
	Apr14,04 17:20:00	CALIPER	3.850 [INCH]	52980.00 [CPS]
4	Nov29,04 21:17:27	DEN(LS)	1.106 [G/CC]	9557.00 [CPS]
	Nov29,04 21:17:27	DEN(LS)	2.612 [G/CC]	573.00 [CPS]
5	Nov29,04 21:18:07	DEN(SS)	1.106 [G/CC]	16034.00 [CPS]
	Nov29,04 21:18:07	DEN(SS)	2.612 [G/CC]	5131.00 [CPS]
6	May08,05 11:26:04	CALIPERL	7.620 [INCH]	47938.00 [CPS]
	May08,05 11:26:04	CALIPERL	25.400 [INCH]	79160.00 [CPS]
7	Apr14,04 15:58:08	CURRENT	0.000 [UA]	4640.00 [CPS]
	Apr14,04 15:58:08	CURRENT	249.000 [UA]	37608.00 [CPS]
8	Apr14,04 15:58:28	TEMP	170.000 [DEG F]	95500.00 [CPS]
	Apr14,04 15:58:28	TEMP	68.000 [DEG F]	50541.00 [CPS]

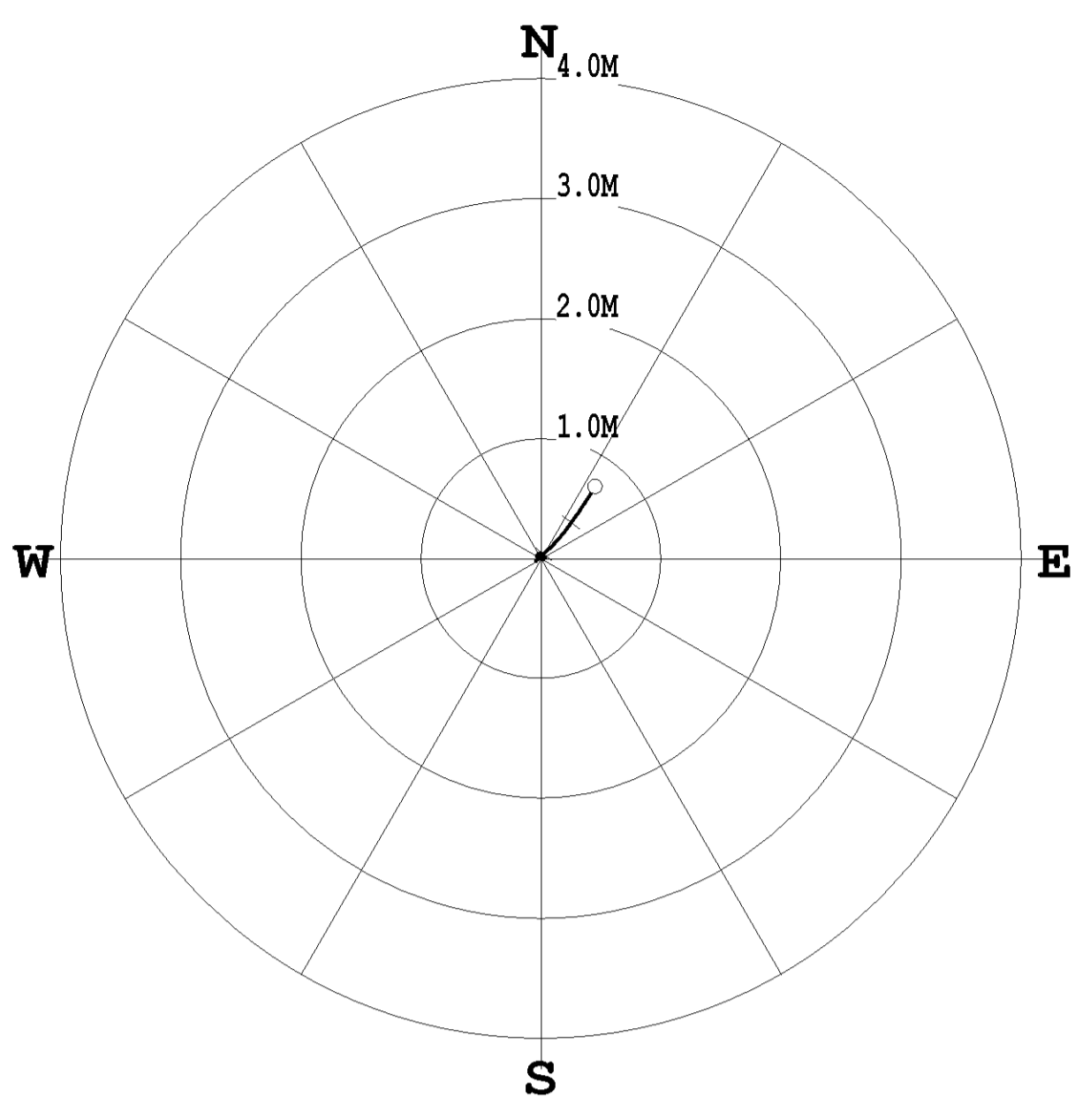
ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS

PLAN VIEW COMPU-LOG DEVIATION

CLIENT: NORTHERN ENERGY MINING INC
LOCATION: ROMAN MTN
HOLE ID: QBR 7588
DATE OF LOG: 07/13/05
PROBE: 9055A 80

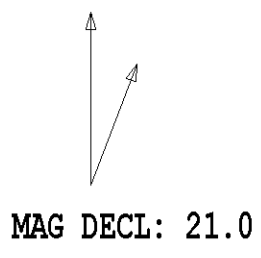


SCALE: 1 M/CM
TRUE DEPTH: 29.61 M
AZIMUTH: 36.9
DISTANCE: 0.8 M
+ = 10 M INCR
○ = BOTTOM OF HOLE

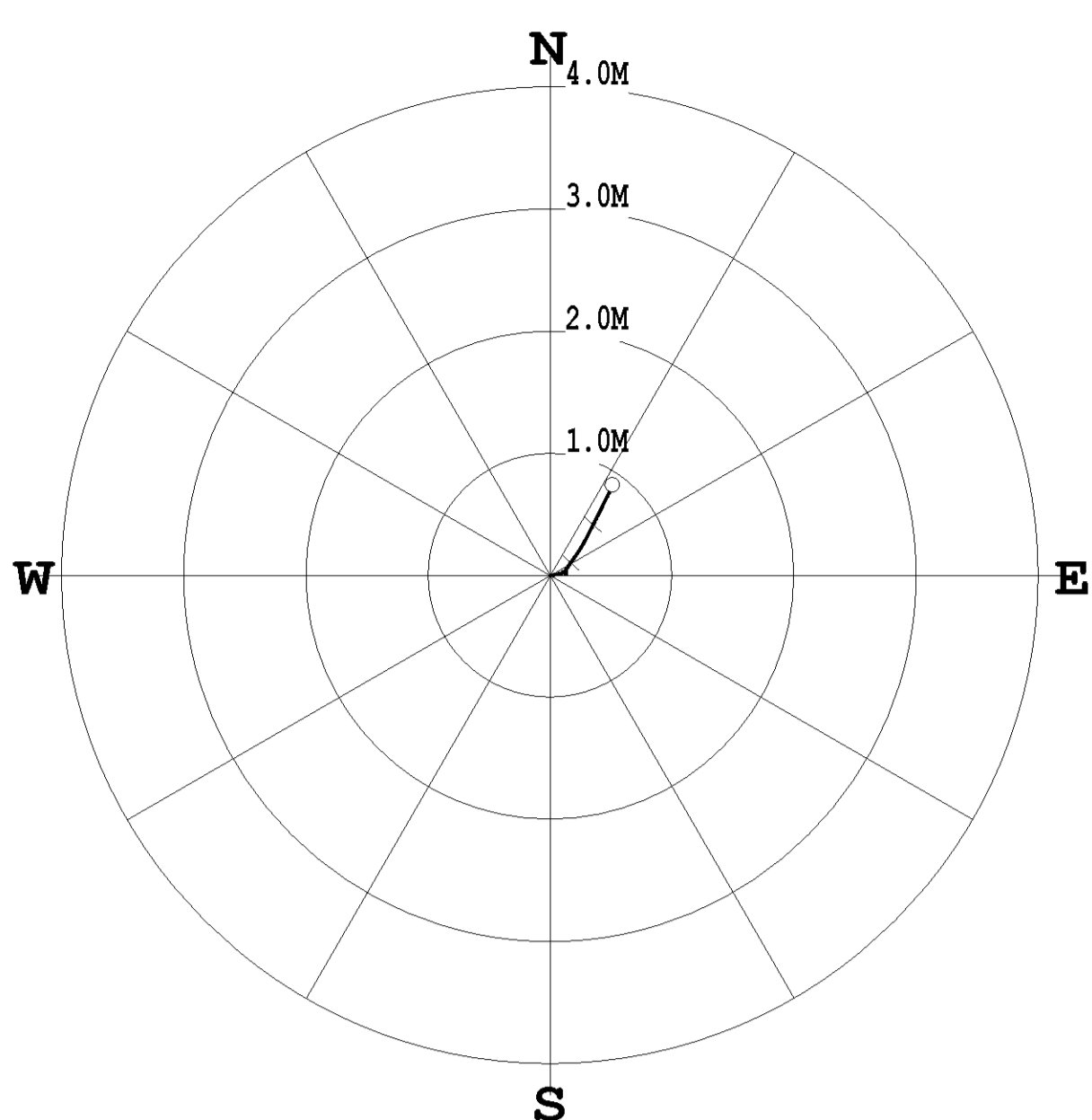


PLAN VIEW COMPU-LOG DEVIATION

CLIENT: NORTHERN ENERGY MINING INC
LOCATION: ROMAN MTN
HOLE ID: QBR 7588
DATE OF LOG: 07/13/05
PROBE: 9410A 377



SCALE: 1 M/CM
TRUE DEPTH: 29.08 M
AZIMUTH: 34.5
DISTANCE: 0.9 M
+ = 10 M INCR
○ = BOTTOM OF HOLE





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**GAMMA - CALIPER - RESISTIVITY
COMPENSATED DENSITY**

QBR 7588

COMPANY : NORTHERN ENERGY MINING INC
 WELL : QBR 7588
 FIELD : ROMAN MTN
 MUNICIPALITY : TUMBLER RIDGE
 PROVINCE : BRITISH COLUMBIA

OTHER SERVICES:
 9055
 9139
 9410

LOCATION :
 SECTION :
 TOWNSHIP :
 RANGE :
 API NO. :
 UNIQUE WELL ID. :

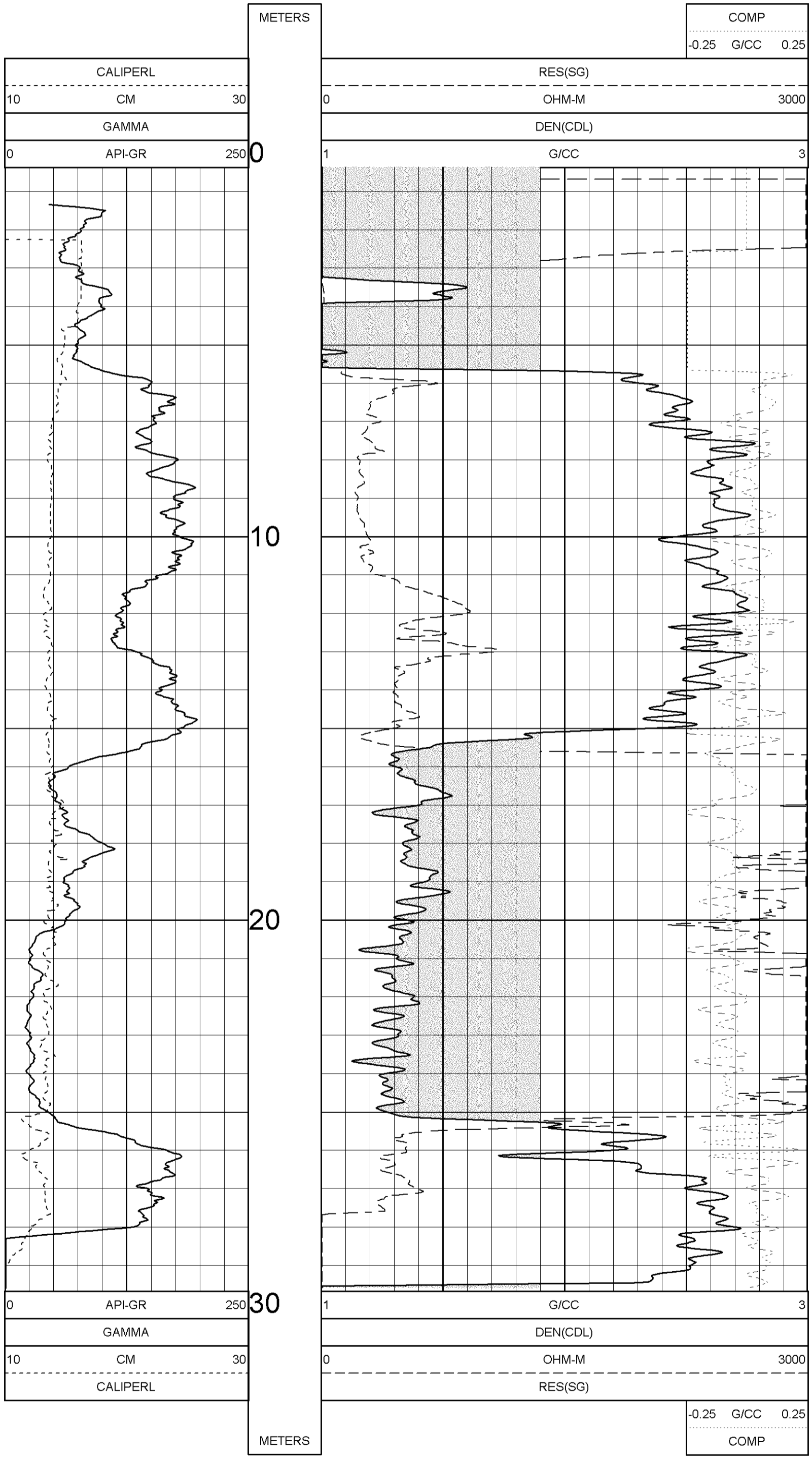
PERMANENT DATUM : GL
 LOG MEASURED FROM : GL
 DRL MEASURED FROM : GL

ELEVATION KB :
 ELEVATION DF :
 ELEVATION GL :

DATE : 07/13/05

RUN NO. : 2
 DEPTH DRILLER : 29
 BIT SIZE : 11.43
 LOG TOP : 0.36
 LOG BOTTOM : 29.61
 CASING OD : 10.2
 CASING BOTTOM : 3.04
 CASING TYPE : HW
 BOREHOLE FLUID :
 RM TEMPERATURE :
 MUD RES :
 WITNESSED BY : RON
 RECORDED BY : T. BOOS
 REMARKS 1 :
 REMARKS 2 :

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS



TOOL CALIBRATION QBR 7588 07/13/05 15:28
 TOOL 9139A1
 SERIAL NUMBER 963

	DATE	TIME	SENSOR	STANDARD	RESPONSE
1	Apr14,04	16:57:31	GAMMA	0.000 [API-GR]	6.00 [CPS]
	Apr14,04	15:57:31	GAMMA	331.000 [API-GR]	488.00 [CPS]
2	Apr14,04	15:57:37	VOLTAGE	0.000 [MV]	5095.00 [CPS]
	Apr14,04	15:57:37	VOLTAGE	1740.210 [MV]	142354.00 [CPS]
3	Apr14,04	17:20:00	CALIPER	7.850 [INCH]	90360.00 [CPS]
	Apr14,04	17:20:00	CALIPER	3.850 [INCH]	52980.00 [CPS]
4	Nov29,04	21:17:27	DEN(LS)	1.106 [G/CC]	9557.00 [CPS]
	Nov29,04	21:17:27	DEN(LS)	2.612 [G/CC]	573.00 [CPS]
5	Nov29,04	21:18:07	DEN(SS)	1.106 [G/CC]	16034.00 [CPS]
	Nov29,04	21:18:07	DEN(SS)	2.612 [G/CC]	5131.00 [CPS]
6	May08,05	11:26:04	CALIPERL	7.620 [INCH]	47938.00 [CPS]
	May08,05	11:26:04	CALIPERL	25.400 [INCH]	79160.00 [CPS]
7	Apr14,04	15:58:08	CURRENT	0.000 [UA]	4640.00 [CPS]
	Apr14,04	15:58:08	CURRENT	249.000 [UA]	37608.00 [CPS]
8	Apr14,04	15:58:28	TEMP	170.000 [DEG F]	95500.00 [CPS]
	Apr14,04	15:58:28	TEMP	68.000 [DEG F]	50541.00 [CPS]



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QBR 7588

DIPMETER

COMPANY : NORTHERN ENERGY MINING INC

WELL : QBR 7588

FIELD : ROMAN MTN

MUNICIPALITY : TUMBLER RIDGE

PROVINCE : BRITISH COLUMBIA

OTHER SERVICES:

9055

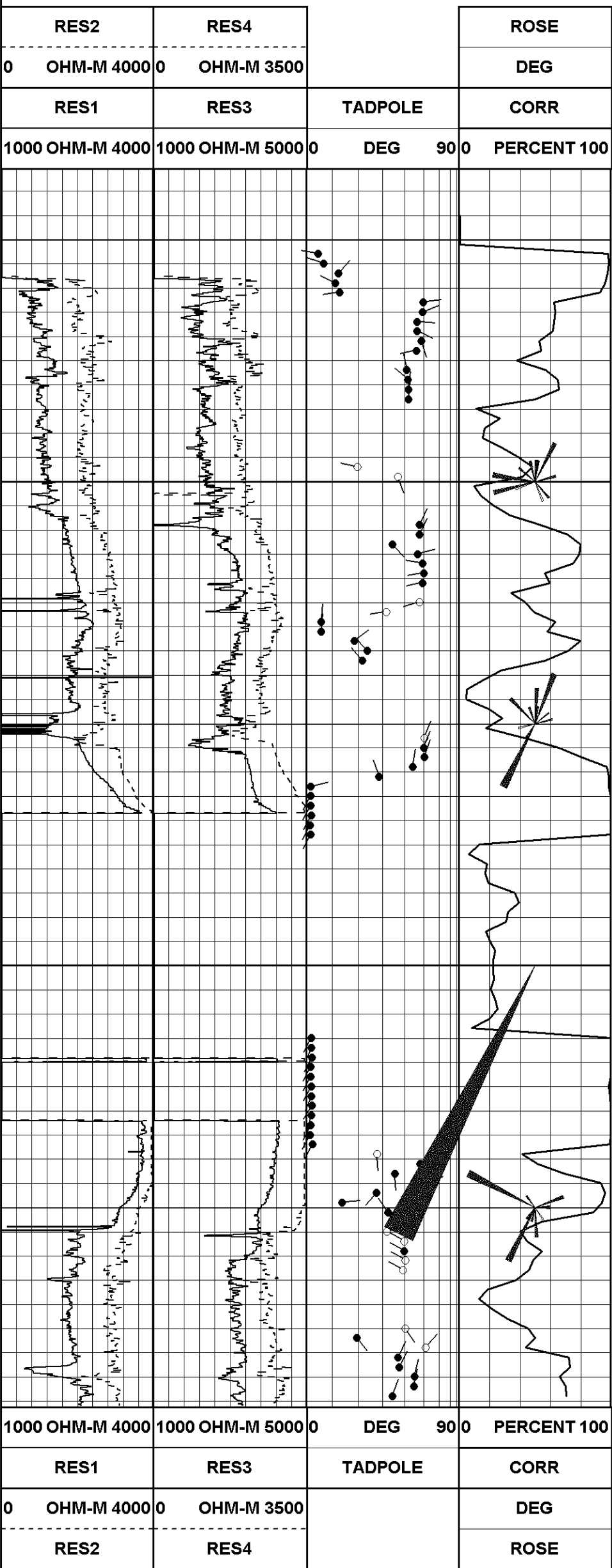
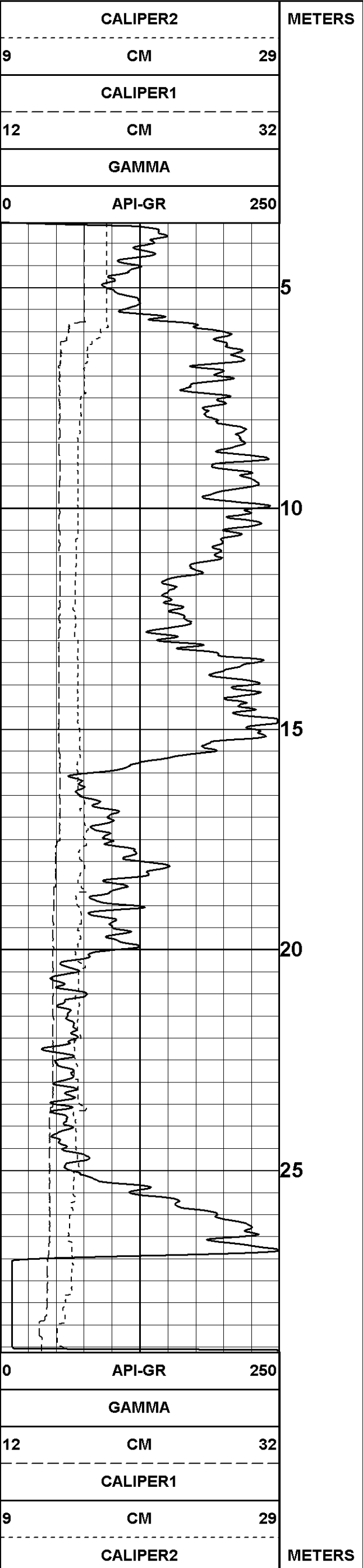
9139

9410

LOCATION :
SECTION :
TOWNSHIP :
RANGE :
API NO. :
UNIQUE WELL ID. :

PERMANENT DATUM : GL
LOG MEASURED FROM : GL
DRL MEASURED FROM : GL
DATE : 07/13/05

ELEVATION KB :
ELEVATION DF :
ELEVATION GL :
RUN NO. : 3
DEPTH DRILLER : 29
BIT SIZE : 1.143
LOG TOP : 3.52
LOG BOTTOM : 29.10
CASING OD : 10.2
CASING BOTTOM : 3.04
CASING TYPE : HW
BOREHOLE FLUID :
RM TEMPERATURE :
MUD RES :
WITNESSED BY : RON
RECORDED BY : T. BOOS
REMARKS 1 :
REMARKS 2 :



TOOL CALIBRATION QBR 7588 07/13/05 16:09
TOOL 9410A
SERIAL NUMBER 377

	DATE	TIME	SENSOR	STANDARD	RESPONSE
1	Dec19,03	16:08:45	GAMMA	20.000 [API-GR]	5.00 [CPS]
	Dec19,03	16:08:45	GAMMA	275.000 [API-GR]	140.00 [CPS]
2	Mar16,04	16:33:35	VOLTAGE	Default [CPS]	Default [CPS]
	Mar16,04	16:33:35	VOLTAGE	341.000 [MV]	1830.00 [CPS]
3	Mar16,04	16:33:49	CUR1	Default [CPS]	Default [CPS]
	Mar16,04	16:33:49	CUR1	2135.000 [UA]	18740.00 [CPS]
4	Mar16,04	16:34:03	CUR2	Default [CPS]	Default [CPS]
	Mar16,04	16:34:03	CUR2	2135.000 [UA]	19170.00 [CPS]
5	Mar16,04	16:34:18	CUR3	Default [CPS]	Default [CPS]
	Mar16,04	16:34:18	CUR3	2135.000 [UA]	17360.00 [CPS]
6	Mar16,04	16:34:31	CUR4	Default [CPS]	Default [CPS]
	Mar16,04	16:34:31	CUR4	2135.000 [UA]	13950.00 [CPS]
7	Mar16,04	17:09:48	CALIPER	15.240 [INCH]	10944.00 [CPS]
	Mar16,04	17:09:48	CALIPER	20.320 [INCH]	13890.00 [CPS]

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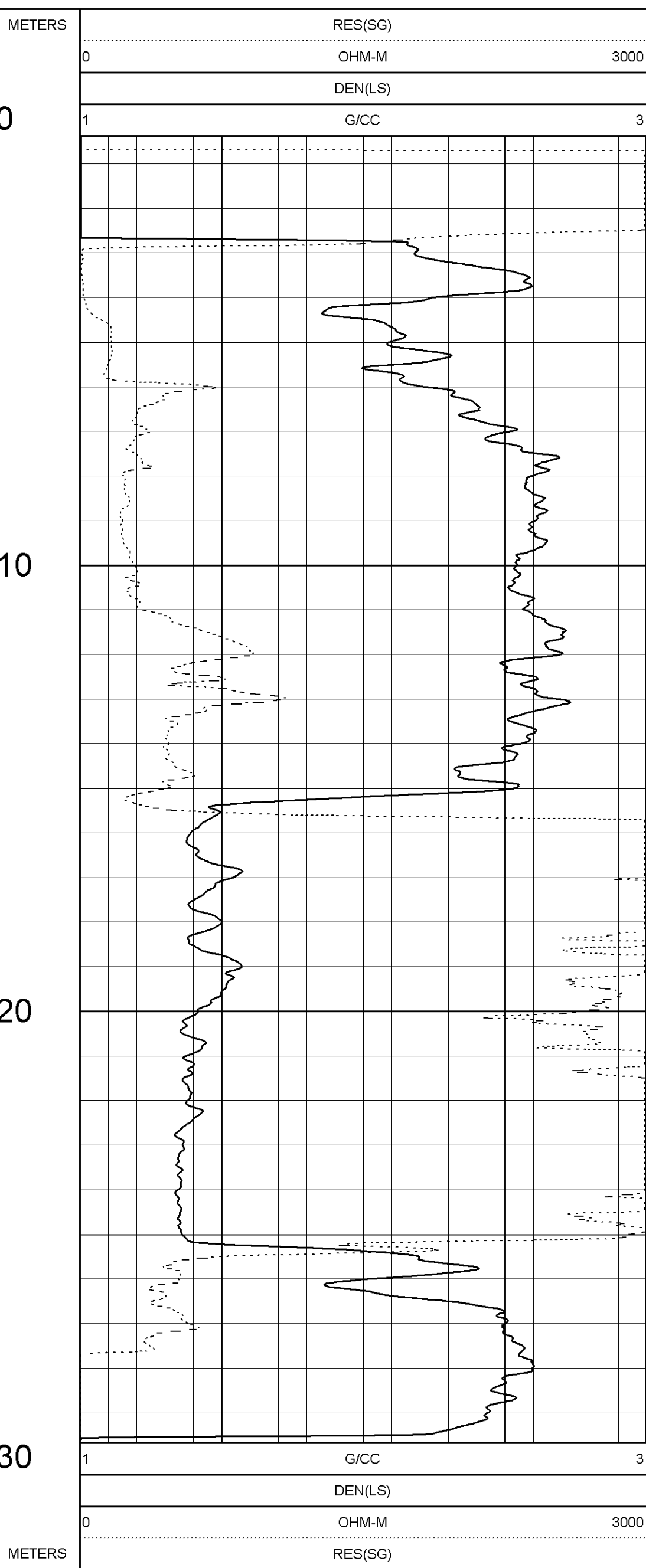
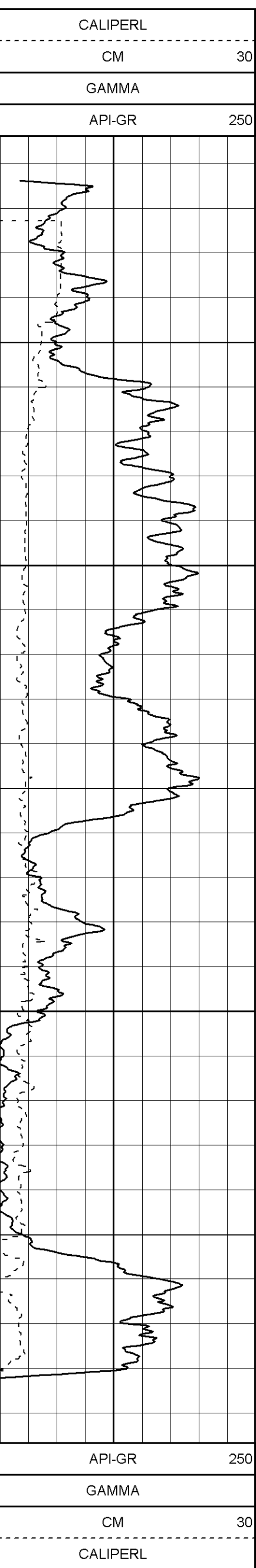
**GAMMA - CALIPER - RESISTIVITY
DENSITY - LONG SPACE**

QBR 7588

COMPANY	NORTHERN ENERGY MINING INC	OTHER SERVICES:	
WELL	QBR 7588	9055	
FIELD	ROMAN MTN	9139	
MUNICIPALITY	TUMBLER RIDGE	9410	
PROVINCE	BRITISH COLUMBIA		

LOCATION	:	
SECTION	:	
TOWNSHIP	:	
RANGE	:	
API NO.	:	
UNIQUE WELL ID.	:	
PERMANENT DATUM	:GL	ELEVATION KB :
LOG MEASURED FROM	:GL	ELEVATION DF :
DRL MEASURED FROM	:GL	ELEVATION GL :

DATE	:07/13/05
RUN NO.	:2
DEPTH DRILLER	:29
BIT SIZE	:1.43
LOG TOP	:0.36
LOG BOTTOM	:29.63
CASING OD	:10.2
CASING BOTTOM	:3.04
CASING TYPE	:HW
BOREHOLE FLUID	:
RM TEMPERATURE	:
MUD RES	:
WITNESSED BY	:RON
RECORDED BY	:T. BOOS
REMARKS 1	:
REMARKS 2	:



TOOL CALIBRATION QBR 7588 07/13/05 15:28
TOOL 9139A1
SERIAL NUMBER 963

	DATE	TIME	SENSOR	STANDARD	RESPONSE
1	Apr14,04	15:57:31	GAMMA	0.000 [API-GR]	6.00 [CPS]
	Apr14,04	15:57:31	GAMMA	331.000 [API-GR]	488.00 [CPS]
2	Apr14,04	15:57:37	VOLTAGE	0.000 [MV]	5095.00 [CPS]
	Apr14,04	15:57:37	VOLTAGE	1740.210 [MV]	142354.00 [CPS]
3	Apr14,04	17:20:00	CALIPER	7.850 [INCH]	90360.00 [CPS]
	Apr14,04	17:20:00	CALIPER	3.850 [INCH]	52980.00 [CPS]
4	Nov29,04	21:17:27	DEN(LS)	1.106 [G/CC]	9557.00 [CPS]
	Nov29,04	21:17:27	DEN(LS)	2.612 [G/CC]	573.00 [CPS]
5	Nov29,04	21:18:07	DEN(SS)	1.106 [G/CC]	16034.00 [CPS]
	Nov29,04	21:18:07	DEN(SS)	2.612 [G/CC]	5131.00 [CPS]
6	May08,05	11:26:04	CALIPERL	7.620 [INCH]	47938.00 [CPS]
	May08,05	11:26:04	CALIPERL	25.400 [INCH]	79160.00 [CPS]
7	Apr14,04	15:58:08	CURRENT	0.000 [UA]	47938.00 [CPS]
	Apr14,04	15:58:08	CURRENT	249.000 [UA]	37608.00 [CPS]
8	Apr14,04	15:58:28	TEMP	170.000 [DEG F]	95500.00 [CPS]
	Apr14,04	15:58:28	TEMP	68.000 [DEG F]	50541.00 [CPS]

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS



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GAMMA - NEUTRON

QBR 7588

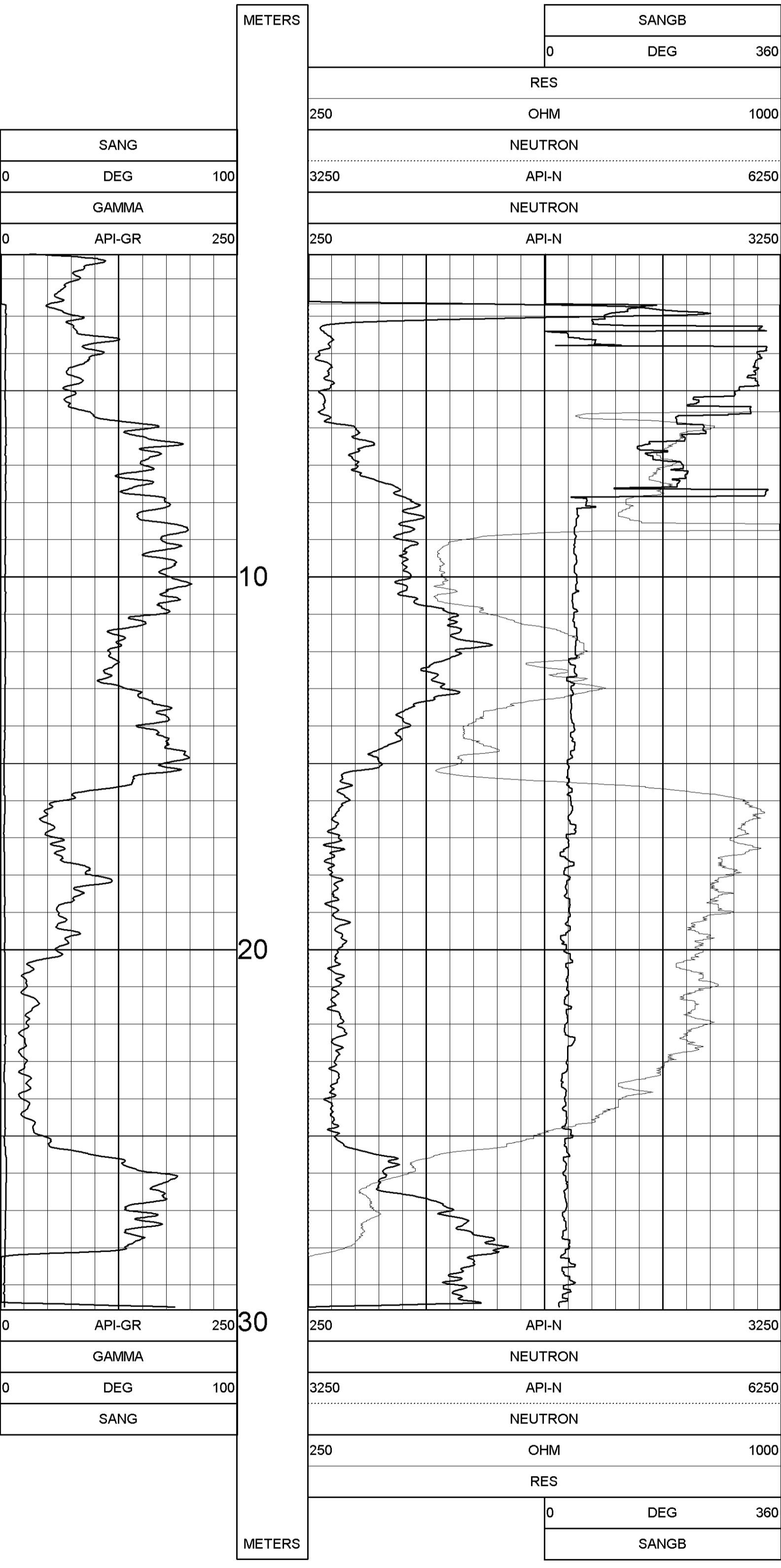
COMPANY: NORTHERN ENERGY MINING INC
 WELL: QBR 7588
 FIELD: ROMAN MTN
 MUNICIPALITY: TUMBLER RIDGE
 PROVINCE: BRITISH COLUMBIA

OTHER SERVICES:
 9055
 9139
 9410

LOCATION :
 SECTION :
 TOWNSHIP :
 RANGE :
 API NO. :
 UNIQUE WELL ID. :

PERMANENT DATUM : GL
 LOG MEASURED FROM : GL
 DRL MEASURED FROM : GL
 ELEVATION KB :
 ELEVATION DF :
 ELEVATION GL :

DATE: 07/13/05
 RUN NO.: 1
 DEPTH DRILLER: 29
 BIT SIZE: 11.43
 LOG TOP: 1.33
 LOG BOTTOM: 29.63
 CASING OD: 10.2
 CASING BOTTOM: 3.04
 CASING TYPE: HW
 BOREHOLE FLUID :
 RM TEMPERATURE :
 MUD RES :
 WITNESSED BY: RON
 RECORDED BY: T. BOOS
 REMARKS 1 :
 REMARKS 2 :



TOOL CALIBRATION QBR 7588 07/13/05 15:41
 TOOL 9055A
 SERIAL NUMBER 80

DATE	TIME	SENSOR	STANDARD	RESPONSE
1	Jul27,04 07:52:42	GAMMA	15.000 [API-GR]	1.00 [CPS]
	Jul27,04 07:52:42	GAMMA	250.000 [API-GR]	240.00 [CPS]
2	May24,99 13:14:46	POROSI	185.000 [CPS]	
3	May24,99 13:14:46	RES	Default [CPS]	Default [CPS]
	May24,99 13:14:46	RES	Default [CPS]	Default [CPS]
4	May24,99 13:14:46	SP	Default [CPS]	Default [CPS]
	May24,99 13:14:46	SP	Default [CPS]	Default [CPS]
5	May21,04 19:23:23	NEUTROI	Default [CPS]	Default [CPS]
	May21,04 19:23:23	NEUTRC	271.000 [API-N]	185.00 [CPS]
6	Feb20,02 17:17:55	TEMP	51.000 [DEG F]	1104.00 [CPS]
	Feb20,02 17:17:55	TEMP	95.200 [DEG F]	450.00 [CPS]
7	May08,05 11:26:04	CALIPER	25.400 [INCH]	79160.00 [CPS]
	Apr14,04 15:58:08	CURRENT	0.000 [UA]	4640.00 [CPS]
8	Apr14,04 15:58:08	CURRENT	249.000 [UA]	37608.00 [CPS]

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS



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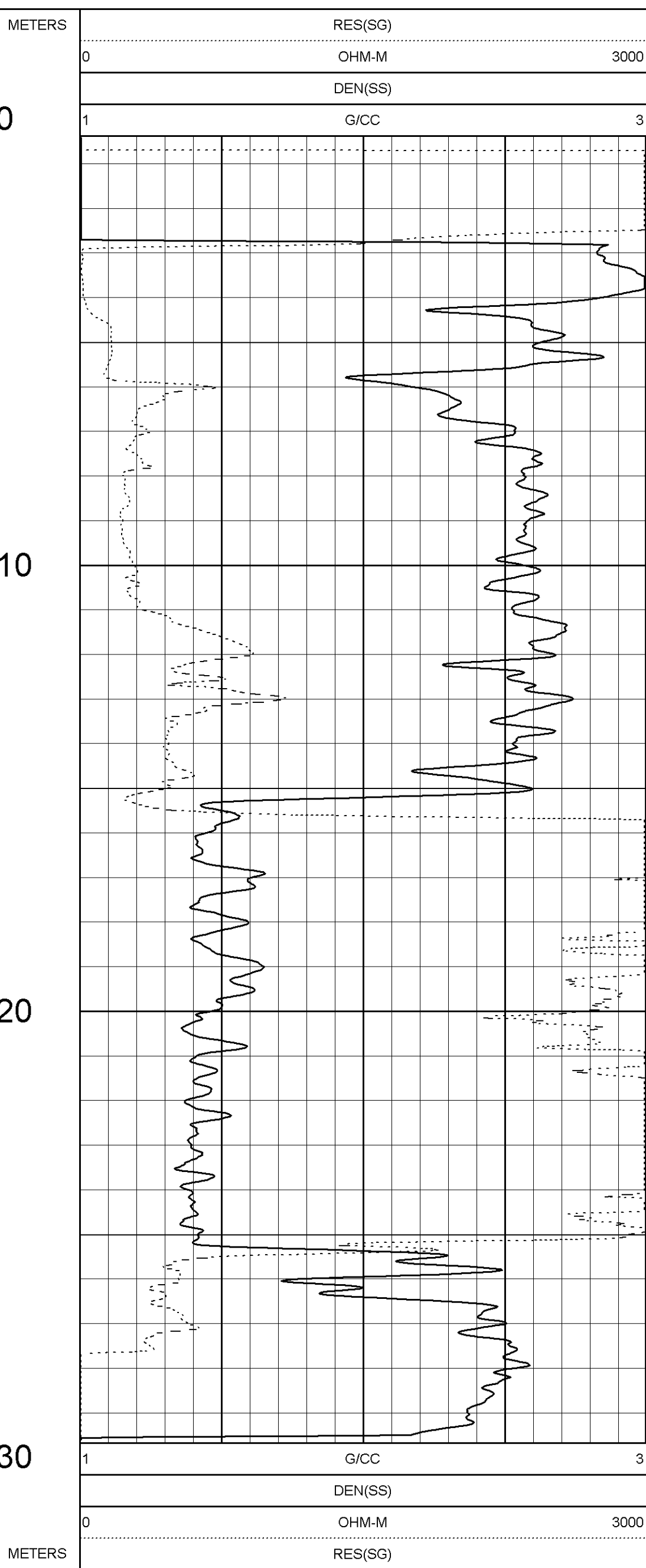
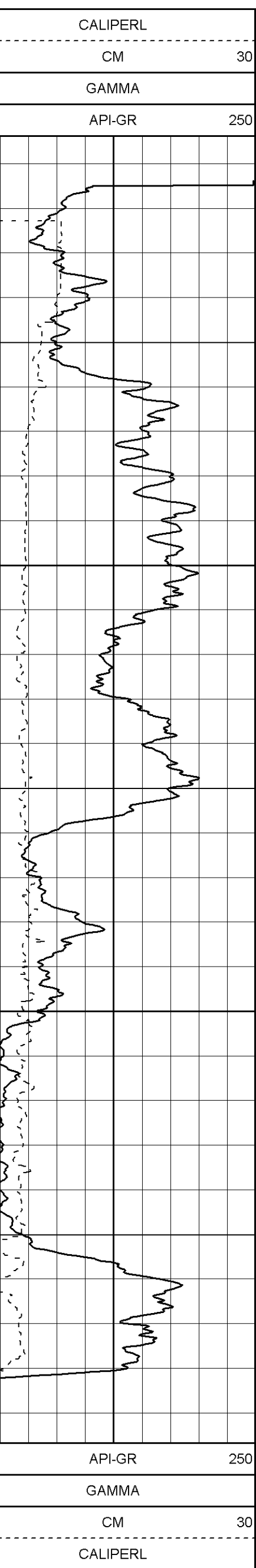
**GAMMA - CALIPER - RESISTIVITY
DENSITY - SHORT SPACE**

QBR 7588

COMPANY	NORTHERN ENERGY MINING INC	OTHER SERVICES:	
WELL	QBR 7588	9055	
FIELD	ROMAN MTN	9139	
MUNICIPALITY	TUMBLER RIDGE	9410	
PROVINCE	BRITISH COLUMBIA		

LOCATION	:	
SECTION	:	
TOWNSHIP	:	
RANGE	:	
API NO.	:	
UNIQUE WELL ID.	:	
PERMANENT DATUM	:GL	ELEVATION KB :
LOG MEASURED FROM	:GL	ELEVATION DF :
DRL MEASURED FROM	:GL	ELEVATION GL :

DATE	:07/13/05
RUN NO.	2
DEPTH DRILLER	29
BIT SIZE	:11.43
LOG TOP	:0.36
LOG BOTTOM	29.63
CASING OD	:10.2
CASING BOTTOM	3.04
CASING TYPE	HW
BOREHOLE FLUID	:
RM TEMPERATURE	:
MUD RES	:
WITNESSED BY	:RON
RECORDED BY	:T. BOOS
REMARKS 1	:
REMARKS 2	:



TOOL CALIBRATION QBR 7588 07/13/05 15:28
TOOL 9139A1
SERIAL NUMBER 963

	DATE	TIME	SENSOR	STANDARD	RESPONSE
1	Apr14,04	15:57:31	GAMMA	0.000 [API-GR]	6.00 [CPS]
	Apr14,04	15:57:31	GAMMA	331.000 [API-GR]	488.00 [CPS]
2	Apr14,04	15:57:37	VOLTAGE	0.000 [MV]	5095.00 [CPS]
	Apr14,04	15:57:37	VOLTAGE	1740.210 [MV]	142354.00 [CPS]
3	Apr14,04	17:20:00	CALIPER	7.850 [INCH]	90360.00 [CPS]
	Apr14,04	17:20:00	CALIPER	3.850 [INCH]	52980.00 [CPS]
4	Nov29,04	21:17:27	DEN(LS)	1.106 [G/CC]	9557.00 [CPS]
	Nov29,04	21:17:27	DEN(LS)	2.612 [G/CC]	573.00 [CPS]
5	Nov29,04	21:18:07	DEN(SS)	1.106 [G/CC]	16034.00 [CPS]
	Nov29,04	21:18:07	DEN(SS)	2.612 [G/CC]	5131.00 [CPS]
6	May08,05	11:26:04	CALIPERL	7.620 [INCH]	47938.00 [CPS]
	May08,05	11:26:04	CALIPERL	25.400 [INCH]	79160.00 [CPS]
7	Apr14,04	15:58:08	CURRENT	0.000 [UA]	4640.00 [CPS]
	Apr14,04	15:58:08	CURRENT	249.000 [UA]	37608.00 [CPS]
8	Apr14,04	15:58:28	TEMP	170.000 [DEG F]	95500.00 [CPS]
	Apr14,04	15:58:28	TEMP	68.000 [DEG F]	50541.00 [CPS]

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS



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**GAMMA - CALIPER - RESISTIVITY
COMPENSATED DENSITY**

QBR 7590

COMPANY : NORTHERN ENERGY MINING INC
 WELL : QBR 7590
 FIELD : ROMAN MTN
 COUNTY : TUMBLER RIDGE
 STATE : BRITISH COLUMBIA

OTHER SERVICES:
 9057
 9034

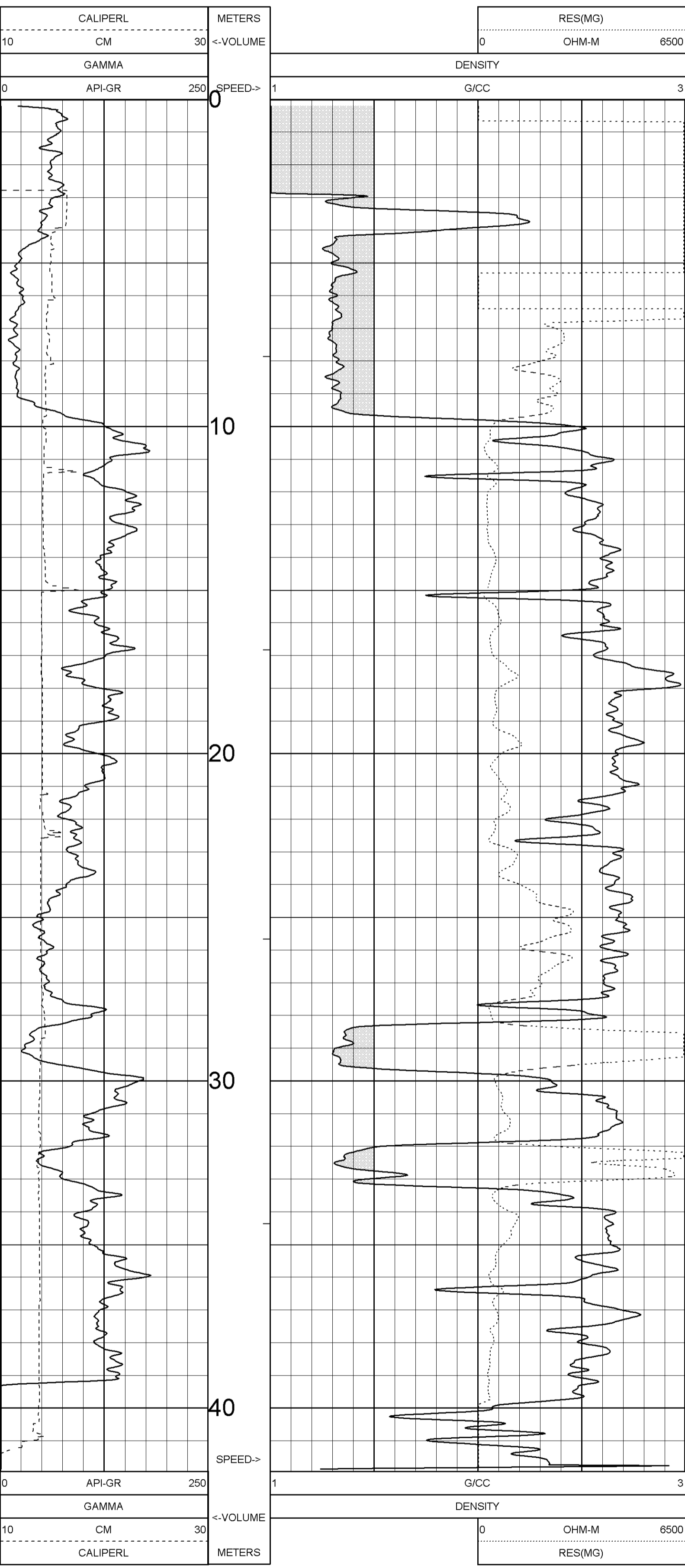
LOCATION :
 SECTION :
 TOWNSHIP :
 RANGE :
 API NO. :
 UNIQUE WELL ID. :
 PERMANENT DATUM : GL
 LOG MEASURED FROM : GL
 DRL MEASURED FROM : GL

ELEVATION KB :
 ELEVATION DF :
 ELEVATION GL :

DATE : 07/19/05

DEPTH DRILLER : 41
 BIT SIZE : 11.43
 LOG TOP : 0.19
 LOG BOTTOM : 41.89
 CASING OD : 17.78
 CASING BOTTOM : 9.1
 CASING TYPE : HW
 BOREHOLE FLUID :
 RM TEMPERATURE :
 MUD RES :
 MUD WEIGHT :

RECORDED BY : J. SINKWICH
 REMARKS 1 :
 REMARKS 2 :
 ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS

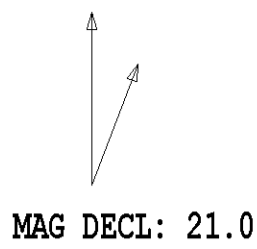


TOOL CALIBRATION QBR 7590 07/19/05 19:06
 SERIAL 9034AA1 TM VERSION 3200
 TOOL NUMBER 483

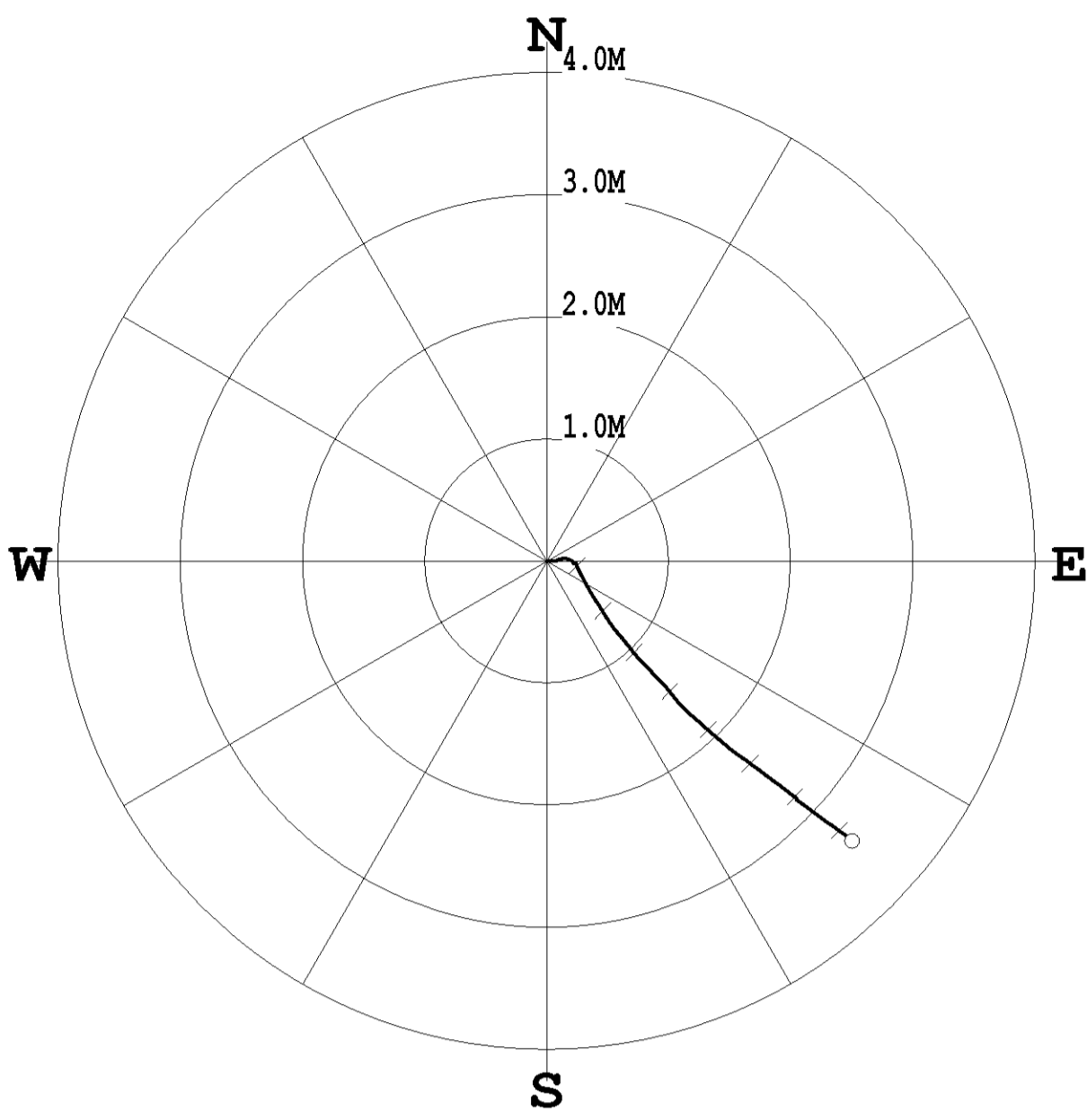
DATE	TIME	SENSOR	STANDARD	RESPONSE
1	Jul18,05 22:31:09	GAMMA	Default [CPS]	Default [CPS]
2	Jul18,05 21:31:09	GAMMA	123.000 [API-GR]	223.00 [CPS]
3	Jul18,05 21:31:45	DENSITY	1.106 [G/CC]	4848.00 [CPS]
4	Jul18,05 21:30:32	RES(MG)	Default [CPS]	Default [CPS]
5	Jul18,05 21:30:32	RES(MG)	Default [CPS]	Default [CPS]
6	Jul18,05 21:34:21	CALIPER	10.160 [CM]	62979.00 [CPS]
7	Jul18,05 21:34:21	CALIPER	14.732 [CM]	82599.00 [CPS]
8	Jul18,05 21:34:55	DENSITYH	1.106 [G/CC]	36460.00 [CPS]
9	Jul18,05 21:34:55	DENSITYH	2.475 [G/CC]	10050.00 [CPS]
10	Jul18,05 21:35:51	CALIPERL	14.732 [CM]	58561.00 [CPS]
11	Jul18,05 21:35:51	CALIPERL	25.400 [CM]	85885.00 [CPS]
12	Aug02,99 06:17:32	RES	Default [CPS]	Default [CPS]
13	Aug02,99 06:17:32	RES	Default [CPS]	Default [CPS]
14	Apr12,02 00:42:07	POR(NEU)	100.000 [PERCENT]	178.00 [CPS]

PLAN VIEW COMPU-LOG DEVIATION

CLIENT: NORTHERN ENERGY MINING INC
LOCATION: ROMAN MTN
HOLE ID: QBR 7590
DATE OF LOG: 07/19/05
PROBE: 9057A 1067



SCALE: 1 M/CM
TRUE DEPTH: 41.40 M
AZIMUTH: 132.4
DISTANCE: 3.4 M
+ = 5 M INCR
○ = BOTTOM OF HOLE





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**GAMMA - CALIPER - RESISTIVITY
COMPENSATED DENSITY**

QBR 7591

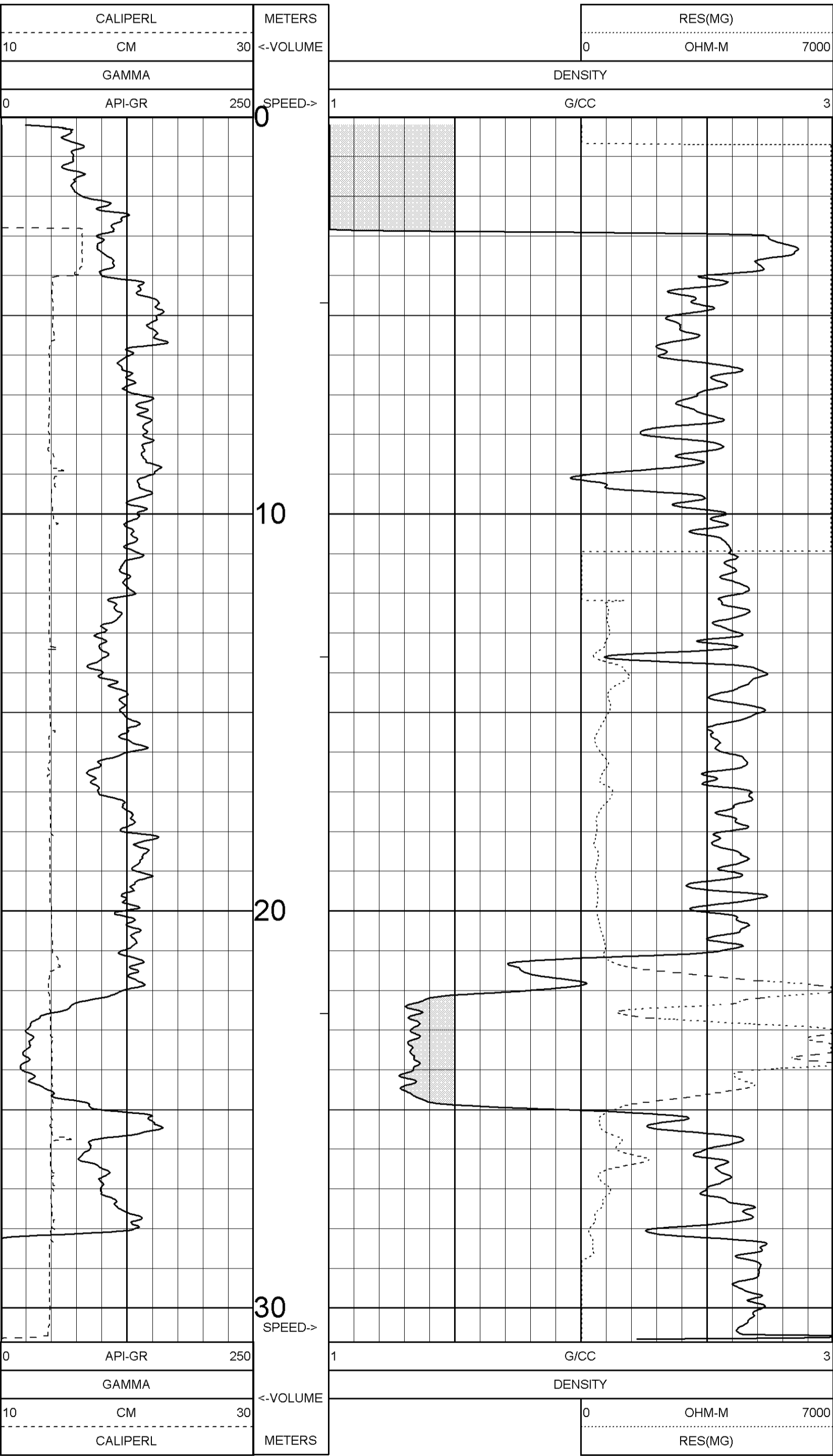
COMPANY : NORTHERN ENERGY MINING INC
 WELL : QBR 7591
 FIELD : ROMAN MTN
 COUNTY : TUMBLER RIDGE
 STATE : BRITISH COLUMBIA

OTHER SERVICES:
 9057
 9034

LOCATION :
 SECTION :
 TOWNSHIP :
 RANGE :
 API NO. :
 UNIQUE WELL ID. :
 PERMANENT DATUM : GL
 LOG MEASURED FROM : GL
 DRL MEASURED FROM : GL

ELEVATION KB :
 ELEVATION DF :
 ELEVATION GL :

DATE : 07/19/05
 DEPTH DRILLER : 29
 BIT SIZE : 11.43
 LOG TOP : 0.20
 LOG BOTTOM : 30.81
 CASING OD : 17.78
 CASING BOTTOM : 9.1
 CASING TYPE : HW
 BOREHOLE FLUID :
 RM TEMPERATURE :
 MUD RES :
 MUD WEIGHT :
 RECORDED BY : J. SINKWICH
 REMARKS 1 :
 REMARKS 2 :



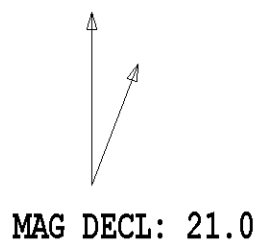
TOOL CALIBRATION QBR 7591 07/19/05 19:40
 TOOL 9034AA1 TM VERSION 3200
 SERIAL NUMBER 483

DATE	TIME	SENSOR	STANDARD	RESPONSE
1	Jul18,05 21:31:09	GAMMA	Default [CPS]	Default [CPS]
	Jul18,05 21:31:09	GAMMA	123.000 [API-GR]	223.00 [CPS]
2	Jul18,05 21:31:45	DENSITY	1.106 [G/CC]	4848.00 [CPS]
	Jul18,05 21:31:45	DENSITY	2.612 [G/CC]	1066.00 [CPS]
3	Jul18,05 21:30:32	RES(MG)	Default [CPS]	Default [CPS]
	Jul18,05 21:30:32	RES(MG)	Default [CPS]	Default [CPS]
4	Jul18,05 21:34:21	CALIPER	10.160 [CM]	62979.00 [CPS]
	Jul18,05 21:34:21	CALIPER	14.732 [CM]	82599.00 [CPS]
5	Jul18,05 21:34:55	DENSITYH	1.106 [G/CC]	36460.00 [CPS]
	Jul18,05 21:34:55	DENSITYH	2.475 [G/CC]	10050.00 [CPS]
6	Jul18,05 21:35:51	CALIPERL	14.732 [CM]	58561.00 [CPS]
	Jul18,05 21:35:51	CALIPERL	25.400 [CM]	85885.00 [CPS]
7	Aug02,99 06:17:32	RES	Default [CPS]	Default [CPS]
	Aug02,99 06:17:32	RES	Default [CPS]	Default [CPS]
8	Apr12,02 00:42:07	POR(NEU)	100.000 [PERCENT]	178.00 [CPS]

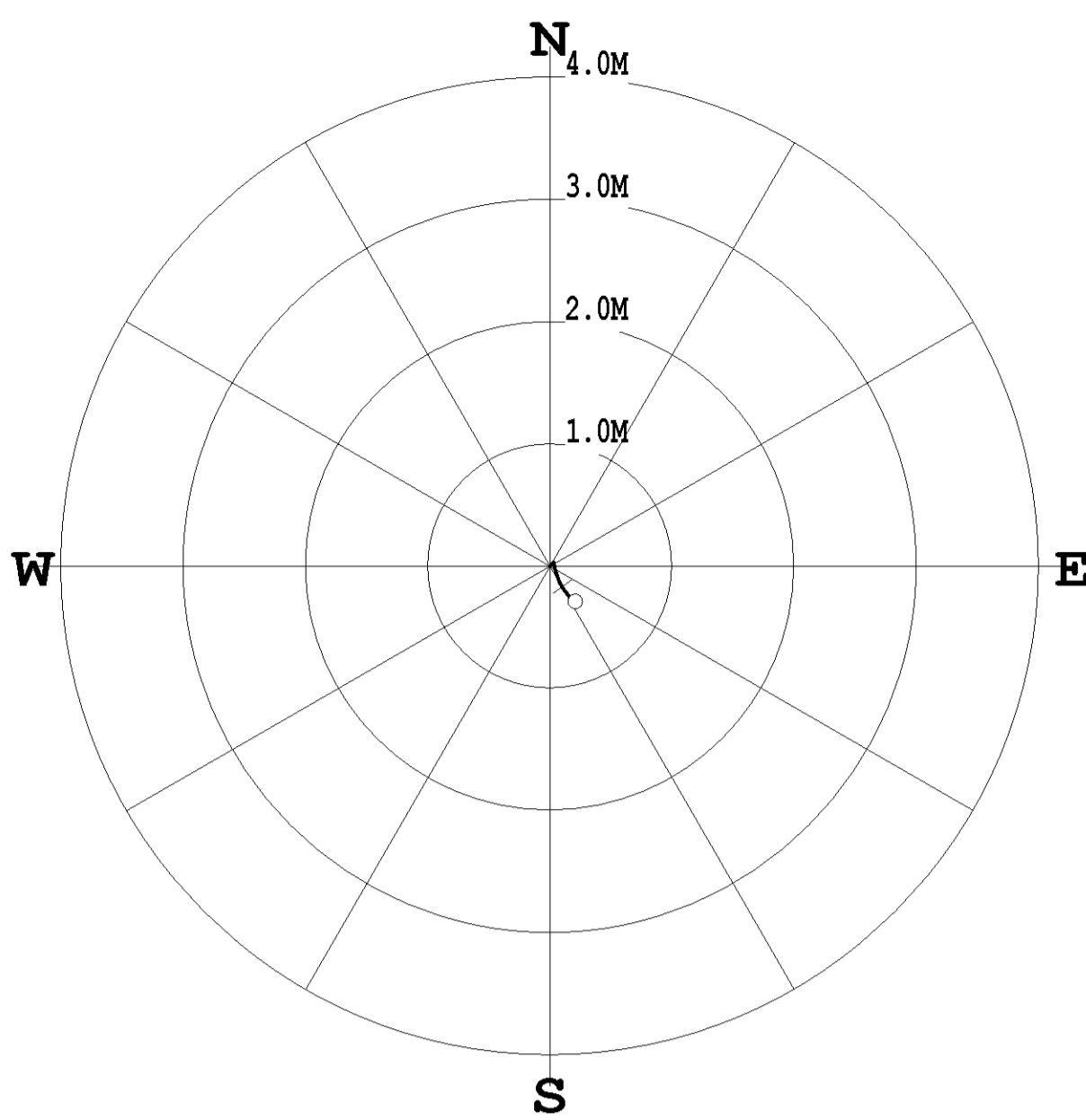
ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS

PLAN VIEW COMPU-LOG DEVIATION

CLIENT: NORTHERN ENERGY MINING INC
LOCATION: ROMAN MTN
HOLE ID: QBR 7591
DATE OF LOG: 07/19/05
PROBE: 9057A 1067



SCALE: 1 M/CM
TRUE DEPTH: 30.52 M
AZIMUTH: 143.7
DISTANCE: 0.3 M
+ = 20 M INCR
○ = BOTTOM OF HOLE



COMPANY : NORTHERN ENERGY MINING INC

WELL : QBD - 7593

FIELD : ROMAN MTN

COUNTY : TUMBLER RIDGE

STATE : BRITISH COLUMBIA

OTHER SERVICES:
9055
9139

LOCATION :
SECTION :
TOWNSHIP :
RANGE :
API NO. :
UNIQUE WELL ID. :
PERMANENT DATUM : GL
LOG MEASURED FROM : GL
DRL MEASURED FROM : GL
DATE : 08/04/05

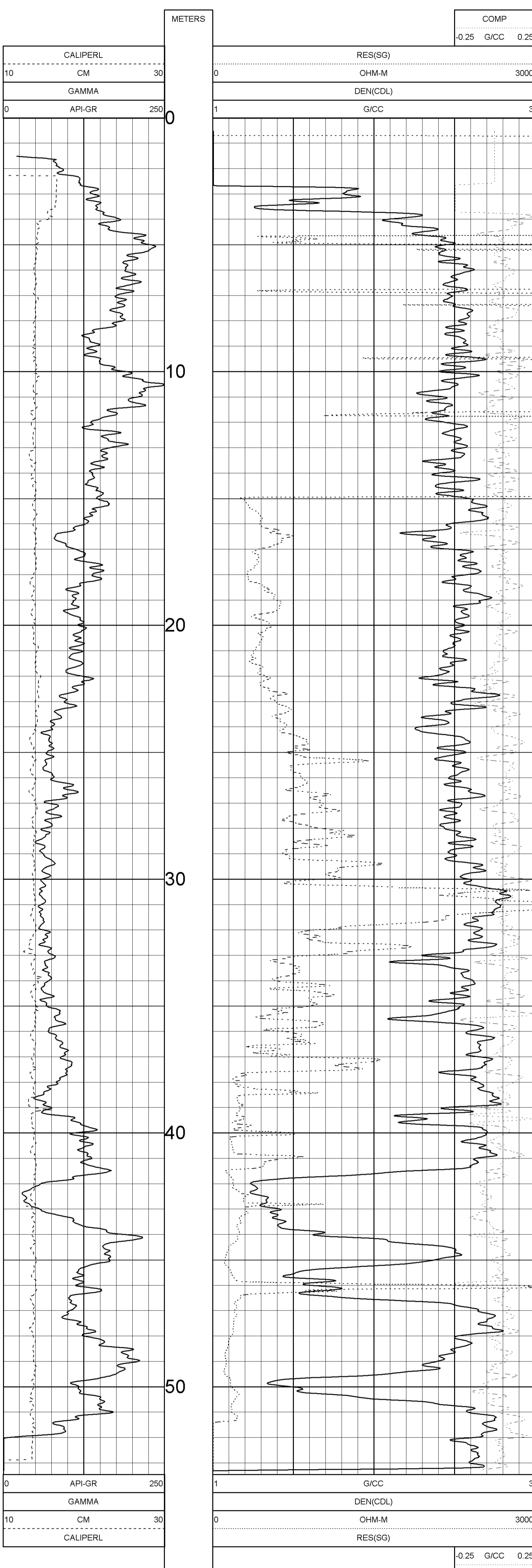
ELEVATION KB :
ELEVATION DF :
ELEVATION GL :

DEPTH DRILLER : .55
BIT SIZE : 11.43
LOG TOP : 0.48
LOG BOTTOM : 53.41
CASING OD : 10.2
CASING BOTTOM : 3.04
CASING TYPE : HW
BOREHOLE FLUID : WATER
RM TEMPERATURE :
MUD RES :
MUD WEIGHT :
RECORDED BY : J. SINKWICH
REMARKS 1 :
REMARKS 2 :
ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS

COMPENSATED DENSITY LOG QBD - 7593 08/04/05

LOG PARAMETERS

MATRIX DENSITY : 2.65 NEUTRON MATRIX : SANDSTONE MATRIX DELTA T : 140
MAGNETIC DECL : 21 ELECT. CUTOFF : 77777 BIT SIZE : 11.43
PRESENTATION NAME/DATE = 9139A1.0 07/21/2005



COMPENSATED DENSITY LOG QBD - 7593 08/04/05

LOG PARAMETERS

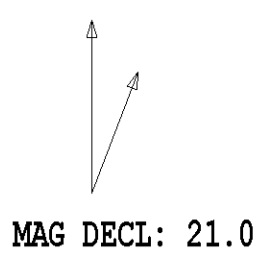
MATRIX DENSITY : 2.65 NEUTRON MATRIX : SANDSTONE MATRIX DELTA T : 140
MAGNETIC DECL : 21 ELECT. CUTOFF : 77777 BIT SIZE : 11.43
PRESENTATION NAME/DATE = 9139A1.0 07/21/2005

TOOL CALIBRATION QBD - 7593 08/04/05 17:52
TOOL 9139A1 TM VERSION 0
SERIAL NUMBER 963

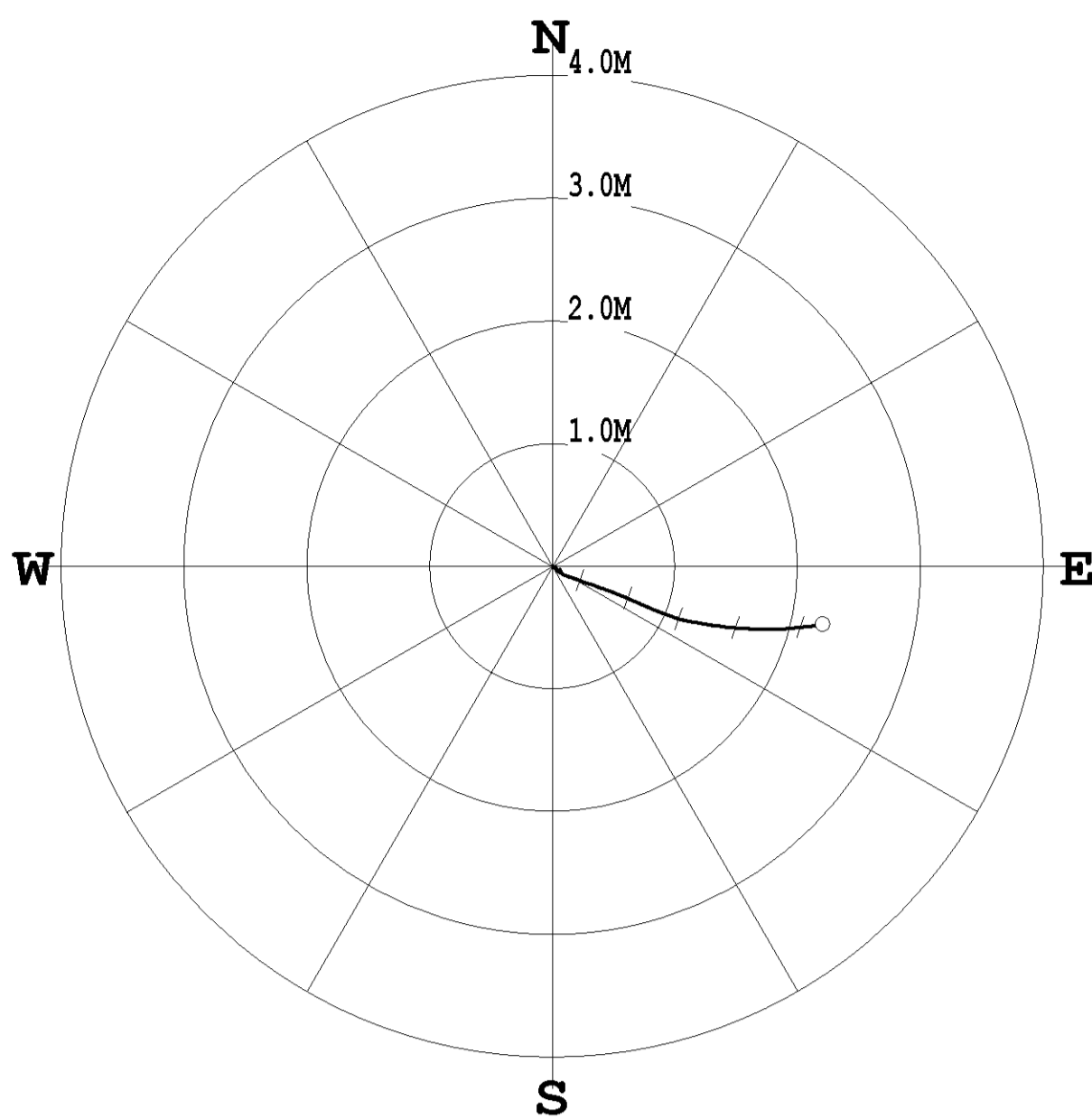
DATE	TIME	SENSOR	STANDARD	RESPONSE
1	Apr14,04 16:57:31	GAMMA	331.000 [API-GR]	6.00 [CPS]
1	Apr14,04 15:57:37	VOLTAGE	0.000 [MV]	5095.00 [CPS]
2	Apr14,04 17:20:00	VOLTAGE	1740.210 [MV]	142354.00 [CPS]
3	Apr14,04 17:20:00	CALIPER	7.850 [INCH]	90360.00 [CPS]
4	Apr14,04 17:20:00	CALIPER	3.850 [INCH]	52980.00 [CPS]
5	Nov29,04 21:17:27	DEN(LS)	1.106 [G/CC]	9557.00 [CPS]
5	Nov29,04 21:17:27	DEN(LS)	2.612 [G/CC]	573.00 [CPS]
5	Nov29,04 21:18:07	DEN(SS)	1.106 [G/CC]	16034.00 [CPS]
5	Nov29,04 21:18:07	DEN(SS)	2.612 [G/CC]	5131.00 [CPS]
6	May08,05 11:26:04	CALIPERL	7.620 [INCH]	47938.00 [CPS]
6	May08,05 11:26:04	CALIPERL	25.400 [INCH]	79160.00 [CPS]
7	Apr14,04 15:58:08	CURRENT	0.000 [UA]	4640.00 [CPS]
7	Apr14,04 15:58:08	CURRENT	249.000 [UA]	37608.00 [CPS]
8	Apr14,04 15:58:28	TEMP	170.000 [DEG F]	95500.00 [CPS]
8	Apr14,04 15:58:28	TEMP	68.000 [DEG F]	50541.00 [CPS]

PLAN VIEW COMPU-LOG DEVIATION

CLIENT: NORTHERN ENERGY MINING INC
LOCATION: ROMAN MTN
HOLE ID: QBD - 7593
DATE OF LOG: 08/04/05
PROBE: 9055A 80



SCALE: 1 M/CM
TRUE DEPTH: 53.35 M
AZIMUTH: 102.2
DISTANCE: 2.3 M
+ = 10 M INCR
○ = BOTTOM OF HOLE

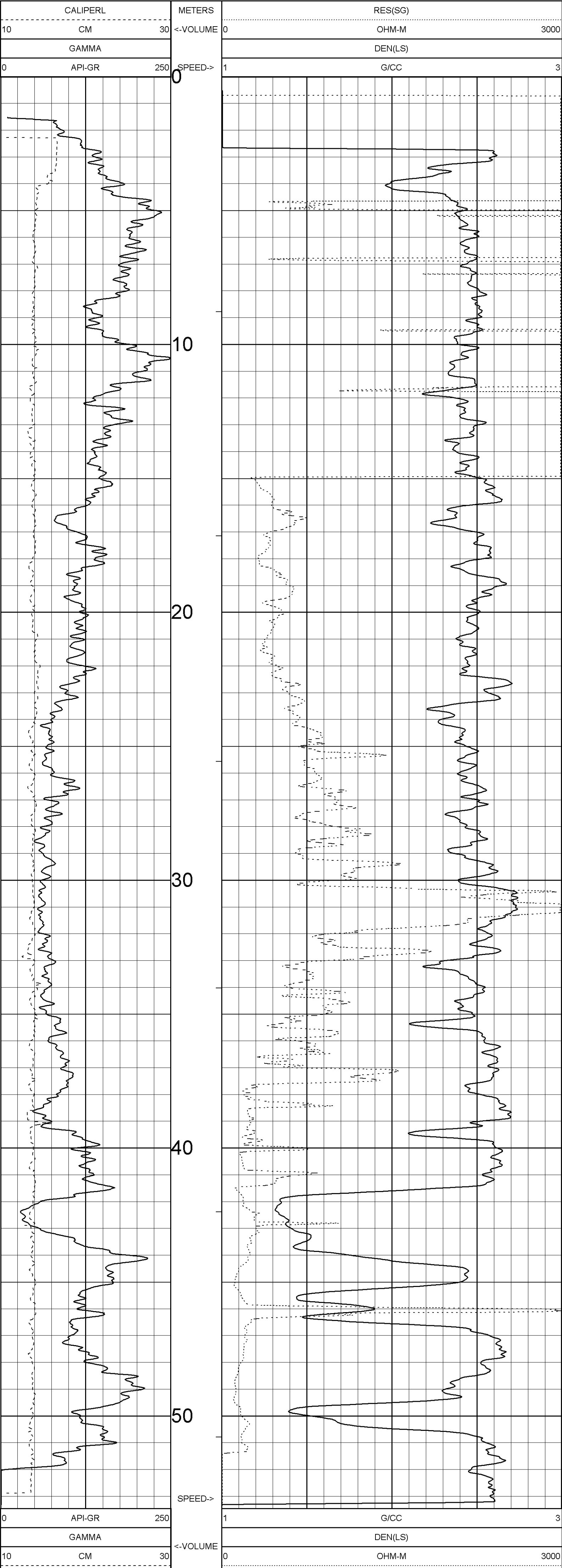


COMPANY	NORTHERN ENERGY MINING INC	OTHER SERVICES:	
WELL	QBD - 7593		
FIELD	ROMAN MTN		9055
COUNTY	TUMBLER RIDGE		9139
STATE	BRITISH COLUMBIA		
LOCATION			
SECTION			
TOWNSHIP			
RANGE			
API NO.			
UNIQUE WELL ID.			
PERMANENT DATUM	SL	ELEVATION RB :	
LOG MEASURED FROM GL		ELEVATION DF :	
DRL MEASURED FROM GL		ELEVATION GL :	
DATE	08/04/05		
DEPTH DRILLER	55		
BIT SIZE	11.43		
LOG TOP	0.48		
LOG BOTTOM	53.41		
CASING OD	10.2		
CASING BOTTOM	3.04		
CASING TYPE	HW		
BOREHOLE FLUID	WATER		
RM TEMPERATURE			
MUD RES			
MUD WEIGHT			
RECORDED BY	J. SINKWICH		
REMARKS 1			
REMARKS 2			

LONG-SPACE DENSITY QBD - 7593 08/04/05

LOG PARAMETERS

MATRIX DENSITY : 2.65 NEUTRON MATRIX : SANDSTONE MATRIX DELTA T : 140
 MAGNETIC DECL : 21 ELECT. CUTOFF : 77777 BIT SIZE : 11.43
 PRESENTATION NAME/DATE = 9139long space.0 08/03/2005



LONG-SPACE DENSITY QBD - 7593 08/04/05

LOG PARAMETERS

MATRIX DENSITY : 2.65 NEUTRON MATRIX : SANDSTONE MATRIX DELTA T : 140
 MAGNETIC DECL : 21 ELECT. CUTOFF : 77777 BIT SIZE : 11.43
 PRESENTATION NAME/DATE = 9139long space.0 08/03/2005

TOOL CALIBRATION QBD - 7593 08/04/05 17:52
 TOOL 9139A1 TM VERSION 0
 SERIAL NUMBER 963

DATE	TIME	SENSOR	STANDARD	RESPONSE
1	Apr14,04 15:57:31	GAMMA	0.000 [API-GR]	6.00 [CPS]
1	Apr14,04 15:57:31	GAMMA	331.000 [API-GR]	488.00 [CPS]
2	Apr14,04 15:57:37	VOLTAGE	0.000 [MV]	5095.00 [CPS]
2	Apr14,04 15:57:37	VOLTAGE	1740.210 [MV]	142354.00 [CPS]
3	Apr14,04 17:20:00	CALIPER	7.850 [INCH]	90360.00 [CPS]
3	Apr14,04 17:20:00	CALIPER	3.850 [INCH]	52980.00 [CPS]
4	Nov29,04 21:17:27	DEN(LS)	1.106 [G/CC]	9557.00 [CPS]
4	Nov29,04 21:17:27	DEN(LS)	2.612 [G/CC]	573.00 [CPS]
5	Nov29,04 21:18:07	DEN(SS)	1.106 [G/CC]	16034.00 [CPS]
5	Nov29,04 21:18:07	DEN(SS)	2.612 [G/CC]	5131.00 [CPS]
6	May08,05 11:26:04	CALIPERL	7.620 [INCH]	47938.00 [CPS]
6	May08,05 11:26:04	CALIPERL	25.400 [INCH]	79160.00 [CPS]
7	Apr14,04 15:58:08	CURRENT	0.000 [UA]	4640.00 [CPS]
7	Apr14,04 15:58:08	CURRENT	249.000 [UA]	37608.00 [CPS]
8	Apr14,04 15:58:28	TEMP	170.000 [DEG F]	95500.00 [CPS]
8	Apr14,04 15:58:28	TEMP	68.000 [DEG F]	50541.00 [CPS]

COMPANY : NORTHERN ENERGY MINING INC

OTHER SERVICES:

WELL : QBD - 7593

9055

FIELD : ROMAN MTN

9139

MUNICIPALITY : TUMBLER RIDGE

PROVINCE : BRITISH COLUMBIA

LOCATION :

SECTION :

TOWNSHIP :

RANGE :

API NO. :

UNIQUE WELL ID. :

PERMANENT DATUM : GL

LOG MEASURED FROM : GL

DRL MEASURED FROM : GL

DATE : 08/04/05

RUN NO. : 1

DEPTH DRILLER : SS

BIT SIZE : 11.43

LOG TOP : 1.47

LOG BOTTOM : 53.41

CASING OD : 10.2

CASING BOTTOM : 3.04

CASING TYPE : HW

BOREHOLE FLUID : WATER

R/M TEMPERATURE :

MUD RES :

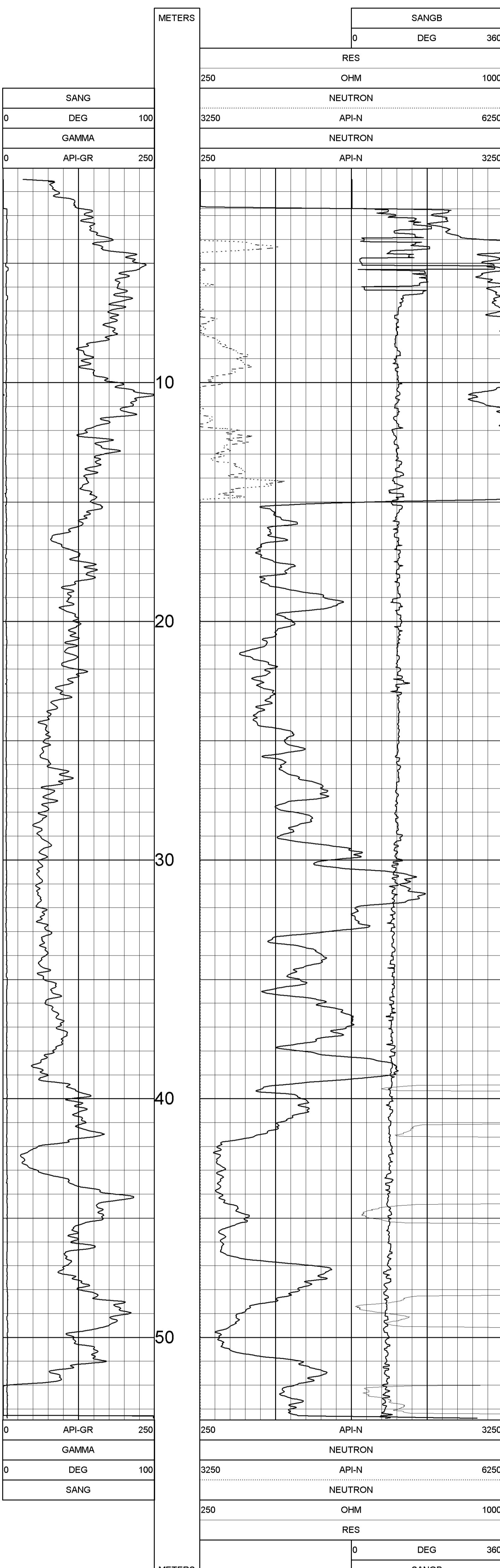
WITNESSED BY : RON

RECORDED BY : J. SINKWICH

REMARKS 1 :

REMARKS 2 :

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS



TOOL CALIBRATION QBD - 7593 08/04/05 17:34
 TOOL 9055A
 SERIAL NUMBER 80

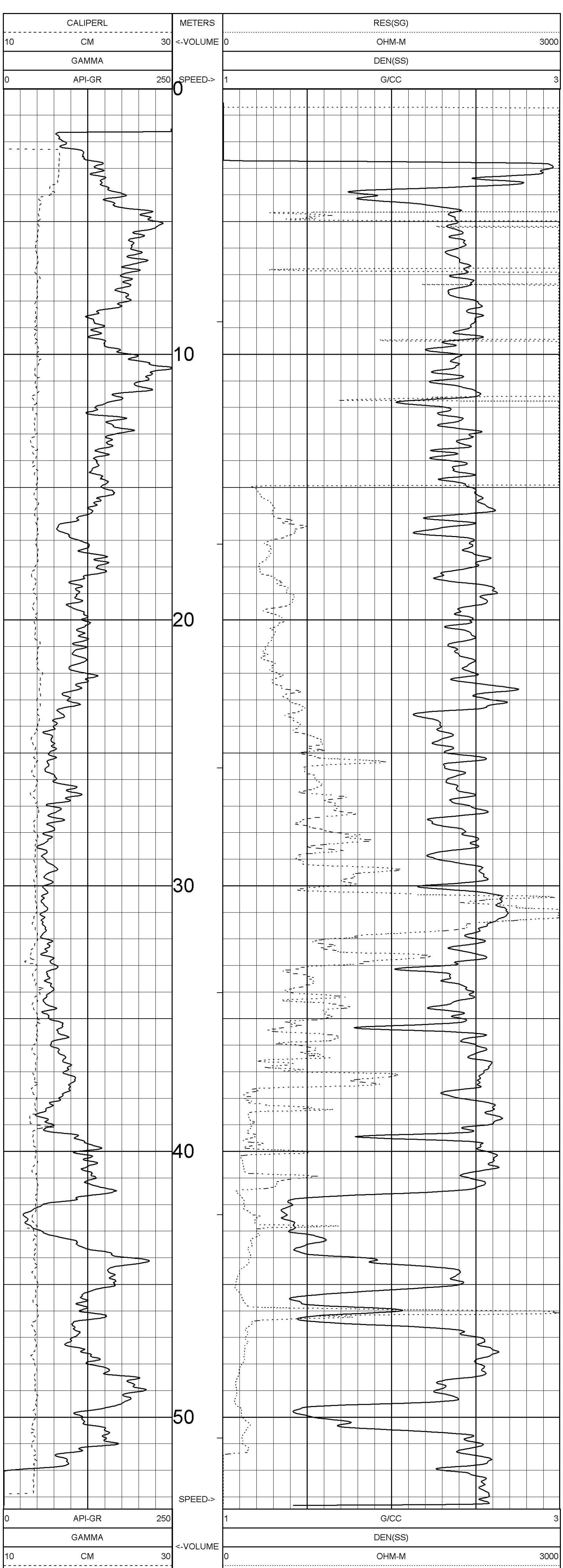
	DATE	TIME	SENSOR	STANDARD	RESPONSE
1	Jul27,04	07:52:42	GAMMA	15.000 [API-GR]	1.00 [CPS]
	Jul27,04	07:52:42	GAMMA	250.000 [API-GR]	240.00 [CPS]
2	May24,99	13:14:46	POROSI	185.000 [CPS]	
3	May24,99	13:14:46	RES	Default [CPS]	Default [CPS]
	May24,99	13:14:46	RES	Default [CPS]	Default [CPS]
4	May24,99	13:14:46	SP	Default [CPS]	Default [CPS]
	May24,99	13:14:46	SP	Default [CPS]	Default [CPS]
5	May21,04	19:23:23	NEUTROI	Default [CPS]	Default [CPS]
	May21,04	19:23:23	NEUTROI	Default [CPS]	Default [CPS]
6	Feb20,02	17:17:55	TEMP	271.000 [API-N]	185.00 [CPS]
	Feb20,02	17:17:55	TEMP	51.000 [DEG F]	1104.00 [CPS]
	Feb20,02	17:17:55	TEMP	95.200 [DEG F]	450.00 [CPS]

COMPANY	NORTHERN ENERGY MINING INC	OTHER SERVICES:	
WELL	QBD - 7593	9055	
FIELD	ROMAN MTN	9139	
COUNTY	TUMBLER RIDGE		
STATE	BRITISH COLUMBIA		
LOCATION			
SECTION			
TOWNSHIP			
RANGE			
API NO.			
UNIQUE WELL ID.			
PERMANENT DATUM	GL	ELEVATION RB :	
LOG MEASURED FROM GL		ELEVATION DF :	
DRL MEASURED FROM GL		ELEVATION GL :	
DATE	08/04/05		
DEPTH DRILLER	55		
BIT SIZE	11.43		
LOG TOP	0.48		
LOG BOTTOM	53.41		
CASING OD	10.2		
CASING BOTTOM	3.04		
CASING TYPE	HW		
BOREHOLE FLUID	WATER		
RM TEMPERATURE			
MUD RES			
MUD WEIGHT			
RECORDED BY	J. SINKWICH		
REMARKS 1			
REMARKS 2			

SHORT-SPACE DENSITY QBD - 7593 08/04/05

LOG PARAMETERS

MATRIX DENSITY : 2.65 NEUTRON MATRIX : SANDSTONE MATRIX DELTA T : 140
 MAGNETIC DECL : 21 ELECT. CUTOFF : 77777 BIT SIZE : 11.43
 PRESENTATION NAME/DATE = 9139short space.0 08/03/2005



SHORT-SPACE DENSITY QBD - 7593 08/04/05

LOG PARAMETERS

MATRIX DENSITY : 2.65 NEUTRON MATRIX : SANDSTONE MATRIX DELTA T : 140
 MAGNETIC DECL : 21 ELECT. CUTOFF : 77777 BIT SIZE : 11.43
 PRESENTATION NAME/DATE = 9139short space.0 08/03/2005

TOOL CALIBRATION QBD - 7593 08/04/05 17:52
 TOOL 9139A1 TM VERSION 0
 SERIAL NUMBER 963

DATE	TIME	SENSOR	STANDARD	RESPONSE
1	Apr14,04 15:57:31	GAMMA	0.000 [API-GR]	6.00 [CPS]
1	Apr14,04 15:57:31	GAMMA	331.000 [API-GR]	488.00 [CPS]
2	Apr14,04 15:57:37	VOLTAGE	0.000 [MV]	5095.00 [CPS]
2	Apr14,04 15:57:37	VOLTAGE	1740.210 [MV]	142354.00 [CPS]
3	Apr14,04 17:20:00	CALIPER	7.850 [INCH]	90360.00 [CPS]
3	Apr14,04 17:20:00	CALIPER	3.850 [INCH]	52980.00 [CPS]
4	Nov29,04 21:17:27	DEN(LS)	1.106 [G/CC]	9557.00 [CPS]
4	Nov29,04 21:17:27	DEN(LS)	2.612 [G/CC]	573.00 [CPS]
5	Nov29,04 21:18:07	DEN(SS)	1.106 [G/CC]	16034.00 [CPS]
5	Nov29,04 21:18:07	DEN(SS)	2.612 [G/CC]	5131.00 [CPS]
6	May08,05 11:26:04	CALIPERL	7.620 [INCH]	47938.00 [CPS]
6	May08,05 11:26:04	CALIPERL	25.400 [INCH]	79160.00 [CPS]
7	Apr14,04 15:58:08	CURRENT	0.000 [UA]	4640.00 [CPS]
7	Apr14,04 15:58:08	CURRENT	249.000 [UA]	37608.00 [CPS]
8	Apr14,04 15:58:28	TEMP	170.000 [DEG F]	95500.00 [CPS]
8	Apr14,04 15:58:28	TEMP	68.000 [DEG F]	50541.00 [CPS]

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QBR 7594

COMPANY: NORTHERN ENERGY MINING INC
WELL: QBR 7594
FIELD: ROMAN MTR
MUNICIPALITY: TUMBLER RIDGE
PROVINCE: BRITISH COLUMBIA

OTHER SERVICES:
9065
9139
9410

LOCATION:
SECTION:
TOWNSHIP:
RANGE:
APN NO.:

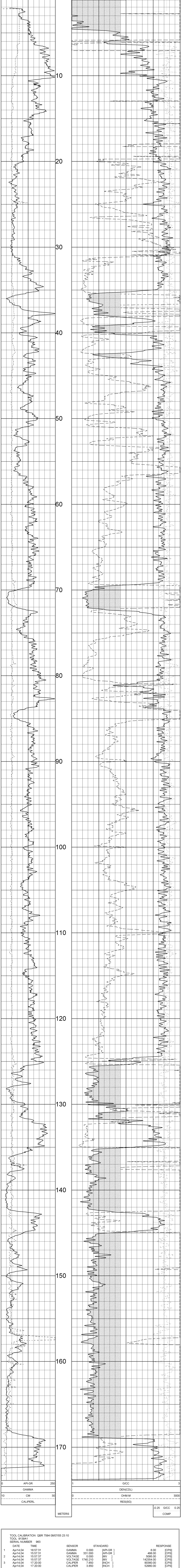
UNIQUE WELL ID:
PERMANENT DATUM:
LOG MEASURED FROM:
DLI MEASURED FROM:

ELEVATIONS:
ELEVATION KB:
ELEVATION DF:
ELEVATION GL:

DATE: 08/07/05
RUN NO.: 2
DEPTH DRILLER: J737
BIT SIZE: 11.43
LOG TOP: 1.01
LOG BOTTOM: 173.83

CASING OD: 13.3
CASING BOTTOM: 3.04
CASING TYPE: HW
BOREHOLE FLUID: WATER
RT TEMPERATURE:
MUD RES:
WITNESSED BY: RON
RECORDED BY: J. SIMKICH
REMARKS 1:
REMARKS 2:

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS

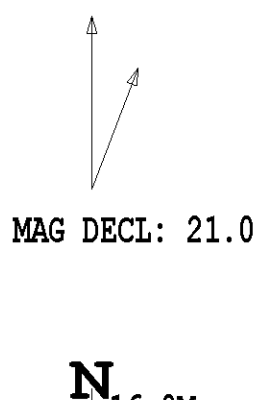


TOOL CALIBRATION QBR 7594 08/07/05 23:10
TOOL 9139A1
SERIAL NUMBER 993

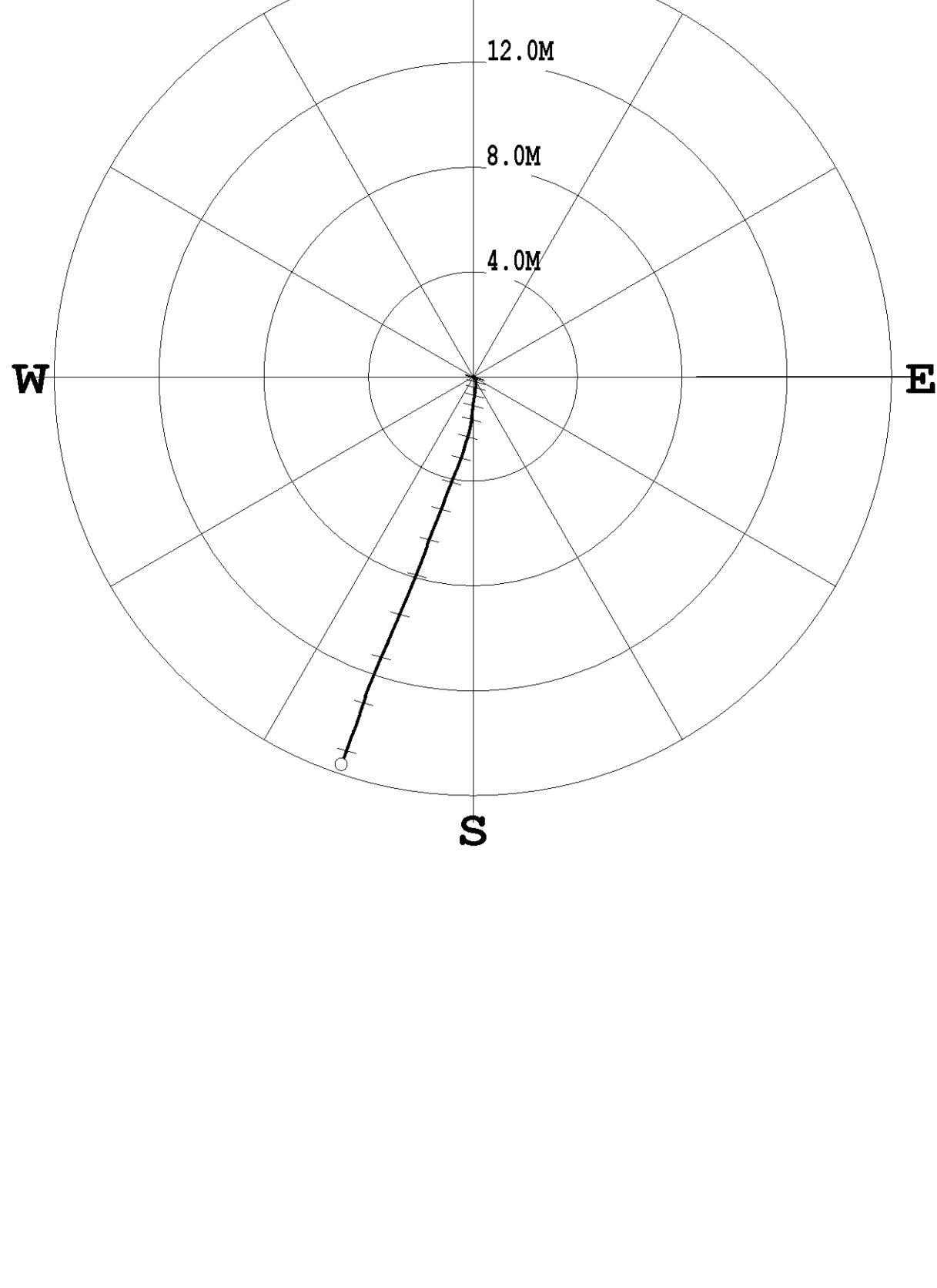
DATE	TIME	SENSOR	STANDARD	RESPONSE	CORRECTION
1	Apr14,04 16:57:31	GAMMA	0.000 [API-GR]	6.00	[CPS]
1	Apr14,04 16:57:31	GAMMA	331.000 [API-GR]	488.00	[CPS]
1	Apr14,04 16:57:37	VOLTAGE	0.000 [MV]	5095.00	[CPS]
1	Apr14,04 16:57:37	VOLTAGE	1740.210 [MV]	142354.00	[CPS]
3	Apr14,04 17:20:00	CALIPER	7.850 [INCH]	90380.00	[CPS]
3	Apr14,04 17:20:00	CALIPER	3.850 [INCH]	52980.00	[CPS]
4	Nov29,04 21:17:27	DEN(LS)	1.106 [G/CC]	957.00	[CPS]
4	Nov29,04 21:17:27	DEN(LS)	2.612 [G/CC]	553.00	[CPS]
5	Nov29,04 21:18:07	DEN(SS)	1.106 [G/CC]	16034.00	[CPS]
5	Nov29,04 21:18:07	DEN(SS)	2.612 [G/CC]	5131.00	[CPS]
6	May08,05 11:25:04	CALIPER	7.620 [INCH]	47898.00	[CPS]
7	May08,05 11:26:04	CALIPER	25.400 [INCH]	79180.00	[CPS]
7	Apr14,04 15:58:08	CURRENT	0.000 [UA]	4640.00	[CPS]
7	Apr14,04 15:58:08	CURRENT	249.000 [UA]	37608.00	[CPS]
8	Apr14,04 15:58:28	TEMP	170.000 [DEG F]	95500.00	[CPS]
8	Apr14,04 15:58:28	TEMP	68.000 [DEG F]	50541.00	[CPS]

PLAN VIEW COMPU-LOG DEVIATION

CLIENT: NORTHERN ENERGY MINING INC
LOCATION: ROMAN MTN
HOLE ID: QBR 7594
DATE OF LOG: 08/07/05
PROBE: 9055A 80

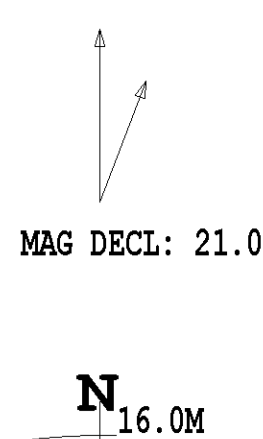


SCALE: 2 M/CM
TRUE DEPTH: 172.73 M
AZIMUTH: 198.8
DISTANCE: 15.6 M
+ = 10 M INCR
○ = BOTTOM OF HOLE

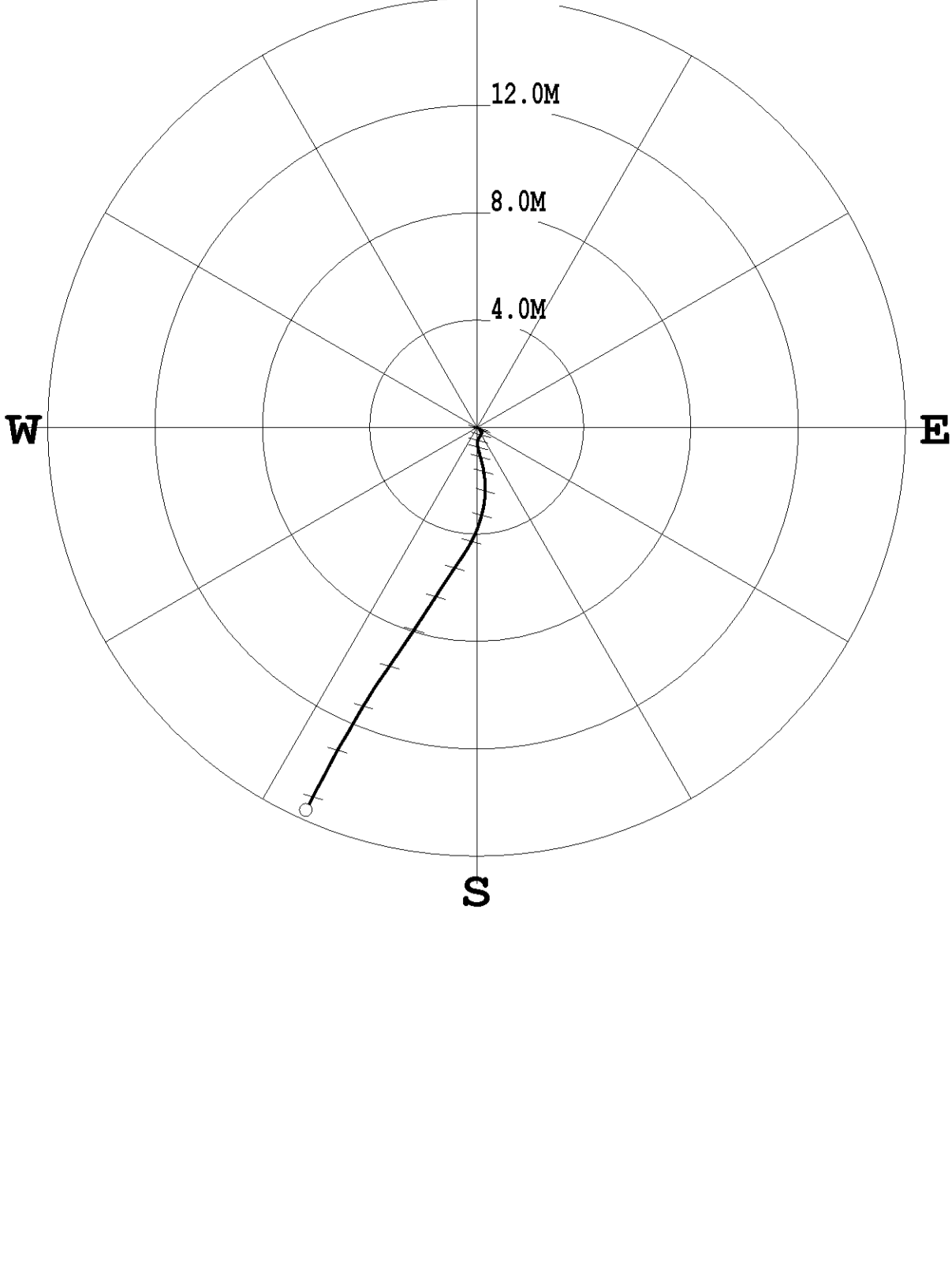


PLAN VIEW COMPU-LOG DEVIATION

CLIENT: NORTHERN ENERGY MINING INC
LOCATION: ROMAN MTN
HOLE ID: QBR 7594
DATE OF LOG: 08/07/05
PROBE: 9410A 377



SCALE: 2 M/CM
TRUE DEPTH: 172.74 M
AZIMUTH: 204.1
DISTANCE: 15.6 M
+ = 10 M INCR
○ = BOTTOM OF HOLE



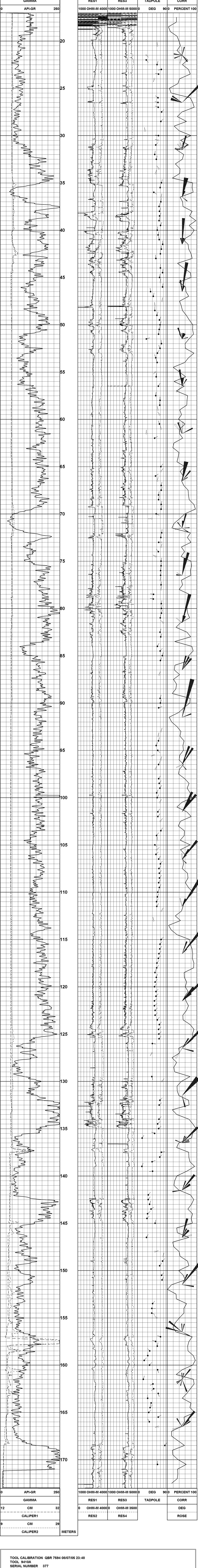
COMPANY : NORTHERN ENERGY MINING INC
WELL : QBR 7594
FIELD : ROMAN MTN
LOCALITY : TUBBER RIDGE
PROVINCE : BRITISH COLUMBIA

OTHER SERVICES : 9858
9139
9410

LOCATION :
SECTION :
TOWNSHIP :
RANGE :
API NO :
UNIQUE WELL ID :

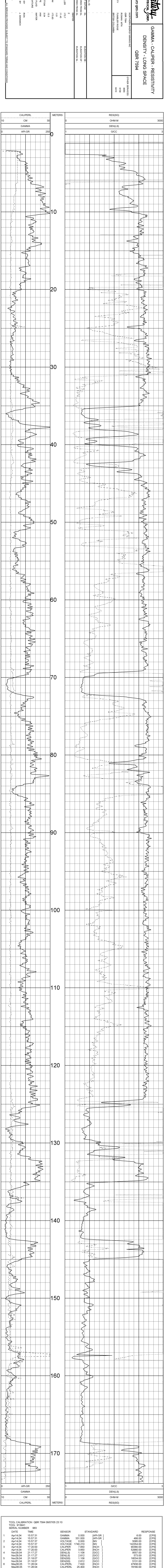
PERMANENT DATUM : GL
LOG MEASURED FROM : GL
ELEVATION :
ELEVATION DE :
ELEVATION GL :

DATE : 08/07/05
RUN NO. : 3
DEPTH DRILLER : 173.7
BIT SIZE : 4.57
LOG TOP : 11.43
LOG BOTTOM : 173.00
CASING OD : 13.3
CASING BOTTOM : 3.04
CASING TYPE : HWY
BOREHOLE FLUID : WATER
RM TEMPERATURE :
MUD RES :
WITNESSED BY : JGN
RECORDED BY : J. SINKWICH
REMARKS 1 :
REMARKS 2 :
ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS



TOOL CALIBRATION QBR 7594 08/07/05 23:48
TOOL 9410A
SERIAL NUMBER 377

DATE	TIME	SENSOR	STANDARD	API-GR	RESPONSE
1	Dec19,03 17:08:45	GAMMA	20.000	[API-GR]	5.00 [CPS]
2	Dec19,03 16:08:45	GAMMA	275.000	[API-GR]	140.00 [CPS]
3	Mar16,04 16:33:35	VOLTAGE	Default	[CPS]	Default [CPS]
4	Mar16,04 16:33:49	VOLTAG	341.000	[MV]	1830.00 [CPS]
5	Mar16,04 16:34:03	CUR1	Default	[CPS]	Default [CPS]
6	Mar16,04 16:34:18	CUR2	2135.000	[UA]	18740.00 [CPS]
7	Mar16,04 16:34:31	CUR3	Default	[CPS]	Default [CPS]
8	Mar16,04 16:34:48	CUR4	2135.000	[UA]	19170.00 [CPS]
9	Mar16,04 16:34:18	CUR5	Default	[CPS]	Default [CPS]
10	Mar16,04 16:34:31	CUR6	2135.000	[UA]	17360.00 [CPS]
11	Mar16,04 16:34:48	CUR7	Default	[CPS]	Default [CPS]
12	Mar16,04 17:09:48	CALIPER	15.240	[UA]	13950.00 [CPS]
13	Mar16,04 17:09:48	CALIPER	20.320	[INCH]	10944.00 [CPS]
14	Mar16,04 17:09:48	CALIPER	25.400	[INCH]	13890.00 [CPS]



TOOL CALIBRATION QBR 7594 08/07/05 23:10
 TOOL 9139A1
 SERIAL NUMBER 963

DATE	TIME	SENSOR	STANDARD	RESPONSE
Apr14,04	15:57:31	GAMMA	0.000 [API-GR]	6.00 [CPS]
Apr14,04	15:57:31	GAMMA	331.000 [API-GR]	488.00 [CPS]
Apr14,04	15:57:37	VOLTAGE	0.000 [MV]	5095.00 [CPS]
Apr14,04	15:57:37	VOLTAGE	1740.210 [MV]	142354.00 [CPS]
Apr14,04	17:20:00	CALIPER	7.850 [INCH]	90360.00 [CPS]
Apr14,04	17:20:00	CALIPER	3.850 [INCH]	52980.00 [CPS]
Nov29,04	21:17:27	DEN(LS)	1.106 [G/CC]	9557.00 [CPS]
Nov29,04	21:17:27	DEN(LS)	2.612 [G/CC]	573.00 [CPS]
Nov29,04	21:18:07	DEN(SS)	1.106 [G/CC]	16034.00 [CPS]
Nov29,04	21:18:07	DEN(SS)	2.612 [G/CC]	5131.00 [CPS]
May08,05	11:26:04	CALIPER	7.620 [INCH]	47838.00 [CPS]
May08,05	11:26:04	CALIPER	25.400 [INCH]	79160.00 [CPS]
Apr14,04	15:58:08	CURRENT	0.000 [UA]	4640.00 [CPS]
Apr14,04	15:58:08	CURRENT	249.000 [UA]	37608.00 [CPS]
Apr14,04	15:58:28	TEMP	170.000 [DEG F]	95500.00 [CPS]
Apr14,04	15:58:28	TEMP	68.000 [DEG F]	50541.00 [CPS]



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QBR 7594

GAMMA - NEUTRON

COMPANY : NORTHERN ENERGY MINING INC
 WELL : QBR 7594
 FIELD : ROMANI MTR
 MUNICIPALITY : TUMBLER RIDGE
 PROVINCE : BRITISH COLUMBIA

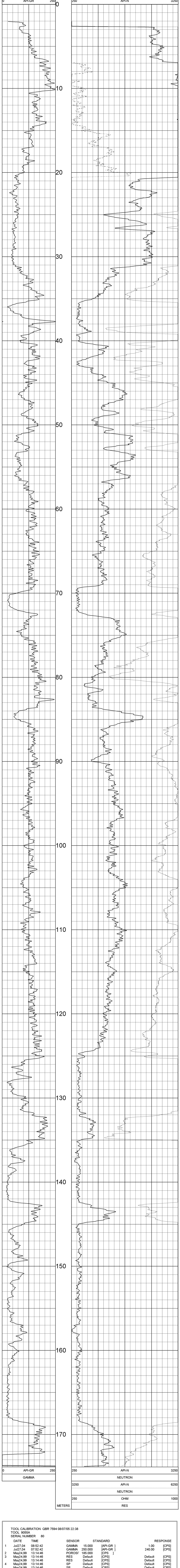
OTHER SERVICES:
 9555
 9139
 9410

LOCATION :
 SECTION :
 TOWNSHIP :
 RANGE :
 APN NO. :
 UNIQUE WELL ID :

PERMANENT DATUM : GL
 LOG MEASURED FROM : GL
 DRL MEASURED FROM : GL
 ELEVATION RB :
 ELEVATION DF :
 ELEVATION GL :

DATE : 08/07/05
 RUN NO. : 1
 DEPTH DRILLER :
 BRIT SIZE : 11.43
 LOG TOP : 2.05
 LOG BOTTOM : -173.81

CASING OD : 13.3
 CASING BOTTOM : 3.04
 CASING TYPE : HW
 BOREHOLE FLUID : WATER
 RM TEMPERATURE :
 MUD RES :
 WITNESSED BY : RON
 RECORDED BY : J. SHKACH
 REMARKS 1 :
 REMARKS 2 :



TOOL CALIBRATION QBR 7594 08/07/05 22:38
 TOOL 9055A
 SERIAL NUMBER 80

DATE	TIME	SENSOR	STANDARD	RESPONSE
1	Jul27,04 08:52:42	GAMMA	15.000 [API-GR]	1.00 [CPS]
1	Jul27,04 07:52:42	GAMMA	250.000 [API-GR]	240.00 [CPS]
2	May24,99 13:14:46	POROSI	185.000 [CPS]	
3	May24,99 13:14:46	RES	Default [CPS]	Default [CPS]
3	May24,99 13:14:46	SP	Default [CPS]	Default [CPS]
4	May24,99 13:14:46	RES	Default [CPS]	Default [CPS]
4	May24,99 13:14:46	SP	Default [CPS]	Default [CPS]
5	May21,04 19:23:23	NEUTROI	Default [CPS]	Default [CPS]
5	May21,04 19:23:23	NEUTRC	271.000 [API-N]	185.00 [CPS]
6	Feb20,02 17:17:55	TEMP	51.000 [DEG F]	1104.00 [CPS]
6	Feb20,02 17:17:55	TEMP	95.200 [DEG F]	450.00 [CPS]

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS

COMPANY	NORTHERN ENERGY MINING INC	OTHER SERVICES:	
WELL	QBR 7594	9055	
FIELD	ROMANI MTN	9139	
MUNICIPALITY	TUMBLER RIDGE	9410	
PROVINCE	BRITISH COLUMBIA		

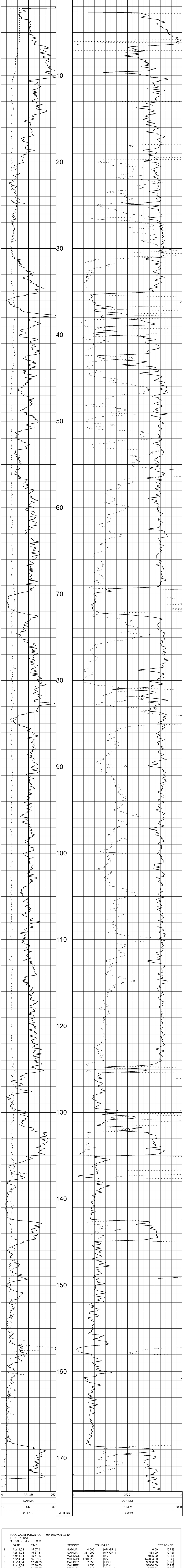
LOCATION	
SECTION	
TOWNSHIP	
RANGE	
RPT NO.	

UNIQUE WELL ID	
PERMANENT DATUM	GL
LOG MEASURED FROM GL	ELEVATION NB:
DEL MEASURED FROM GL	ELEVATION DF:
	ELEVATION GL:

DATE	08/07/05
RUN NO.	2
DEPTH DRILLER	1737
BIT SIZE	11.43
LOG TOP	-1.01
LOG BOTTOM	-173.83

CASING OD	-13.3
CASING BOTTOM	3.04
CASING TYPE	HW
BOREHOLE FLUID	WATER
RM TEMPERATURE	
MUD RES	
WITNESSED BY	J. SIMKOWICH
RECORDED BY	
REMARKS 1	
REMARKS 2	

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS.

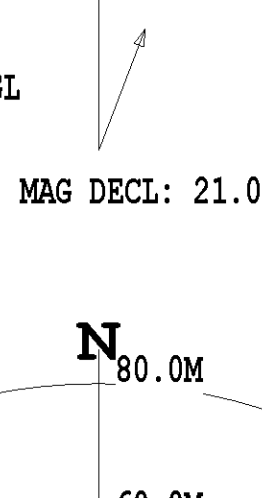


TOOL CALIBRATION QBR 7594 08/07/05 23:10
TOOL 9139A1
SERIAL NUMBER 963

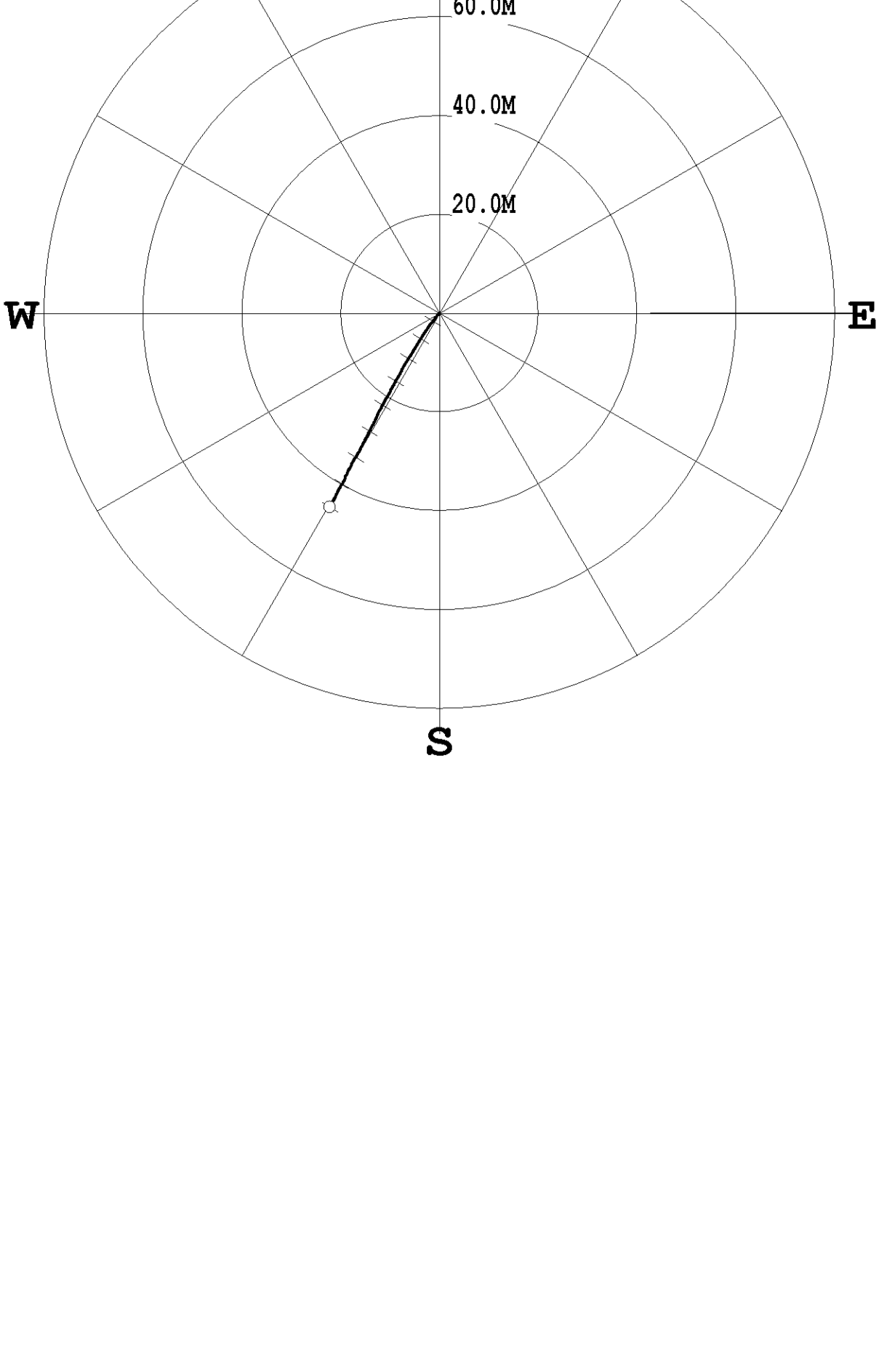
DATE	TIME	SENSOR	STANDARD	RESPONSE
1	Apr14,04 15:57:31	GAMMA	0.000 [API-GR]	6.00 [CPS]
1	Apr14,04 15:57:31	GAMMA	331.000 [API-GR]	488.00 [CPS]
1	Apr14,04 15:57:37	VOLTAGE	0.000 [MV]	5095.00 [CPS]
1	Apr14,04 15:57:37	VOLTAGE	1740.210 [MV]	142354.00 [CPS]
3	Apr14,04 17:20:00	CALIPER	7.850 [INCH]	90360.00 [CPS]
4	Apr14,04 17:20:00	CALIPER	3.850 [INCH]	52980.00 [CPS]
4	Nov29,04 21:17:27	DEN(LS)	1.106 [G/CC]	9557.00 [CPS]
4	Nov29,04 21:17:27	DEN(LS)	2.612 [G/CC]	573.00 [CPS]
5	Nov29,04 21:18:07	DEN(SS)	1.106 [G/CC]	16034.00 [CPS]
5	Nov29,04 21:18:07	DEN(SS)	2.612 [G/CC]	5131.00 [CPS]
6	May08,05 11:26:04	CALIPER	7.620 [INCH]	47838.00 [CPS]
6	May08,05 11:26:04	CALIPER	25.400 [INCH]	79160.00 [CPS]
7	Apr14,04 15:58:08	CURRENT	0.000 [UA]	4640.00 [CPS]
7	Apr14,04 15:58:08	CURRENT	249.000 [UA]	37608.00 [CPS]
8	Apr14,04 15:58:28	TEMP	170.000 [DEG F]	95500.00 [CPS]
8	Apr14,04 15:58:28	TEMP	68.000 [DEG F]	50541.00 [CPS]

PLAN VIEW COMPU-LOG DEVIATION

CLIENT: NORTHERN ENERGY MINING INC
LOCATION: ROMAN MTN
HOLE ID: RH TR 2005 - 1 70 DEGREE ANGL
DATE OF LOG: 07/09/05
PROBE: 9055A 80



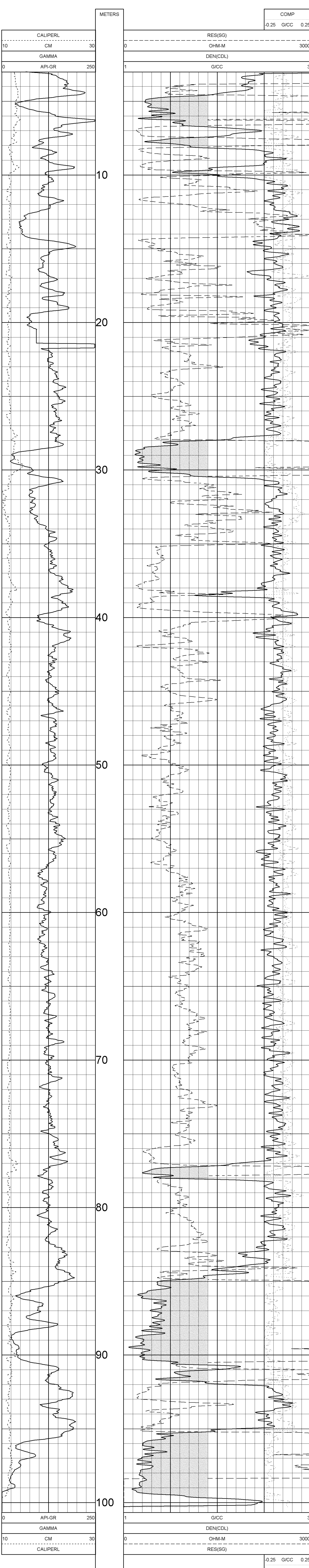
SCALE: 10 M/CM
TRUE DEPTH: 88.10 M
AZIMUTH: 209.6
DISTANCE: 45.0 M
+ = 10 M INCR
o = BOTTOM OF HOLE



COMPANY	NORTHERN ENERGY MINING INC	OTHER SERVICES:	9055 9139
WELL	RH TR 2005 - 1 70 DEGREE ANGL		
FIELD	ROMAN MTN		
MUNICIPALITY	TUMBLER RIDGE		
PROVINCE	BRITISH COLUMBIA		
LOCATION			
SECTION			
TOWNSHIP			
RANGE			
API NO.			
UNIQUE WELL ID.			

PERMANENT DATUM	GL	ELEVATION RB:	
LOG MEASURED FROM GL		ELEVATION DF:	
DRL MEASURED FROM GL		ELEVATION GL:	
DATE	07/09/05		
RUN NO.	2		
DEPTH DRILLER	120		
BIT SIZE	11.43		
LOG TOP	0.88		
LOG BOTTOM	100.34		
CASING OD	10.2		
CASING BOTTOM	3.04		
CASING TYPE			
BOREHOLE FLUID	GEL		
RM TEMPERATURE			
MUD RES			
WITNESSED BY	RON		
RECORDED BY	T. BOOS		
REMARKS 1	DRILLER JUSTIN		
REMARKS 2			

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS



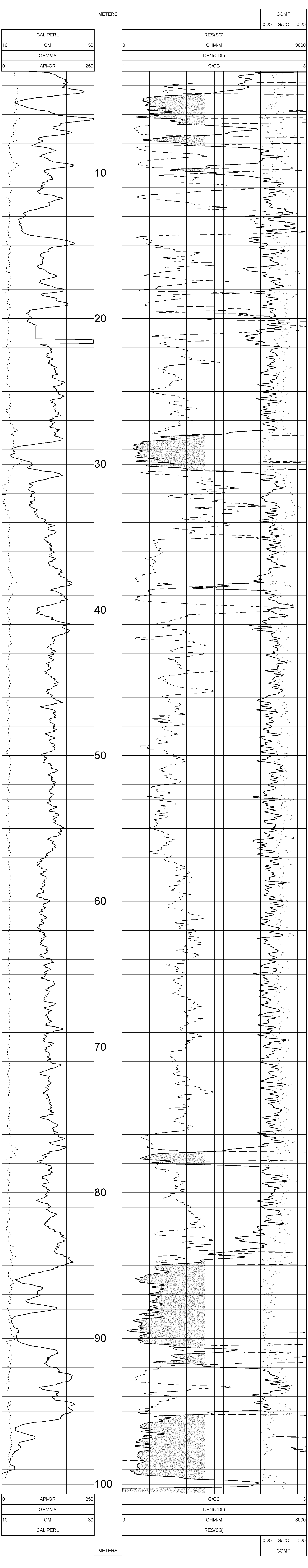
TOOL CALIBRATION RH TR 2005 - 1 70 DEGREE ANGL 07/09/05 14:02
 TOOL 9139A1
 SERIAL NUMBER 963

DATE	TIME	SENSOR	STANDARD	RESPONSE
Apr14,04	15:57:31	GAMMA	0.000 [API-GR]	6.00 [CPS]
Apr14,04	15:57:31	GAMMA	331.000 [API-GR]	488.00 [CPS]
Apr14,04	15:57:37	VOLTAGE	0.000 [MV]	5095.00 [CPS]
Apr14,04	15:57:37	VOLTAGE	1740.210 [MV]	142354.00 [CPS]
Apr14,04	17:20:00	CALIPER	7.850 [INCH]	90360.00 [CPS]
Apr14,04	17:20:00	CALIPER	3.850 [INCH]	52980.00 [CPS]
Nov29,04	21:17:27	DEN(LS)	1.106 [G/CC]	9557.00 [CPS]
Nov29,04	21:17:27	DEN(LS)	2.612 [G/CC]	573.00 [CPS]
Nov29,04	21:18:07	DEN(SS)	1.106 [G/CC]	16034.00 [CPS]
Nov29,04	21:18:07	DEN(SS)	2.612 [G/CC]	5131.00 [CPS]
May08,05	11:26:04	CALIPERL	7.620 [INCH]	47938.00 [CPS]
May08,05	11:26:04	CALIPERL	25.400 [INCH]	79160.00 [CPS]
Apr14,04	15:58:08	CURRENT	0.000 [UA]	4640.00 [CPS]
Apr14,04	15:58:08	CURRENT	249.000 [UA]	37608.00 [CPS]
Apr14,04	15:58:28	TEMP	170.000 [DEG F]	95500.00 [CPS]
Apr14,04	15:58:28	TEMP	68.000 [DEG F]	50541.00 [CPS]

COMPANY	NORTHERN ENERGY MINING INC	OTHER SERVICES:	9055 9139
WELL	RH TR 2005 - 1 70 DEGREE ANGL		
FIELD	ROMAN MTN		
MUNICIPALITY	TUMBLER RIDGE		
PROVINCE	BRITISH COLUMBIA		
LOCATION			
SECTION			
TOWNSHIP			
RANGE			
API NO.			
UNIQUE WELL ID.			

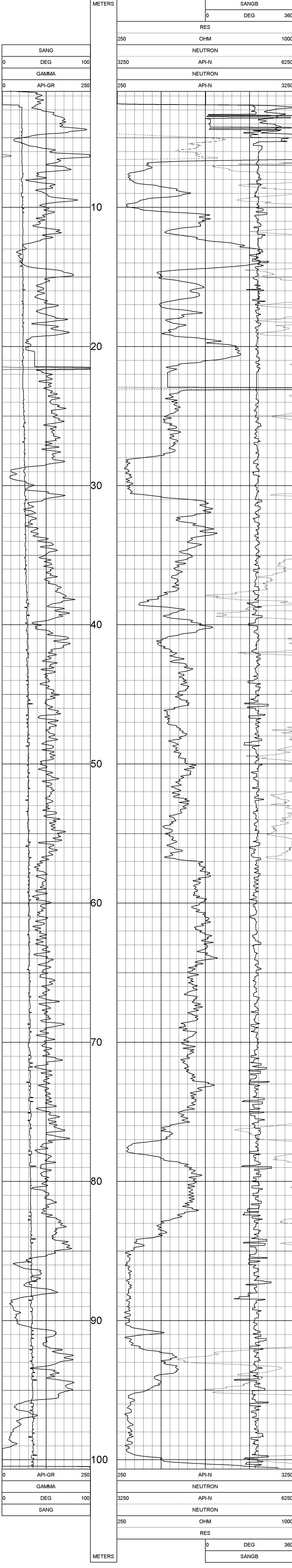
PERMANENT DATUM	GL	ELEVATION RB:	
LOG MEASURED FROM GL		ELEVATION DF:	
DRL MEASURED FROM GL		ELEVATION GL:	
DATE	07/09/05		
RUN NO.	2		
DEPTH DRILLER	120		
BIT SIZE	11.43		
LOG TOP	0.88		
LOG BOTTOM	100.63		
CASING OD	10.2		
CASING BOTTOM	3.04		
CASING TYPE			
BOREHOLE FLUID	GEL		
RM TEMPERATURE			
MUD RES			
WITNESSED BY	RON		
RECORDED BY	T. BOOS		
REMARKS 1	DRILLER JUSTIN		
REMARKS 2			

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS



TOOL CALIBRATION RH TR 2005 - 1 70 DEGREE ANGL 07/09/05 14:02
 TOOL 9139A1
 SERIAL NUMBER 963

DATE	TIME	SENSOR	STANDARD	RESPONSE
Apr14,04	16:57:31	GAMMA	0.000 [API-GR]	6.00 [CPS]
Apr14,04	15:57:31	GAMMA	331.000 [API-GR]	488.00 [CPS]
Apr14,04	15:57:37	VOLTAGE	0.000 [MV]	5095.00 [CPS]
Apr14,04	15:57:37	VOLTAGE	1740.210 [MV]	142354.00 [CPS]
Apr14,04	17:20:00	CALIPER	7.850 [INCH]	90360.00 [CPS]
Apr14,04	17:20:00	CALIPER	3.850 [INCH]	52980.00 [CPS]
Nov29,04	21:17:27	DEN(LS)	1.106 [G/CC]	9557.00 [CPS]
Nov29,04	21:17:27	DEN(LS)	2.612 [G/CC]	573.00 [CPS]
Nov29,04	21:18:07	DEN(SS)	1.106 [G/CC]	16034.00 [CPS]
Nov29,04	21:18:07	DEN(SS)	2.612 [G/CC]	5131.00 [CPS]
May08,05	11:26:04	CALIPERL	7.620 [INCH]	47938.00 [CPS]
May08,05	11:26:04	CALIPERL	25.400 [INCH]	79160.00 [CPS]
Apr14,04	15:58:08	CURRENT	0.000 [UA]	4640.00 [CPS]
Apr14,04	15:58:08	CURRENT	249.000 [UA]	37608.00 [CPS]
Apr14,04	15:58:28	TEMP	170.000 [DEG F]	95500.00 [CPS]
Apr14,04	15:58:28	TEMP	68.000 [DEG F]	50541.00 [CPS]



TOOL CALIBRATION RH TR 2005 - 1 70 DEGREE ANGL 07/09/05 13:34
TOOL 9055A
SERIAL NUMBER 80

	DATE	TIME	SENSOR	STANDARD	RESPONSE
1	Jul27,04	08:52:42	GAMMA	15.000 [API-GR]	1.00 [CPS]
2	Jul27,04	07:52:42	GAMMA	250.000 [API-GR]	240.00 [CPS]
3	May24,99	13:14:46	POROSI	185.000 [CPS]	
4	May24,99	13:14:46	RES	Default [CPS]	Default [CPS]
5	May24,99	13:14:46	RES	Default [CPS]	Default [CPS]
6	May24,99	13:14:46	SP	Default [CPS]	Default [CPS]
7	May21,04	19:23:23	SP	Default [CPS]	Default [CPS]
8	May21,04	19:23:23	NEUTROI	Default [CPS]	Default [CPS]
9	May21,04	19:23:23	NEUTRC	271.000 [API-N]	185.00 [CPS]
10	Feb20,02	17:17:55	TEMP	51.000 [DEG F]	1104.00 [CPS]
11	Feb20,02	17:17:55	TEMP	95.200 [DEG F]	450.00 [CPS]



**GAMMA - CALIPER - RESISTIVITY
DENSITY - SHORT SPACE**

Century-geo.com
RH TR 2005 - 1 70 DEGREE ANGL

COMPANY: NORTHERN ENERGY MINING INC
WELL: RH TR 2005 - 1 70 DEGREE ANGL
FIELD: ROMAN MTN
MUNICIPALITY: TUMBLER RIDGE
PROVINCE: BRITISH COLUMBIA

OTHER SERVICES:
9055
9139

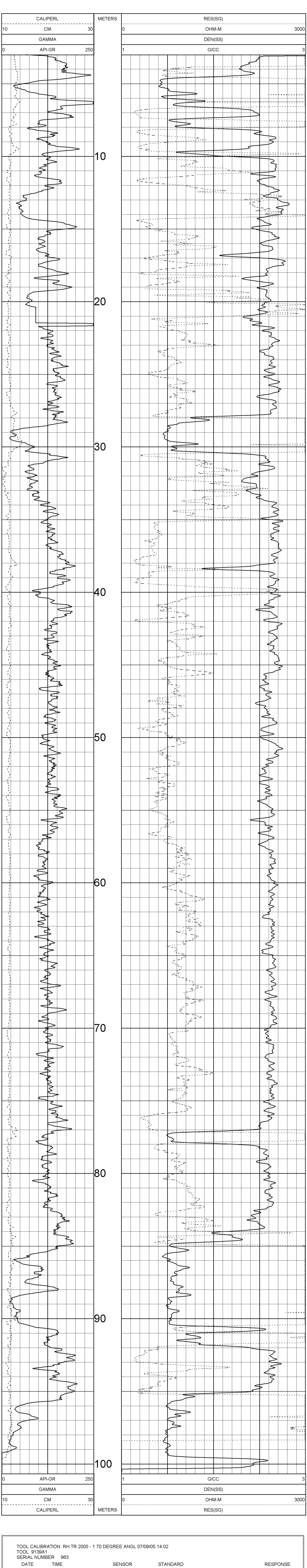
SECTION:
TOWNSHIP:
RANGE:
API NO.:
UNIQUE WELL ID:
PERMANENT DATUM: SL
LOG MEASURED FROM GL:
DRI MEASURED FROM SL:
DATE: 30/09/05

ELEVATION KB:
ELEVATION DF:
ELEVATION GL:

RUN NO.: 2
DEPTH DRILLER: 120
BIT SIZE: 11.43
LOG TOP: 0.68
LOG BOTTOM: 100.63
CASING OD: 10.2
CASING BOTTOM: 3.04
CASING TYPE:
BOREHOLE FLUID: GEL
RM TEMPERATURE:
MUD RES:
WITNESSED BY: RON
RECORDED BY: J. BOOS
DRILLER JUSTIN

REMARKS 1:
REMARKS 2:

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS



TOOL CALIBRATION RH TR 2005 - 1 70 DEGREE ANGL 07/09/05 14:02
TOOL 9139A1
SERIAL NUMBER 963

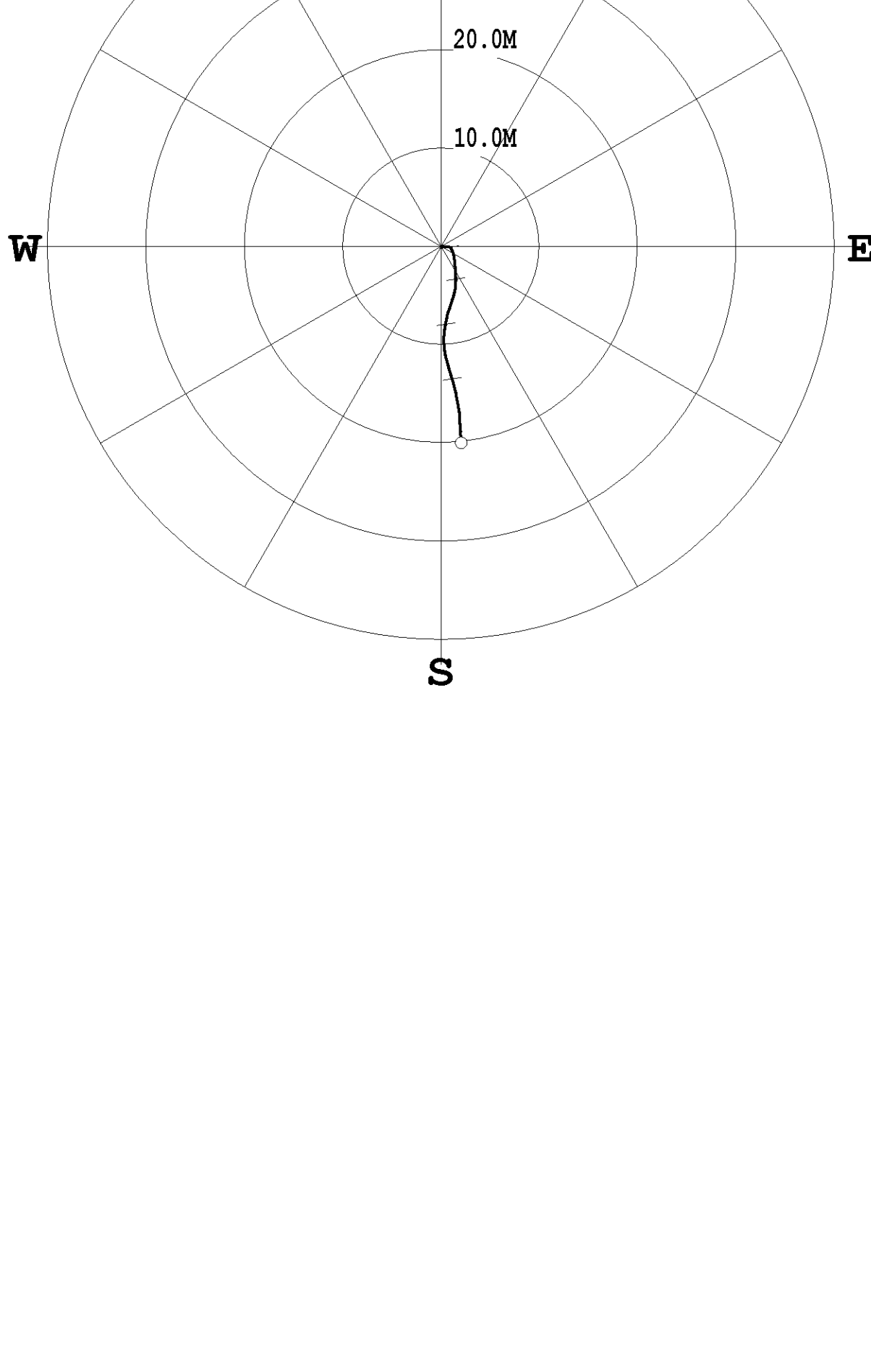
DATE	TIME	SENSOR	STANDARD	RESPONSE
1	Apr14, 04	15:57:31	GAMMA	0.000 [API-GR] 6.00 [CPS]
2	Apr14, 04	15:57:31	GAMMA	331.000 [API-GR] 488.00 [CPS]
3	Apr14, 04	15:57:37	VOLTAGE	0.000 [MV] 5095.00 [CPS]
4	Apr14, 04	15:57:37	VOLTAGE	1740.210 [MV] 142354.00 [CPS]
5	Apr14, 04	17:20:00	CALIPER	7.850 [INCH] 90360.00 [CPS]
6	Apr14, 04	17:20:00	CALIPER	3.850 [INCH] 52980.00 [CPS]
7	Nov29, 04	21:17:27	DEN(LS)	1.106 [G/CC] 9557.00 [CPS]
8	Nov29, 04	21:17:27	DEN(LS)	2.612 [G/CC] 573.00 [CPS]
9	Nov29, 04	21:18:07	DEN(SS)	1.106 [G/CC] 16034.00 [CPS]
10	Nov29, 04	21:18:07	DEN(SS)	2.612 [G/CC] 5131.00 [CPS]
11	May08, 05	11:26:04	CALIPERL	7.620 [INCH] 47938.00 [CPS]
12	Apr14, 04	15:58:08	CALIPERL	25.400 [INCH] 79160.00 [CPS]
13	Apr14, 04	15:58:08	CURRENT	0.000 [UA] 4640.00 [CPS]
14	Apr14, 04	15:58:08	CURRENT	249.000 [UA] 37608.00 [CPS]
15	Apr14, 04	15:58:28	TEMP	170.000 [DEG F] 95500.00 [CPS]
16	Apr14, 04	15:58:28	TEMP	68.000 [DEG F] 50541.00 [CPS]

PLAN VIEW COMPU-LOG DEVIATION

CLIENT: NORTHERN ENERGY MINING INC
LOCATION: ROMAN MTN
HOLE ID: RH TR 2005 - 2
DATE OF LOG: 07/09/05
PROBE: 9055A 80

MAG DECL: 21.0

SCALE: 5 M/CM
TRUE DEPTH: 233.63 M
AZIMUTH: 174.1
DISTANCE: 20.1 M
+ = 50 M INCR
○ = BOTTOM OF HOLE

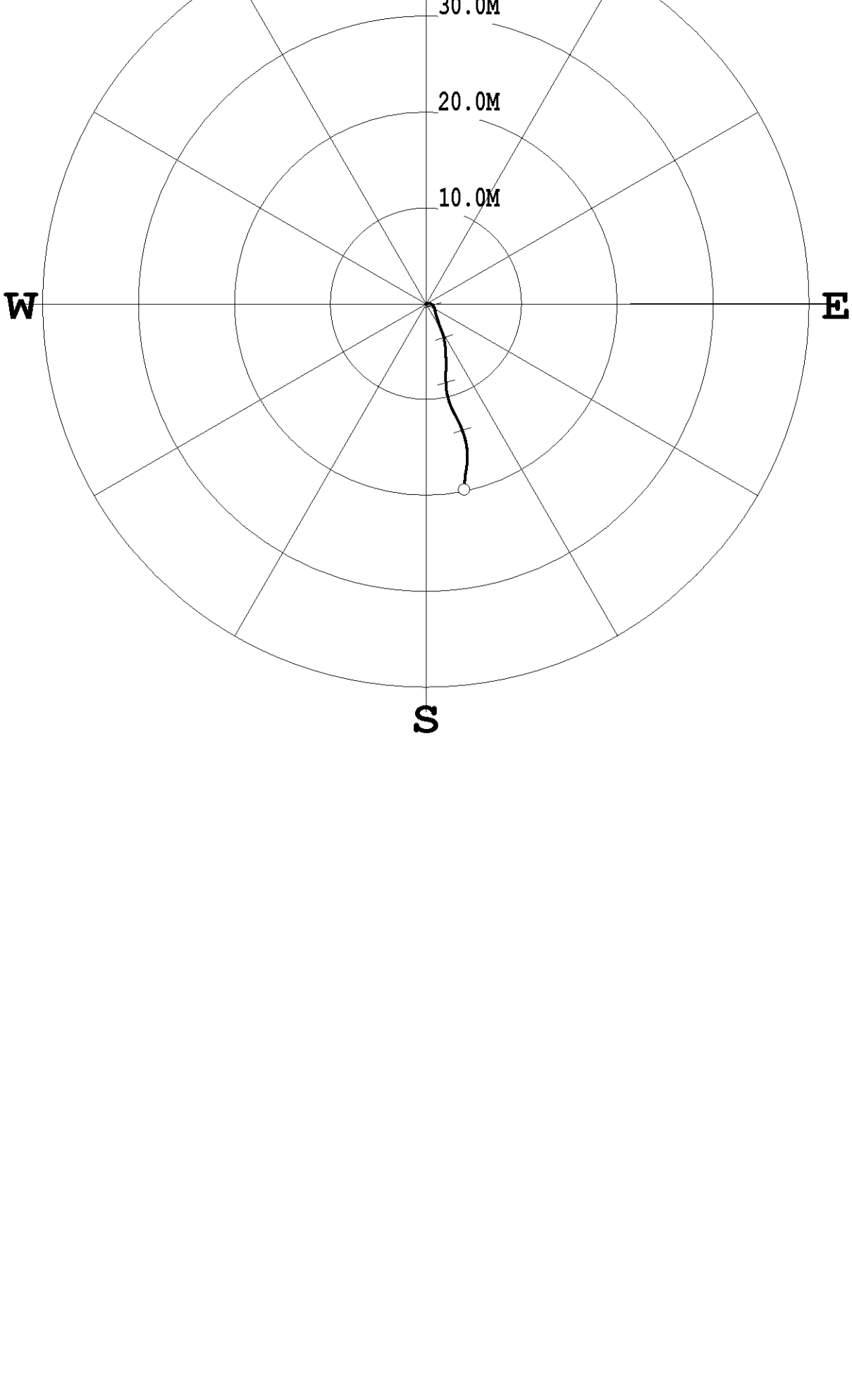


PLAN VIEW COMPU-LOG DEVIATION

CLIENT: NORTHERN ENERGY MINING INC
LOCATION: ROMAN MTN
HOLE ID: RH TR 2005 - 2
DATE OF LOG: 07/09/05
PROBE: 9410A 377

MAG DECL: 21.0

SCALE: 5 M/CM
TRUE DEPTH: 232.73 M
AZIMUTH: 168.4
DISTANCE: 19.8 M
+ = 50 M INCR
○ = BOTTOM OF HOLE



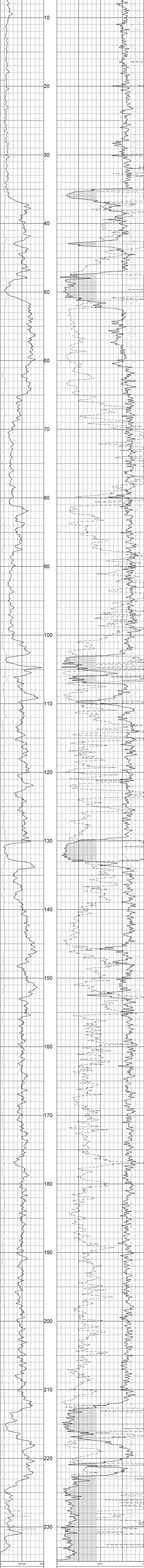
century_geo.com
COMPANY: NORTHERN ENERGY MINING INC
WELL: RH TR 2005 - 2
FIELD: ROMAN MTH
MUNICIPALITY: TIMBLER RIDGE
PROVINCE: BRITISH COLUMBIA
OTHER SERVICES:
8933
9470

LOCATION: SECTION: TOMASHIP
TOWNSHIP: KANGAR
PARISH: AYRHO
UNIQUE WELL ID: PERMANENT DATUM: G1
ELEVATION NB: ELEVATION OF:
LOG MEASURED FROM G1: ELEVATION G1:

RUN NO.: 2
DATE: 07/09/05
DEPTH DRILLER: 241.4
BIT SIZE: 11.43
LOG TOP: 1.35
LOG BOTTOM: 235.90

CASING OD: 102
CASING BOTTOM: 214
CORING TYPE: 214
CORING FLUID: GEL
RM TEMPERATURE:
MWD RES: FOU
WITNESSED BY:
RECORDED BY: T BOOS
REMARKS 1:
REMARKS 2:

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS



TOOL CALIBRATION RH TR 2005 - 2 07/09/05 10:32

DATE	TIME	SENSOR	STANDARD	RESPONSE
Apr14_04	15:57:31	GAMMA	0.000 [API-GR]	0.00 [CPS]
Apr14_04	15:57:31	GAMMA	331.000 [API-GR]	488.00 [CPS]
Apr14_04	15:57:37	VOLTAGE	0.000 [MV]	5095.00 [CPS]
Apr14_04	15:57:37	VOLTAGE	1740.210 [MV]	142354.00 [CPS]
Apr14_04	17:20:00	CALIPER	7.850 [INCH]	90380.00 [CPS]
Apr14_04	17:20:00	CALIPER	3.850 [INCH]	62980.00 [CPS]
Nov29_04	21:17:27	DEN(LS)	1.106 [GICC]	9557.00 [CPS]
Nov29_04	21:17:27	DEN(LS)	2.612 [GICC]	573.00 [CPS]
Nov29_04	21:18:07	DEN(SS)	1.106 [GICC]	16034.00 [CPS]
Nov29_04	21:18:07	DEN(SS)	2.612 [GICC]	5131.00 [CPS]
May08_05	11:26:04	CALIPERL	7.620 [INCH]	47938.00 [CPS]
May08_05	11:26:04	CALIPERL	25.400 [INCH]	79160.00 [CPS]
Apr14_04	15:58:08	CURRENT	0.000 [UA]	4640.00 [CPS]
Apr14_04	15:58:08	CURRENT	249.000 [UA]	37608.00 [CPS]
Apr14_04	15:58:28	TEMP	170.000 [DEG F]	95500.00 [CPS]
Apr14_04	15:58:28	TEMP	68.000 [DEG F]	50541.00 [CPS]

COMPANY: NORTHERN ENERGY MINING INC
WELL: RH TR 2005 - 2
FIELD: ROMAN MTR
MUNICIPALITY: BRITISH COLUMBIA
PROVINCE: BRITISH COLUMBIA

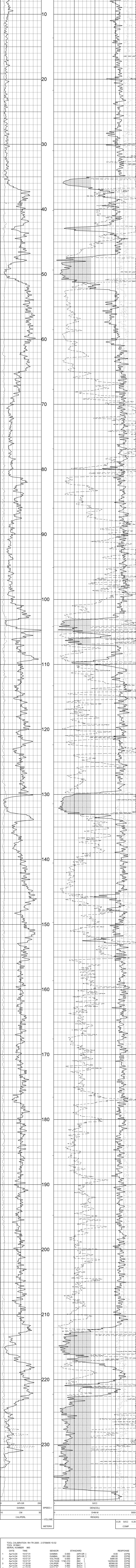
LOCATION: SECTION: TOMASHIP
PAGE: 4110
UNIT WELL ID: PERMANENT DATUM: GL
ELEVATION NB: ELEVATION DF: ELEVATION GL:

LOGS MEASURED FROM: GL
DATE: 07/09/05

RUN NO: 2
DEPTH DRELLER: 241.4
BIT SIZE: 11.43
LOG TOP: 1.35
LOG BOTTOM: 228.84

CASING OD: 102
CASING BOTTOM: 314
CASING TYPE: 3/4
SCHEDULE FLUID: 3/4
WELL TEMPERATURE: 3/4
MWD MESS: 3/4
RECORDED BY: T BOOS
REMARKS 1:
REMARKS 2:

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS



TOOL CALIBRATION RH TR 2005 - 2 07/09/05 10.32
TOOL 9139A1
SERIAL NUMBER 963

DATE	TIME	SENSOR	STANDARD	RESPONSE
1	Apr14.04 15:57:31	GAMMA	331.000 [API-GR]	6.00 [CPS]
2	Apr14.04 15:57:31	GAMMA	0.000 [API-GR]	488.00 [CPS]
3	Apr14.04 15:57:37	VOLTAGE	0.000 [MV]	5095.00 [CPS]
4	Apr14.04 17:20:00	VOLTAGE	1740.210 [MV]	142354.00 [CPS]
5	Apr14.04 17:20:00	CALIPER	7.850 [INCH]	90360.00 [CPS]
6	Nov29.04 21:17:27	CALIPER	3.850 [INCH]	52680.00 [CPS]
7	Nov29.04 21:17:27	DEN(LS)	1.106 [G/CC]	957.00 [CPS]
8	Nov29.04 21:17:27	DEN(LS)	2.612 [G/CC]	573.00 [CPS]
9	Nov29.04 21:18:07	DEN(SS)	1.106 [G/CC]	16034.00 [CPS]
10	Nov29.04 21:18:07	DEN(SS)	2.612 [G/CC]	5151.00 [CPS]
11	May08.05 11:26.04	CALIPERL	7.620 [INCH]	47938.00 [CPS]
12	May08.05 11:26.04	CALIPER	25.400 [INCH]	79160.00 [CPS]
13	Apr14.04 15:58:08	CURRENT	0.000 [UA]	4640.00 [CPS]
14	Apr14.04 15:58:08	CURRENT	240.000 [UA]	37608.00 [CPS]
15	Apr14.04 15:58:28	TEMP	170.000 [DEG F]	95500.00 [CPS]
16	Apr14.04 15:58:28	TEMP	68.000 [DEG F]	50541.00 [CPS]

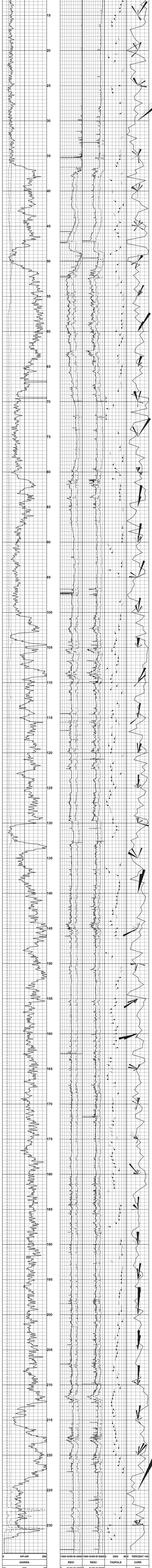


DIPMETER
RH TR 2005 - 2

century-geo.com
COMPANY: NORTHERN ENERGY MINING INC
WELL: RH TR 2005 - 2
FIELD: ROMA MTN
MUNICIPALITY: TUNABLER RIDGE
PROVINCE: BRITISH COLUMBIA
OTHER SERVICES: 5655 9139

LOCATION: SECTION: ELEVATION (M)
TOWNSHIP: ELEVATION (M)
RANGE: ELEVATION (M)
UNIQUE WELL ID: ELEVATION (M)
PERMANENT DATUM: G.L.
LOG MEASURED FROM G.L.: ELEVATION (M)
DATE MEASURED FROM G.L.: ELEVATION (M)
DATE: 02/08/05
RUN NO.: 3
DEPTH DRILLER: 241.4
BIT SIZE: 11.43

LOG TOP: 8.08
LOG BOTTOM: 234.00
CASING BOTTOM: 132
CASING TYPE: 3.04
ROSBOLD FLUID: GEL
M TEMPERATURE: GEL
MUD RES: FION
WITNESSED BY: J. BOOS
RECORDED BY: J. BOOS
REMARKS 1:
REMARKS 2: ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS.



TOOL CALIBRATION RH TR 2005 - 2 07/09/05 11:32
TOOL 9410A
SERIAL NUMBER 377

DATE	TIME	SENSOR	STANDARD	RESPONSE
1	Dec19.03 17:08:45	GAMMA	20.000 [API-GR]	5.00 [CPS]
1	Dec19.03 16:08:45	GAMMA	275.000 [API-GR]	140.00 [CPS]
2	Mar16.04 16:33:35	VOLTAG	Default [CPS]	Default [CPS]
2	Mar16.04 16:33:35	VOLTAG	341.000 [MV]	1830.00 [CPS]
3	Mar16.04 16:33:49	CUR1	Default [UA]	Default [CPS]
3	Mar16.04 16:33:49	CUR1	2135.000 [UA]	18740.00 [CPS]
4	Mar16.04 16:34:03	CUR2	Default [UA]	Default [CPS]
4	Mar16.04 16:34:03	CUR2	2135.000 [UA]	19170.00 [CPS]
5	Mar16.04 16:34:18	CUR3	Default [UA]	Default [CPS]
5	Mar16.04 16:34:18	CUR3	2135.000 [UA]	17360.00 [CPS]
6	Mar16.04 16:34:31	CUR4	Default [UA]	Default [CPS]
6	Mar16.04 16:34:31	CUR4	2135.000 [UA]	13950.00 [CPS]
7	Mar16.04 17:09:48	CALIPER	15.240 [INCH]	10944.00 [CPS]
7	Mar16.04 17:09:48	CALIPER	20.320 [INCH]	13890.00 [CPS]



GEOPHYSICAL CORP.

GAMMA - CALIPER - RESISTIVITY
DENSITY - LONG SPACE
RH TR 2005 - 2

centur-geo.com

COMPANY: NORTHERN ENERGY MINING INC
WELL: RH TR 2005 - 2
FIELD: ROMAN MTN
MUNICIPALITY: TUMBLER RIDGE
PROVINCE: BRITISH COLUMBIA

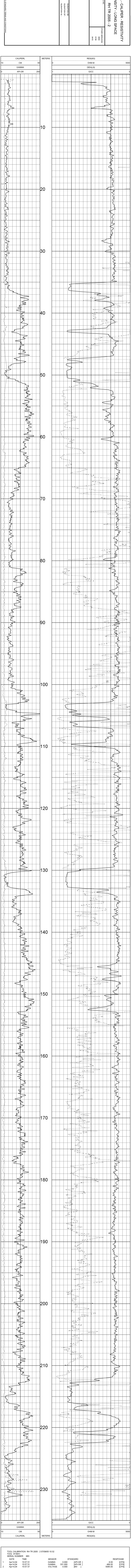
OTHER SERVICES:
9556
9139
9410

LOCATION: SECTION: TOWNSHIP: RANGE: ARND: UNOIL WELL ID: PERMANENT DATUM: GL: LOG MEASURED FROM: GL: ELEVATION (M): ELEVATION (F):

RUN NO: 2
DEPTH DILLER: 241.4
BIT SIZE: 11.43
LOG TOP: 1.35
LOG BOTTOM: 255.00

LOG BOTTOM: 255.00
Casing OD: 112
Casing Bottom: 3.04
Casing Type: GEL
Solehole Fluid: GEL
RM Temperature: NOT
WMO Res: NOT
Witnessed By: J BOOS
Recorded By: J BOOS
Remarks 1:
Remarks 2:

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS



TOOL CALIBRATION RH TR 2005 - 2 07/09/05 10:32

DATE	TIME	SENSOR	STANDARD	RESPONSE
1	Apr14.04 15:57:31	GAMMA	0.000 [API-GR]	6.00 [CPS]
1	Apr14.04 15:57:31	GAMMA	331.000 [API-GR]	488.00 [CPS]
2	Apr14.04 15:57:37	VOLTAGE	0.000 [MV]	5095.00 [CPS]
3	Apr14.04 15:57:37	VOLTAGE	1740.210 [MV]	142354.00 [CPS]
4	Apr14.04 17:20:00	CALIPER	7.850 [INCH]	50360.00 [CPS]
4	Apr14.04 17:20:00	CALIPER	3.850 [INCH]	52980.00 [CPS]
5	Nov29.04 21:17:27	DEN(LS)	1.106 [GICC]	9557.00 [CPS]
5	Nov29.04 21:17:27	DEN(LS)	2.612 [GICC]	573.00 [CPS]
5	Nov29.04 21:18:07	DEN(SS)	1.106 [GICC]	16034.00 [CPS]
5	Nov29.04 21:18:07	DEN(SS)	2.612 [GICC]	5131.00 [CPS]
6	May06.05 11:26:04	CALIPERL	7.620 [INCH]	47938.00 [CPS]
7	Apr14.04 15:58:08	CALIPERL	25.400 [INCH]	79160.00 [CPS]
8	Apr14.04 15:58:08	CURRENT	0.000 [UA]	4640.00 [CPS]
8	Apr14.04 15:58:08	CURRENT	249.000 [UA]	37608.00 [CPS]
7	Apr14.04 15:58:28	TEMP	170.000 [DEG F]	95500.00 [CPS]
8	Apr14.04 15:58:28	TEMP	68.000 [DEG F]	50541.00 [CPS]



century-geo.com

WELL: RH TR 2005 - 2

FIELD: ROMAN MIN

MUNICIPALITY: TUMBER RIDGE

PROVINCE: BRITISH COLUMBIA

LOCATION: SECTION: RANGE: AMNO

UNIQUE WELL ID:

PERMANENT PLATON: GL

LOGS MEASURED FROM: GL

DATE: 30/08/05

RUN NO.: 1

DEPTH DRIILLER: 241.4

BIT SIZE: 9.6

LOGS TOP: 237

LOGS BOTTOM: 236.90

CASING OD: 102

CASING BOTTOM: 3.04

CASING TYPE:

ROSBUILD FLUID: GEL

WELL TEMPERATURE:

WDM RES:

WDM RES BY:

RECORDED BY: J. BOOS

REMARKS 1:

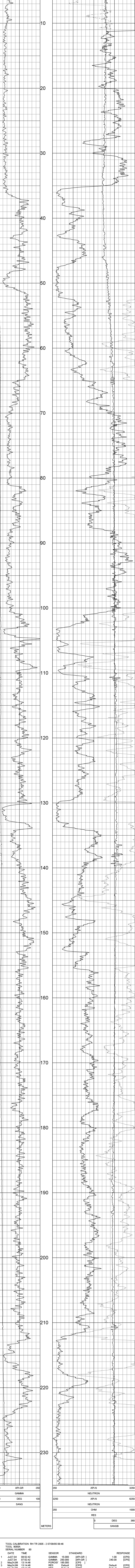
REMARKS 2:

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS

GAMMA - NEUTRON

RH TR 2005 - 2

OTHER SERVICES: 8139 8139 8410



DATE	TIME	SENSOR	STANDARD	RESPONSE
1	Jul/27/04 08:52:42	GAMMA	15.000 [API-GR]	1.00 [CPS]
2	Jul/27/04 07:52:42	GAMMA	250.000 [API-GR]	240.00 [CPS]
3	May/24/99 13:14:46	POROSI	185.000 [CPS]	
4	May/24/99 13:14:46	RES	Default [CPS]	Default [CPS]
5	May/24/99 13:14:46	SP	Default [CPS]	Default [CPS]
6	May/21/04 19:23:23	NEUTRO	Default [CPS]	Default [CPS]
	May/21/04 19:23:23	NEUTRO	271.000 [API-N]	185.00 [CPS]
	Feb/20/02 17:17:55	TEMP	51.000 [DEG F]	104.00 [CPS]
	Feb/20/02 17:17:55	TEMP	95.200 [DEG F]	450.00 [CPS]



GAMMA - CALIPER - RESISTIVITY
DENSITY - SHORT SPACE

century-geo.com
 COMPANY: NORTHERN ENERGY MINING INC
 WELL: RH TR 2005 - 2
 FIELD: ROMAN MTN
 MUNICIPALITY: TUMBLER RIDGE
 PROVINCE: BRITISH COLUMBIA

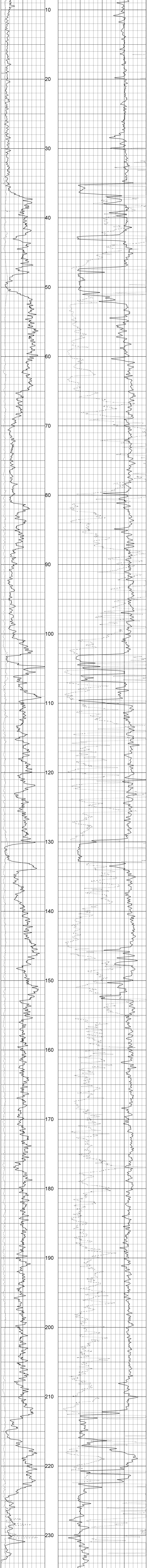
OTHER SERVICES:
 9139
 9139
 9140

LOCATION: SECTION: TOWNSHIP: RANGE: RANGE: ARND: UNIQUE WELL ID: PERMANENT DATUM: GL: ELEVATION (M): LOG MEASURED FROM: GL: ELEVATION (M): DATE: 07/20/05

RUN NO: 2
 DEPTH DILLER: 241.4
 BIT SIZE: 11.43
 LOG TOP: 1.35
 LOG BOTTOM: 255.00

CASING OD: 112
 CASING BOTTOM: 3.04
 CASING TYPE: GEL
 ROUGHOUT FLUID: ROT
 MIN TEMPERATURE: ROT
 WITNESSED BY: J BOOS
 RECORDED BY: J BOOS
 REMARKS 1:
 REMARKS 2:
 ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS

CALIPERL: 10
 CM: 30
 GAMMA: 0
 API-GR: 250



TOOL CALIBRATION RH TR 2005 - 2 07/09/05 10:32
 TOOL 9139A1
 SERIAL NUMBER 963

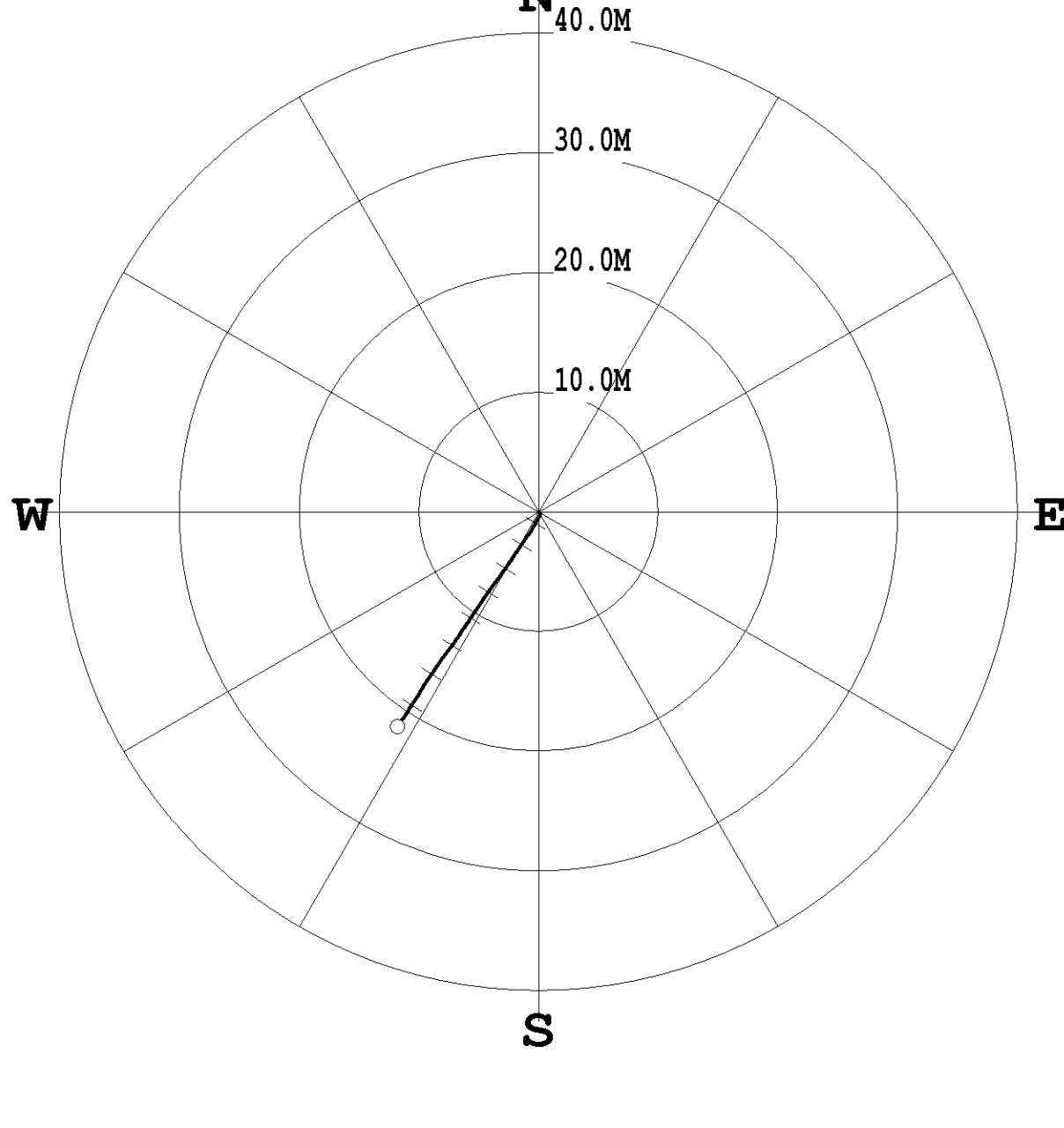
DATE	TIME	SENSOR	STANDARD	RESPONSE
1	Apr14.04 15:57:31	GAMMA	0.000 [API-GR]	6.00 [CPS]
	Apr14.04 15:57:31	GAMMA	331.000 [API-GR]	488.00 [CPS]
2	Apr14.04 15:57:37	VOLTAGE	0.000 [MV]	5095.00 [CPS]
	Apr14.04 15:57:37	VOLTAGE	1740.210 [MV]	142354.00 [CPS]
3	Apr14.04 17:20:00	CALIPER	7.850 [INCH]	50360.00 [CPS]
	Apr14.04 17:20:00	CALIPER	3.850 [INCH]	52980.00 [CPS]
4	Nov29.04 21:17:27	DEN(LS)	1.106 [G/CC]	9557.00 [CPS]
	Nov29.04 21:17:27	DEN(LS)	2.612 [G/CC]	573.00 [CPS]
5	Nov29.04 21:18:07	DEN(SS)	1.106 [G/CC]	16034.00 [CPS]
	Nov29.04 21:18:07	DEN(SS)	2.612 [G/CC]	5131.00 [CPS]
6	May06.05 11:26:04	CALIPERL	7.620 [INCH]	47938.00 [CPS]
	May06.05 11:26:04	CALIPERL	25.400 [INCH]	79160.00 [CPS]
7	Apr14.04 15:58:08	CURRENT	0.000 [UA]	4640.00 [CPS]
	Apr14.04 15:58:08	CURRENT	240.000 [UA]	37608.00 [CPS]
8	Apr14.04 15:58:28	TEMP	170.000 [DEG F]	9500.00 [CPS]
	Apr14.04 15:58:28	TEMP	68.000 [DEG F]	50541.00 [CPS]

PLAN VIEW COMPU-LOG DEVIATION

CLIENT: NORTHERN ENERGY MINING INC
LOCATION: ROMAN MTN
HOLE ID: RH TR 2005 - 3 70 DEGREE ANGL
DATE OF LOG: 07/09/05
PROBE: 9055A 80

MAG DECL: 21.0

SCALE: 5 M/CM
TRUE DEPTH: 86.98 M
AZIMUTH: 213.3
DISTANCE: 21.4 M
+ = 10 M INCR
○ = BOTTOM OF HOLE



**GAMMA - CALIPER - RESISTIVITY
COMPENSATED DENSITY**

RH TR 2005 - 3 70 DEGREE ANGL

Century-geo.com

COMPANY : NORTHERN ENERGY MINING INC
WELL : RH TR 2005 - 3 70 DEGREE ANGL
FIELD : ROMAN MTN
MUNICIPALITY : TUMBLER RIDGE
PROVINCE : BRITISH COLUMBIA

OTHER SERVICES : 9055
9139

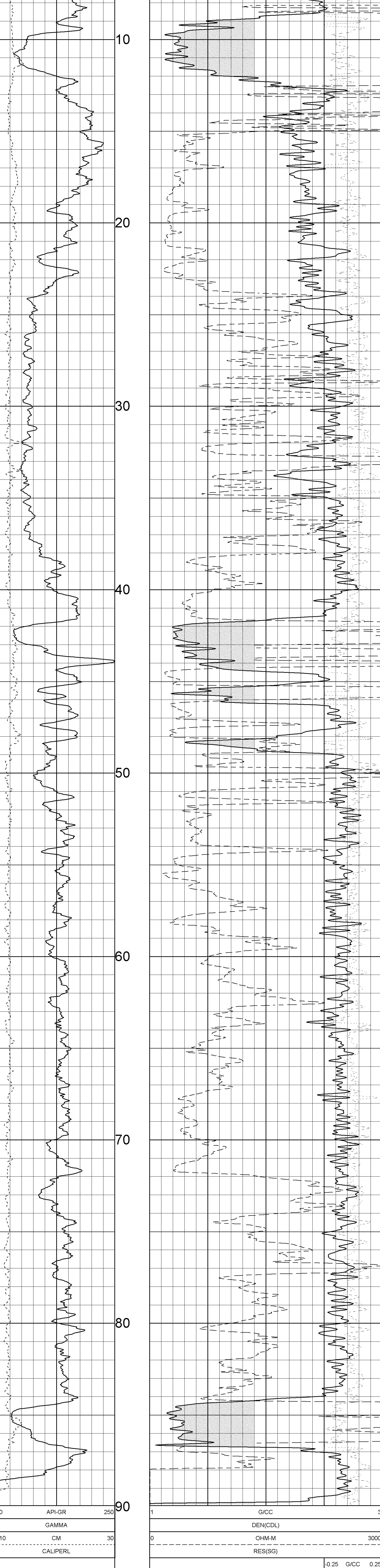
LOCATION :
SECTION :
TOWNSHIP :
RANGE :
API NO. :
UNIQUE WELL ID. :

PERMANENT DATUM : SL ELEVATION KB :
LOG MEASURED FROM : GL ELEVATION DF :
DRL MEASURED FROM : GL ELEVATION GL :

DATE : 07/09/05
RUN NO. : 2
DEPTH DRILLER : 89.91
BIT SIZE : 11.43
LOG TOP : 0.86
LOG BOTTOM : 89.89
CASING OD : 10.2
CASING BOTTOM : 3.04
CASING TYPE :
BOREHOLE FLUID : GEL
RM TEMPERATURE :
MUD RES :
WITNESSED BY : RON
RECORDED BY : T. BOOS
DRILLER : JUSTIN

REMARKS 1 :
REMARKS 2 :

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS



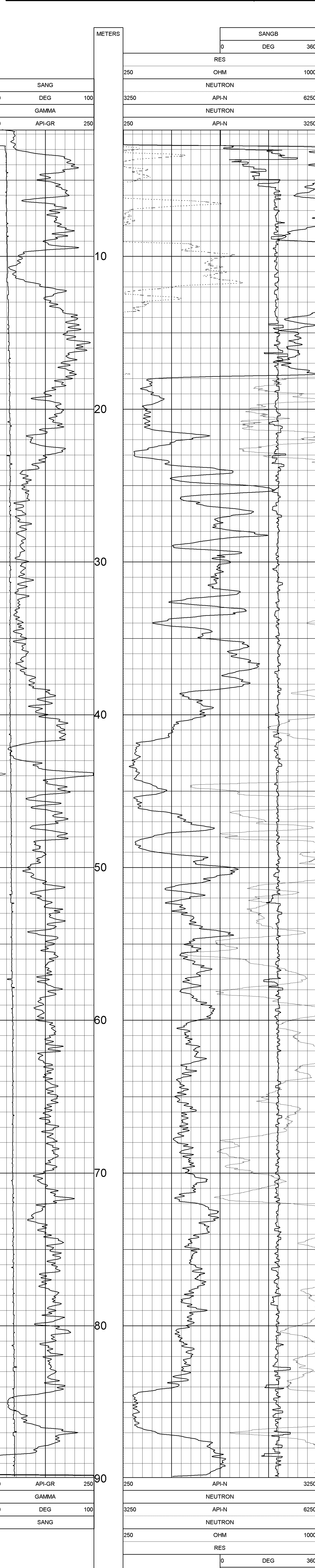
TOOL CALIBRATION RH TR 2005 - 3 70 DEGREE ANGL 07/09/05 18:00
TOOL 9139A1
SERIAL NUMBER 963

DATE	TIME	SENSOR	STANDARD	RESPONSE
1	Apr14,04 16:57:31	GAMMA	0.000 [API-GR]	6.00 [CPS]
1	Apr14,04 15:57:31	GAMMA	331.000 [API-GR]	488.00 [CPS]
2	Apr14,04 15:57:37	VOLTAGE	0.000 [MV]	5095.00 [CPS]
3	Apr14,04 15:57:37	VOLTAGE	1740.210 [MV]	142354.00 [CPS]
3	Apr14,04 17:20:00	CALIPER	7.850 [INCH]	90360.00 [CPS]
4	Apr14,04 17:20:00	CALIPER	3.850 [INCH]	52980.00 [CPS]
4	Nov29,04 21:17:27	DEN(LS)	1.106 [G/CC]	9557.00 [CPS]
5	Nov29,04 21:17:27	DEN(SS)	2.612 [G/CC]	573.00 [CPS]
5	Nov29,04 21:18:07	DEN(SS)	1.106 [G/CC]	16034.00 [CPS]
6	Nov29,04 21:18:07	DEN(SS)	2.612 [G/CC]	5131.00 [CPS]
6	May08,05 11:26:04	CALIPERL	7.620 [INCH]	47938.00 [CPS]
7	May08,05 11:26:04	CALIPERL	25.400 [INCH]	79160.00 [CPS]
7	Apr14,04 15:58:08	CURRENT	0.000 [UA]	4640.00 [CPS]
8	Apr14,04 15:58:08	CURRENT	249.000 [UA]	37608.00 [CPS]
8	Apr14,04 15:58:28	TEMP	170.000 [DEG F]	95500.00 [CPS]
8	Apr14,04 15:58:28	TEMP	68.000 [DEG F]	50541.00 [CPS]

COMPANY	NORTHERN ENERGY MINING INC	OTHER SERVICES:	9055
WELL	RH TR 2005 - 3 70 DEGREE ANGL		9139
FIELD	ROMAN MTN		
MUNICIPALITY	TUMBLER RIDGE		
PROVINCE	BRITISH COLUMBIA		

SECTION		ELEVATION KB :	
TOWNSHIP		LOG MEASURED FROM GL :	ELEVATION DF :
RANGE		DRL MEASURED FROM GL :	ELEVATION GL :
API NO.			
UNIQUE WELL ID.			
PERMANENT DATUM :	SL		
LOG MEASURED FROM GL :			
DRL MEASURED FROM GL :			
DATE	07/09/05		

RUN NO.	1
DEPTH DRILLER	89.91
BIT SIZE	11.43
LOG TOP	1.71
LOG BOTTOM	89.89
CASING OD	10.2
CASING BOTTOM	3.04
CASING TYPE	
BOREHOLE FLUID	GEL
RM TEMPERATURE	
MUD RES	RON
WITNESSED BY	JT BOOS
RECORDED BY	JT BOOS
DRILLER JUSTIN	
REMARKS 1	
REMARKS 2	

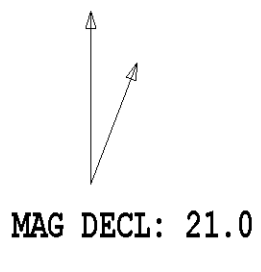


TOOL CALIBRATION RH TR 2005 - 3 70 DEGREE ANGL 07/09/05 17:34
TOOL 9055A
SERIAL NUMBER 80

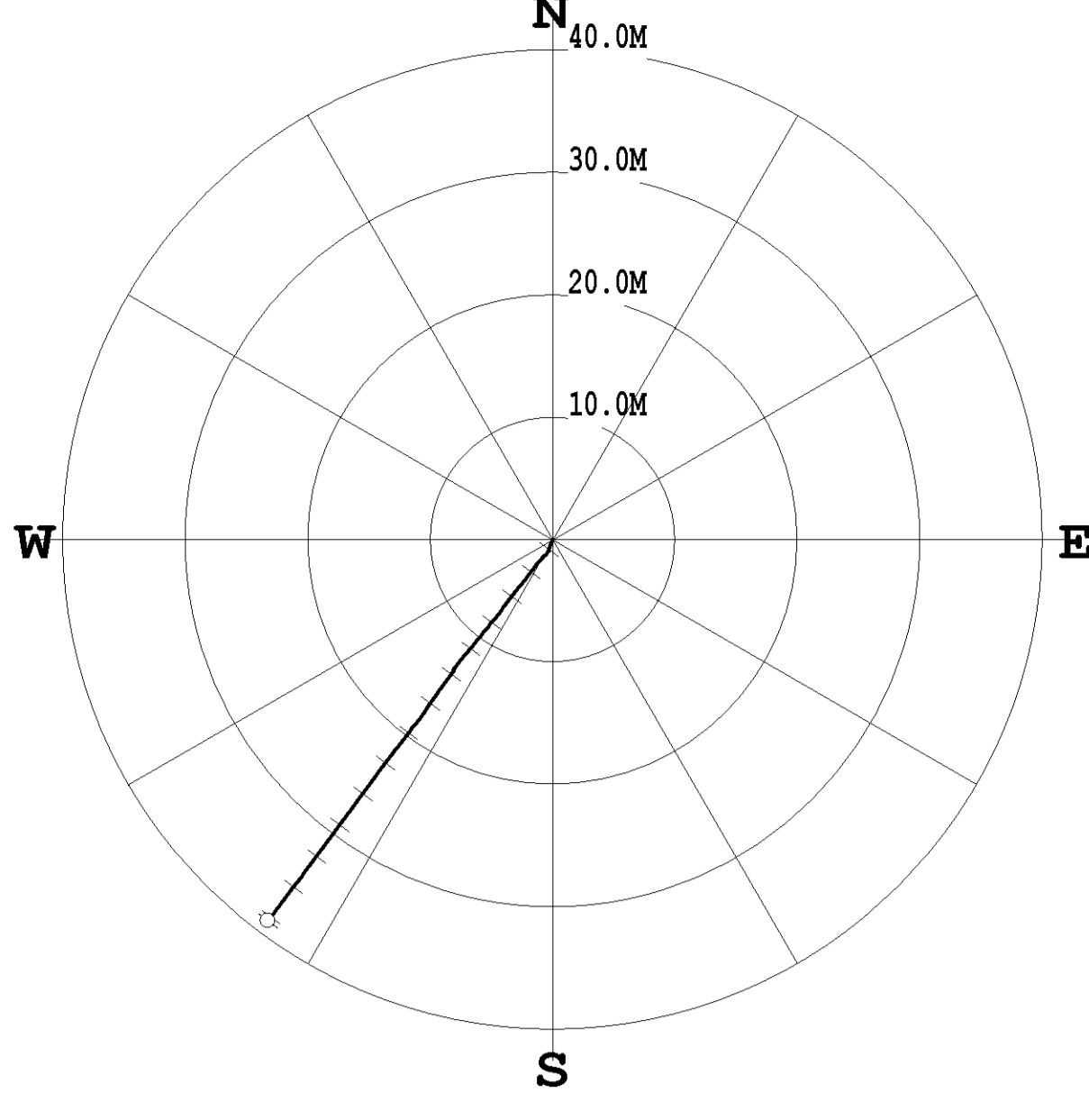
DATE	TIME	SENSOR	STANDARD	RESPONSE
1	Jul27,04 08:52:42	GAMMA	15.000 [API-GR]	1.00 [CPS]
2	Jul27,04 08:52:42	GAMMA	250.000 [API-GR]	240.00 [CPS]
3	May24,99 13:14:46	POROSI	185.000 [CPS]	Default [CPS]
4	May24,99 13:14:46	RES	Default [CPS]	Default [CPS]
5	May24,99 13:14:46	SP	Default [CPS]	Default [CPS]
6	May21,04 19:23:23	NEUTROI	Default [CPS]	Default [CPS]
7	May21,04 19:23:23	NEUTRC	271.000 [API-N]	185.00 [CPS]
8	Feb20,02 17:17:55	TEMP	51.000 [DEG F]	1104.00 [CPS]
9	Feb20,02 17:17:55	TEMP	95.200 [DEG F]	450.00 [CPS]

PLAN VIEW COMPU-LOG DEVIATION

CLIENT: NORTHERN ENERGY MINING INC
LOCATION: ROMAN MTN
HOLE ID: RH TR 2005 - 4
DATE OF LOG: 07/13/05
PROBE: 9055A 80

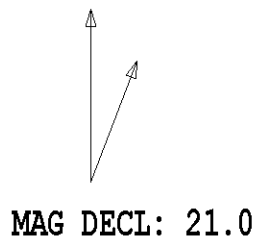


SCALE: 5 M/CM
TRUE DEPTH: 70.63 M
AZIMUTH: 216.8
DISTANCE: 38.8 M
+ = 5 M INCR
○ = BOTTOM OF HOLE

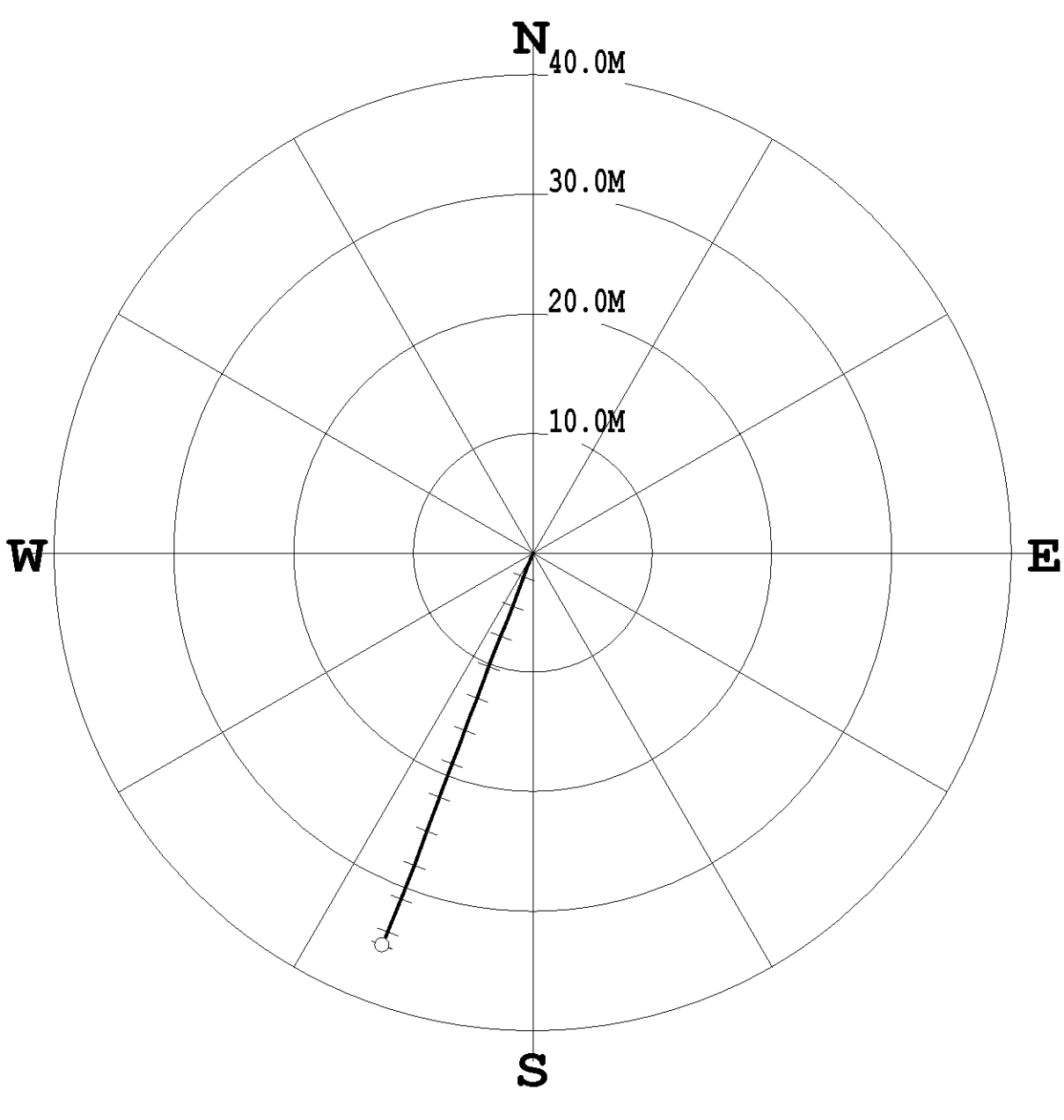


PLAN VIEW COMPU-LOG DEVIATION

CLIENT: NORTHERN ENERGY MINING INC
LOCATION: ROMAN MTN
HOLE ID: RH TR 2005 - 04
DATE OF LOG: 07/13/05
PROBE: 9410A 377



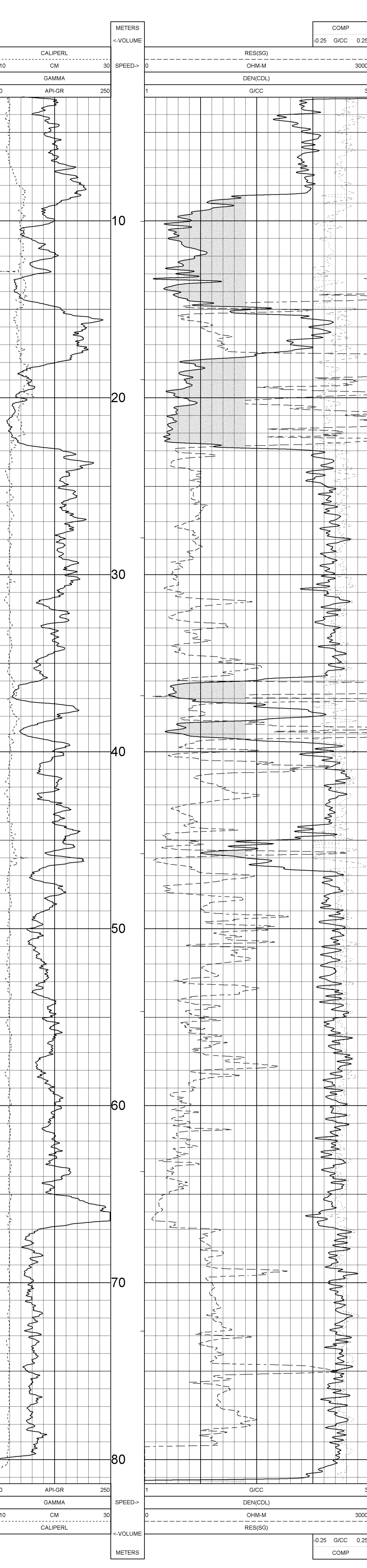
SCALE: 5 M/CM
TRUE DEPTH: 72.03 M
AZIMUTH: 201.1
DISTANCE: 35.1 M
+ = 5 M INCR
○ = BOTTOM OF HOLE



COMPANY	NORTHERN ENERGY MINING INC	OTHER SERVICES:	9055 9139
WELL	RH TR 2005 - 4		
MUNICIPALITY	TUMBLER RIDGE		
PROVINCE	BRITISH COLUMBIA		

LOCATION	:	
SECTION	:	
TOWNSHIP	:	
RANGE	:	
API NO.	:	
UNIQUE WELL ID.	:	
PERMANENT DATUM	GL	ELEVATION KB :
LOG MEASURED FROM	GL	ELEVATION DF :
DRI MEASURED FROM	GL	ELEVATION GL :
DATE	07/13/05	
RUN NO.	1	

DEPTH DRILLER	80.77
BIT SIZE	11.43
LOG TOP	0.60
LOG BOTTOM	81.31
CASING OD	10.2
CASING BOTTOM	3.04
CASING TYPE	HW
BOREHOLE FLUID	GSEL
RM TEMPERATURE	:
MUD RES	:
WITNESSED BY	RON
RECORDED BY	T. BOOS
REMARKS 1	HOLE ANGLE -65 DEGREES, AZIMUTH 200 DEGREES
REMARKS 2	:



TOOL CALIBRATION RH TR 2005 - 4 07/13/05 11:00
 TOOL 9139A1
 SERIAL NUMBER 963

DATE	TIME	SENSOR	STANDARD	RESPONSE
1	Apr14,04 16:57:31	GAMMA	0.000 [API-GR]	6.00 [CPS]
2	Apr14,04 15:57:31	GAMMA	331.000 [API-GR]	488.00 [CPS]
3	Apr14,04 15:57:37	VOLTAGE	0.000 [MV]	5095.00 [CPS]
4	Apr14,04 17:20:00	CALIPER	1740.210 [MV]	142354.00 [CPS]
5	Nov29,04 21:17:27	CALIPER	7.850 [INCH]	90360.00 [CPS]
6	Nov29,04 21:17:27	CALIPER	3.850 [INCH]	52980.00 [CPS]
7	Nov29,04 21:18:07	DEN(LS)	1.106 [G/CC]	9557.00 [CPS]
8	Nov29,04 21:18:07	DEN(SS)	2.612 [G/CC]	573.00 [CPS]
9	Nov29,04 21:18:07	DEN(SS)	1.106 [G/CC]	16034.00 [CPS]
10	Nov29,04 21:18:07	DEN(SS)	2.612 [G/CC]	5131.00 [CPS]
11	May08,05 11:26:04	CALIPERL	7.620 [INCH]	47938.00 [CPS]
12	May08,05 11:26:04	CALIPERL	25.400 [INCH]	79160.00 [CPS]
13	Apr14,04 15:58:08	CURRENT	0.000 [UA]	4640.00 [CPS]
14	Apr14,04 15:58:08	CURRENT	249.000 [UA]	37608.00 [CPS]
15	Apr14,04 15:58:28	TEMP	170.000 [DEG F]	95500.00 [CPS]
16	Apr14,04 15:58:28	TEMP	68.000 [DEG F]	50541.00 [CPS]

COMPANY : NORTHERN ENERGY MINING INC
 WELL : RH TR 2005 - 04
 FIELD : ROMAN MTN
 MUNICIPALITY : TUMBLER RIDGE
 PROVINCE : BRITISH COLUMBIA

OTHER SERVICES:
 9055
 9139
 9410

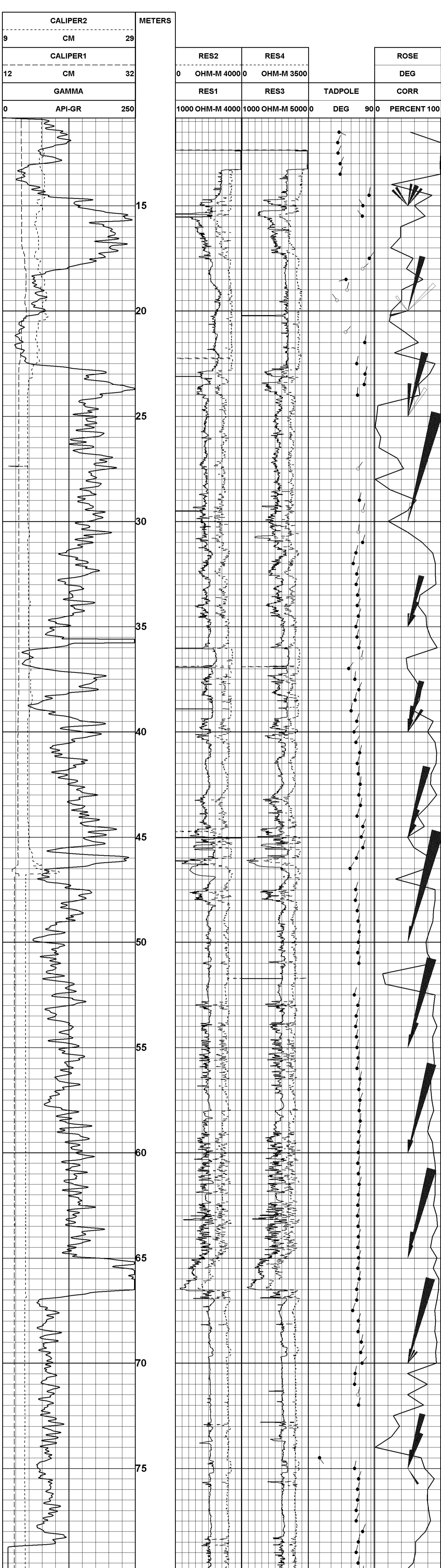
LOCATION :
 SECTION :
 TOWNSHIP :
 RANGE :
 API NO. :
 UNIQUE WELL ID. :

PERMANENT DATUM : GL
 LOG MEASURED FROM : GL
 DRL MEASURED FROM : GL
 DATE : 07/13/05
 RUN NO. : 3

ELEVATION KB :
 ELEVATION DF :
 ELEVATION GL :
 DEPTH DRILLER : 80.77
 BIT SIZE : 11.43
 LOG TOP : 10.81
 LOG BOTTOM : 80.50

CASING OD : 10.2
 CASING BOTTOM : 3.04
 CASING TYPE : HW
 BOREHOLE FLUID :
 RM TEMPERATURE :
 MUD RES :
 WITNESSED BY : RON
 RECORDED BY : T. BOOS
 REMARKS 1 : HOLE ANGLE -65 DEGREES AZIMUTH 203 DEGREES.
 REMARKS 2 :

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS



0	API-GR	250	1000 OHM-M	4000	1000 OHM-M	5000	0	DEG	90	PERCENT	100
12	GAMMA		RES1		RES3			TADPOLE		CORR	
	CM	32	0	OHM-M	4000	0	OHM-M	3500		DEG	
	CALIPER1		RES2		RES4					ROSE	
9	CM	29									
	CALIPER2										

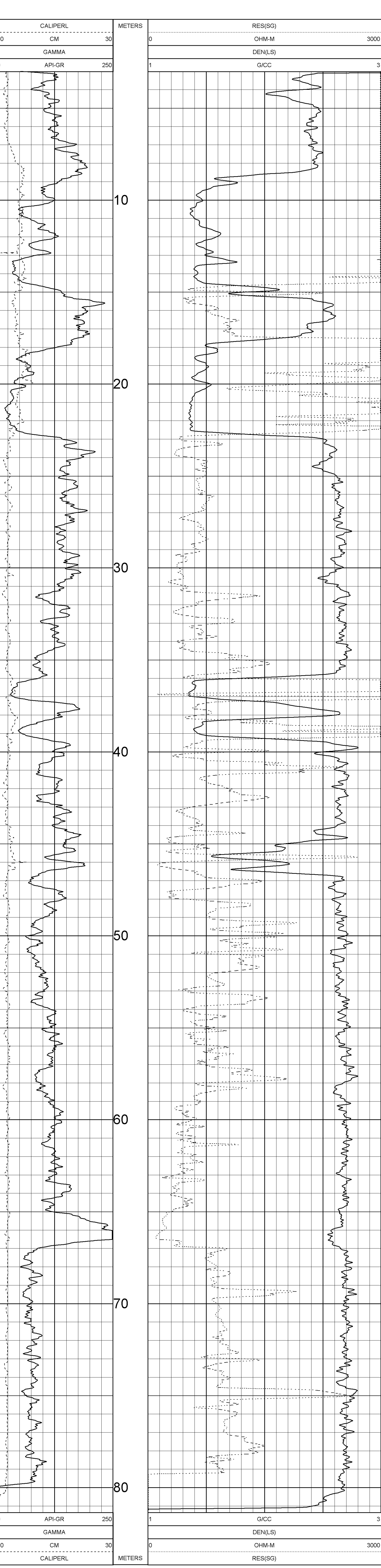
TOOL CALIBRATION RH TR 2005 - 04 07/13/05 13:56
 TOOL 9410A
 SERIAL NUMBER 377

DATE	TIME	SENSOR	STANDARD	RESPONSE
1	Dec19,03 17:08:45	GAMMA	20.000 [API-GR]	5.00 [CPS]
	Dec19,03 16:08:45	GAMMA	275.000 [API-GR]	140.00 [CPS]
2	Mar16,04 16:33:35	VOLTAGE	Default [CPS]	Default [CPS]
	Mar16,04 16:33:35	VOLTAG	341.000 [MV]	1830.00 [CPS]
3	Mar16,04 16:33:49	CUR1	Default [CPS]	Default [CPS]
	Mar16,04 16:33:49	CUR1	2135.000 [UA]	18740.00 [CPS]
4	Mar16,04 16:34:03	CUR2	Default [CPS]	Default [CPS]
	Mar16,04 16:34:03	CUR2	2135.000 [UA]	19170.00 [CPS]
5	Mar16,04 16:34:18	CUR3	Default [CPS]	Default [CPS]
	Mar16,04 16:34:18	CUR3	2135.000 [UA]	17360.00 [CPS]
6	Mar16,04 16:34:31	CUR4	Default [CPS]	Default [CPS]
	Mar16,04 16:34:31	CUR4	2135.000 [UA]	13950.00 [CPS]
7	Mar16,04 17:09:48	CALIPER	15.240 [INCH]	10944.00 [CPS]
	Mar16,04 17:09:48	CALIPER	20.320 [INCH]	13890.00 [CPS]

COMPANY	NORTHERN ENERGY MINING INC	OTHER SERVICES:	9065 9139
WELL	RH TR 2005 - 4		
FIELD	ROMAN MTN		
MUNICIPALITY	TUMBLER RIDGE		
PROVINCE	BRITISH COLUMBIA		

LOCATION		ELEVATION RB:	
SECTION		ELEVATION DF:	
TOWNSHIP		ELEVATION GL:	
RANGE			
API NO.			
UNIQUE WELL ID:			
PERMANENT DATUM:	GL		
LOG MEASURED FROM GL:			
DRL MEASURED FROM GL:			

DATE	07/13/05
RUN NO.	1
DEPTH DRILLER	80.77
BIT SIZE	11.43
LOG TOP	0.60
LOG BOTTOM	81.31
CASING OD	10.2
CASING BOTTOM	3.04
CASING TYPE	HW
BOREHOLE FLUID	GEL
RM TEMPERATURE	
MUD RES	
WITNESSED BY	RON
RECORDED BY	T. BOOS
REMARKS 1	HOLE ANGLE 46 DEGREES. AZIMUTH 203 DEGREES.
REMARKS 2	



TOOL CALIBRATION RH TR 2005 - 4 07/13/05 11:00
 TOOL 9139A1
 SERIAL NUMBER 963

DATE	TIME	SENSOR	STANDARD	RESPONSE
1	Apr14,04 15:57:31	GAMMA	0.000 [API-GR]	6.00 [CPS]
1	Apr14,04 15:57:31	GAMMA	331.000 [API-GR]	488.00 [CPS]
2	Apr14,04 15:57:37	VOLTAGE	0.000 [MV]	5095.00 [CPS]
2	Apr14,04 15:57:37	CALIPER	1740.210 [MM]	142354.00 [CPS]
3	Apr14,04 17:20:00	CALIPER	7.850 [INCH]	90360.00 [CPS]
4	Apr14,04 17:20:00	CALIPER	3.850 [INCH]	52980.00 [CPS]
4	Nov29,04 21:17:27	DEN(LS)	1.106 [G/CC]	9557.00 [CPS]
4	Nov29,04 21:17:27	DEN(SS)	2.612 [G/CC]	5131.00 [CPS]
5	Nov29,04 21:17:07	DEN(LS)	1.106 [G/CC]	16034.00 [CPS]
5	Nov29,04 21:18:07	DEN(SS)	2.612 [G/CC]	5131.00 [CPS]
6	May08,05 11:28:04	CALIPERL	7.620 [INCH]	47938.00 [CPS]
6	May08,05 11:28:04	CALIPERL	25.400 [INCH]	79160.00 [CPS]
7	Apr14,04 15:58:08	CURRENT	0.000 [UA]	4640.00 [CPS]
7	Apr14,04 15:58:08	CURRENT	249.000 [UA]	37608.00 [CPS]
8	Apr14,04 15:58:28	TEMP	170.000 [DEG F]	95500.00 [CPS]
8	Apr14,04 15:58:28	TEMP	68.000 [DEG F]	50541.00 [CPS]

COMPANY: NORTHERN ENERGY MINING INC

WELL: RH TR 2005 - 4

FIELD: ROMAN MTN

MUNICIPALITY: TUMBLER RIDGE

PROVINCE: BRITISH COLUMBIA

LOCATION:

SECTION:

TOWNSHIP:

RANGE:

API NO.:

UNIQUE WELL ID.:

PERMANENT DATUM: GL

LOG MEASURED FROM: GL

DRL MEASURED FROM: GL

DATE: 07/13/05

RUN NO.: 2

DEPTH-DRILLER: 80.77

BIT SIZE: 11.43

LOG TOP: 1.61

LOG BOTTOM: 81.31

CASING OD: 102

CASING BOTTOM: 3.04

CASING TYPE: HW

BOREHOLE FLUID: GEL

RM TEMPERATURE:

MUD RES:

WITNESSED BY: RON

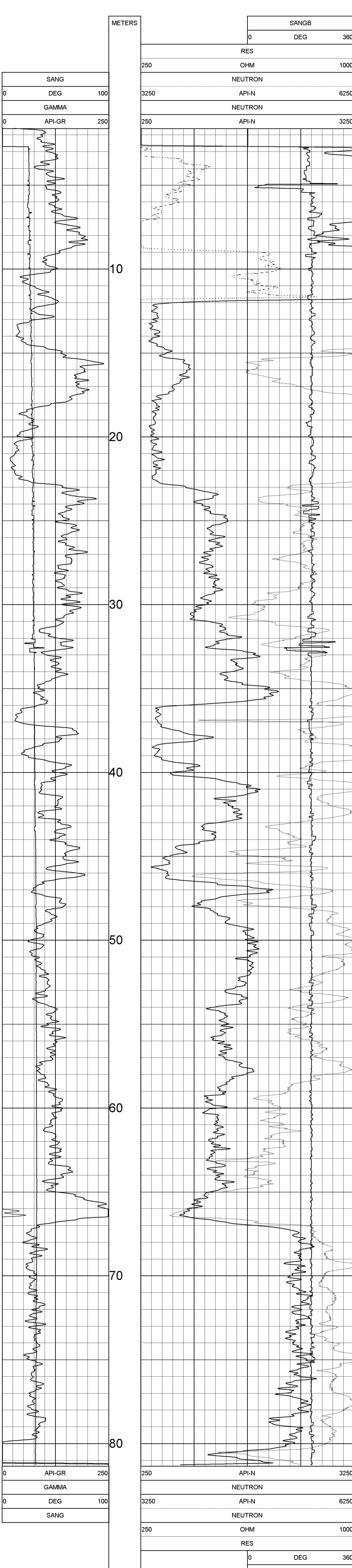
RECORDED BY: T. BOOS

REMARKS 1: HOLE ANGLE -68 DEGREES. AZIMUTH 203 DEGREES.

REMARKS 2:

OTHER SERVICES: 9055 9139

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS



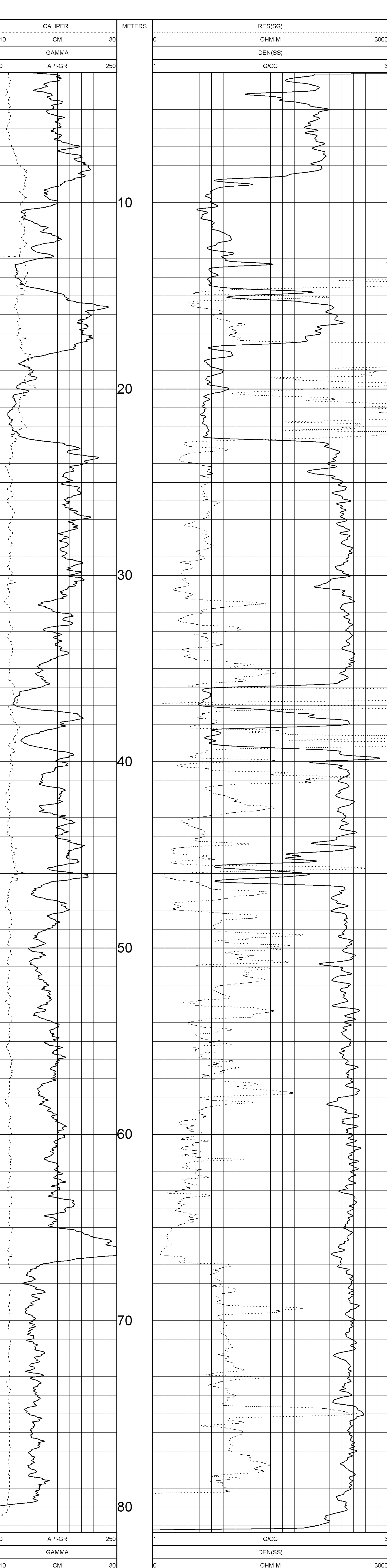
TOOL CALIBRATION RH TR 2005 - 4 07/13/05 10:36
 TOOL 9055A
 SERIAL NUMBER 80

DATE	TIME	SENSOR	STANDARD	RESPONSE
1 Jul27,04	07:52:42	GAMMA	15.000 [API-GR]	1.00 [CPS]
1 Jul27,04	07:52:42	GAMMA	250.000 [API-GR]	240.00 [CPS]
2 May24,99	13:14:46	POROSI	185.000 [CPS]	
3 May24,99	13:14:46	RES	Default [CPS]	Default [CPS]
3 May24,99	13:14:46	RES	Default [CPS]	Default [CPS]
4 May24,99	13:14:46	SP	Default [CPS]	Default [CPS]
4 May24,99	13:14:46	SP	Default [CPS]	Default [CPS]
5 May21,04	19:23:23	NEUTROI	Default [CPS]	Default [CPS]
5 May21,04	19:23:23	NEUTRC	271.000 [API-N]	185.00 [CPS]
6 Feb20,02	17:17:55	TEMP	51.000 [DEG F]	1104.00 [CPS]
6 Feb20,02	17:17:55	TEMP	95.200 [DEG F]	450.00 [CPS]

COMPANY	NORTHERN ENERGY MINING INC	OTHER SERVICES:	9065 9139
WELL	RH TR 2005 - 4		
FIELD	ROMAN MTN		
MUNICIPALITY	TUMBLER RIDGE		
PROVINCE	BRITISH COLUMBIA		

LOCATION		ELEVATION RB:	
SECTION		ELEVATION DF:	
TOWNSHIP		ELEVATION GL:	
RANGE			
API NO.			
UNIQUE WELL ID.			
PERMANENT DATUM	GL		
LOG MEASURED FROM GL			
DRL MEASURED FROM GL			

DATE	07/13/05
RUN NO.	1
DEPTH DRILLER	80.77
BIT SIZE	11.43
LOG TOP	0.60
LOG BOTTOM	81.31
CASING OD	10.2
CASING BOTTOM	3.04
CASING TYPE	H/W
BOREHOLE FLUID	GEL
RM TEMPERATURE	
MUD RES	
WITNESSED BY	RON
RECORDED BY	T. BOOS
REMARKS 1	HOLE ANGLE 46 DEGREES. AZIMUTH 203 DEGREES.
REMARKS 2	



TOOL CALIBRATION RH TR 2005 - 4 07/13/05 11:00
 TOOL 9139A1
 SERIAL NUMBER 963

DATE	TIME	SENSOR	STANDARD	RESPONSE
1	Apr14,04 15:57:31	GAMMA	0.000 [API-GR]	6.00 [CPS]
1	Apr14,04 15:57:31	GAMMA	331.000 [API-GR]	488.00 [CPS]
2	Apr14,04 15:57:37	VOLTAGE	0.000 [MV]	5095.00 [CPS]
2	Apr14,04 15:57:37	CALIPER	1740.210 [MM]	142354.00 [CPS]
3	Apr14,04 17:20:00	CALIPER	7.850 [INCH]	90360.00 [CPS]
3	Apr14,04 17:20:00	CALIPER	3.850 [INCH]	52980.00 [CPS]
4	Nov29,04 21:17:27	DEN(LS)	1.106 [G/CC]	9557.00 [CPS]
4	Nov29,04 21:17:27	DEN(SS)	2.612 [G/CC]	5131.00 [CPS]
4	Nov29,04 21:17:07	DEN(SS)	1.106 [G/CC]	16034.00 [CPS]
4	Nov29,04 21:18:07	DEN(SS)	2.612 [G/CC]	5131.00 [CPS]
5	May08,05 11:28:04	CALIPERL	7.620 [INCH]	47938.00 [CPS]
5	May08,05 11:28:04	CALIPERL	25.400 [INCH]	79160.00 [CPS]
6	Apr14,04 15:58:08	CURRENT	0.000 [UA]	4640.00 [CPS]
6	Apr14,04 15:58:08	CURRENT	249.000 [UA]	37608.00 [CPS]
7	Apr14,04 15:58:28	TEMP	170.000 [DEG F]	95500.00 [CPS]
7	Apr14,04 15:58:28	TEMP	68.000 [DEG F]	50541.00 [CPS]

COMPANY: NORTHERN ENERGY MINING INC

OTHER SERVICES:

WELL: RHTR 2005 - 5

9410

FIELD: ROMAN MTN

9057

COUNTY: TUMBLER RIDGE

9034

STATE: BRITISH COLUMBIA

LOCATION:

SECTION:

TOWNSHIP:

RANGE:

API NO.:

UNIQUE WELL ID.:

PERMANENT DATUM: GL

LOG MEASURED FROM: GL

DRL MEASURED FROM: GL

DATE: 07/19/05

DEPTH DRILLER: 87

BIT SIZE: 11.43

LOG TOP: 9.25

LOG BOTTOM: 86.65

CASING OD: 13.72

CASING BOTTOM: 9.1

CASING TYPE: HW

BOREHOLE FLUID:

RM TEMPERATURE:

MUD RES:

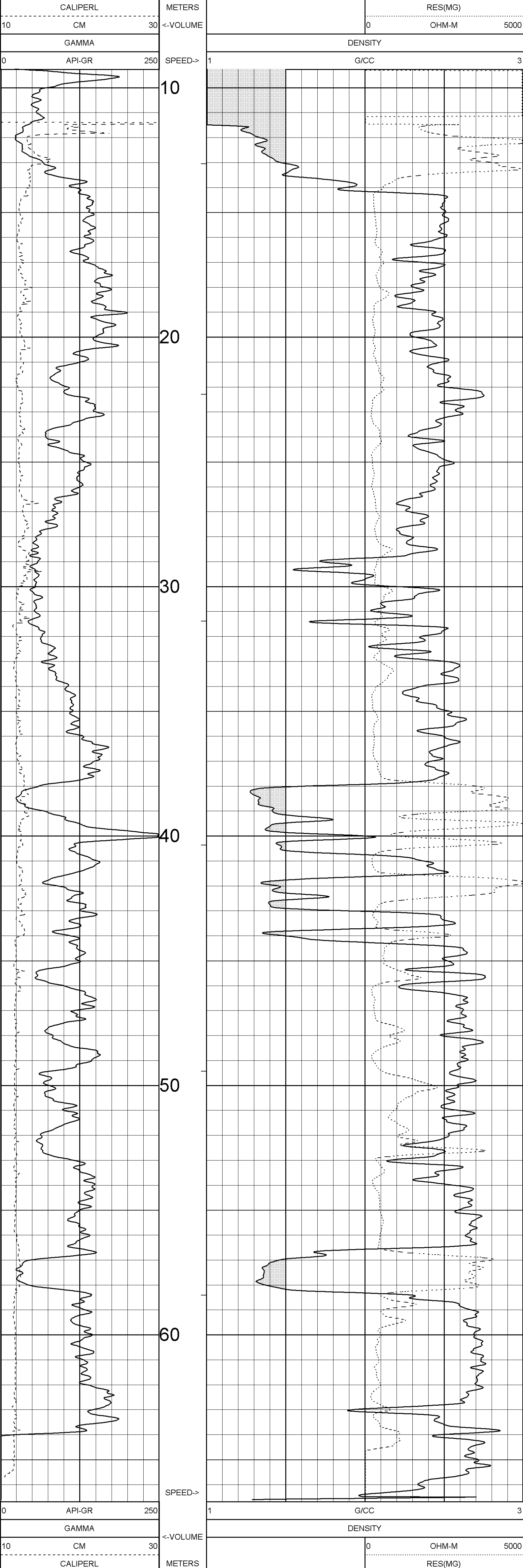
MUD WEIGHT:

RECORDED BY: J. SINKWICH

REMARKS 1:

REMARKS 2:

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS

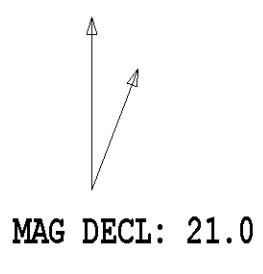


TOOL CALIBRATION RHTR 2005 - 5 07/19/05 15:43
 TOOL 9034AA1 TM VERSION 3200
 SERIAL NUMBER 483

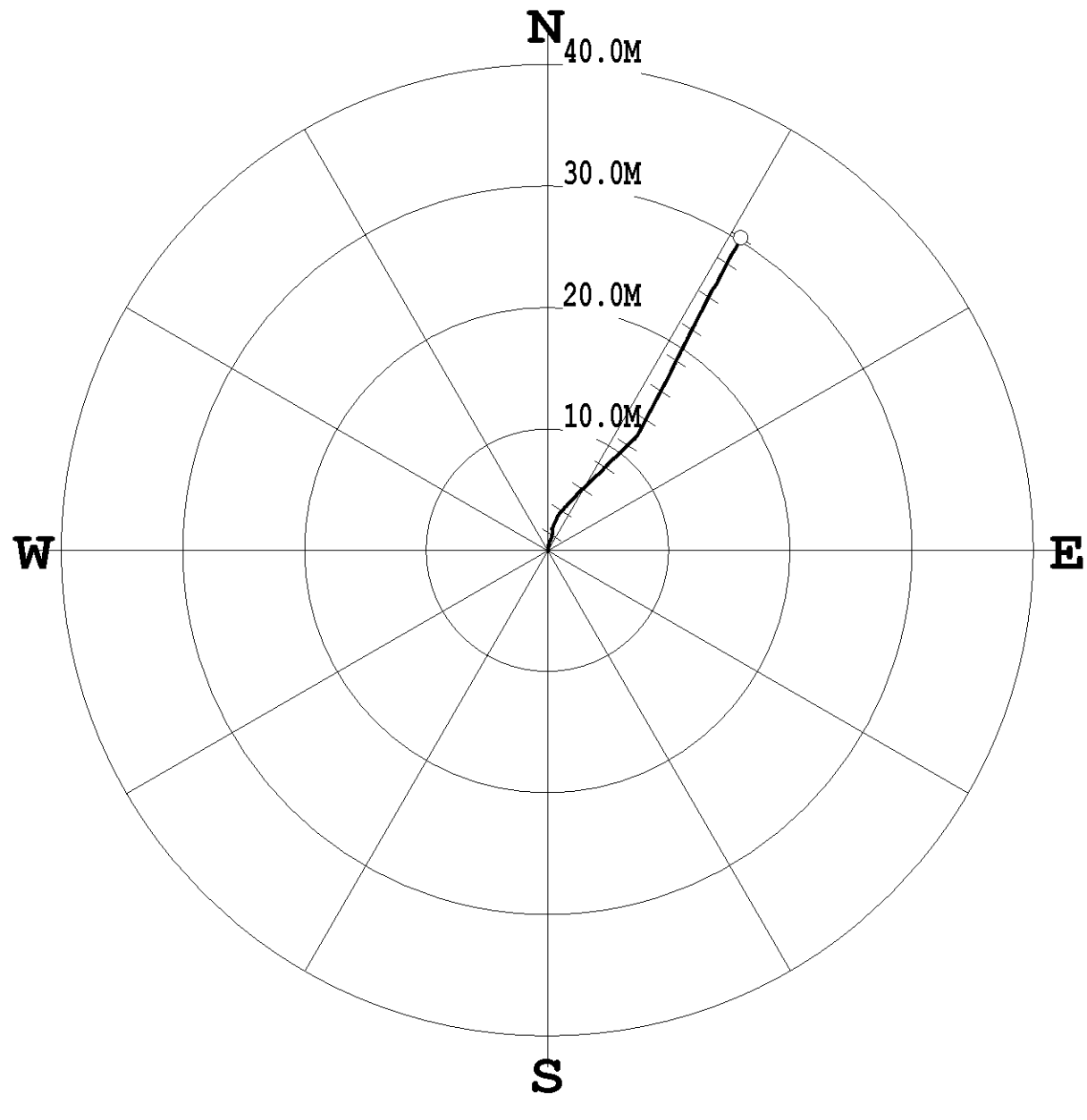
DATE	TIME	SENSOR	STANDARD	RESPONSE
1	Jul18,05 21:31:09	GAMMA	Default [CPS]	Default [CPS]
	Jul18,05 21:31:09	GAMMA	123.000 [API-GR]	223.00 [CPS]
2	Jul18,05 21:31:45	DENSITY	1.106 [G/CC]	4848.00 [CPS]
	Jul18,05 21:31:45	DENSITY	2.612 [G/CC]	1066.00 [CPS]
3	Jul18,05 21:30:32	RES(MG)	Default [CPS]	Default [CPS]
	Jul18,05 21:30:32	RES(MG)	Default [CPS]	Default [CPS]
4	Jul18,05 21:34:21	CALIPER	10.160 [CM]	62979.00 [CPS]
	Jul18,05 21:34:21	CALIPER	14.732 [CM]	82599.00 [CPS]
5	Jul18,05 21:34:55	DENSITYH	1.106 [G/CC]	36460.00 [CPS]
	Jul18,05 21:34:55	DENSITYH	2.475 [G/CC]	10050.00 [CPS]
6	Jul18,05 21:35:51	CALIPERL	14.732 [CM]	58561.00 [CPS]
	Jul18,05 21:35:51	CALIPERL	25.400 [CM]	85885.00 [CPS]
7	Aug02,99 06:17:32	RES	Default [CPS]	Default [CPS]
	Aug02,99 06:17:32	RES	Default [CPS]	Default [CPS]
8	Apr12,02 00:42:07	POR(NEU)	100.000 [PERCENT]	178.00 [CPS]

PLAN VIEW COMPU-LOG DEVIATION

CLIENT: NORTHERN ENERGY MINING INC
LOCATION: ROMAN MTN
HOLE ID: RHTR 2005 - 5
DATE OF LOG: 07/19/05
PROBE: 9057A 1067



SCALE: 5 M/CM
TRUE DEPTH: 58.55 M
AZIMUTH: 31.7
DISTANCE: 30.2 M
+ = 5 M INCR
○ = BOTTOM OF HOLE

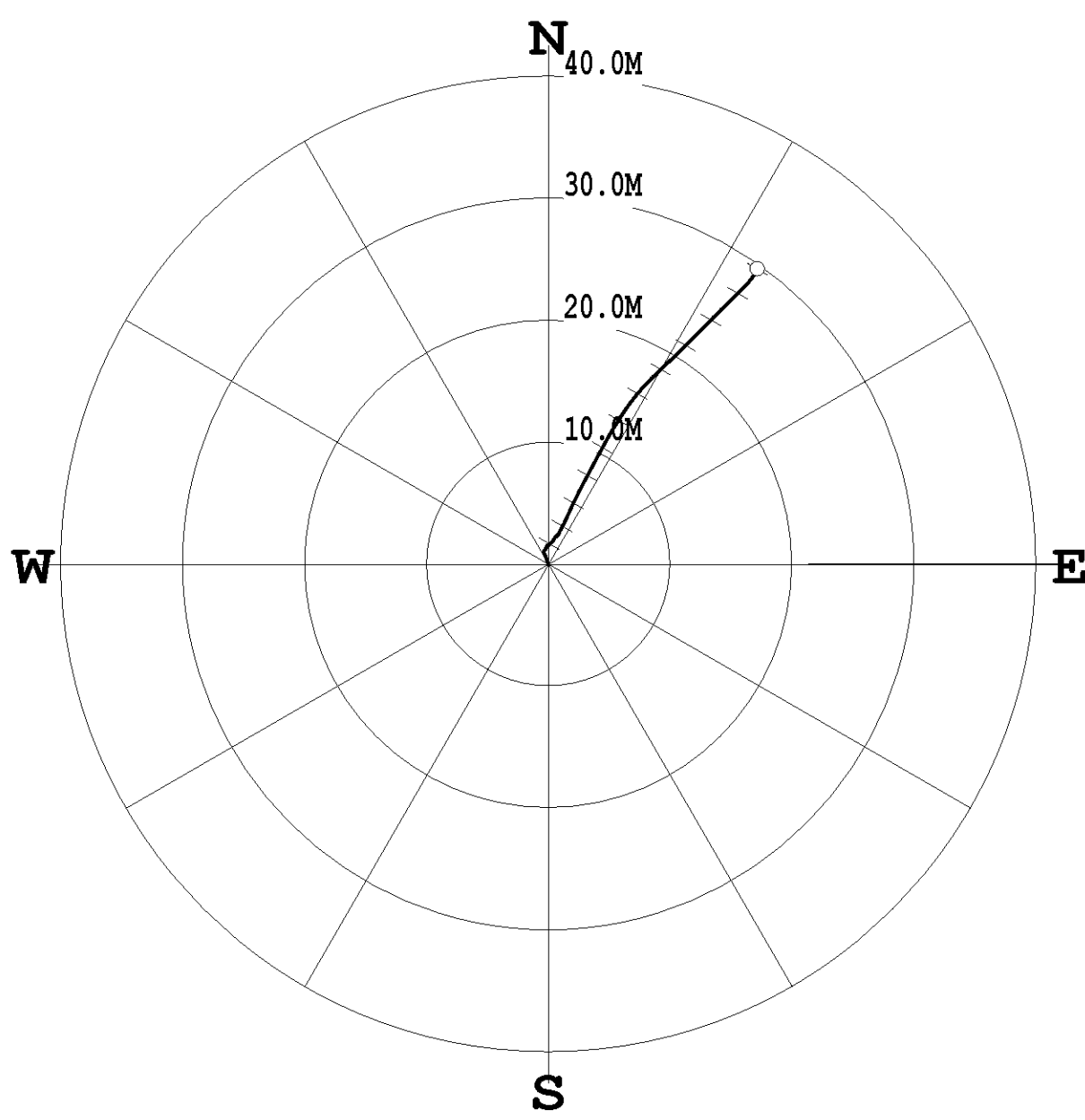


PLAN VIEW COMPU-LOG DEVIATION

CLIENT: NORTHERN ENERGY MINING INC
LOCATION: ROMAN MTN
HOLE ID: RHTR 2005 - 5
DATE OF LOG: 07/19/05
PROBE: 9410A 377

MAG DECL: 21.0

SCALE: 5 M/CM
TRUE DEPTH: 58.91 M
AZIMUTH: 35.3
DISTANCE: 29.6 M
+ = 5 M INCR
○ = BOTTOM OF HOLE



COMPANY : NORTHERN ENERGY MINING INC
WELL : RHTR 2005 - 5
FIELD : ROMAN MTN
COUNTY : TUMBLER RIDGE
STATE : BRITISH COLUMBIA

OTHER SERVICES:
9410
9057
9034

LOCATION :
SECTION :
TOWNSHIP :
RANGE :
API NO. :
UNIQUE WELL ID. :

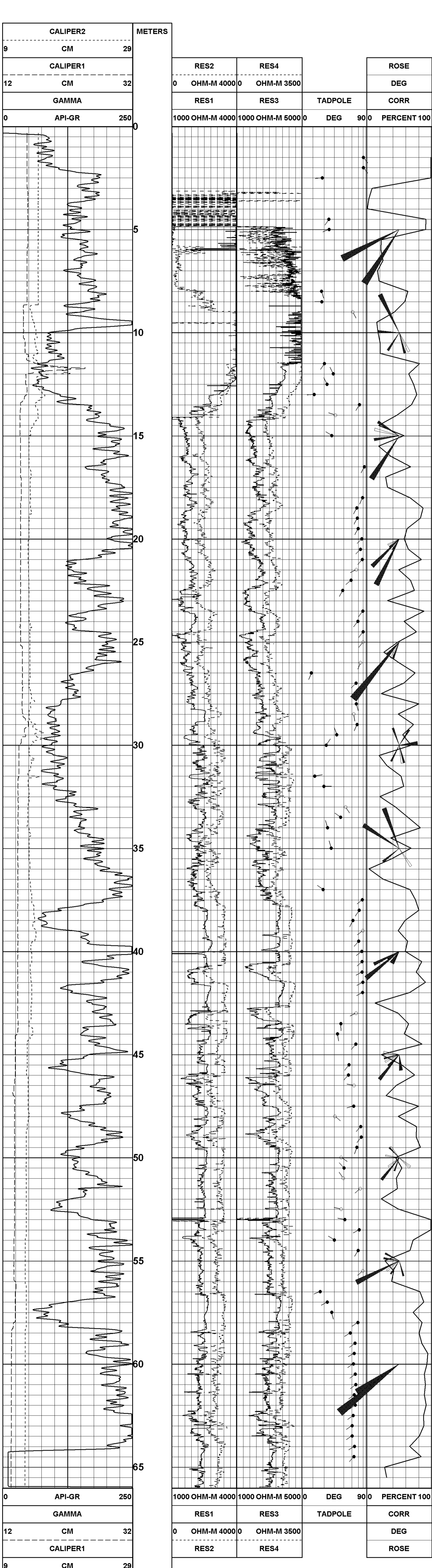
PERMANENT DATUM : GL
LOG MEASURED FROM : GL
DRL MEASURED FROM : GL
DATE : 07/19/05
DEPTH DRILLER : 87
BIT SIZE : 11.43

ELEVATION KB :
ELEVATION DF :
ELEVATION GL :

LOG TOP : 0.32
LOG BOTTOM : 86.00
CASING OD : 13.72
CASING BOTTOM : 9.1
CASING TYPE : HW
BOREHOLE FLUID :
RM TEMPERATURE :
MUD RES :
MUD WEIGHT :

RECORDED BY : J. SINKWICH
REMARKS 1 :
REMARKS 2 :

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS



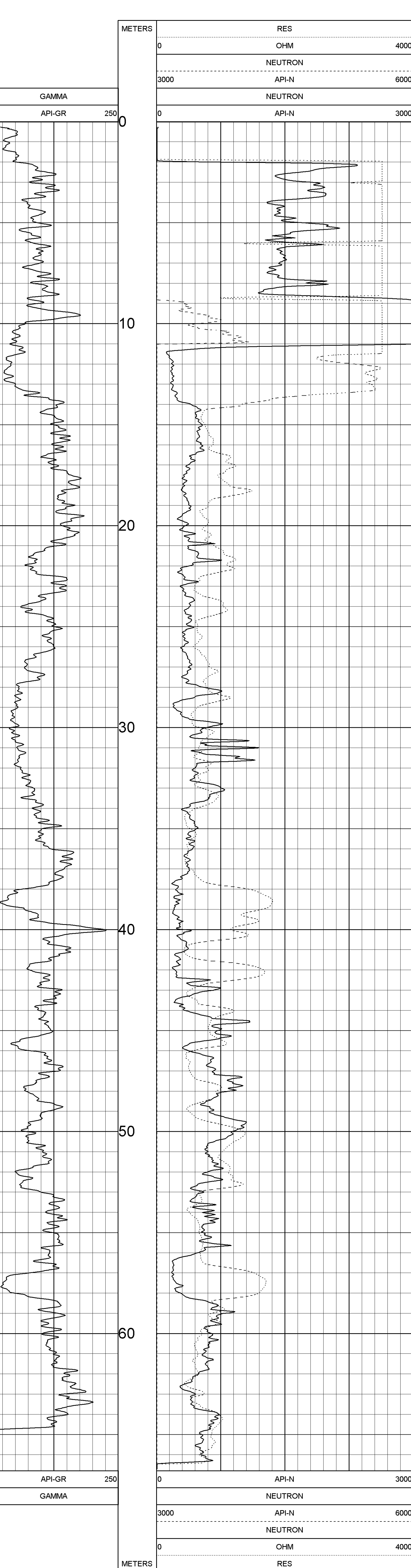
TOOL CALIBRATION RHTR 2005 - 5 07/19/05 14:46
TOOL 9410A TM VERSION 9200
SERIAL NUMBER 377

DATE	TIME	SENSOR	STANDARD	RESPONSE
1	Dec19,03 17:08:45	GAMMA	20.000 [API-GR]	5.00 [CPS]
1	Dec19,03 17:08:45	GAMMA	275.000 [API-GR]	140.00 [CPS]
2	Mar16,04 16:33:35	VOLTAGE	Default [CPS]	Default [CPS]
2	Mar16,04 16:33:35	VOLTAG	341.000 [MV]	1830.00 [CPS]
3	Mar16,04 16:33:49	CUR1	Default [CPS]	Default [CPS]
3	Mar16,04 16:33:49	CUR1	2135.000 [UA]	18740.00 [CPS]
4	Mar16,04 16:34:03	CUR2	Default [CPS]	Default [CPS]
4	Mar16,04 16:34:03	CUR2	2135.000 [UA]	19170.00 [CPS]
5	Mar16,04 16:34:18	CUR3	Default [CPS]	Default [CPS]
5	Mar16,04 16:34:18	CUR3	2135.000 [UA]	17360.00 [CPS]
6	Mar16,04 16:34:31	CUR4	Default [CPS]	Default [CPS]
6	Mar16,04 16:34:31	CUR4	2135.000 [UA]	13950.00 [CPS]
7	Mar16,04 17:09:48	CALIPER	15.240 [INCH]	10944.00 [CPS]
7	Mar16,04 17:09:48	CALIPER	20.320 [INCH]	13890.00 [CPS]

COMPANY	NORTHERN ENERGY MINING INC	OTHER SERVICES:
WELL	RHTR 2005 - 5	9410
FIELD	ROMAN MTN	9057
COUNTY	TUMBLER RIDGE	9034
STATE	BRITISH COLUMBIA	

LOCATION		ELEVATION KB :
SECTION		ELEVATION DF :
TOWNSHIP		ELEVATION GL :
RANGE		
API NO.		
UNIQUE WELL ID.		
PERMANENT DATUM	GL	
LOG MEASURED FROM	GL	
DATE	07/19/05	

DEPTH DRILLER	67
BIT SIZE	11.43
LOG TOP	0.22
LOG BOTTOM	86.76
CASING OD	13.72
CASING BOTTOM	9.1
CASING TYPE	HW
BOREHOLE FLUID	
RM TEMPERATURE	
MUD RES	
MUD WEIGHT	
RECORDED BY	J. SINKWICH
REMARKS 1	
REMARKS 2	



TOOL CALIBRATION RHTR 2005 - 5 07/19/05 15:33
 TOOL 9057A TM VERSION 5500
 SERIAL NUMBER 1067

DATE	TIME	SENSOR	STANDARD	RESPONSE
1	Apr12.02 00:41:30	GAMMA	0.000 [API-GR]	10.00 [CPS]
	Apr12.02 00:41:30	GAMMA	290.000 [API-GR]	350.00 [CPS]
2	Aug02.99 06:17:32	NEUTROI	Default [CPS]	Default [CPS]
3	Aug02.99 06:17:32	NEUTROI	Default [CPS]	Default [CPS]
3	Aug02.99 06:17:32	SP	Default [CPS]	Default [CPS]
4	Aug02.99 06:17:32	SP	Default [CPS]	Default [CPS]
4	Feb22.02 21:30:07	RES(16N)	Default [CPS]	Default [CPS]
4	Feb22.02 21:30:07	RES(16N)	Default [CPS]	Default [CPS]
5	Aug02.99 06:17:32	RES(64N)	Default [CPS]	Default [CPS]
5	Aug02.99 06:17:32	RES(64N)	Default [CPS]	Default [CPS]
6	Mar08.02 15:30:38	TEMP	Default [CPS]	Default [CPS]
6	Mar08.02 15:30:38	TEMP	Default [CPS]	Default [CPS]
7	Aug02.99 06:17:32	RES	Default [CPS]	Default [CPS]
7	Aug02.99 06:17:32	RES	Default [CPS]	Default [CPS]

GAMMA - CALIPER - RESISTIVITY COMPENSATED DENSITY

RHTR2005 - 6

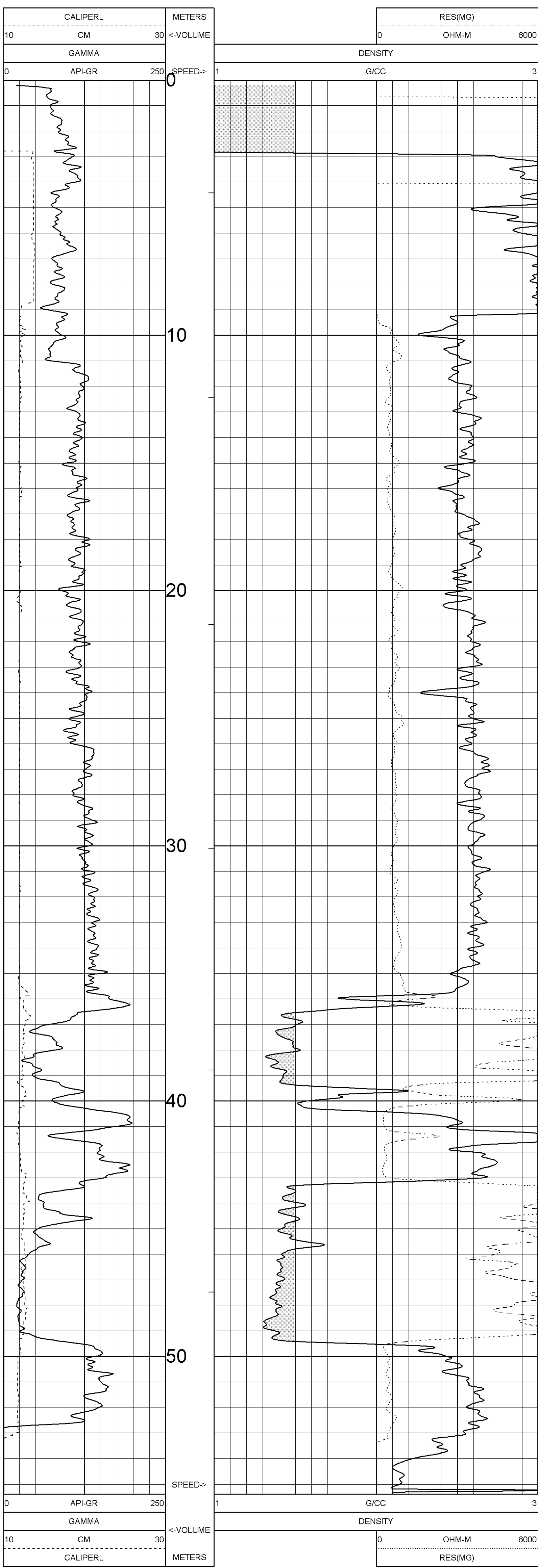
COMPANY: NORTHERN ENERGY MINING INC
 WELL: RHTR2005 - 6
 FIELD: ROMAN MTN
 COUNTY: TUMBLER RIDGE
 STATE: BRITISH COLUMBIA

OTHER SERVICES:
 9410
 9057
 9034

LOCATION :
 SECTION :
 TOWNSHIP :
 RANGE :
 API NO. :
 UNIQUE WELL ID. :
 PERMANENT DATUM : GL
 LOG MEASURED FROM : GL
 DRL MEASURED FROM : GL
 ELEVATION KB :
 ELEVATION DF :
 ELEVATION GL :

DATE: 07/19/05
 DEPTH DRILLER : 56.47
 BIT SIZE : 11.43
 LOG TOP : 0.19
 LOG BOTTOM : 55.36
 CASING OD : 13.72
 CASING BOTTOM : 9.1
 CASING TYPE : HW
 BOREHOLE FLUID :
 RM TEMPERATURE :
 MUD RES :
 MUD WEIGHT :

RECORDED BY : J. SINKWICH
 REMARKS 1 :
 REMARKS 2 :
 ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS



TOOL CALIBRATION RHTR2005 - 6 07/19/05 13:47
 TOOL 9034AA1 TM VERSION 3200
 SERIAL NUMBER 483

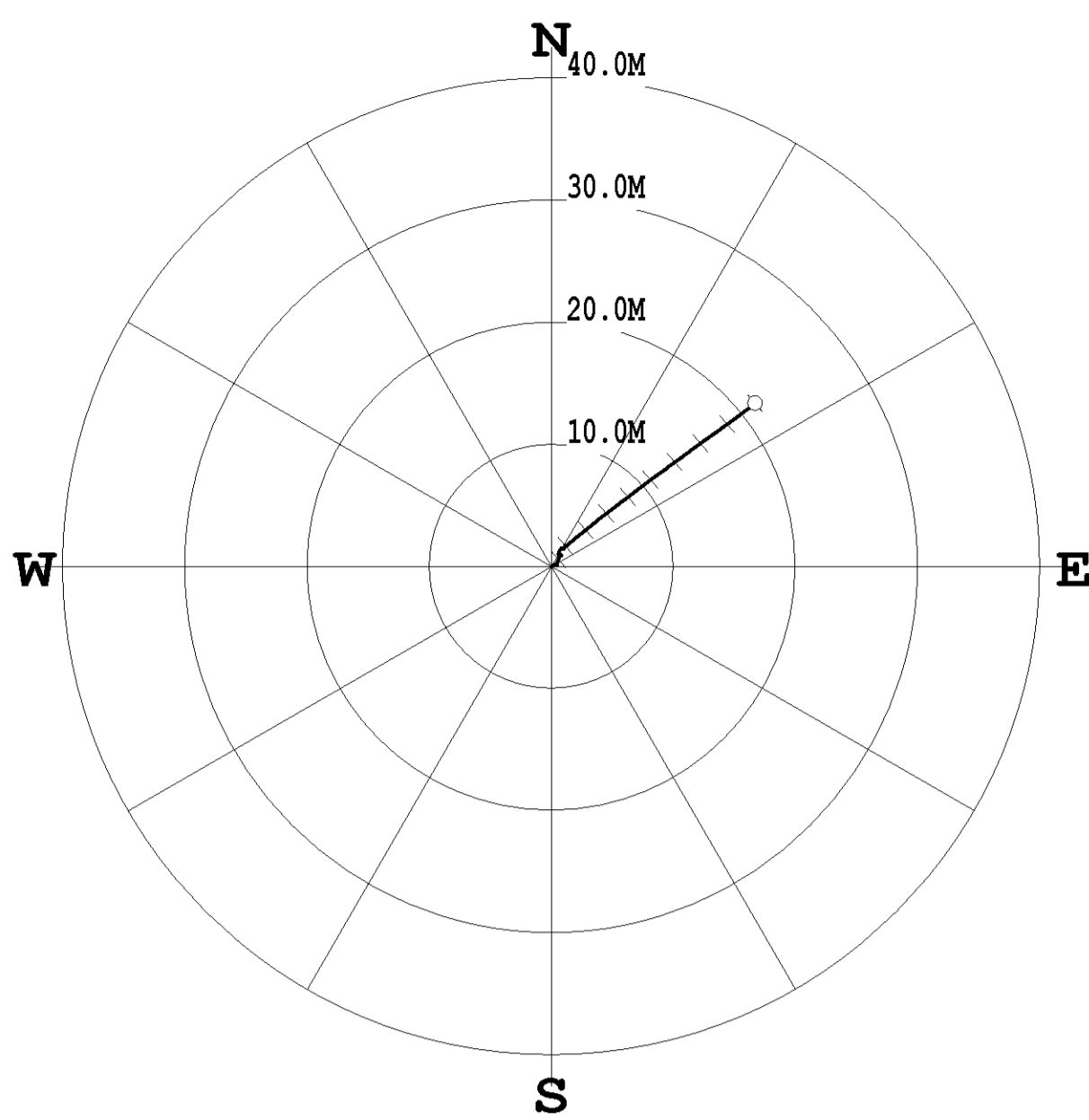
DATE	TIME	SENSOR	STANDARD	RESPONSE
1	Jul18,05 21:31:09	GAMMA	Default [CPS]	Default [CPS]
2	Jul18,05 21:31:09	GAMMA	123.000 [API-GR]	223.00 [CPS]
3	Jul18,05 21:31:45	DENSITY	1.106 [G/CC]	4848.00 [CPS]
4	Jul18,05 21:31:45	DENSITY	2.612 [G/CC]	1066.00 [CPS]
5	Jul18,05 21:30:32	RES(MG)	Default [CPS]	Default [CPS]
6	Jul18,05 21:30:32	RES(MG)	Default [CPS]	Default [CPS]
7	Jul18,05 21:34:21	CALIPER	10.160 [CM]	62979.00 [CPS]
8	Jul18,05 21:34:21	CALIPER	14.732 [CM]	82599.00 [CPS]
9	Jul18,05 21:34:55	DENSITYH	1.106 [G/CC]	36460.00 [CPS]
10	Jul18,05 21:34:55	DENSITYH	2.475 [G/CC]	10050.00 [CPS]
11	Jul18,05 21:35:51	CALIPERL	14.732 [CM]	58561.00 [CPS]
12	Jul18,05 21:35:51	CALIPERL	25.400 [CM]	85885.00 [CPS]

PLAN VIEW COMPU-LOG DEVIATION

CLIENT: NORTHERN ENERGY MINING INC
LOCATION: ROMAN MTN
HOLE ID: RHTR2005 - 6
DATE OF LOG: 07/19/05
PROBE: 9057A 1067

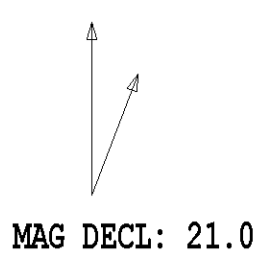
MAG DECL: 21.0

SCALE: 5 M/CM
TRUE DEPTH: 49.97 M
AZIMUTH: 51.4
DISTANCE: 21.4 M
+ = 5 M INCR
○ = BOTTOM OF HOLE

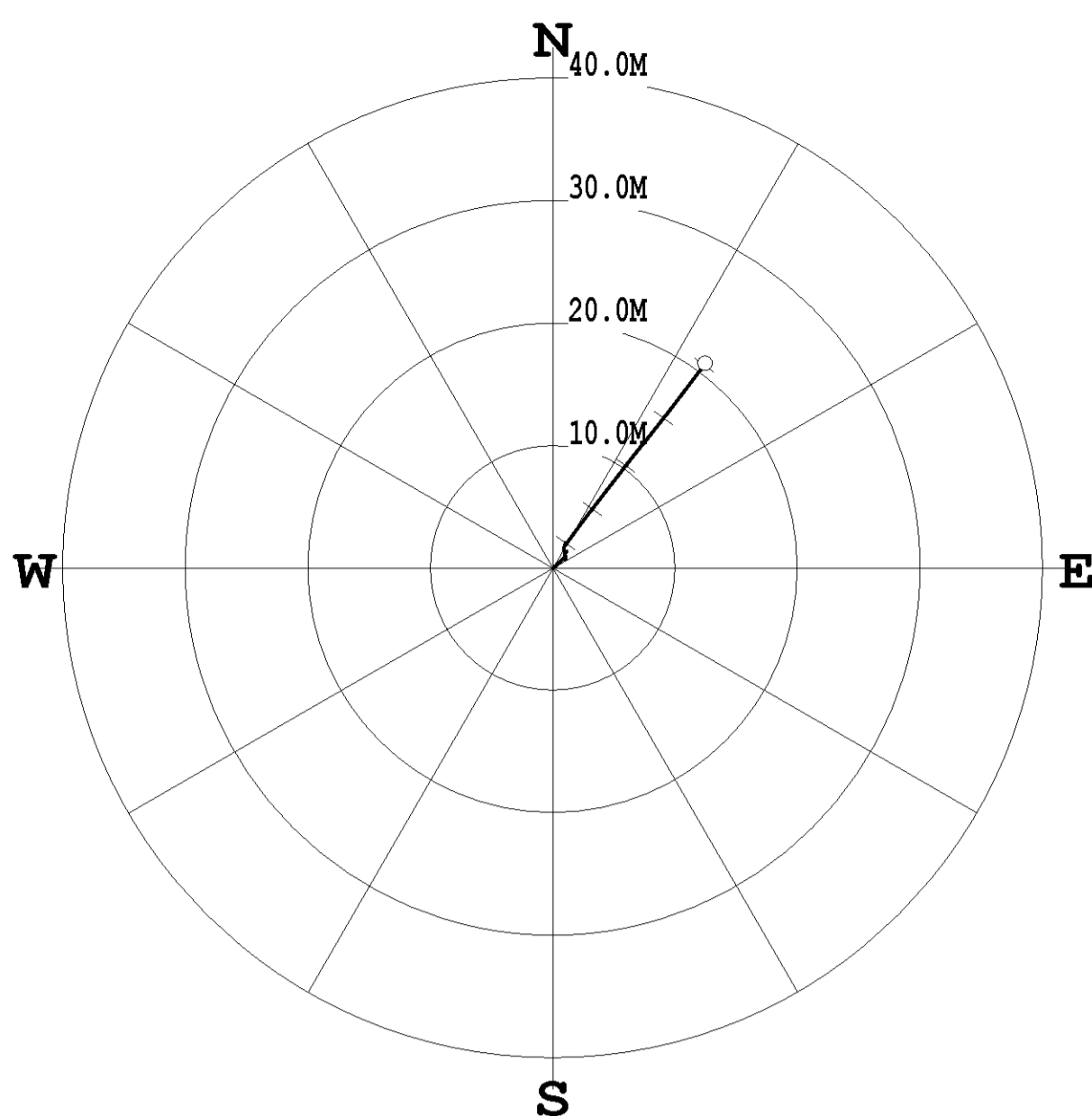


PLAN VIEW COMPU-LOG DEVIATION

CLIENT: NORTHERN ENERGY MINING INC
LOCATION: ROMAN MTN
HOLE ID: RHTR2005 - 6
DATE OF LOG: 07/19/05
PROBE: 9410A 377



SCALE: 5 M/CM
TRUE DEPTH: 50.27 M
AZIMUTH: 36.7
DISTANCE: 20.8 M
+ = 10 M INCR
○ = BOTTOM OF HOLE



COMPANY : NORTHERN ENERGY MINING INC
WELL : RHTR2005 - 6
FIELD : ROMAN MTN
COUNTY : TUMBLER RIDGE
STATE : BRITISH COLUMBIA

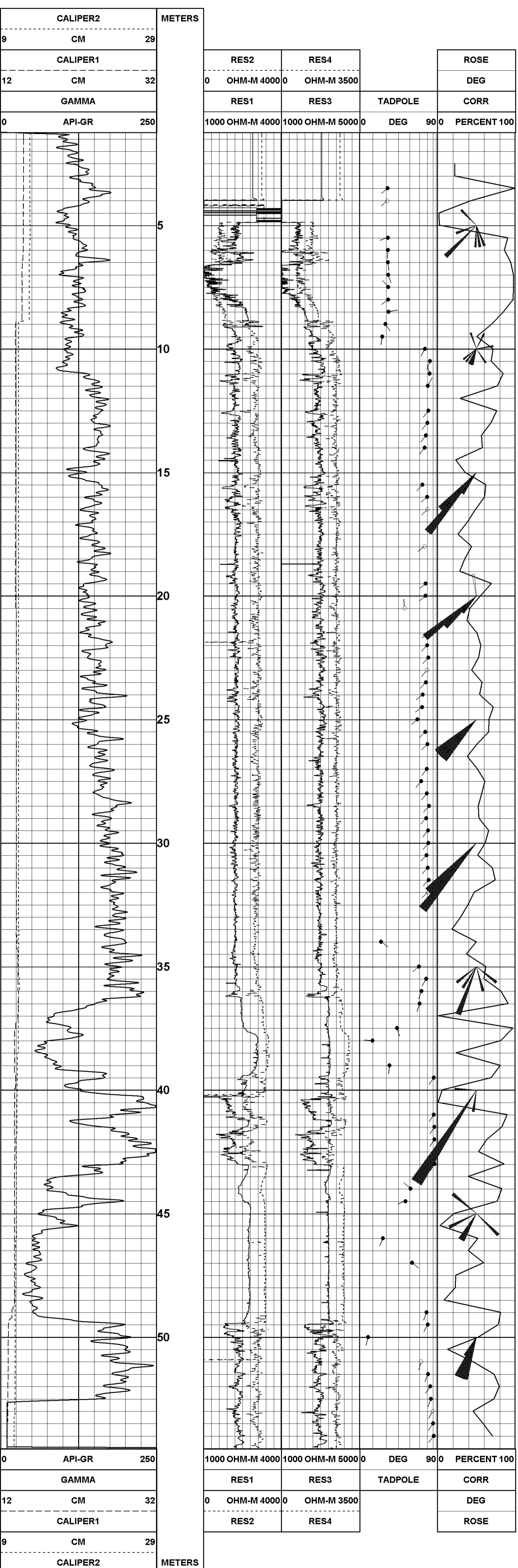
OTHER SERVICES:
9410
9057
9034

LOCATION :
SECTION :
TOWNSHIP :
RANGE :
API NO. :
UNIQUE WELL ID. :

PERMANENT DATUM : GL
LOG MEASURED FROM : GL
DRL MEASURED FROM : GL
DATE : 07/19/05
DEPTH DRILLER :
BIT SIZE : 56.47
LOG TOP : 11.43
LOG BOTTOM : 54.50
CASING OD : 13.72
CASING BOTTOM : 9.1
CASING TYPE : HW

ELEVATION BK :
ELEVATION DF :
ELEVATION GL :

RECORDED BY : J. SINKMICH
REMARKS 1 :
REMARKS 2 :
ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS



TOOL CALIBRATION RHTR2005 - 6 07/19/05 12:46
TOOL 9410A TM VERNON 9200
SERIAL NUMBER 377

DATE	TIME	SENSOR	STANDARD	RESPONSE
1	Dec19,03 16:08:45	GAMMA	20.000 [API-GR]	5.00 [CPS]
1	Dec19,03 16:08:45	GAMMA	275.000 [API-GR]	140.00 [CPS]
2	Mar16,04 16:33:35	VOLTAGE	Default [CPS]	Default [CPS]
2	Mar16,04 16:33:35	VOLTAGE	341.000 [MV]	1830.00 [CPS]
3	Mar16,04 16:33:49	CUR1	Default [CPS]	Default [CPS]
3	Mar16,04 16:33:49	CUR1	2135.000 [UA]	18740.00 [CPS]
4	Mar16,04 16:34:03	CUR2	Default [CPS]	Default [CPS]
4	Mar16,04 16:34:03	CUR2	2135.000 [UA]	19170.00 [CPS]
5	Mar16,04 16:34:18	CUR3	Default [CPS]	Default [CPS]
5	Mar16,04 16:34:18	CUR3	2135.000 [UA]	17360.00 [CPS]
6	Mar16,04 16:34:31	CUR4	Default [CPS]	Default [CPS]
6	Mar16,04 16:34:31	CUR4	2135.000 [UA]	13950.00 [CPS]
7	Mar16,04 17:09:48	CALIPER	15.240 [INCH]	10944.00 [CPS]
7	Mar16,04 17:09:48	CALIPER	20.320 [INCH]	13890.00 [CPS]



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GAMMA - NEUTRON - RES

RHTR2005 - 6

COMPANY: NORTHERN ENERGY MINING INC

WELL: RHTR2005 - 6

FIELD: ROMAN MTN

COUNTY: TUMBLER RIDGE

STATE: BRITISH COLUMBIA

LOCATION: :

SECTION: :

TOWNSHIP: :

RANGE: :

API NO.: :

UNIQUE WELL ID.: :

PERMANENT DATUM: GL

LOG MEASURED FROM: GL

DRL MEASURED FROM: GL

DATE: 07/19/05

DEPTH DRILLER: 55.47

BIT SIZE: 11.43

LOG TOP: 0.19

LOG BOTTOM: 55.30

CASING OD: 13.72

CASING BOTTOM: 9.1

CASING TYPE: HW

BOREHOLE FLUID: :

RM TEMPERATURE: :

MUD RES: :

MUD WEIGHT: :

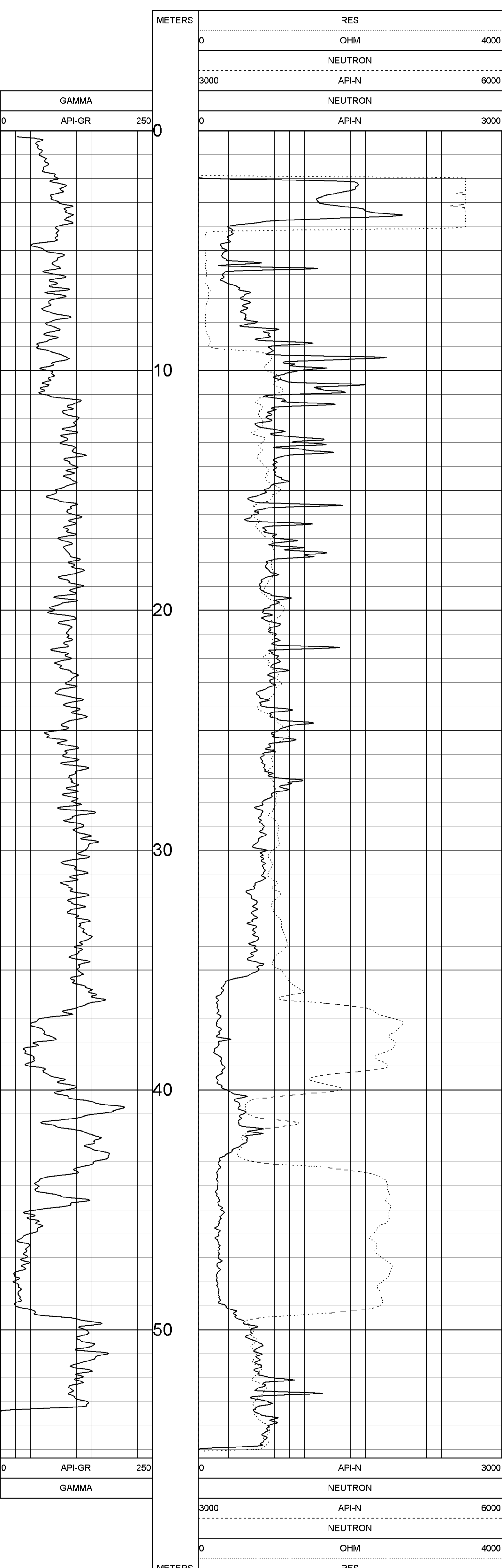
RECORDED BY: J. SINKWICH

REMARKS 1: :

REMARKS 2: :

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS

OTHER SERVICES:
9410
9057
9034



TOOL CALIBRATION RHTR2005 - 6 07/19/05 13:29
 TOOL 9057A TM VERSION 5500
 SERIAL NUMBER 1067

DATE	TIME	SENSOR	STANDARD	RESPONSE
1	Apr12,02 01:41:30	GAMMA	0.000 [API-GR]	10.00 [CPS]
	Apr12,02 00:41:30	GAMMA	290.000 [API-GR]	350.00 [CPS]
2	Aug02,99 06:17:32	NEUTROI	Default [CPS]	Default [CPS]
	Aug02,99 06:17:32	NEUTROI	Default [CPS]	Default [CPS]
3	Aug02,99 06:17:32	SP	Default [CPS]	Default [CPS]
	Aug02,99 06:17:32	SP	Default [CPS]	Default [CPS]
4	Feb22,02 21:30:07	RES(16N)	Default [CPS]	Default [CPS]
	Feb22,02 21:30:07	RES(16N)	Default [CPS]	Default [CPS]
5	Aug02,99 06:17:32	RES(64N)	Default [CPS]	Default [CPS]
	Aug02,99 06:17:32	RES(64N)	Default [CPS]	Default [CPS]
6	Mar08,02 15:30:38	TEMP	Default [CPS]	Default [CPS]
	Mar08,02 15:30:38	TEMP	Default [CPS]	Default [CPS]
7	Aug02,99 06:17:32	RES	Default [CPS]	Default [CPS]
	Aug02,99 06:17:32	RES	Default [CPS]	Default [CPS]

COMPANY: NORTHERN ENERGY MINING INC
WELL: RHTR 2005 - 7
FIELD: ROMANI MTR
COUNTY: TUMBLER RIDGE
STATE: BRITISH COLUMBIA

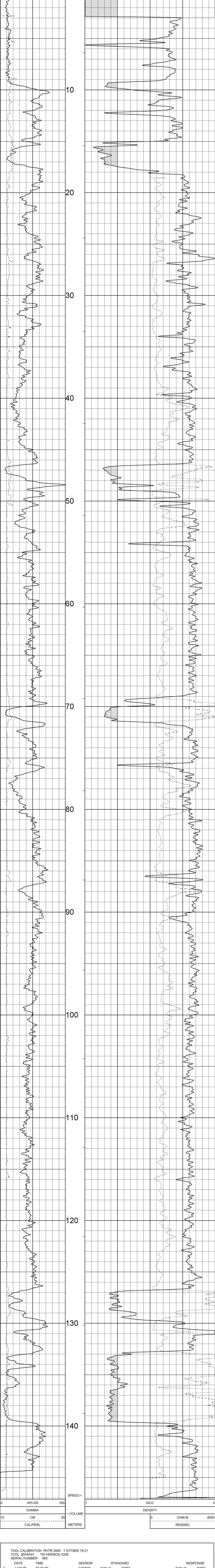
OTHER SERVICES:
WELL: 9410
COUNTY: 9057
STATE: 9034

LOCATION:
SECTION:
TOWNSHIP:
RANGE:
API NO.:
UNIQUE WELL ID:
PERMANENT DATUM:
LOG MEASURED FROM GL:
DRL MEASURED FROM GL:
ELEVATION RB:
ELEVATION DF:
ELEVATION GL:

DATE: 07/19/05
DEPTH DRILLER: 147
BIT SIZE: 11.43
LOG TOP: 0.25
LOG BOTTOM: -147.08
CASING OD: -17.78
CASING BOTTOM: 9.1
CASING TYPE: HW

BOREHOLE FLUID:
RM TEMPERATURE:
MUD RES:
MUD WEIGHT:
RECORDED BY: J. SINKWICH
REMARKS 1:
REMARKS 2:

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS



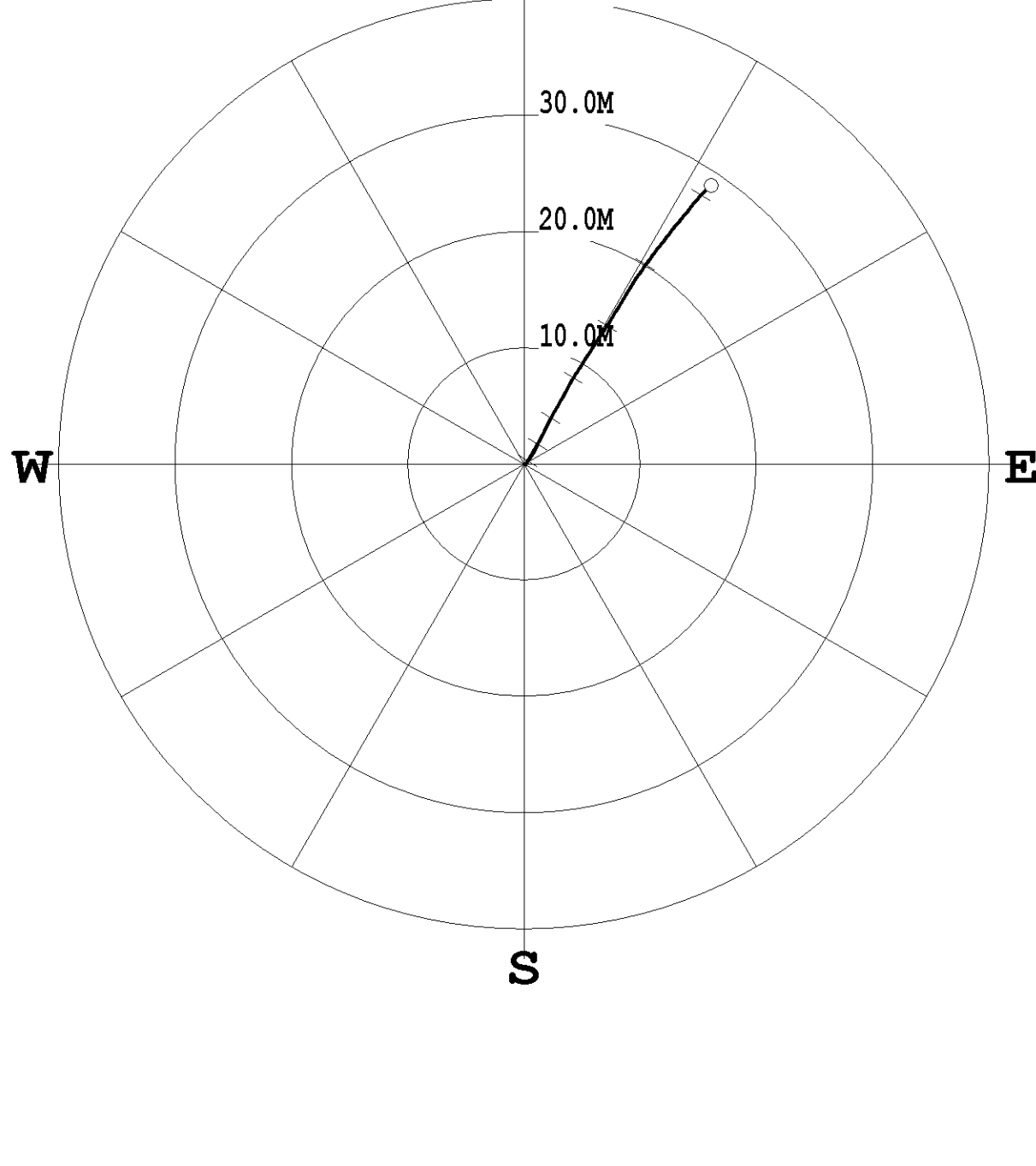
DATE	TIME	SENSOR	STANDARD	RESPONSE
1	Jul18,05 22:31:09	GAMMA	123.000	Default [CPS]
2	Jul18,05 21:31:09	DENSITY	1.106	Default [G/CC]
3	Jul18,05 21:31:45	RES(MG)	Default	Default [CPS]
4	Jul18,05 21:30:32	RES(MG)	Default	Default [CPS]
5	Jul18,05 21:34:21	CALIPER	10.160	Default [CM]
6	Jul18,05 21:34:21	CALIPERL	14.732	Default [CM]
7	Jul18,05 21:34:55	DENSITYH	1.106	Default [G/CC]
8	Jul18,05 21:35:51	CALIPERL	2.475	Default [G/CC]
9	Jul18,05 21:35:51	CALIPERL	25.400	Default [CM]
10	Aug02,99 06:17:32	RES	Default	Default [CPS]
11	Aug02,99 06:17:32	RES	Default	Default [CPS]
12	Apr12,02 00:42:07	POR(NEU)	100.000	Default [PERCENT]

PLAN VIEW COMPU-LOG DEVIATION

CLIENT: NORTHERN ENERGY MINING INC
LOCATION: ROMAN MTN
HOLE ID: RHTR 2005 - 7
DATE OF LOG: 07/19/05
PROBE: 9057A 1067

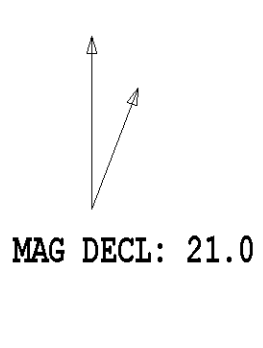
MAG DECL: 21.0

SCALE: 5 M/CM
TRUE DEPTH: 142.79 M
AZIMUTH: 34.0
DISTANCE: 28.8 M
+ = 20 M INCR
○ = BOTTOM OF HOLE

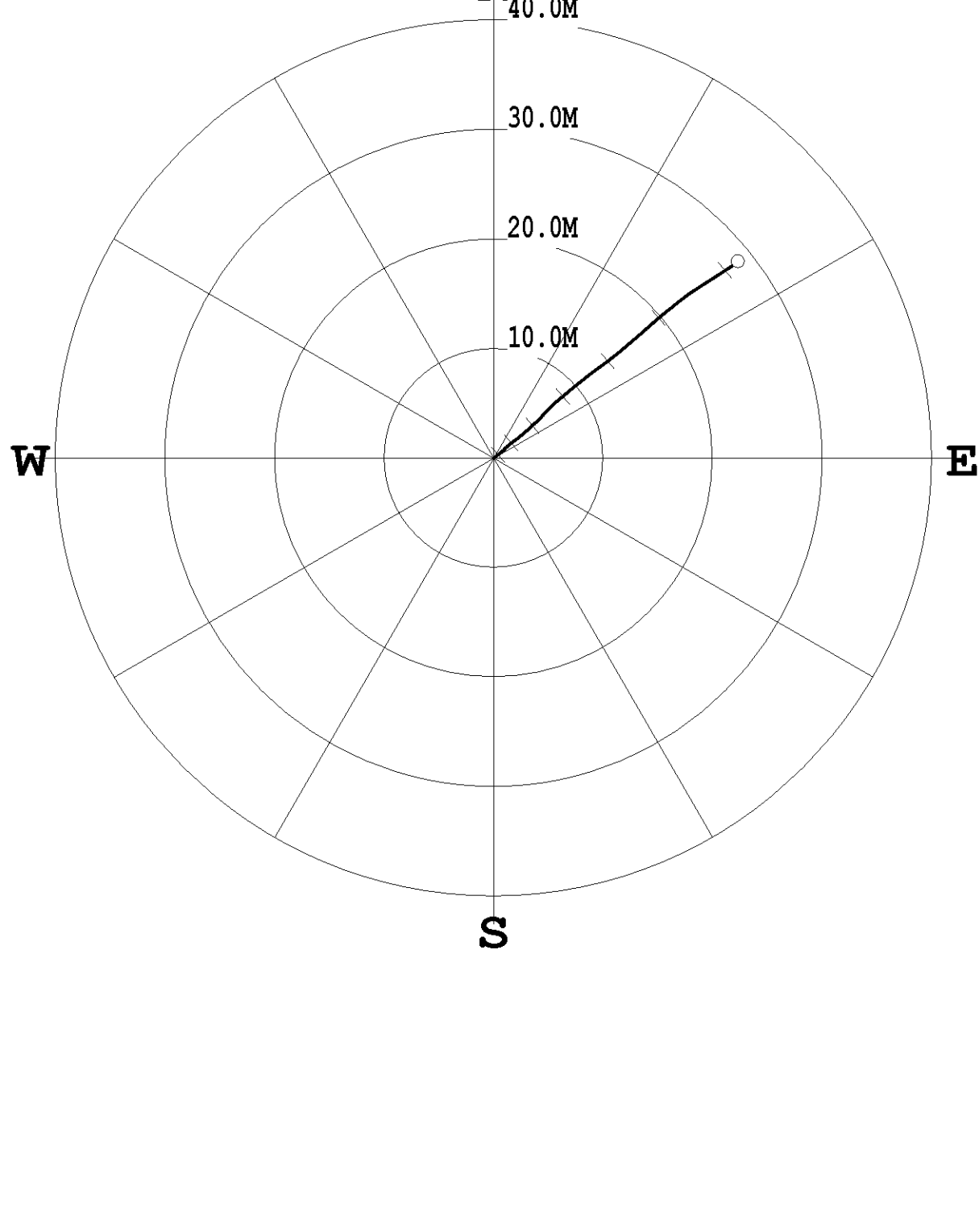


PLAN VIEW COMPU-LOG DEVIATION

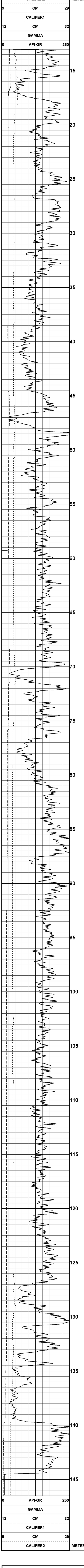
CLIENT: NORTHERN ENERGY MINING INC
LOCATION: ROMAN MTN
HOLE ID: RHTR 2005 - 7
DATE OF LOG: 07/19/05
PROBE: 9410A 377



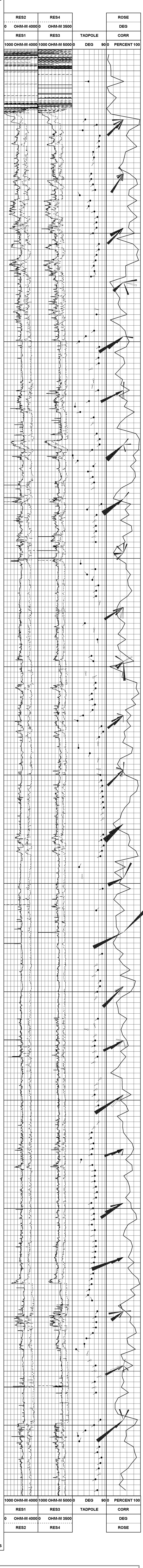
SCALE: 5 M/CM
TRUE DEPTH: 143.35 M
AZIMUTH: 51.2
DISTANCE: 28.6 M
+ = 20 M INCR
○ = BOTTOM OF HOLE



CALIPER2	9	CM	29
CALIPER1	12	CM	32
GAMMA	0	API-GR	250



CALIPER2	9	CM	29
CALIPER1	12	CM	32
GAMMA	0	API-GR	250



RES1	1000 OHM-M 4000	RES3	1000 OHM-M 5000	TADPOLE	DEG	CORR	PERCENT 100
RES2	0 OHM-M 4000	RES4	0 OHM-M 3500	TADPOLE	DEG	CORR	ROSE

TOOL CALIBRATION RHTR 2005 - 7 07/19/05 16:47
TOOL 9410A TM VERSION 9200
SERIAL NUMBER 377

DATE	TIME	SENSOR	STANDARD	RESPONSE
1	Dec19,03 16:08:45	GAMMA	20.000 [API-GR]	5.00 [CPS]
1	Dec19,03 16:08:45	GAMMA	275.000 [API-GR]	140.00 [CPS]
2	Mar16,04 16:33:35	VOLTAGE	Default [CPS]	Default [CPS]
2	Mar16,04 16:33:35	VOLTAGE	341.000 [MV]	1830.00 [CPS]
3	Mar16,04 16:33:49	CUR1	Default [CPS]	Default [CPS]
3	Mar16,04 16:33:49	CUR1	2135.000 [UA]	18740.00 [CPS]
4	Mar16,04 16:34:03	CUR2	Default [CPS]	Default [CPS]
4	Mar16,04 16:34:03	CUR2	2135.000 [UA]	19170.00 [CPS]
5	Mar16,04 16:34:18	CUR3	Default [CPS]	Default [CPS]
5	Mar16,04 16:34:18	CUR3	2135.000 [UA]	17360.00 [CPS]
6	Mar16,04 16:34:31	CUR4	Default [CPS]	Default [CPS]
6	Mar16,04 16:34:31	CUR4	2135.000 [UA]	13950.00 [CPS]
7	Mar16,04 17:09:48	CALIPER	15.240 [INCH]	10944.00 [CPS]
7	Mar16,04 17:09:48	CALIPER	20.320 [INCH]	13890.00 [CPS]

COMPANY	NORTHERN ENERGY MINING INC	OTHER SERVICES
WELL	RHTR 2005 - 7	9410
FIELD	ROMAN MTN	9057
COUNTY	TUMBLER RIDGE	9034
STATE	BRITISH COLUMBIA	

LOCATION	
SECTION	
TOWNSHIP	
RANGE	
API NO.	
UNIQUE WELL ID	

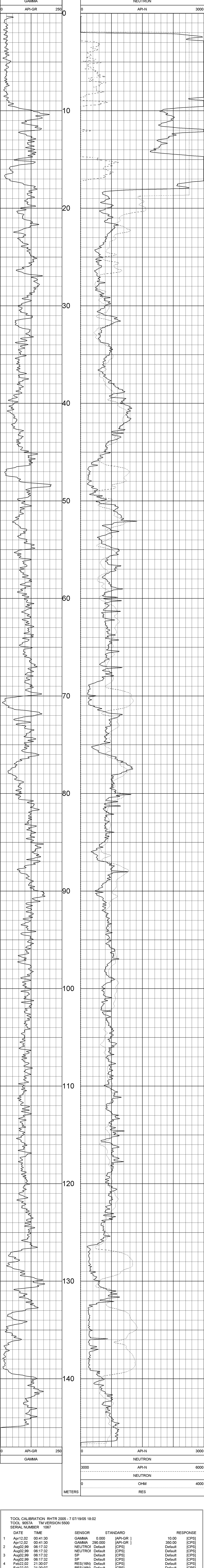
PERMANENT DATUM	GL	ELEVATION MB :
LOG MEASURED FROM	GL	ELEVATION DF :
DRL MEASURED FROM	GL	ELEVATION SL :

DATE	07/19/05
DEPTH DRILLER	147
BIT SIZE	11.43
LOG TOP	0.25
LOG BOTTOM	146.96
CASING OD	17.78
CASING BOTTOM	9.1
CASING TYPE	HW

BOREHOLE FLUID	:
RM TEMPERATURE	:
MUD RES	:
MUD WEIGHT	:

RECORDED BY	J. SIMKACH
REMARKS 1	:
REMARKS 2	:

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS.



DATE	TIME	SENSOR	STANDARD	RESPONSE
1	Apr12,02 00:41:30	GAMMA	0.000 [API-GR]	10.00 [CPS]
2	Apr12,02 00:41:30	GAMMA	290.000 [API-GR]	350.00 [CPS]
3	Aug02,99 06:17:32	NEUTRON	Default [CPS]	Default [CPS]
4	Aug02,99 06:17:32	NEUTRON	Default [CPS]	Default [CPS]
5	Aug02,99 06:17:32	SP	Default [CPS]	Default [CPS]
6	Aug02,99 06:17:32	SP	Default [CPS]	Default [CPS]
7	Feb22,02 21:30:07	RES(16N)	Default [CPS]	Default [CPS]
8	Feb22,02 21:30:07	RES(16N)	Default [CPS]	Default [CPS]
9	Aug02,99 06:17:32	RES(64N)	Default [CPS]	Default [CPS]
10	Aug02,99 06:17:32	RES(64N)	Default [CPS]	Default [CPS]
11	Mar08,02 15:30:38	TEMP	Default [CPS]	Default [CPS]
12	Aug02,99 06:17:32	RES	Default [CPS]	Default [CPS]
13	Aug02,99 06:17:32	RES	Default [CPS]	Default [CPS]

COMPANY: NORTHERN ENERGY MINING INC
WELL: RHTR 2005 - 880 DEGREE ANGLE
FIELD: ROMAN MTN
COUNTY: TUMBLER RIDGE
STATE: BRITISH COLUMBIA

OTHER SERVICES:
9057
9034
9410

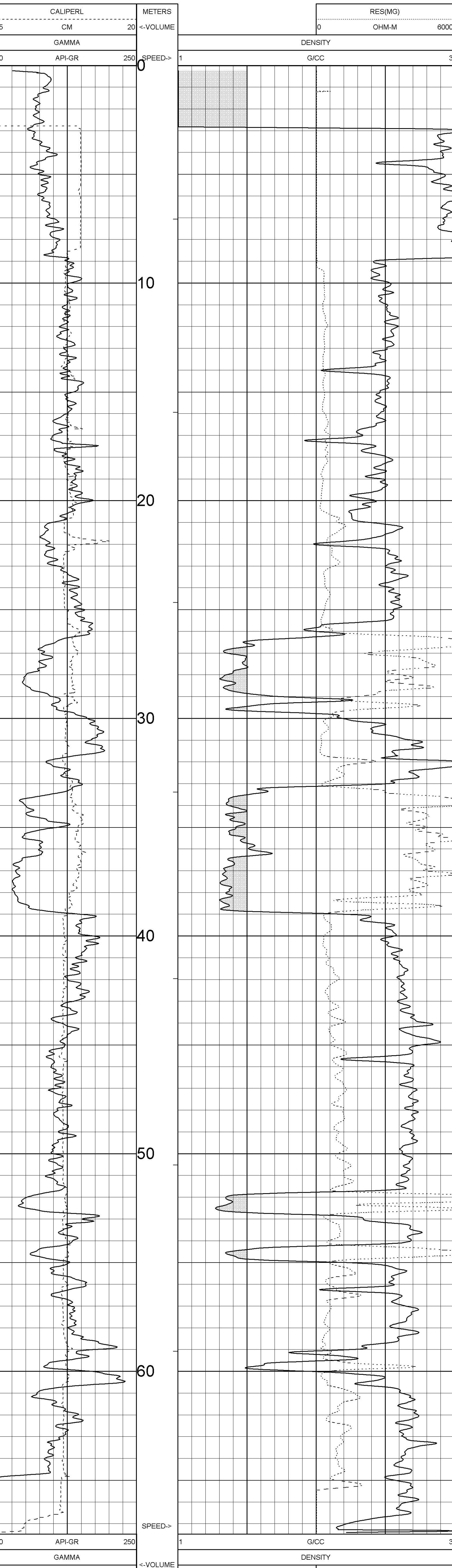
LOCATION:
SECTION:
TOWNSHIP:
RANGE:
API NO.:
UNIQUE WELL ID:

PERMANENT DATUM: ELEVATION KB:
LOG MEASURED FROM: ELEVATION DF:
DRL MEASURED FROM: ELEVATION GL:

DATE: 07/23/05
DEPTH DRILLER: 87
BIT SIZE: 11.43
LOG TOP: 0.19
LOG BOTTOM: 87.44
CASING OD: 10.2
CASING BOTTOM: 9.1
CASING TYPE: HW
BOREHOLE FLUID:
RM TEMPERATURE:
MUD RES:
MUD WEIGHT:
RECORDED BY: J. SINKWICH
REMARKS 1:
REMARKS 2:

GAMMA-RES-DENSITY RHTR 2005 - 8 07/23/05
80 DEGREE ANGLE
LOG PARAMETERS

MATRIX DENSITY : 2.65 NEUTRON MATRIX : SANDSTONE MATRIX DELTA T : 140
MAGNETIC DECL : 21 ELECT. CUTOFF : 77777 BIT SIZE : 11.43
PRESENTATION NAME/DATE = 9034AA.0 07/23/2005



GAMMA-RES-DENSITY RHTR 2005 - 8 07/23/05
80 DEGREE ANGLE
LOG PARAMETERS

MATRIX DENSITY : 2.65 NEUTRON MATRIX : SANDSTONE MATRIX DELTA T : 140
MAGNETIC DECL : 21 ELECT. CUTOFF : 77777 BIT SIZE : 11.43
PRESENTATION NAME/DATE = 9034AA.0 07/23/2005

TOOL CALIBRATION RHTR 2005 - 8 07/23/05 15:23
TOOL 9034AA1 TM VERSION 3200
SERIAL NUMBER 483

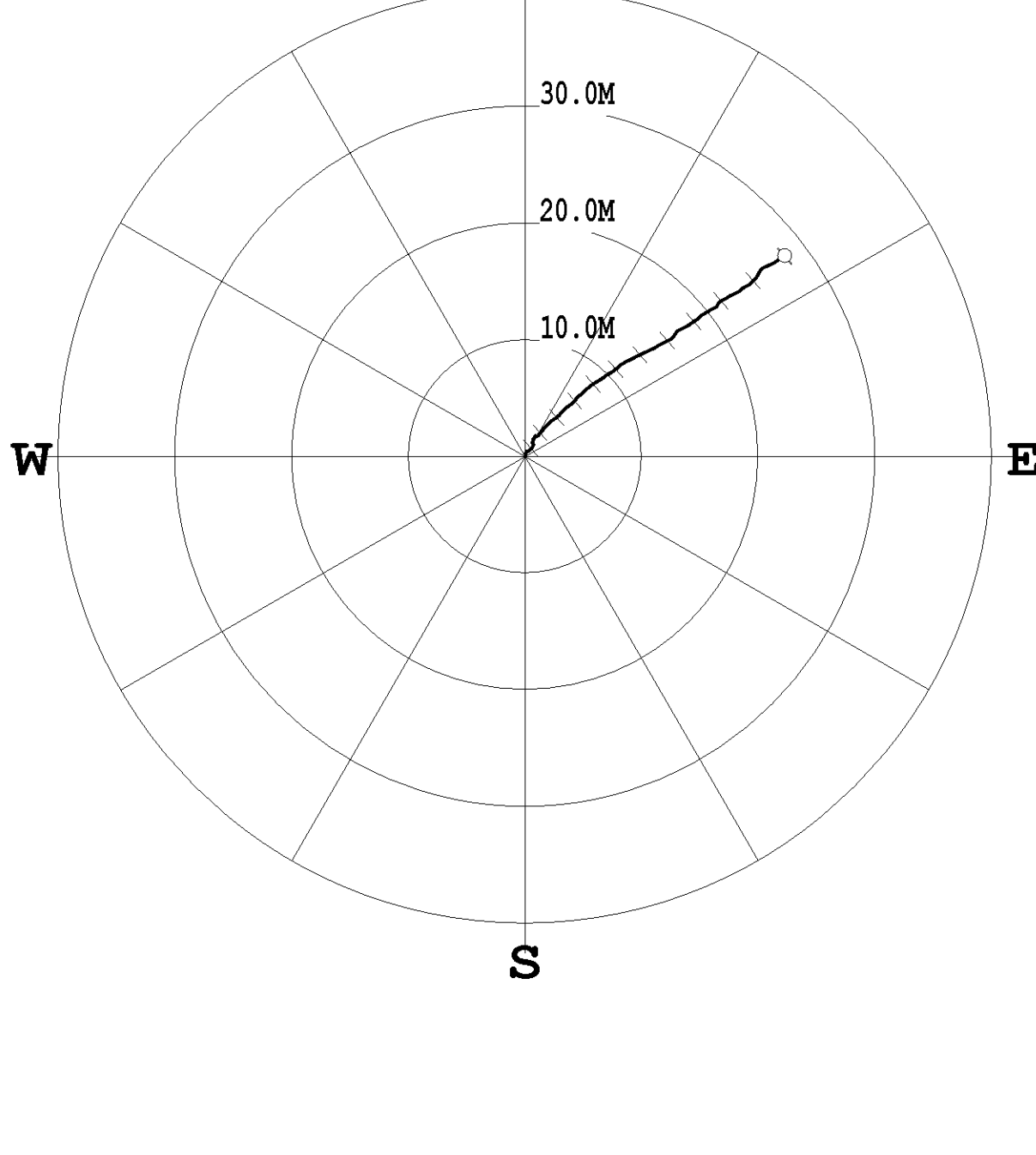
DATE	TIME	SENSOR	STANDARD	RESPONSE
1	Jul18,05 21:31:09	GAMMA	Default [CPS]	Default [CPS]
	Jul18,05 21:31:09	GAMMA	123.000 [API-GR]	223.00 [CPS]
2	Jul18,05 21:31:45	DENSITY	1.106 [G/CC]	4848.00 [CPS]
	Jul18,05 21:31:45	DENSITY	2.612 [G/CC]	1066.00 [CPS]
3	Jul18,05 21:30:32	RES(MG)	Default [CPS]	Default [CPS]
	Jul18,05 21:30:32	RES(MG)	Default [CPS]	Default [CPS]
4	Jul18,05 21:34:21	CALIPER	10.160 [CM]	62979.00 [CPS]
	Jul18,05 21:34:21	CALIPER	14.732 [CM]	82599.00 [CPS]
5	Jul18,05 21:34:55	DENSITYH	1.106 [G/CC]	36460.00 [CPS]
	Jul18,05 21:34:55	DENSITYH	2.475 [G/CC]	10050.00 [CPS]
6	Jul18,05 21:35:51	CALIPERL	14.732 [CM]	58561.00 [CPS]
	Jul18,05 21:35:51	CALIPERL	25.400 [CM]	85885.00 [CPS]
7	Aug02,99 06:17:32	RES	Default [CPS]	Default [CPS]
	Aug02,99 06:17:32	RES	Default [CPS]	Default [CPS]
8	Apr12,02 00:42:07	POR(NEU)	100.000 [PERCENT]	178.00 [CPS]

PLAN VIEW COMPU-LOG DEVIATION

CLIENT: NORTHERN ENERGY MINING INC
LOCATION: ROMAN MTN
HOLE ID: RHTR 2005 - 8
DATE OF LOG: 07/23/05
PROBE: 9057A 1067

MAG DECL: 21.0

SCALE: 5 M/CM
TRUE DEPTH: 60.12 M
AZIMUTH: 52.4
DISTANCE: 28.1 M
+ = 5 M INCR
○ = BOTTOM OF HOLE

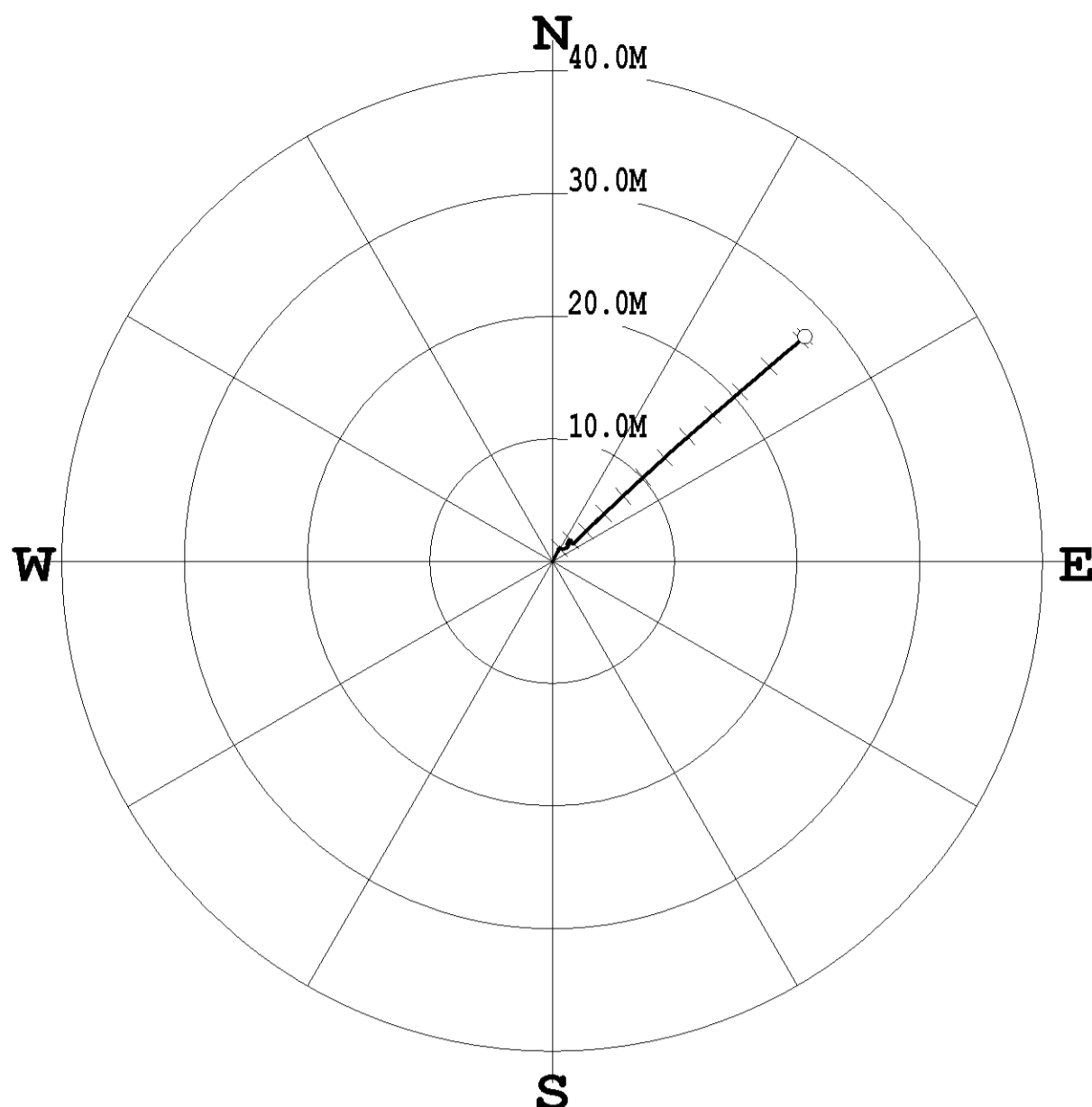


PLAN VIEW COMPU-LOG DEVIATION

CLIENT: NORTHERN ENERGY MINING INC
LOCATION: ROMAN MTN
HOLE ID: RHTR 2005 - 8
DATE OF LOG: 07/23/05
PROBE: 9410A 377

MAG DECL: 21.0

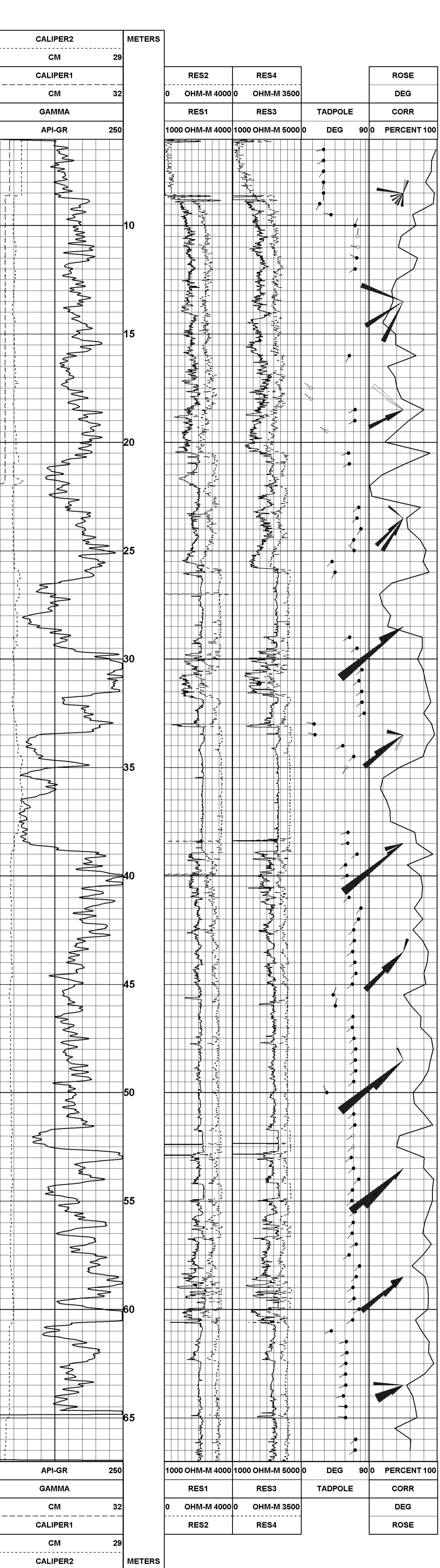
SCALE: 5 M/CM
TRUE DEPTH: 60.65 M
AZIMUTH: 48.4
DISTANCE: 27.6 M
+ = 5 M INCR
○ = BOTTOM OF HOLE



COMPANY	NORTHERN ENERGY MINING INC	OTHER SERVICES:
WELL	RHTR 2005 - 890 DEGREE ANGLE	9057
FIELD	ROMAN MTN	9034
COUNTY	TUMBLER RIDGE	9410
STATE	BRITISH COLUMBIA	

LOCATION		ELEVATION KB :
SECTION		ELEVATION DF :
TOWNSHIP		ELEVATION GL :
RANGE		
API NO.		
UNIQUE WELL ID.		
PERMANENT DATUM	GL	
LOG MEASURED FROM	GL	
DRL MEASURED FROM	GL	
DATE	07/23/05	
DEPTH DRILLER	67	
BIT SIZE	1.143	
LOG TOP	1.27	
LOG BOTTOM	67.00	
CASING OD	10.2	
CASING BOTTOM	3.04	
CASING TYPE	HW	
BOREHOLE FLUID		
RM TEMPERATURE		
MUD RES		
MUD WEIGHT		
RECORDED BY	J. SINKWICH	
REMARKS 1		
REMARKS 2		

LOG TOP	1.27
LOG BOTTOM	67.00
CASING OD	10.2
CASING BOTTOM	3.04
CASING TYPE	HW
BOREHOLE FLUID	
RM TEMPERATURE	
MUD RES	
MUD WEIGHT	
RECORDED BY	J. SINKWICH
REMARKS 1	
REMARKS 2	



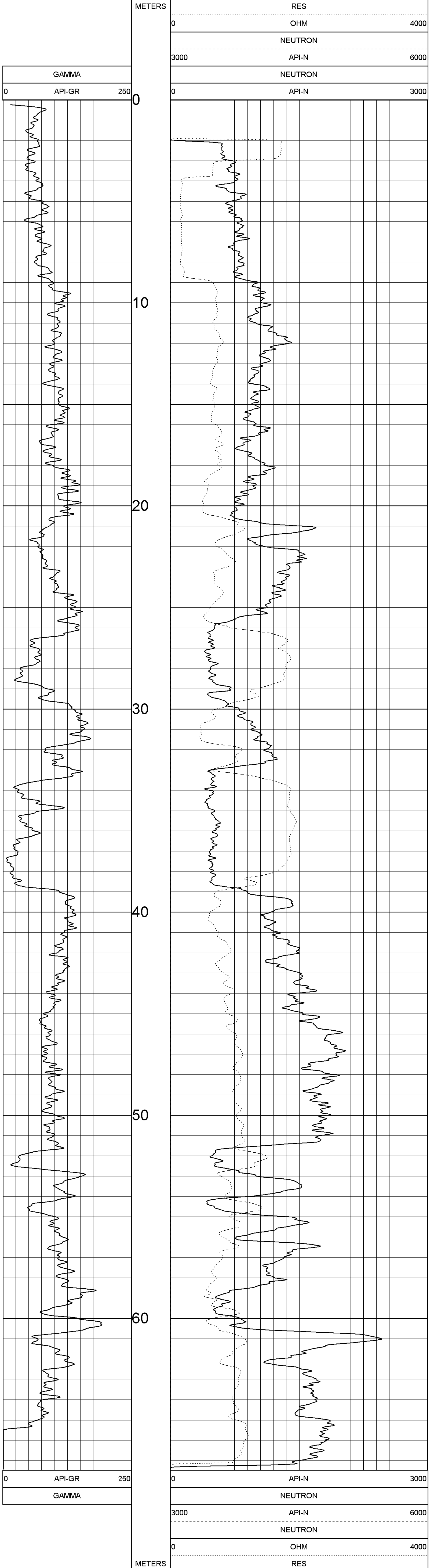
TOOL CALIBRATION RHTR 2005 - 8 07/23/05 15:44
 TOOL 9410A TM VERSION 9200
 SERIAL NUMBER 377

DATE	TIME	SENSOR	STANDARD	RESPONSE
1	Dec19,03 16:08:45	GAMMA	20.000 [API-GR]	5.00 [CPS]
2	Mar16,04 16:33:35	VOLTAGE	Default [CPS]	140.00 [CPS]
3	Mar16,04 16:33:35	VOLTAG	341.000 [MV]	Default [CPS]
4	Mar16,04 16:33:49	CUR1	Default [CPS]	1830.00 [CPS]
5	Mar16,04 16:34:03	CUR2	2135.000 [UA]	Default [CPS]
6	Mar16,04 16:34:03	CUR3	Default [CPS]	19170.00 [CPS]
7	Mar16,04 16:34:18	CUR4	2135.000 [UA]	Default [CPS]
8	Mar16,04 16:34:18	CUR3	2135.000 [UA]	17360.00 [CPS]
9	Mar16,04 16:34:31	CUR4	Default [CPS]	Default [CPS]
10	Mar16,04 16:34:31	CUR4	2135.000 [UA]	10950.00 [CPS]
11	Mar16,04 17:09:48	CALIPER	15.240 [INCH]	13944.00 [CPS]
12	Mar16,04 17:09:48	CALIPER	20.320 [INCH]	13890.00 [CPS]

COMPANY	NORTHERN ENERGY MINING INC	OTHER SERVICES:
WELL	RHTR 2005 - 880 DEGREE ANGLE	9057
FIELD	ROMAN MTN	9034
COUNTY	TUMBLER RIDGE	9410
STATE	BRITISH COLUMBIA	
LOCATION		
SECTION		
TOWNSHIP		
RANGE		
API NO.		
UNIQUE WELL ID.		
PERMANENT DATUM	GL	ELEVATION KB :
LOG MEASURED FROM	GL	ELEVATION DF :
DRL MEASURED FROM	GL	ELEVATION GL :
DATE	07/23/05	
DEPTH DRILLER	50	
BIT SIZE	11.43	
LOG TOP	0.23	
LOG BOTTOM	67.44	
CASING OD	10.2	
CASING BOTTOM	3.04	
CASING TYPE	HW	
BOREHOLE FLUID		
RM TEMPERATURE		
MUD RES		
MUD WEIGHT		
RECORDED BY	J. SINKWICH	
REMARKS 1		
REMARKS 2		

GAMMA-NEUTRON-RES RHTR 2005 - 8 07/23/05
80 DEGREE ANGLE
LOG PARAMETERS

MATRIX DENSITY : 2.65 NEUTRON MATRIX : SANDSTONE MATRIX DELTA T : 140
MAGNETIC DECL : 21.000 ELECT. CUTOFF : 77777 BIT SIZE : 11.43
PRESENTATION NAME/DATE = 9057A.0 07/19/2005



GAMMA-NEUTRON-RES RHTR 2005 - 8 07/23/05
80 DEGREE ANGLE
LOG PARAMETERS

MATRIX DENSITY : 2.65 NEUTRON MATRIX : SANDSTONE MATRIX DELTA T : 140
MAGNETIC DECL : 21.000 ELECT. CUTOFF : 77777 BIT SIZE : 11.43
PRESENTATION NAME/DATE = 9057A.0 07/19/2005

TOOL CALIBRATION RHTR 2005 - 8 07/23/05 15:04
TOOL 9057A TM VERSION 5500
SERIAL NUMBER 1067

DATE	TIME	SENSOR	STANDARD	RESPONSE
1	Apr12,02 00:41:30	GAMMA	0.000 [API-GR]	10.00 [CPS]
	Apr12,02 00:41:30	GAMMA	290.000 [API-GR]	350.00 [CPS]
2	Aug02,99 06:17:32	NEUTROI	Default [CPS]	Default [CPS]
	Aug02,99 06:17:32	NEUTROI	Default [CPS]	Default [CPS]
3	Aug02,99 06:17:32	SP	Default [CPS]	Default [CPS]
	Aug02,99 06:17:32	SP	Default [CPS]	Default [CPS]
4	Aug22,02 21:30:07	RES(16N)	Default [CPS]	Default [CPS]
	Feb22,02 21:30:07	RES(16N)	Default [CPS]	Default [CPS]
5	Aug02,99 06:17:32	RES(64N)	Default [CPS]	Default [CPS]
	Aug02,99 06:17:32	RES(64N)	Default [CPS]	Default [CPS]
6	Mar08,02 15:30:38	TEMP	Default [CPS]	Default [CPS]
	Mar08,02 15:30:38	TEMP	Default [CPS]	Default [CPS]
7	Aug02,99 06:17:32	RES	Default [CPS]	Default [CPS]
	Aug02,99 06:17:32	RES	Default [CPS]	Default [CPS]



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**GAMMA - CALIPER - RESISTIVITY
COMPENSATED DENSITY**

RHTR 2005 - 9

COMPANY: NORTHERN ENERGY MINING INC

WELL: RHTR 2005 - 9

FIELD: ROMAN MTN

MUNICIPALITY: TUMBLER RIDGE

PROVINCE: BRITISH COLUMBIA

OTHER SERVICES:

9057

9410

9139

LOCATION :

SECTION :

TOWNSHIP :

RANGE :

API NO. :

UNIQUE WELL ID. :

PERMANENT DATUM : GL

LOG MEASURED FROM : GL

DRL MEASURED FROM : GL

DATE : 08/04/05

RUN NO. : 3

DEPTH DRILLER : 25

BIT SIZE : 11.43

LOG TOP : 0.20

LOG BOTTOM : 21.69

CASING OD : 10.2

CASING BOTTOM : 3.04

CASING TYPE : HW

BOREHOLE FLUID : WATER

RM TEMPERATURE :

MUD RES :

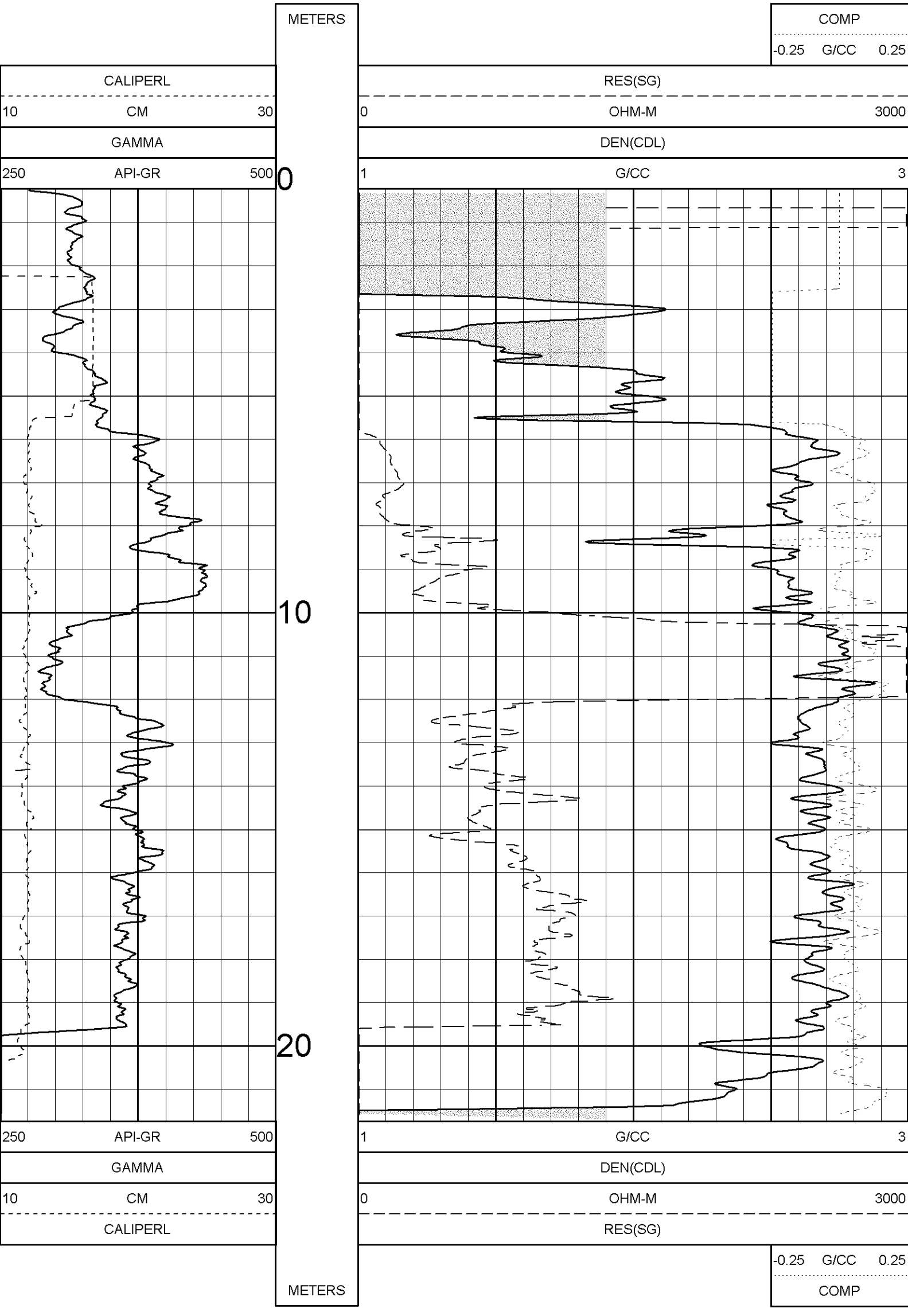
WITNESSED BY : RON

RECORDED BY : J. SINKWICH

REMARKS 1 :

REMARKS 2 :

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS



TOOL CALIBRATION RHTR 2005 - 9 08/04/05 16:59
 TOOL 9139A1
 SERIAL NUMBER 963

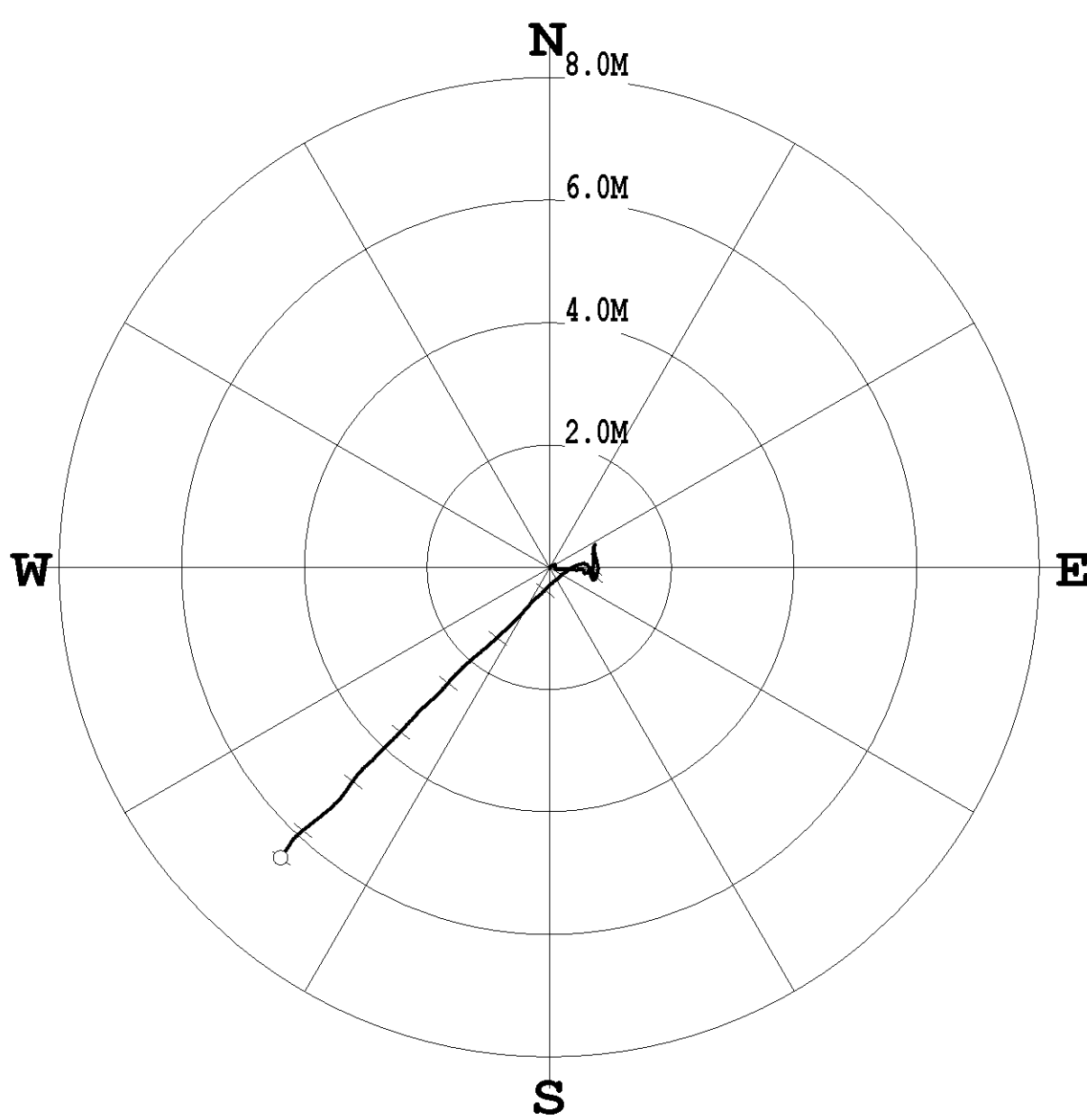
	DATE	TIME	SENSOR	STANDARD	RESPONSE
1	Apr14,04	16:57:31	GAMMA	0.000 [API-GR]	6.00 [CPS]
	Apr14,04	15:57:31	GAMMA	331.000 [API-GR]	488.00 [CPS]
2	Apr14,04	15:57:37	VOLTAGE	0.000 [MV]	5095.00 [CPS]
	Apr14,04	15:57:37	VOLTAGE	1740.210 [MV]	142354.00 [CPS]
3	Apr14,04	17:20:00	CALIPER	7.850 [INCH]	90360.00 [CPS]
	Apr14,04	17:20:00	CALIPER	3.850 [INCH]	52980.00 [CPS]
4	Nov29,04	21:17:27	DEN(LS)	1.106 [G/CC]	9557.00 [CPS]
	Nov29,04	21:17:27	DEN(LS)	2.612 [G/CC]	573.00 [CPS]
5	Nov29,04	21:18:07	DEN(SS)	1.106 [G/CC]	16034.00 [CPS]
	Nov29,04	21:18:07	DEN(SS)	2.612 [G/CC]	5131.00 [CPS]
6	May08,05	11:26:04	CALIPERL	7.620 [INCH]	47938.00 [CPS]
	May08,05	11:26:04	CALIPERL	25.400 [INCH]	79160.00 [CPS]
7	Apr14,04	15:58:08	CURRENT	0.000 [UA]	4640.00 [CPS]
	Apr14,04	15:58:08	CURRENT	249.000 [UA]	37608.00 [CPS]
8	Apr14,04	15:58:28	TEMP	170.000 [DEG F]	95500.00 [CPS]
	Apr14,04	15:58:28	TEMP	68.000 [DEG F]	50541.00 [CPS]

PLAN VIEW COMPU-LOG DEVIATION

CLIENT: NORTHERN ENERGY MINING INC
LOCATION: ROMAN MTN
HOLE ID: RHTR 2005 - 9
DATE OF LOG: 08/04/05
PROBE: 9057A 1067

MAG DECL: 21.0

SCALE: 1 M/CM
TRUE DEPTH: 19.04 M
AZIMUTH: 222.8
DISTANCE: 6.5 M
+ = 2 M INCR
○ = BOTTOM OF HOLE



COMPANY : NORTHERN ENERGY MINING INC
 WELL : RHTR 2005 - 9
 FIELD : ROMAN MTN
 COUNTY : TUMBLER RIDGE
 STATE : BRITISH COLUMBIA

OTHER SERVICES:
 9057
 9410
 9139

LOCATION :
 SECTION :
 TOWNSHIP :
 RANGE :
 API NO. :
 UNIQUE WELL ID. :
 PERMANENT DATUM : GL
 LOG MEASURED FROM : GL
 DRL MEASURED FROM : GL

ELEVATION KB :
 ELEVATION DF :
 ELEVATION GL :

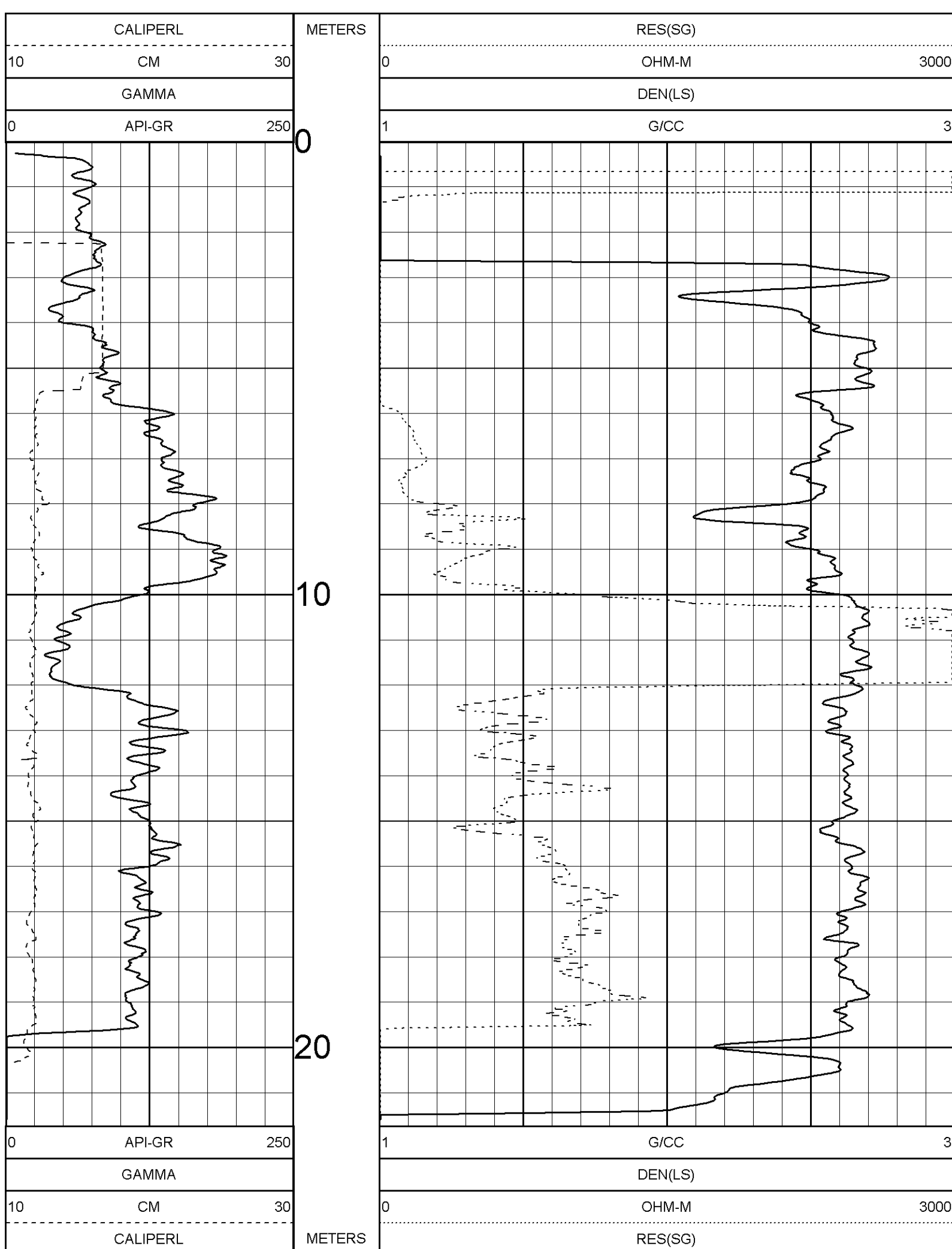
DATE : 08/04/05
 DEPTH DRILLER : 25
 BIT SIZE : 11.43
 LOG TOP : 0.20
 LOG BOTTOM : 21.89
 CASING OD : 10.2
 CASING BOTTOM : 3.04
 CASING TYPE : HW
 BOREHOLE FLUID : WATER
 RM TEMPERATURE :
 MUD RES :
 MUD WEIGHT :
 RECORDED BY : J. SINKWICH
 REMARKS 1 :
 REMARKS 2 :

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS

LONG-SPACE DENSITY RHTR 2005 - 9 08/04/05

LOG PARAMETERS

MATRIX DENSITY : 2.65 NEUTRON MATRIX : SANDSTONE MATRIX DELTA T : 140
 MAGNETIC DECL : 21 ELECT. CUTOFF : 77777 BIT SIZE : 11.43
 PRESENTATION NAME/DATE = 9139long space.0 08/05/2005



LONG-SPACE DENSITY RHTR 2005 - 9 08/04/05

LOG PARAMETERS

MATRIX DENSITY : 2.65 NEUTRON MATRIX : SANDSTONE MATRIX DELTA T : 140
 MAGNETIC DECL : 21 ELECT. CUTOFF : 77777 BIT SIZE : 11.43
 PRESENTATION NAME/DATE = 9139long space.0 08/05/2005

TOOL CALIBRATION RHTR 2005 - 9 08/04/05 16:59
 TOOL 9139A1 TM VERSION 0
 SERIAL NUMBER 963

	DATE	TIME	SENSOR	STANDARD	RESPONSE
1	Apr14,04	15:57:31	GAMMA	0.000 [API-GR]	6.00 [CPS]
	Apr14,04	15:57:31	GAMMA	331.000 [API-GR]	488.00 [CPS]
2	Apr14,04	15:57:37	VOLTAGE	0.000 [MV]	5095.00 [CPS]
	Apr14,04	15:57:37	VOLTAGE	1740.210 [MV]	142354.00 [CPS]
3	Apr14,04	17:20:00	CALIPER	7.850 [INCH]	90360.00 [CPS]
	Apr14,04	17:20:00	CALIPER	3.850 [INCH]	52980.00 [CPS]
4	Nov29,04	21:17:27	DEN(LS)	1.106 [G/CC]	9557.00 [CPS]
	Nov29,04	21:17:27	DEN(LS)	2.612 [G/CC]	573.00 [CPS]
5	Nov29,04	21:18:07	DEN(SS)	1.106 [G/CC]	16034.00 [CPS]
	Nov29,04	21:18:07	DEN(SS)	2.612 [G/CC]	5131.00 [CPS]
6	May08,05	11:26:04	CALIPERL	7.620 [INCH]	47938.00 [CPS]
	May08,05	11:26:04	CALIPERL	25.400 [INCH]	79160.00 [CPS]
7	Apr14,04	15:58:08	CURRENT	0.000 [UA]	4640.00 [CPS]
	Apr14,04	15:58:08	CURRENT	249.000 [UA]	37608.00 [CPS]
8	Apr14,04	15:58:28	TEMP	170.000 [DEG F]	95500.00 [CPS]
	Apr14,04	15:58:28	TEMP	68.000 [DEG F]	50541.00 [CPS]



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GAMMA - NEUTRON - RES

**RHTR 2005 - 9
ANGLED**

COMPANY : NORTHERN ENERGY MINING INC

WELL : RHTR 2005 - 9ANGLED

FIELD : ROMAN MTN

COUNTY : TUMBLER RIDGE

STATE : BRITISH COLUMBIA

OTHER SERVICES:

9057

9034

LOCATION :

SECTION :

TOWNSHIP :

RANGE :

API NO. :

UNIQUE WELL ID. :

PERMANENT DATUM : GL

LOG MEASURED FROM : GL

DRL MEASURED FROM : GL

DATE : 08/04/05

DEPTH DRILLER : 25

BIT SIZE : 11.43

LOG TOP : 0.20

LOG BOTTOM : 21.69

CASING OD : 10.2

CASING BOTTOM : 3.04

CASING TYPE : HW

BOREHOLE FLUID :

RM TEMPERATURE :

MUD RES :

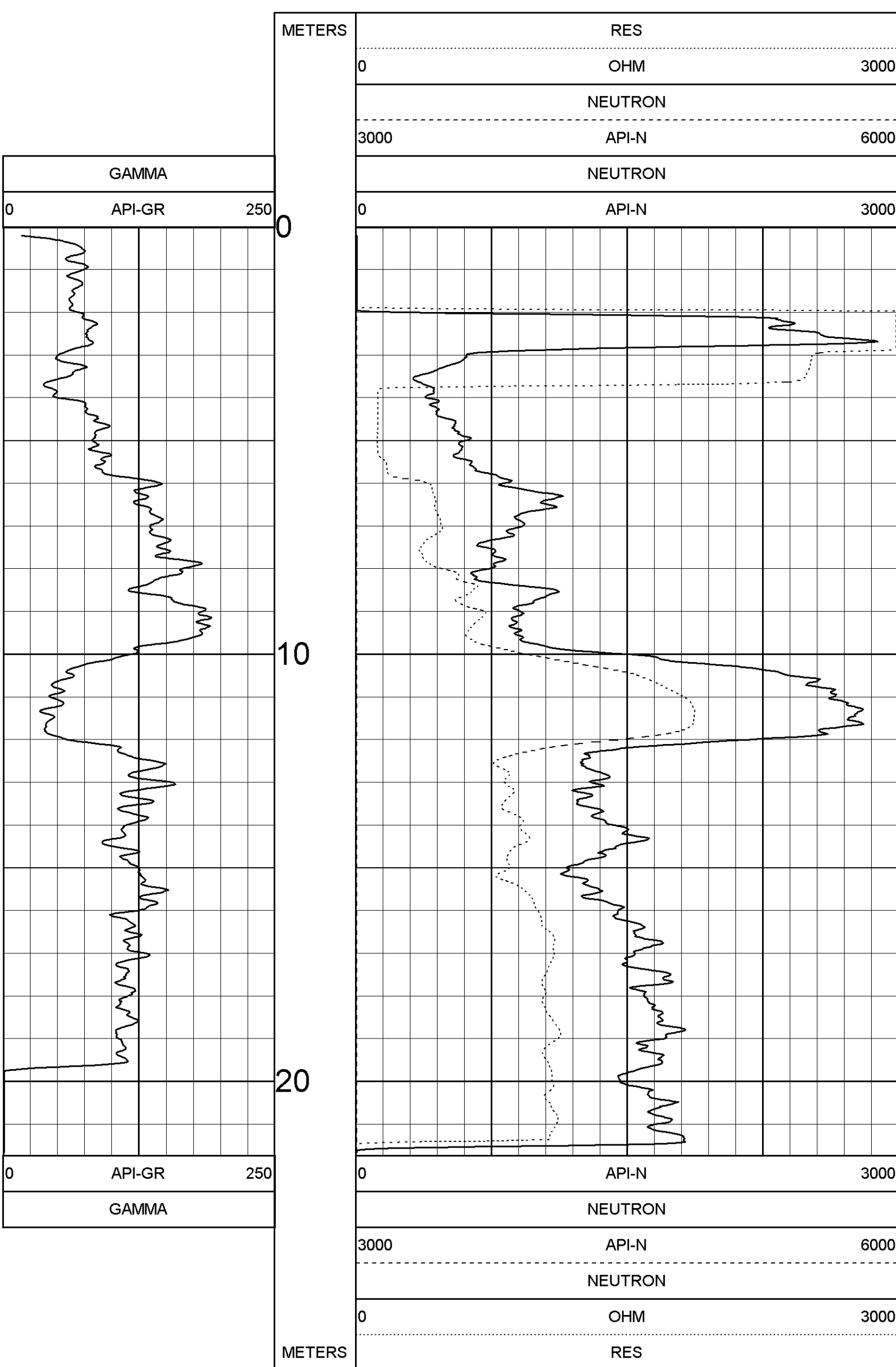
MUD WEIGHT :

RECORDED BY : J. SINKWICH

REMARKS 1 :

REMARKS 2 :

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS



TOOL CALIBRATION RHTR 2005 - 9 08/04/05 10:00
TOOL 9057A TM VERSION 5500
SERIAL NUMBER 1067

	DATE	TIME	SENSOR	STANDARD	RESPONSE
1	Apr12,02	01:41:30	GAMMA	0.000 [API-GR]	10.00 [CPS]
	Apr12,02	00:41:30	GAMMA	290.000 [API-GR]	350.00 [CPS]
2	Aug02,99	06:17:32	NEUTROI	Default [CPS]	Default [CPS]
	Aug02,99	06:17:32	NEUTROI	Default [CPS]	Default [CPS]
3	Aug02,99	06:17:32	SP	Default [CPS]	Default [CPS]
	Aug02,99	06:17:32	SP	Default [CPS]	Default [CPS]
4	Feb22,02	21:30:07	RES(16N)	Default [CPS]	Default [CPS]
	Feb22,02	21:30:07	RES(16N)	Default [CPS]	Default [CPS]
5	Aug02,99	06:17:32	RES(64N)	Default [CPS]	Default [CPS]
	Aug02,99	06:17:32	RES(64N)	Default [CPS]	Default [CPS]
6	Mar08,02	15:30:38	TEMP	Default [CPS]	Default [CPS]
	Mar08,02	15:30:38	TEMP	Default [CPS]	Default [CPS]
7	Aug02,99	06:17:32	RES	Default [CPS]	Default [CPS]
	Aug02,99	06:17:32	RES	Default [CPS]	Default [CPS]

COMPANY : NORTHERN ENERGY MINING INC
 WELL : RHTR 2005 - 9
 FIELD : ROMAN MTN
 COUNTY : TUMBLER RIDGE
 STATE : BRITISH COLUMBIA

OTHER SERVICES:
 9057
 9410
 9139

LOCATION :
 SECTION :
 TOWNSHIP :
 RANGE :
 API NO. :
 UNIQUE WELL ID. :
 PERMANENT DATUM : GL
 LOG MEASURED FROM : GL
 DRL MEASURED FROM : GL

ELEVATION KB :
 ELEVATION DF :
 ELEVATION GL :

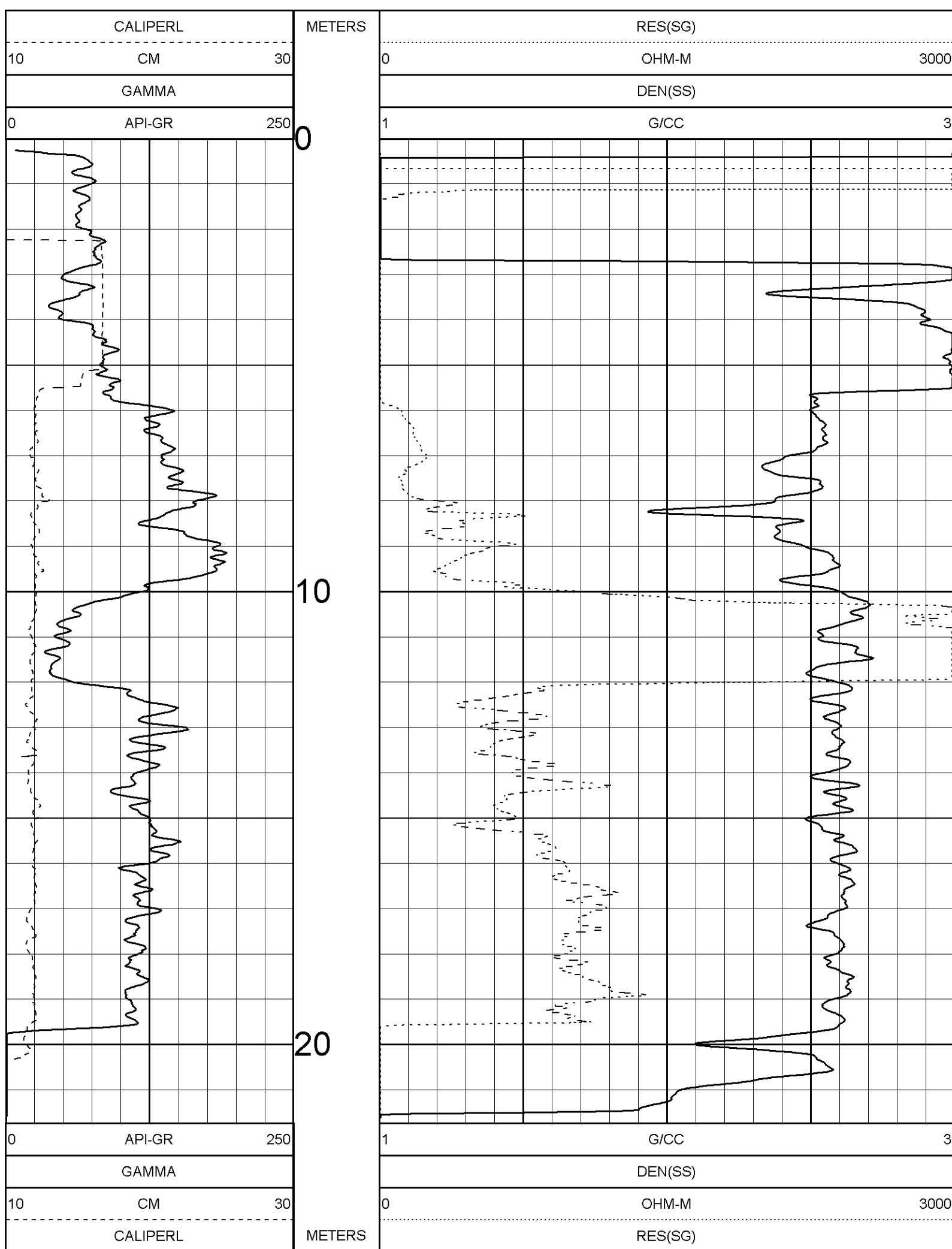
DATE : 08/04/05
 DEPTH DRILLER : 25
 BIT SIZE : 11.43
 LOG TOP : 0.20
 LOG BOTTOM : 21.89
 CASING OD : 10.2
 CASING BOTTOM : 3.04
 CASING TYPE : HW
 BOREHOLE FLUID : WATER
 RM TEMPERATURE :
 MUD RES :
 MUD WEIGHT :
 RECORDED BY : J. SINKWICH
 REMARKS 1 :
 REMARKS 2 :

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS

SHORT-SPACE DENSITY RHTR 2005 - 9 08/04/05

LOG PARAMETERS

MATRIX DENSITY : 2.65 NEUTRON MATRIX : SANDSTONE MATRIX DELTA T : 140
 MAGNETIC DECL : 21 ELECT. CUTOFF : 77777 BIT SIZE : 11.43
 PRESENTATION NAME/DATE = 9139short space.0 08/05/2005



SHORT-SPACE DENSITY RHTR 2005 - 9 08/04/05

LOG PARAMETERS

MATRIX DENSITY : 2.65 NEUTRON MATRIX : SANDSTONE MATRIX DELTA T : 140
 MAGNETIC DECL : 21 ELECT. CUTOFF : 77777 BIT SIZE : 11.43
 PRESENTATION NAME/DATE = 9139short space.0 08/05/2005

TOOL CALIBRATION RHTR 2005 - 9 08/04/05 16:59
 TOOL 9139A1 TM VERSION 0
 SERIAL NUMBER 963

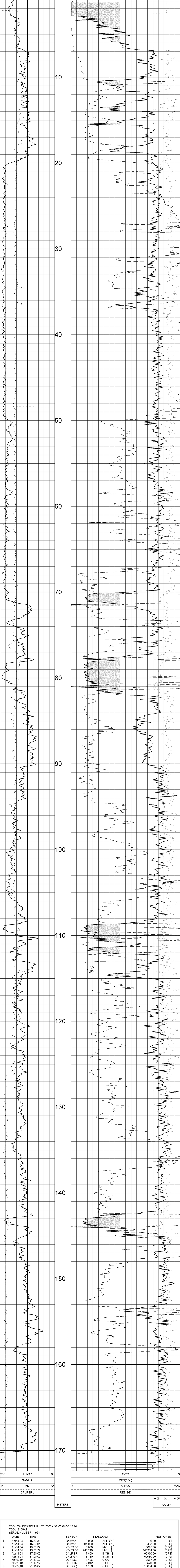
	DATE	TIME	SENSOR	STANDARD	RESPONSE
1	Apr14,04	15:57:31	GAMMA	0.000 [API-GR]	6.00 [CPS]
	Apr14,04	15:57:31	GAMMA	331.000 [API-GR]	488.00 [CPS]
2	Apr14,04	15:57:37	VOLTAGE	0.000 [MV]	5095.00 [CPS]
	Apr14,04	15:57:37	VOLTAGE	1740.210 [MV]	142354.00 [CPS]
3	Apr14,04	17:20:00	CALIPER	7.850 [INCH]	90360.00 [CPS]
	Apr14,04	17:20:00	CALIPER	3.850 [INCH]	52980.00 [CPS]
4	Nov29,04	21:17:27	DEN(LS)	1.106 [G/CC]	9557.00 [CPS]
	Nov29,04	21:17:27	DEN(LS)	2.612 [G/CC]	573.00 [CPS]
5	Nov29,04	21:18:07	DEN(SS)	1.106 [G/CC]	16034.00 [CPS]
	Nov29,04	21:18:07	DEN(SS)	2.612 [G/CC]	5131.00 [CPS]
6	May08,05	11:26:04	CALIPERL	7.620 [INCH]	47938.00 [CPS]
	May08,05	11:26:04	CALIPERL	25.400 [INCH]	79160.00 [CPS]
7	Apr14,04	15:58:08	CURRENT	0.000 [UA]	4640.00 [CPS]
	Apr14,04	15:58:08	CURRENT	249.000 [UA]	37608.00 [CPS]
8	Apr14,04	15:58:28	TEMP	170.000 [DEG F]	95500.00 [CPS]
	Apr14,04	15:58:28	TEMP	68.000 [DEG F]	50541.00 [CPS]

COMPANY	NORTHERN ENERGY MINING INC	OTHER SERVICES:	6095
WELL	RH TR 2005 - 10		9199
FIELD	ROMAN MTN		9410
MUNICIPALITY	TUMBLER RIDGE		
PROVINCE	BRITISH COLUMBIA		

LOCATION			
SECTION			
TOWNSHIP			
RANGE			
APN NO.			
UNIQUE WELL ID.			
PERMANENT DATUM	GL	ELEVATION K8:	
LOG MEASURED FROM GL		ELEVATION D1:	
DEL MEASURED FROM GL		ELEVATION G1:	

DATE	08/04/05
RUN NO.	1
DEPTH DRILLER	170
BIT SIZE	11.43
LOG TOP	0.28
LOG BOTTOM	-122.27
CASING OD	-10.2
CASING BOTTOM	8.09
CASING TYPE	HW
BOREHOLE FLUID	GEL
BOREHOLE TEMPERATURE	
RA TEMPERATURE	
MUD RES	
WITNESSED BY	RON
RECORDED BY	T BOOS
REMARKS 1	HOLE ANGLE 45 DEGREES AZIMUTH 200 DEGREES
REMARKS 2	

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS.



TOOL CALIBRATION RH TR 2005 - 10 08/04/05 15:24
TOOL 9139A1
SERIAL NUMBER 963

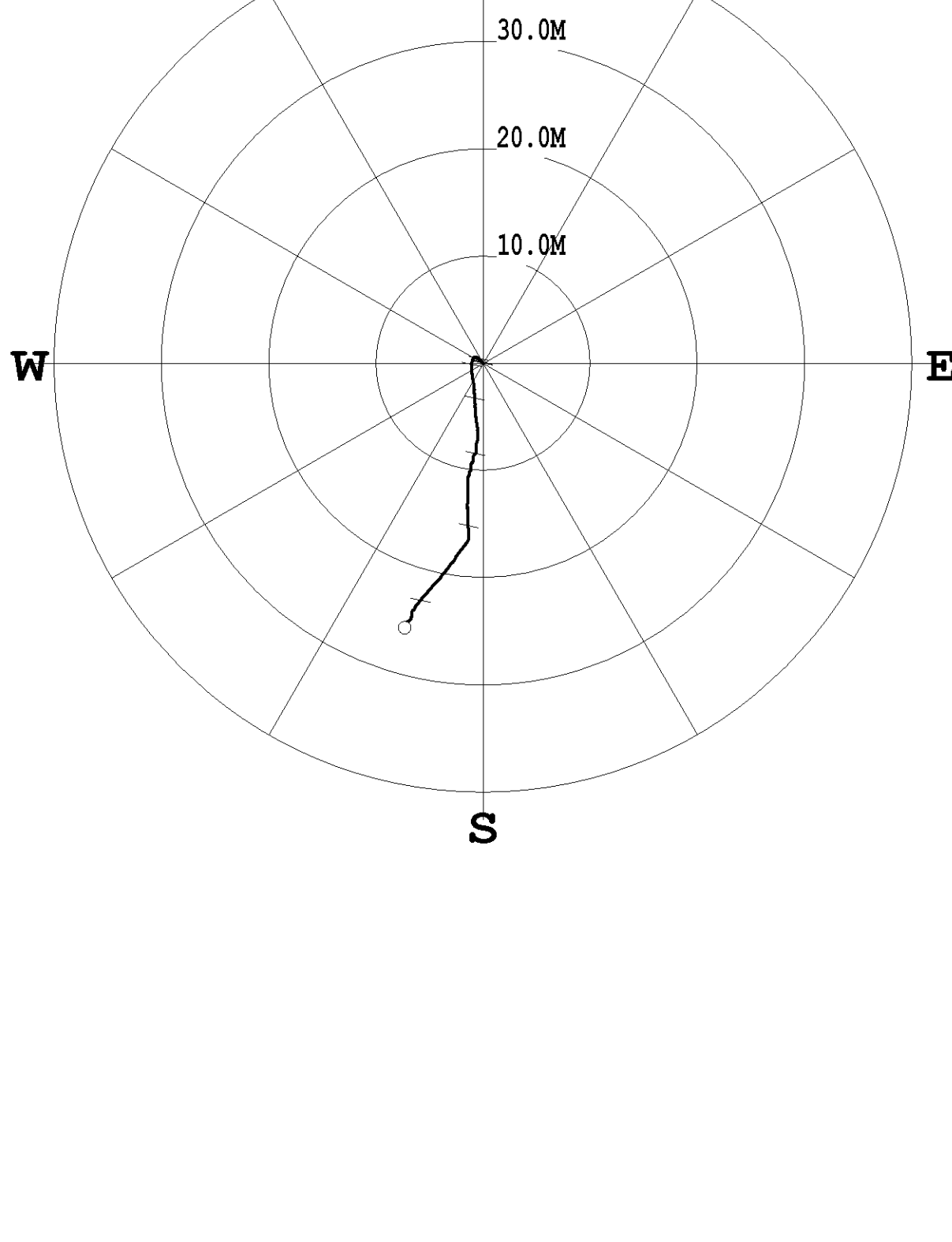
DATE	TIME	SENSOR	STANDARD	RESPONSE	CPS
1	Apr14,04 15:57:31	GAMMA	0.000 [API-GR]	6.00	[CPS]
2	Apr14,04 15:57:31	VOLTAGE	331.000 [API-GR]	488.00	[CPS]
3	Apr14,04 15:57:37	VOLTAGE	0.000 [MV]	5395.00	[CPS]
3	Apr14,04 17:20:00	CALIPER	1740.210 [MV]	142354.00	[CPS]
4	Apr14,04 17:20:00	CALIPER	7.850 [INCH]	90360.00	[CPS]
4	Apr14,04 17:20:00	CALIPER	3.850 [INCH]	52980.00	[CPS]
4	Nov29,04 21:17:27	DEN(LS)	1.106 [G/CC]	9573.00	[CPS]
5	Nov29,04 21:18:07	DEN(SS)	2.612 [G/CC]	5151.00	[CPS]
5	Nov29,04 21:18:07	DEN(SS)	1.106 [G/CC]	16034.00	[CPS]
6	May08,05 11:28:04	CALIPERL	2.612 [G/CC]	5151.00	[CPS]
7	Apr14,04 15:58:08	CALIPERL	7.620 [INCH]	47898.00	[CPS]
8	Apr14,04 15:58:28	CALIPERL	25.400 [INCH]	79160.00	[CPS]
8	Apr14,04 15:58:28	CURRENT	0.000 [UA]	4640.00	[CPS]
8	Apr14,04 15:58:28	CURRENT	249.000 [UA]	37608.00	[CPS]
8	Apr14,04 15:58:28	TEMP	170.000 [DEG F]	95500.00	[CPS]
8	Apr14,04 15:58:28	TEMP	68.000 [DEG F]	50541.00	[CPS]

PLAN VIEW COMPU-LOG DEVIATION

CLIENT: NORTHERN ENERGY MINING INC
LOCATION: ROMAN MTN
HOLE ID: RHTR 2005 - 10
DATE OF LOG: 08/04/05
PROBE: 9057A 1067

MAG DECL: 21.0

SCALE: 5 M/CM
TRUE DEPTH: 167.32 M
AZIMUTH: 196.5
DISTANCE: 25.7 M
+ = 20 M INCR
○ = BOTTOM OF HOLE

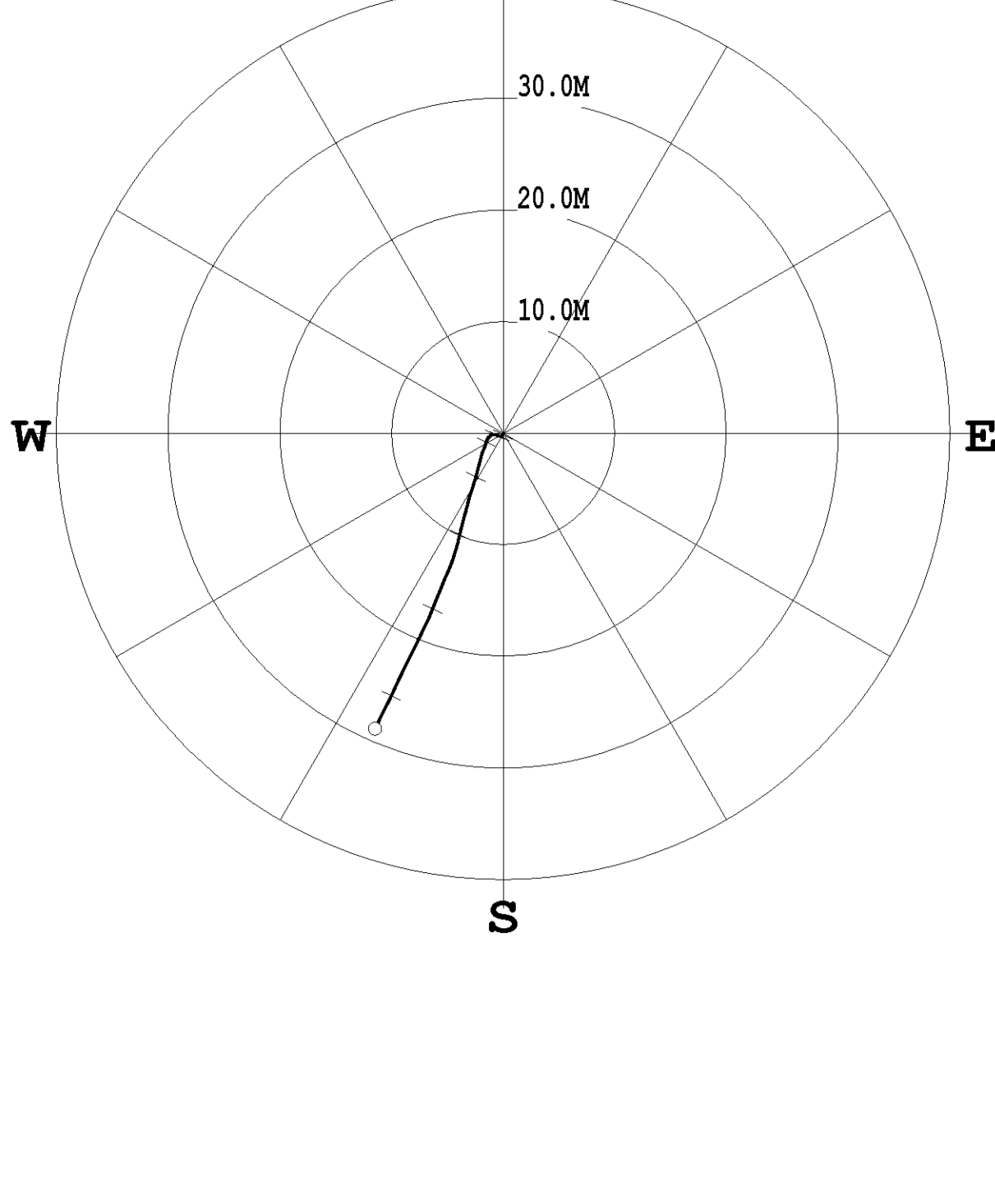


PLAN VIEW COMPU-LOG DEVIATION

CLIENT: NORTHERN ENERGY MINING INC
LOCATION: ROMAN MTN
HOLE ID: RHTR 2005 - 10
DATE OF LOG: 08/04/05
PROBE: 9410A 377

MAG DECL: 21.0

SCALE: 5 M/CM
TRUE DEPTH: 167.56 M
AZIMUTH: 203.4
DISTANCE: 28.8 M
+ = 20 M INCR
○ = BOTTOM OF HOLE



COMPANY: NORTHERN ENERGY MINING INC
WELL: RHTR 2005 - 10
FIELD: ROMANI MTN
COUNTY: TIMBLER RIDGE
STATE: BRITISH COLUMBIA

OTHER SERVICES:
853746
8957
9410

LOCATION:
SECTION:
TOWNSHIP:
RANGE:
APRNO:
LINE/WE/LL ID:

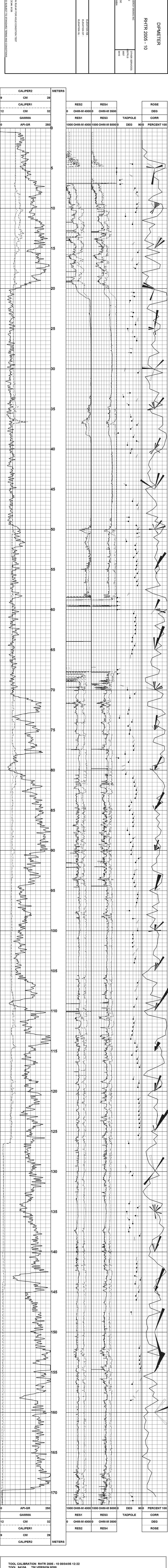
PERMANENT DATUM: G1
LOG MEASURED FROM: GL
DEL MEASURED FROM: GL
DATE: 20050525
DEPT/ DRILLER: 206
BIT SIZE: 11.43
LOG TOP: 0.47
LOG BOTTOM: 171.50
CASING OD: 10.2
CASING BOTTOM: 304

ELEVATION NS:
ELEVATION DE:
ELEVATION GL:
ELEVATION RT:

CASING TYPE: HW
BOREHOLE FLUID:
RAM TEMPERATURE:
MUD RES:
MUD WEIGHT:

RECORDED BY: J. SIKKACH
REMARKS 1: NO SOURCE ON RUN #1 FOR HOLE CONDITION TEST
REMARKS 2: OTHER SERVICE #4: 9139

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS.

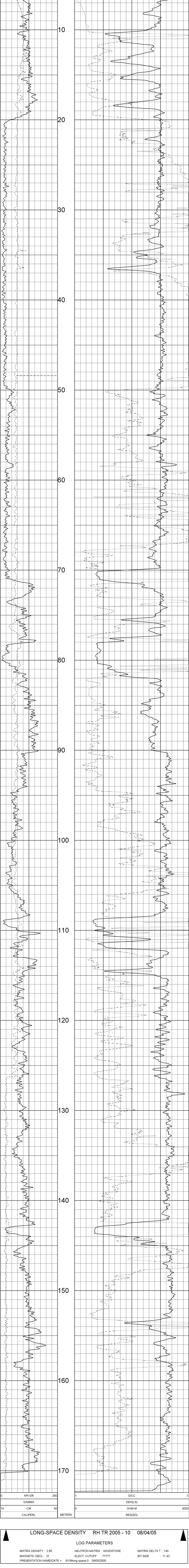


TOOL CALIBRATION RHTR 2005 - 10 08/04/05 12:22
 TOOL 9410A TM VERSION 9200
 SERIAL NUMBER 377

DATE	TIME	SENSOR	STANDARD	RESPONSE
1	Dec19,03 17:08:45	GAMMA	20.000 [API-GR]	5.00 [CPS]
2	Dec19,03 16:08:45	GAMMA	275.000 [API-GR]	140.00 [CPS]
3	Mar16,04 16:33:35	VOLTAGE	Default [MV]	Default [CPS]
3	Mar16,04 16:33:35	VOLTAGE	341.000 [MV]	1830.00 [CPS]
4	Mar16,04 16:33:49	CUR1	Default [UA]	Default [CPS]
4	Mar16,04 16:33:49	CUR1	2135.000 [UA]	18740.00 [CPS]
5	Mar16,04 16:34:03	CUR2	Default [UA]	Default [CPS]
5	Mar16,04 16:34:03	CUR2	2135.000 [UA]	19170.00 [CPS]
6	Mar16,04 16:34:18	CUR3	Default [UA]	Default [CPS]
6	Mar16,04 16:34:18	CUR3	2135.000 [UA]	17360.00 [CPS]
7	Mar16,04 16:34:31	CUR4	Default [UA]	Default [CPS]
7	Mar16,04 16:34:31	CUR4	2135.000 [UA]	13950.00 [CPS]
7	Mar16,04 17:09:48	CALIPER	15.240 [INCH]	10944.00 [CPS]
7	Mar16,04 17:09:48	CALIPER	20.320 [INCH]	13890.00 [CPS]

LONG-SPACE DENSITY RH TR 2005 - 10 08/04/05

LOG PARAMETERS
MATRIX DENSITY : 2.65 NEUTRON MATRIX : SANDSTONE MATRIX DELTA T : 140
MAGNETIC DECL : 21 ELECT. CUTOFF : 77777 BIT SIZE : 11.43
PRESENTATION NAME/DATE = 9139long space 0 08/05/2005



LONG-SPACE DENSITY RH TR 2005 - 10 08/04/05

LOG PARAMETERS
MATRIX DENSITY : 2.65 NEUTRON MATRIX : SANDSTONE MATRIX DELTA T : 140
MAGNETIC DECL : 21 ELECT. CUTOFF : 77777 BIT SIZE : 11.43
PRESENTATION NAME/DATE = 9139long space 0 08/05/2005

TOOL CALIBRATION RH TR 2005 - 10 08/04/05 15:24
SERIAL NUMBER 993

DATE	TIME	SENSOR	STANDARD	RESPONSE
1	Apr14,04 15:57:31	GAMMA	0.000 [API-GR]	6.00 [CPS]
2	Apr14,04 15:57:31	GAMMA	331.000 [API-GR]	488.00 [CPS]
3	Apr14,04 15:57:37	VOLTAGE	0.000 [MV]	5095.00 [CPS]
4	Apr14,04 17:20:00	VOLTAGE	1740.240 [MV]	142354.00 [CPS]
5	Apr14,04 17:20:00	CALIPER	7.850 [INCH]	30380.00 [CPS]
6	Apr14,04 17:20:00	CALIPER	3.850 [INCH]	52980.00 [CPS]
7	Nov29,04 21:17:27	DEN(LS)	1.106 [G/CC]	573.00 [CPS]
8	Nov29,04 21:17:27	DEN(LS)	2.612 [G/CC]	9557.00 [CPS]
9	Nov29,04 21:18:07	DEN(SS)	1.106 [G/CC]	16034.00 [CPS]
10	Nov29,04 21:18:07	DEN(SS)	2.612 [G/CC]	5131.00 [CPS]
11	May08,05 11:28:04	CALIPERL	7.620 [INCH]	47038.00 [CPS]
12	May08,05 11:28:04	CALIPERL	25.400 [INCH]	79180.00 [CPS]
13	Apr14,04 15:58:08	CURRENT	0.000 [UA]	4640.00 [CPS]
14	Apr14,04 15:58:08	CURRENT	249.000 [UA]	37608.00 [CPS]
15	Apr14,04 15:58:28	TEMP	170.000 [DEG F]	95500.00 [CPS]
16	Apr14,04 15:58:28	TEMP	68.000 [DEG F]	50541.00 [CPS]

COMPANY	NORTHERN ENERGYMINING INC	OTHER SERVICES	
WELL	RHTR 2005 - 10	ASSTG	
FIELD	ROMANI MTR	9057	
COUNTY	TUMBER RIDGE	9198	
STATE	BRITISH COLUMBIA		

LOCATION		ELEVATION RB :	
SECTION		ELEVATION BF :	
TOWNSHIP		ELEVATION GL :	
RANGE			
APN NO.			
UNIQUE WELL ID			
PERMANENT DATUM	91		
LOG MEASURED FROM GL			
DEL. MEASURED FROM GL			

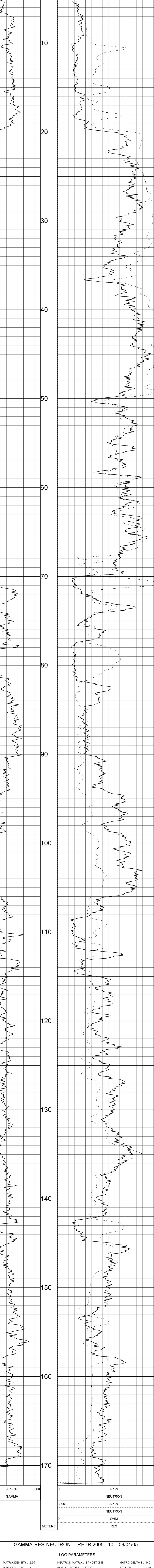
DATE	08/04/05
DEPTH DRIENER	206
BIT SIZE	11.43
LOG TOP	0.26
LOG BOTTOM	172.18
CASING OD	10.2
CASING BOTTOM	3.94
CASING TYPE	HW
BOREHOLE FLUID	
RM TEMPERATURE	
MUD RES	
MUD WEIGHT	

RECORDED BY : J. SIMKACH
 REMARKS 1 : NO SOURCE ON RUN #1 FOR HOLE CONDITION TEST
 REMARKS 2 : OTHER SERVICE #4 9410
 ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS.

GAMMA-RES-NEUTRON RHTR 2005 - 10 08/04/05

LOG PARAMETERS

MATRIX DENSITY : 2.65	NEUTRON MATRIX : SANDSTONE	MATRIX DELTA T : 140
MAGNETIC DECL : 21	ELECT. CUTOFF : 77777	BIT SIZE : 11.43
PRESENTATION NAME/DATE = 9057A 0 07/19/2005		



GAMMA-RES-NEUTRON RHTR 2005 - 10 08/04/05

LOG PARAMETERS

MATRIX DENSITY : 2.65	NEUTRON MATRIX : SANDSTONE	MATRIX DELTA T : 140
MAGNETIC DECL : 21	ELECT. CUTOFF : 77777	BIT SIZE : 11.43
PRESENTATION NAME/DATE = 9057A 0 07/19/2005		

DATE	TIME	SENSOR	STANDARD	RESPONSE
1	Apr12.02 01:41:30	GAMMA	0 000 [API-GR]	10 00 [CPS]
1	Apr12.02 00:41:30	GAMMA	290.000 [API-GR]	350.00 [CPS]
2	Aug02.99 06:17:32	NEUTROI	Default [CPS]	Default [CPS]
2	Aug02.99 06:17:32	NEUTROI	Default [CPS]	Default [CPS]
3	Aug02.99 06:17:32	SP	Default [CPS]	Default [CPS]
3	Aug02.99 06:17:32	SP	Default [CPS]	Default [CPS]
4	Feb22.02 21:30:07	RES(16N)	Default [CPS]	Default [CPS]
4	Feb22.02 21:30:07	RES(16N)	Default [CPS]	Default [CPS]
5	Aug02.99 06:17:32	RES(64N)	Default [CPS]	Default [CPS]
5	Aug02.99 06:17:32	RES(64N)	Default [CPS]	Default [CPS]
6	Mar08.02 15:30:38	TEMP	Default [CPS]	Default [CPS]
6	Mar08.02 15:30:38	TEMP	Default [CPS]	Default [CPS]
7	Aug02.99 06:17:32	RES	Default [CPS]	Default [CPS]
7	Aug02.99 06:17:32	RES	Default [CPS]	Default [CPS]

Century GEOPHYSICAL CORP.

GAMMA - CALIPER - RESISTIVITY COMPENSATED DENSITY

RHTR 2005 - 11

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NORTHERN ENERGY MINING INC
RHTR 2005 - 11

OTHER SERVICES:
9055
9139
9410

WELL : RHTR 2005 - 11
FIELD : ROMAN MTN
MUNICIPALITY : TUMBLER RIDGE
PROVINCE : BRITISH COLUMBIA

LOCATION :
SECTION :
TOWNSHIP :
RANGE :
API NO. :
UNIQUE WELL ID. :

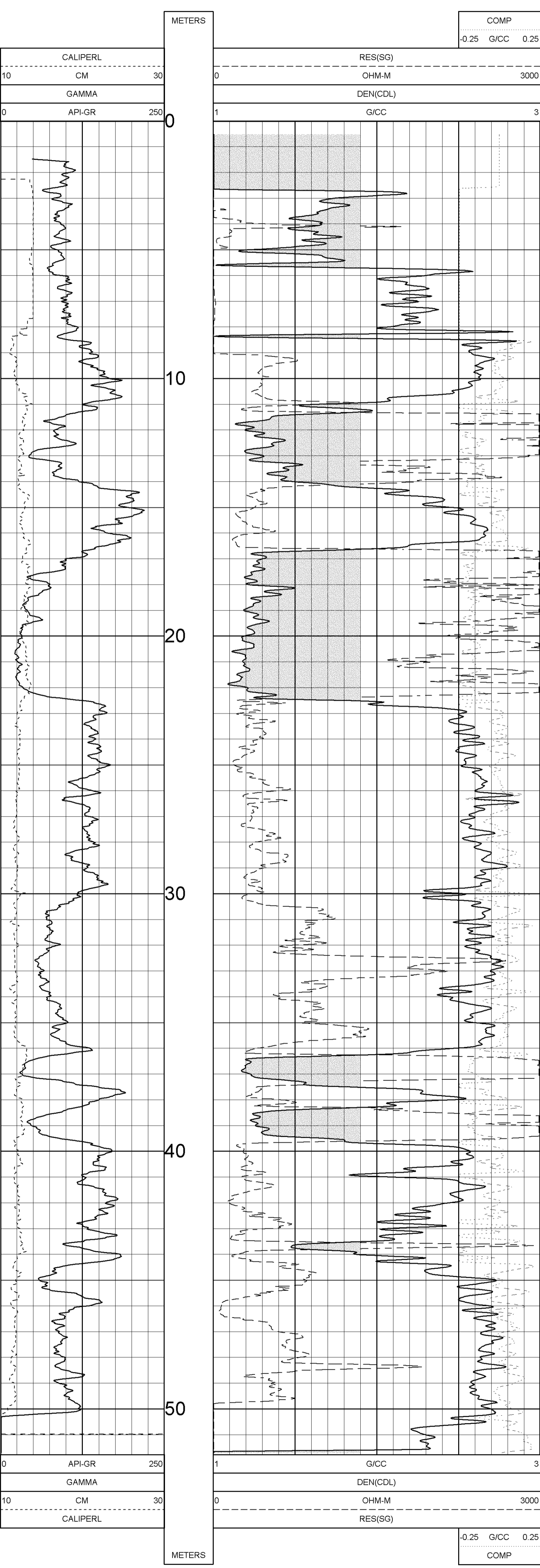
PERMANENT DATUM : GL
LOG MEASURED FROM : GL
DRL MEASURED FROM : GL

ELEVATION KB :
ELEVATION DF :
ELEVATION GL :

DATE : 08/07/05
RUN NO. : 2
DEPTH DRILLER :
BIT SIZE :
LOG TOP :
LOG BOTTOM :

CASING OD : 13.3
CASING BOTTOM : 6.09
CASING TYPE : HW
BOREHOLE FLUID : WATER
BMT TEMPERATURE :
MUD RES :
WITNESSED BY : RON
RECORDED BY : J. SINKWICH
REMARKS 1 : ANGLED HOLE: 65 DEGREES
REMARKS 2 :

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS

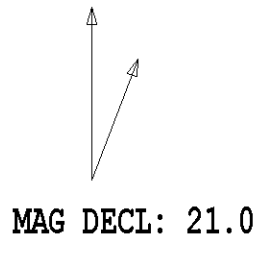


TOOL CALIBRATION RHTR 2005 - 11 08/07/05 15:37
TOOL 9139A1
SERIAL NUMBER 963

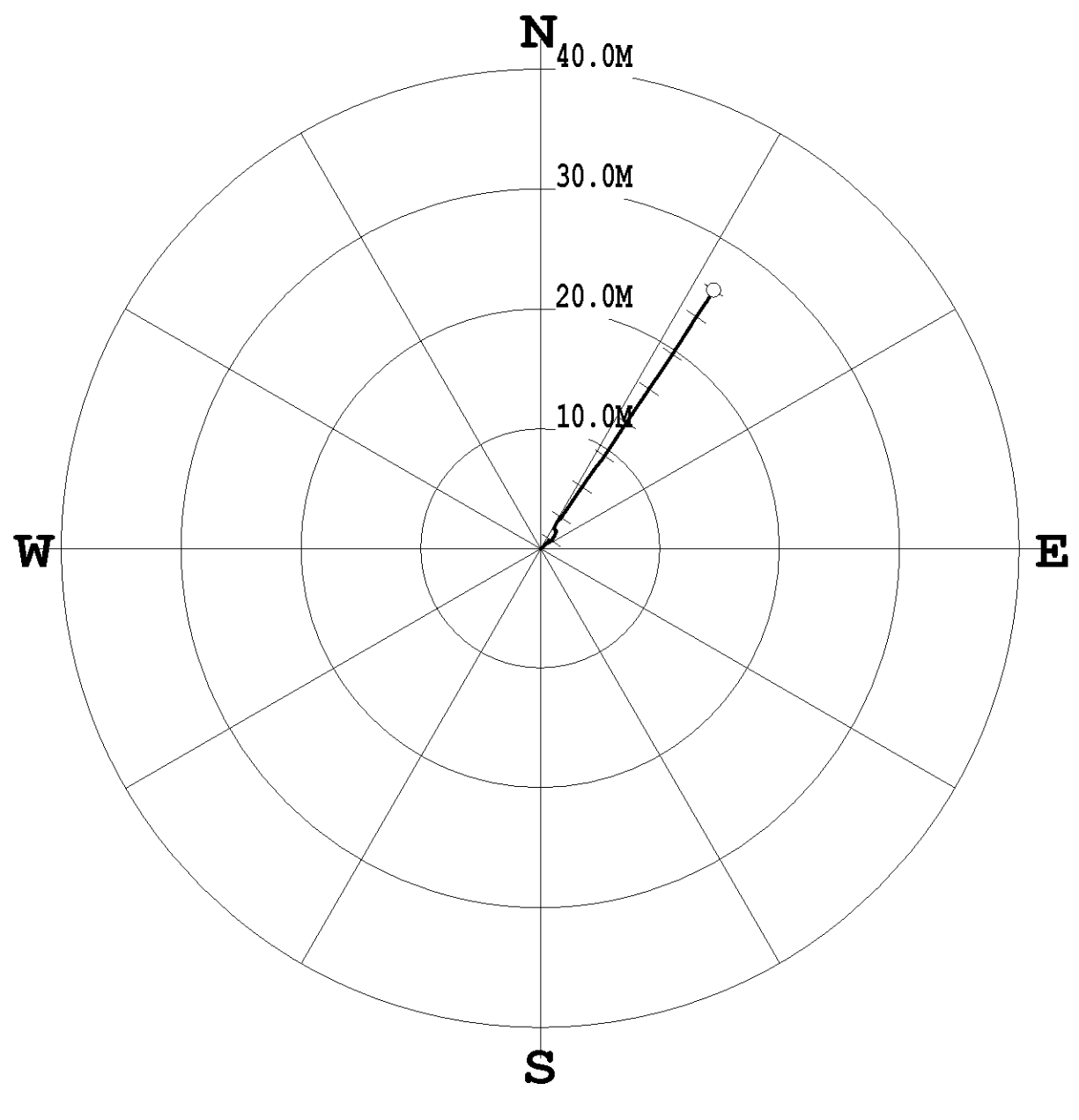
DATE	TIME	SENSOR	STANDARD	RESPONSE
1	Apr14,04 15:57:31	GAMMA	0.000 [API-GR]	6.00 [CPS]
2	Apr14,04 15:57:31	GAMMA	331.000 [API-GR]	488.00 [CPS]
3	Apr14,04 15:57:37	VOLTAGE	0.000 [MV]	5095.00 [CPS]
4	Apr14,04 15:57:37	VOLTAGE	1740.210 [MV]	90360.00 [CPS]
5	Apr14,04 17:20:00	CALIPER	7.850 [INCH]	90360.00 [CPS]
6	Apr14,04 17:20:00	CALIPER	3.850 [INCH]	52980.00 [CPS]
7	Nov29,04 21:17:27	DEN(LS)	1.106 [G/CC]	9557.00 [CPS]
8	Nov29,04 21:17:27	DEN(LS)	2.612 [G/CC]	573.00 [CPS]
9	Nov29,04 21:18:07	DEN(SS)	1.106 [G/CC]	1603.00 [CPS]
10	Nov29,04 21:18:07	DEN(SS)	2.612 [G/CC]	5131.00 [CPS]
11	May08,05 11:26:04	CALIPERL	7.620 [INCH]	47938.00 [CPS]
12	May08,05 11:26:04	CALIPERL	25.400 [INCH]	79160.00 [CPS]
13	Apr14,04 15:58:08	CURRENT	0.000 [UA]	4640.00 [CPS]
14	Apr14,04 15:58:08	CURRENT	249.000 [UA]	37608.00 [CPS]
15	Apr14,04 15:58:28	TEMP	170.000 [DEG F]	95500.00 [CPS]
16	Apr14,04 15:58:28	TEMP	68.000 [DEG F]	50541.00 [CPS]

PLAN VIEW COMPU-LOG DEVIATION

CLIENT: NORTHERN ENERGY MINING INC
LOCATION: ROMAN MTN
HOLE ID: RHTR 2005 - 11
DATE OF LOG: 08/07/05
PROBE: 9055A 80



SCALE: 5 M/CM
TRUE DEPTH: 43.48 M
AZIMUTH: 33.9
DISTANCE: 26.0 M
+ = 5 M INCR
○ = BOTTOM OF HOLE

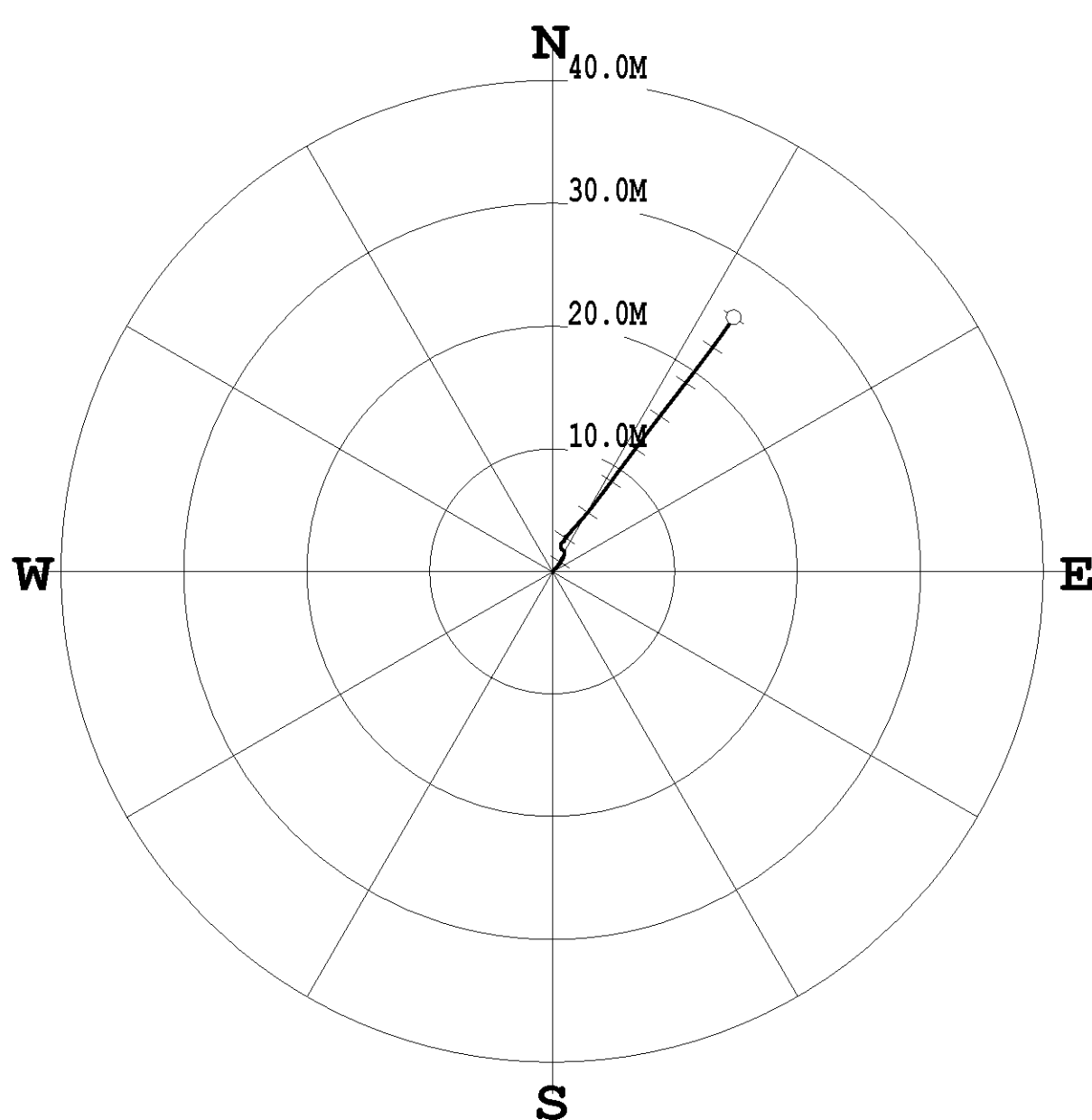


PLAN VIEW COMPU-LOG DEVIATION

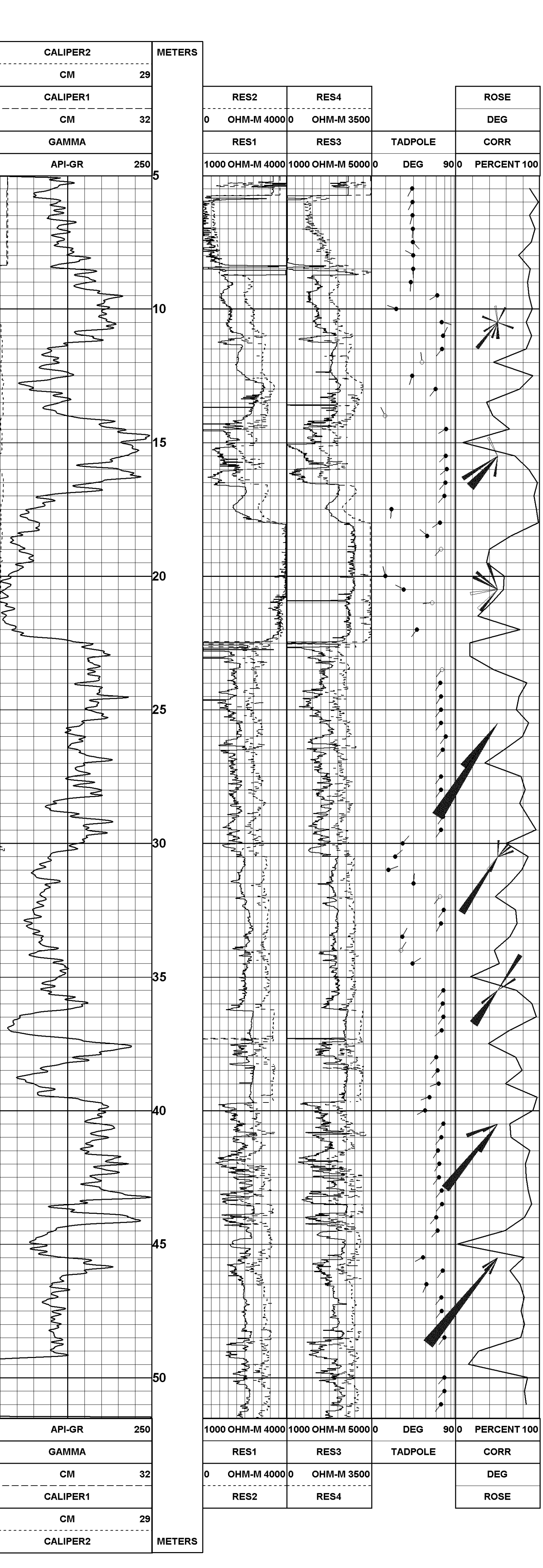
CLIENT: NORTHERN ENERGY MINING INC
LOCATION: ROMAN MTN
HOLE ID: RHTR 2005 - 11
DATE OF LOG: 08/07/05
PROBE: 9410A 377

MAG DECL: 21.0

SCALE: 5 M/CM
TRUE DEPTH: 43.98 M
AZIMUTH: 35.5
DISTANCE: 25.4 M
+ = 5 M INCR
○ = BOTTOM OF HOLE



COMPANY	NORTHERN ENERGY MINING INC	OTHER SERVICES:	
WELL	RHTR 2005 - 11	9055	
FIELD	ROMAN MTN	9139	
MUNICIPALITY	TUMBLER RIDGE	9410	
PROVINCE	BRITISH COLUMBIA		
LOCATION			
SECTION			
TOWNSHIP			
RANGE			
API NO.			
UNIQUE WELL ID.			
PERMANENT DATUM	:GL	ELEVATION KB :	
LOG MEASURED FROM	:GL	ELEVATION DF :	
DRL MEASURED FROM	:GL	ELEVATION GL :	
DATE	:08/07/05		
RUN NO.	:3		
DEPTH DRILLER	:S2		
BIT SIZE	:11.43		
LOG TOP	:3.14		
LOG BOTTOM	:51.50		
CASING OD	:13.3		
CASING BOTTOM	:6.09		
CASING TYPE	:HW		
BOREHOLE FLUID	:WATER		
RM TEMPERATURE	:		
MUD RES	:		
WITNESSED BY	:RON		
RECORDED BY	:J. SINKWICH		
REMARKS 1	: ANGLED HOLE: 65 DEGREES		
REMARKS 2	:		



TOOL CALIBRATION RHTR 2005 - 11 08/07/05 16:01
 TOOL 9410A
 SERIAL NUMBER 377

DATE	TIME	SENSOR	STANDARD	RESPONSE
1	Dec19,03	16:08:45	GAMMA 20.000	[API-GR] 5.00 [CPS]
1	Dec19,03	16:08:45	GAMMA 275.000	[API-GR] 140.00 [CPS]
2	Mar16,04	16:33:35	VOLTAGE 341.000	[MV] Default [CPS]
2	Mar16,04	16:33:35	VOLTAGE 341.000	[MV] 1830.00 [CPS]
3	Mar16,04	16:33:49	CUR1 Default	[CPS] Default [CPS]
3	Mar16,04	16:33:49	CUR1 2135.000	[UA] 18740.00 [CPS]
4	Mar16,04	16:34:03	CUR2 Default	[CPS] Default [CPS]
4	Mar16,04	16:34:03	CUR2 2135.000	[UA] 19170.00 [CPS]
5	Mar16,04	16:34:18	CUR3 Default	[CPS] Default [CPS]
5	Mar16,04	16:34:18	CUR3 2135.000	[UA] 17360.00 [CPS]
6	Mar16,04	16:34:31	CUR4 Default	[CPS] Default [CPS]
6	Mar16,04	16:34:31	CUR4 2135.000	[UA] 13950.00 [CPS]
7	Mar16,04	17:09:48	CALIPER 15.240	[INCH] 10944.00 [CPS]
7	Mar16,04	17:09:48	CALIPER 20.320	[INCH] 13890.00 [CPS]



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**GAMMA - CALIPER - RESISTIVITY
DENSITY - LONG SPACE**

RHTR 2005 - 11

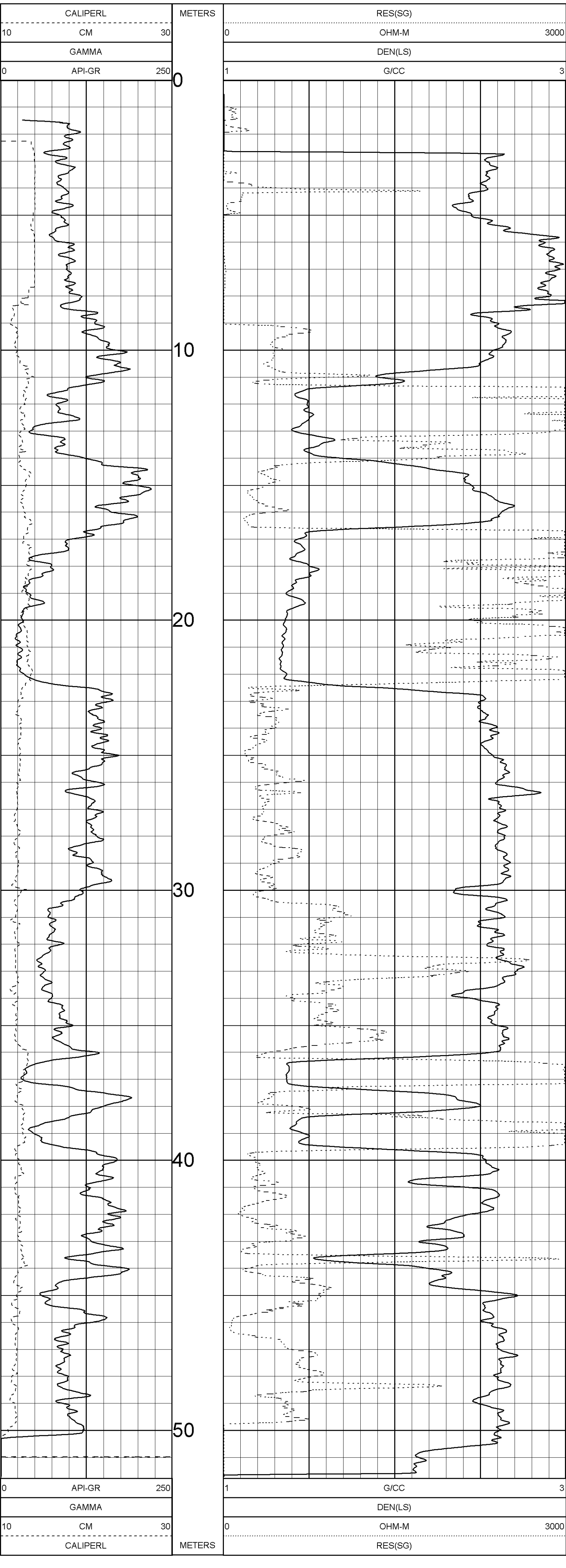
COMPANY : NORTHERN ENERGY MINING INC
WELL : RHTR 2005 - 11
FIELD : ROMAN MTN
MUNICIPALITY : TUMBLER RIDGE
PROVINCE : BRITISH COLUMBIA

OTHER SERVICES:
9055
9139
9410

LOCATION :
SECTION :
TOWNSHIP :
RANGE :
API NO. :
UNIQUE WELL ID. :

PERMANENT DATUM : GL
LOG MEASURED FROM : GL
DRL MEASURED FROM : GL
DATE : 08/07/05

DEPTH DRILLER :
BIT SIZE : .1143
LOG TOP : 0.48
LOG BOTTOM : 51.74
CASING OD : 13.3
CASING BOTTOM : 6.09
CASING TYPE : HW
BOREHOLE FLUID : WATER
MUD RES :
WITNESSED BY : RON
RECORDED BY : J. SINKWICH
REMARKS 1 : ANGLED HOLE, 65 DEGREES
REMARKS 2 :



TOOL CALIBRATION RHTR 2005 - 11 08/07/05 15:37
TOOL 9139A1
SERIAL NUMBER 963

DATE	TIME	SENSOR	STANDARD	RESPONSE
1	Apr14,04 15:57:31	GAMMA	0.000 [API-GR]	6.00 [CPS]
	Apr14,04 15:57:31	GAMMA	331.000 [API-GR]	488.00 [CPS]
2	Apr14,04 15:57:37	VOLTAGE	0.000 [MV]	5095.00 [CPS]
	Apr14,04 15:57:37	VOLTAGE	1740.210 [MV]	142354.00 [CPS]
3	Apr14,04 17:20:00	CALIPER	7.850 [INCH]	90360.00 [CPS]
	Apr14,04 17:20:00	CALIPER	3.850 [INCH]	52980.00 [CPS]
4	Nov29,04 21:17:27	DEN(LS)	1.106 [G/CC]	9557.00 [CPS]
	Nov29,04 21:17:27	DEN(LS)	2.612 [G/CC]	573.00 [CPS]
5	Nov29,04 21:18:07	DEN(SS)	1.106 [G/CC]	16034.00 [CPS]
	Nov29,04 21:18:07	DEN(SS)	2.612 [G/CC]	5131.00 [CPS]
6	May08,05 11:26:04	CALIPERL	7.620 [INCH]	47938.00 [CPS]
	May08,05 11:26:04	CALIPERL	25.400 [INCH]	79160.00 [CPS]
7	Apr14,04 15:58:08	CURRENT	0.000 [UA]	4640.00 [CPS]
	Apr14,04 15:58:08	CURRENT	249.000 [UA]	37608.00 [CPS]
8	Apr14,04 15:58:28	TEMP	170.000 [DEG F]	95500.00 [CPS]
	Apr14,04 15:58:28	TEMP	68.000 [DEG F]	50541.00 [CPS]

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS



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GAMMA - NEUTRON

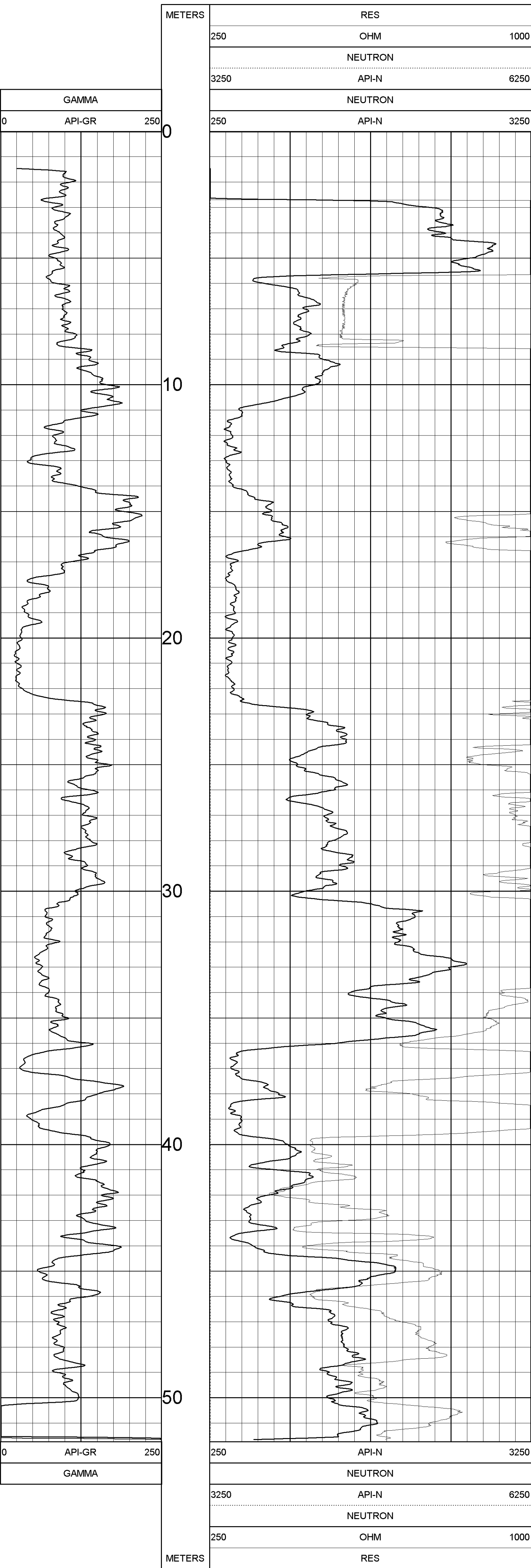
RHTR 2005 - 11

COMPANY: NORTHERN ENERGY MINING INC
 WELL: RHTR 2005 - 11
 FIELD: ROMAN MTN
 MUNICIPALITY: TUMBLER RIDGE
 PROVINCE: BRITISH COLUMBIA

OTHER SERVICES:
 9056
 9139
 9410

LOCATION :
 SECTION :
 TOWNSHIP :
 RANGE :
 API NO. :
 UNIQUE WELL ID :
 PERMANENT DATUM : GL
 LOG MEASURED FROM : GL
 DRL MEASURED FROM : GL
 ELEVATION KB :
 ELEVATION DF :
 ELEVATION GL :

DATE: 08/07/05
 RUN NO.: 1
 DEPTH DRILLER: :52
 BIT SIZE: :11.43
 LOG TOP: :1.45
 LOG BOTTOM: :51.70
 CASING OD: :13.3
 CASING BOTTOM: :6.09
 CASING TYPE: HW
 BOREHOLE FLUID: WATER
 RM TEMPERATURE :
 MUD RES :
 WITNESSED BY: RON
 RECORDED BY: J. SINKWICH
 REMARKS 1: ANGLED HOLE: 65 DEGREES
 REMARKS 2: :
 ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS



TOOL CALIBRATION RHTR 2005 - 11 08/07/05 15:17
 TOOL 9055A
 SERIAL NUMBER 80

	DATE	TIME	SENSOR	STANDARD	RESPONSE
1	Jul27,04	08:52:42	GAMMA	15.000 [API-GR]	1.00 [CPS]
	Jul27,04	07:52:42	GAMMA	250.000 [API-GR]	240.00 [CPS]
2	May24,99	13:14:46	POROSI	185.000 [CPS]	
3	May24,99	13:14:46	RES	Default [CPS]	Default [CPS]
4	May24,99	13:14:46	SP	Default [CPS]	Default [CPS]
	May24,99	13:14:46	SP	Default [CPS]	Default [CPS]
5	May21,04	19:23:23	NEUTROI	Default [CPS]	Default [CPS]
	May21,04	19:23:23	NEUTRC	271.000 [API-N]	185.00 [CPS]
6	Feb20,02	17:17:55	TEMP	51.000 [DEG F]	1104.00 [CPS]
	Feb20,02	17:17:55	TEMP	95.200 [DEG F]	450.00 [CPS]



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**GAMMA - CALIPER - RESISTIVITY
DENSITY - SHORT SPACE**

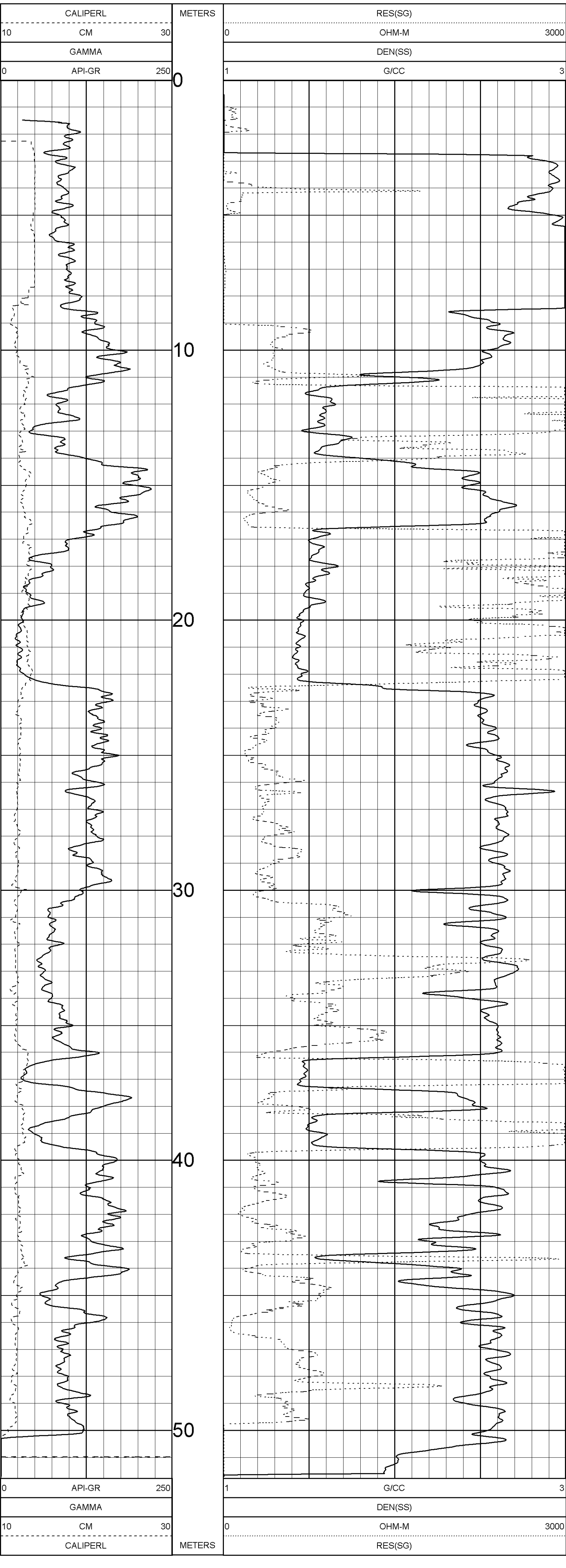
RHTR 2005 - 11

COMPANY : NORTHERN ENERGY MINING INC
 WELL : RHTR 2005 - 11
 FIELD : ROMAN MTN
 MUNICIPALITY : TUMBLER RIDGE
 PROVINCE : BRITISH COLUMBIA

OTHER SERVICES:
 9055
 9139
 9410

LOCATION :
 SECTION :
 TOWNSHIP :
 RANGE :
 API NO. :
 UNIQUE WELL ID. :
 PERMANENT DATUM : GL
 LOG MEASURED FROM : GL
 DRL MEASURED FROM : GL
 DATE : 08/07/05
 RUN NO. : 2
 DEPTH DRILLER :
 BIT SIZE : .1143
 LOG TOP : 0.48
 LOG BOTTOM : 51.74
 CASING OD : .13.3
 CASING BOTTOM : 6.09
 CASING TYPE : HW
 BOREHOLE FLUID : WATER
 RM TEMPERATURE :
 MUD RES :
 WITNESSED BY : RON
 RECORDED BY : J. SINKWICH
 REMARKS 1 : ANGLED HOLE: 65 DEGREES
 REMARKS 2 :

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS



TOOL CALIBRATION RHTR 2005 - 11 08/07/05 15:37
 TOOL 9139A1
 SERIAL NUMBER 963

DATE	TIME	SENSOR	STANDARD	RESPONSE
1	Apr14,04 15:57:31	GAMMA	0.000 [API-GR]	6.00 [CPS]
	Apr14,04 15:57:31	GAMMA	331.000 [API-GR]	488.00 [CPS]
2	Apr14,04 15:57:37	VOLTAGE	0.000 [MV]	5095.00 [CPS]
	Apr14,04 15:57:37	VOLTAGE	1740.210 [MV]	142354.00 [CPS]
3	Apr14,04 17:20:00	CALIPER	7.850 [INCH]	90360.00 [CPS]
	Apr14,04 17:20:00	CALIPER	3.850 [INCH]	52980.00 [CPS]
4	Nov29,04 21:17:27	DEN(LS)	1.106 [G/CC]	9557.00 [CPS]
	Nov29,04 21:17:27	DEN(LS)	2.612 [G/CC]	573.00 [CPS]
5	Nov29,04 21:18:07	DEN(SS)	1.106 [G/CC]	16034.00 [CPS]
	Nov29,04 21:18:07	DEN(SS)	2.612 [G/CC]	5131.00 [CPS]
6	May08,05 11:26:04	CALIPERL	7.620 [INCH]	47938.00 [CPS]
	May08,05 11:26:04	CALIPERL	25.400 [INCH]	79160.00 [CPS]
7	Apr14,04 15:58:08	CURRENT	0.000 [UA]	4640.00 [CPS]
	Apr14,04 15:58:08	CURRENT	249.000 [UA]	37608.00 [CPS]
8	Apr14,04 15:58:28	TEMP	170.000 [DEG F]	95500.00 [CPS]
	Apr14,04 15:58:28	TEMP	68.000 [DEG F]	50541.00 [CPS]



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**GAMMA - CALIPER - RESISTIVITY
COMPENSATED DENSITY**

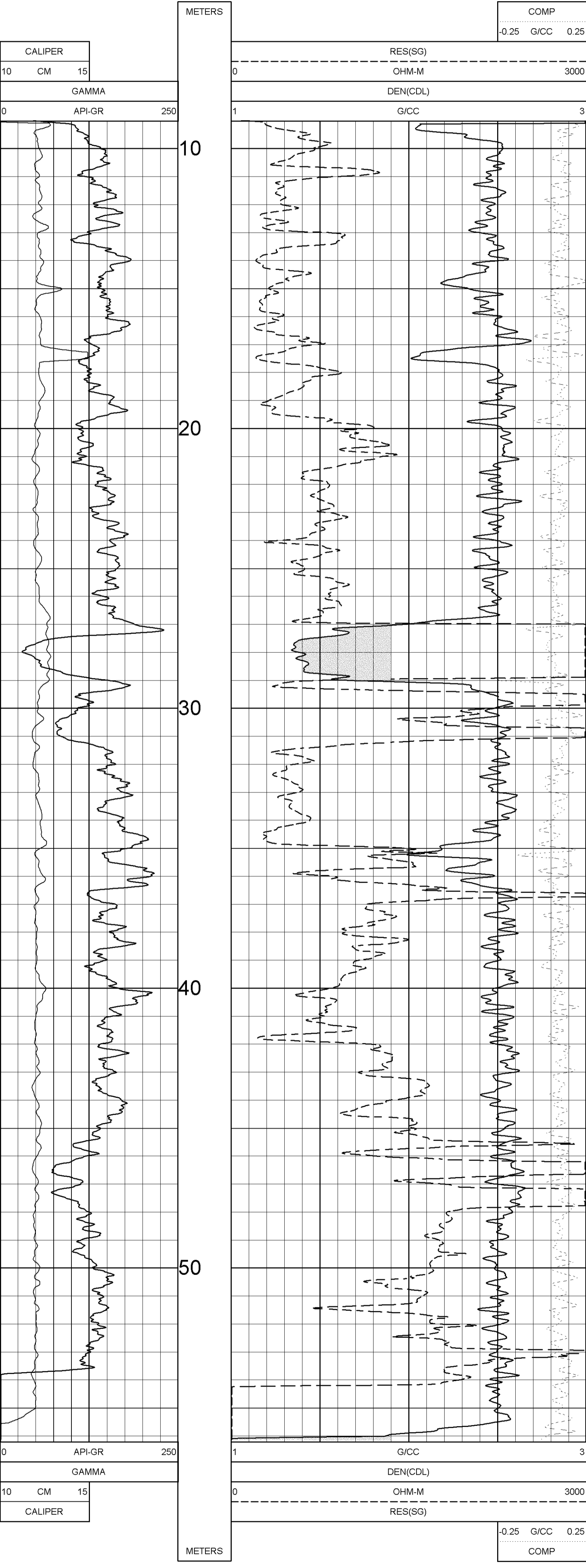
RHTR 2005 - 12

COMPANY: NORTHERN ENERGY MINING INC
 WELL: RHTR 2005 - 12
 FIELD: ROMAN MTN
 MUNICIPALITY: TUMBLER RIDGE
 PROVINCE: BRITISH COLUMBIA

OTHER SERVICES:
 9055
 9139
 9410

LOCATION: :
 SECTION: :
 TOWNSHIP: :
 RANGE: :
 API NO.: :
 UNIQUE WELL ID.: :
 PERMANENT DATUM: .GL ELEVATION KB: :
 LOG MEASURED FROM: .GL ELEVATION DF: :
 DRL MEASURED FROM: .GL ELEVATION GL: :

DATE: .08/19/05
 RUN NO.: 2
 DEPTH DRILLER: 57
 BIT SIZE: .1143
 LOG TOP: .1.05
 LOG BOTTOM: .56.18
 CASING OD: .15.24
 CASING BOTTOM: .12.18
 CASING TYPE: HW
 BOREHOLE FLUID: WATER
 RM TEMPERATURE: :
 MUD RES: :
 WITNESSED BY: .RON
 RECORDED BY: .T. Boos
 REMARKS 1: .70 DEGREE ANGLE
 REMARKS 2: :
 ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS



TOOL CALIBRATION RHTR 2005 - 12 08/19/05 20:16
 TOOL 9139A
 SERIAL NUMBER 1240

DATE	TIME	SENSOR	STANDARD	RESPONSE
1	Jul13,05 14:11:07	GAMMA	0.000 [API-GR]	2.00 [CPS]
	Jul13,05 13:11:07	GAMMA	283.000 [API-GR]	294.00 [CPS]
2	Jul13,05 13:00:47	VOLTAGE	0.000 [MV]	4601.00 [CPS]
	Jul13,05 13:00:47	VOLTAGE	1999.000 [MV]	271516.00 [CPS]
3	Aug15,05 18:38:58	CALIPER	10.160 [INCH]	111254.00 [CPS]
	Aug15,05 18:38:58	CALIPER	15.240 [INCH]	342483.00 [CPS]
4	Aug15,05 16:46:42	DEN(LS)	1.106 [G/CC]	7465.00 [CPS]
	Aug15,05 16:46:42	DEN(LS)	2.400 [G/CC]	447.90 [CPS]
5	Aug15,05 16:47:11	DEN(SS)	1.106 [G/CC]	14217.00 [CPS]
	Aug15,05 16:47:11	DEN(SS)	2.400 [G/CC]	4549.44 [CPS]
6	Jul13,05 12:44:29	CALIPERL	6.000 [INCH]	150340.00 [CPS]
	Jul13,05 12:44:29	CALIPERL	12.000 [INCH]	346430.00 [CPS]
7	Jul13,05 13:02:39	CURRENT	0.000 [UA]	5387.00 [CPS]
	Jul13,05 13:02:39	CURRENT	286.390 [UA]	28883.00 [CPS]
8	Jul13,05 14:02:09	TEMP	37.000 [DEG F]	169525.00 [CPS]
	Jul13,05 14:02:09	TEMP	130.000 [DEG F]	438295.00 [CPS]



**GAMMA - CALIPER - RESISTIVITY
DENSITY - LONG SPACE**

RHTR 2005 - 12

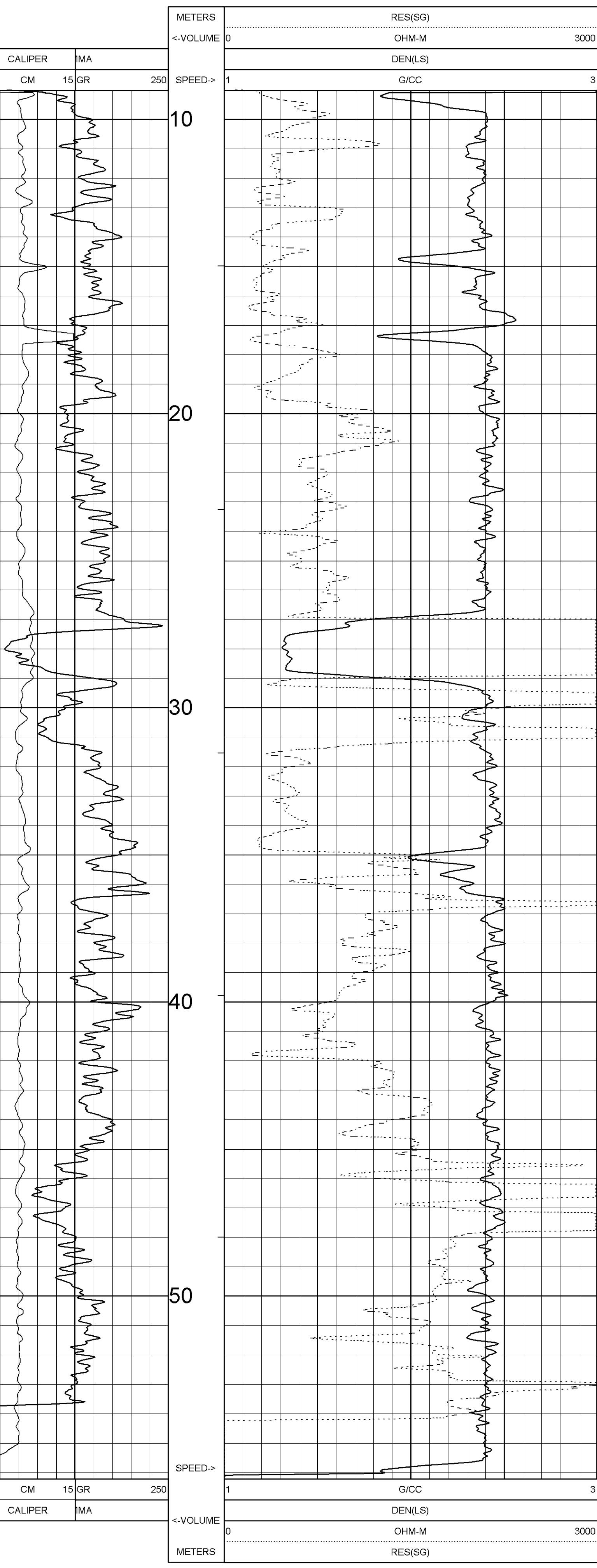
century-geo.com

COMPANY	NORTHERN ENERGY MINING INC	OTHER SERVICES:
WELL	RHTR 2005 - 12	9055
FIELD	ROMAN MTN	9139
MUNICIPALITY	TUMBLER RIDGE	9410
PROVINCE	BRITISH COLUMBIA	

LOCATION	
SECTION	
TOWNSHIP	
RANGE	
API NO.	
UNIQUE WELL ID.	

PERMANENT DATUM	GL	ELEVATION KB :
LOG MEASURED FROM	GL	ELEVATION DF :
DRL MEASURED FROM	GL	ELEVATION GL :

DATE	08/19/05
RUN NO.	2
DEPTH DRILLER	57
BIT SIZE	11.43
LOG TOP	1.05
LOG BOTTOM	56.18
CASING OD	15.24
CASING BOTTOM	12.18
CASING TYPE	HW
BOREHOLE FLUID	WATER
RM TEMPERATURE	
MUD RES	
WITNESSED BY	RON
RECORDED BY	J. Boos
REMARKS 1	70 DEGREE ANGLE
REMARKS 2	



TOOL CALIBRATION RHTR 2005 - 12 08/19/05 20:16
TOOL 9139A
SERIAL NUMBER 1240

DATE	TIME	SENSOR	STANDARD	RESPONSE
1	Jul13,05 13:11:07	GAMMA	0.000 [API-GR]	2.00 [CPS]
	Jul13,05 13:11:07	GAMMA	283.000 [API-GR]	294.00 [CPS]
2	Jul13,05 13:00:47	VOLTAGE	0.000 [MV]	4601.00 [CPS]
	Jul13,05 13:00:47	VOLTAGE	1999.000 [MV]	271516.00 [CPS]
3	Aug15,05 18:38:58	CALIPER	10.160 [INCH]	111254.00 [CPS]
	Aug15,05 18:38:58	CALIPER	15.240 [INCH]	342483.00 [CPS]
4	Aug15,05 16:46:42	DEN(LS)	1.106 [G/CC]	7465.00 [CPS]
	Aug15,05 16:46:42	DEN(LS)	2.400 [G/CC]	447.90 [CPS]
5	Aug15,05 16:47:11	DEN(SS)	1.106 [G/CC]	14217.00 [CPS]
	Aug15,05 16:47:11	DEN(SS)	2.400 [G/CC]	4549.44 [CPS]
6	Jul13,05 12:44:29	CALIPERL	6.000 [INCH]	150340.00 [CPS]
	Jul13,05 12:44:29	CALIPERL	12.000 [INCH]	346430.00 [CPS]
7	Jul13,05 13:02:39	CURRENT	0.000 [UA]	5387.00 [CPS]
	Jul13,05 13:02:39	CURRENT	286.390 [UA]	28883.00 [CPS]
8	Jul13,05 14:02:09	TEMP	37.000 [DEG F]	169525.00 [CPS]
	Jul13,05 14:02:09	TEMP	130.000 [DEG F]	438295.00 [CPS]

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS

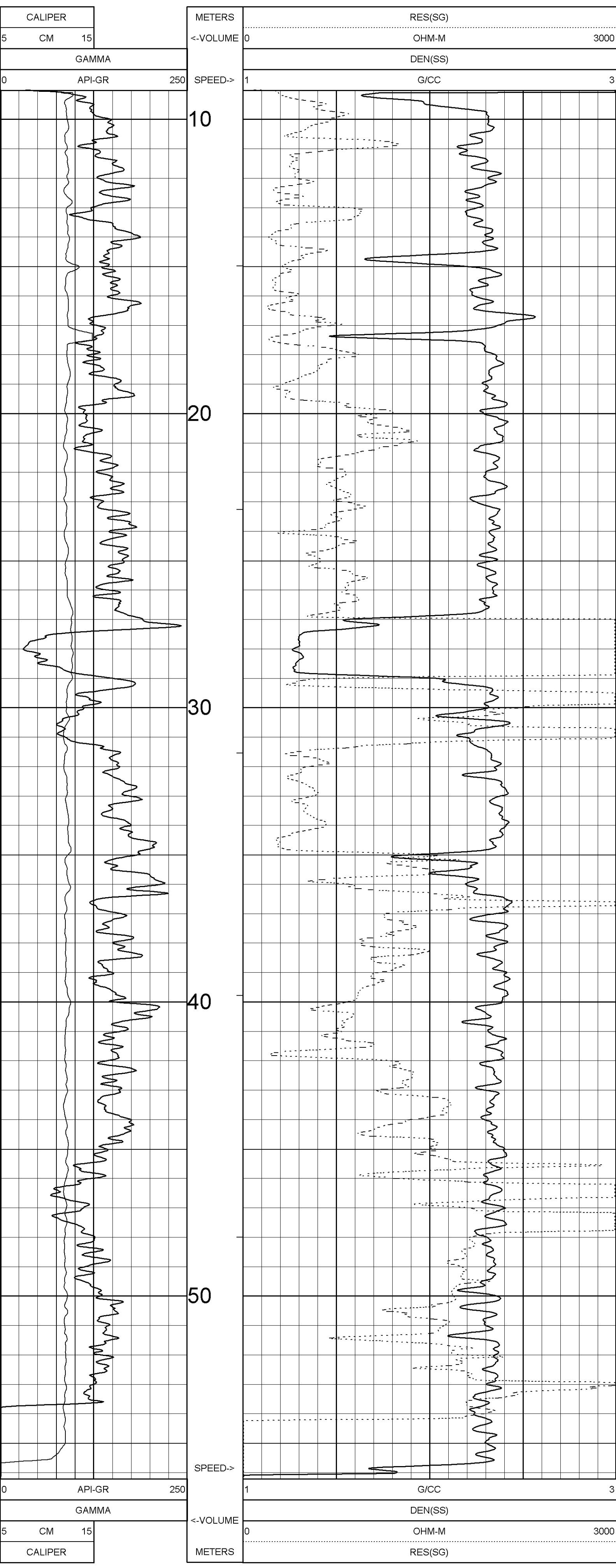


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**GAMMA - CALIPER - RESISTIVITY
DENSITY - SHORT SPACE**

RHTR 2005 - 12

COMPANY	NORTHERN ENERGY MINING INC	OTHER SERVICES:	9055
WELL	RHTR 2005 - 12	FIELD	ROMAN MTN
FIELD	ROMAN MTN	MUNICIPALITY	TUMBLER RIDGE
MUNICIPALITY	TUMBLER RIDGE	PROVINCE	BRITISH COLUMBIA
PROVINCE	BRITISH COLUMBIA	LOCATION	
SECTION		TOWNSHIP	
RANGE		RANGE	
API NO.		API NO.	
UNIQUE WELL ID.		PERMANENT DATUM	9L
		LOG MEASURED FROM	9L
		DRL MEASURED FROM	9L
DATE	08/19/05	ELEVATION KB :	
RUN NO.	2	ELEVATION DF :	
DEPTH DRILLER	57	ELEVATION GL :	
BIT SIZE	11.43		
LOG TOP	1.05		
LOG BOTTOM	56.18		
CASING OD	15.24		
CASING BOTTOM	12.18		
CASING TYPE	H/W		
BOREHOLE FLUID	WATER		
RM TEMPERATURE			
MUD RES			
WITNESSED BY	RON		
RECORDED BY	J. Boos		
REMARKS 1	70 DEGREE ANGLE		
REMARKS 2			



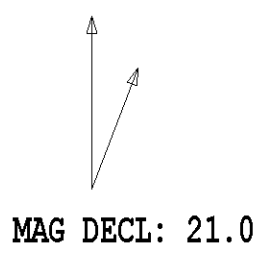
TOOL CALIBRATION RHTR 2005 - 12 08/19/05 20:16
 TOOL 9139A
 SERIAL NUMBER 1240

DATE	TIME	SENSOR	STANDARD	RESPONSE
1	Jul13,05 13:11:07	GAMMA	0.000 [API-GR]	2.00 [CPS]
2	Jul13,05 13:00:47	VOLTAGE	283.000 [API-GR]	294.00 [CPS]
3	Jul13,05 13:00:47	VOLTAGE	0.000 [MV]	4601.00 [CPS]
3	Jul13,05 13:00:47	VOLTAGE	1999.000 [MV]	271516.00 [CPS]
4	Aug15,05 18:38:58	CALIPER	10.160 [INCH]	111254.00 [CPS]
4	Aug15,05 18:38:58	CALIPER	15.240 [INCH]	342483.00 [CPS]
5	Aug15,05 16:46:42	DEN(LS)	1.106 [G/CC]	7465.00 [CPS]
5	Aug15,05 16:46:42	DEN(SS)	2.400 [G/CC]	447.90 [CPS]
5	Aug15,05 16:47:11	DEN(SS)	1.106 [G/CC]	14217.00 [CPS]
5	Aug15,05 16:47:11	DEN(SS)	2.400 [G/CC]	4549.44 [CPS]
6	Jul13,05 12:44:29	CALIPERL	6.000 [INCH]	150340.00 [CPS]
7	Jul13,05 13:02:39	CURRENT	12.000 [INCH]	346430.00 [CPS]
7	Jul13,05 13:02:39	CURRENT	0.000 [UA]	5387.00 [CPS]
7	Jul13,05 13:02:39	CURRENT	286.390 [UA]	28883.00 [CPS]
8	Jul13,05 14:02:09	TEMP	37.000 [DEG F]	169525.00 [CPS]
8	Jul13,05 14:02:09	TEMP	130.000 [DEG F]	438295.00 [CPS]

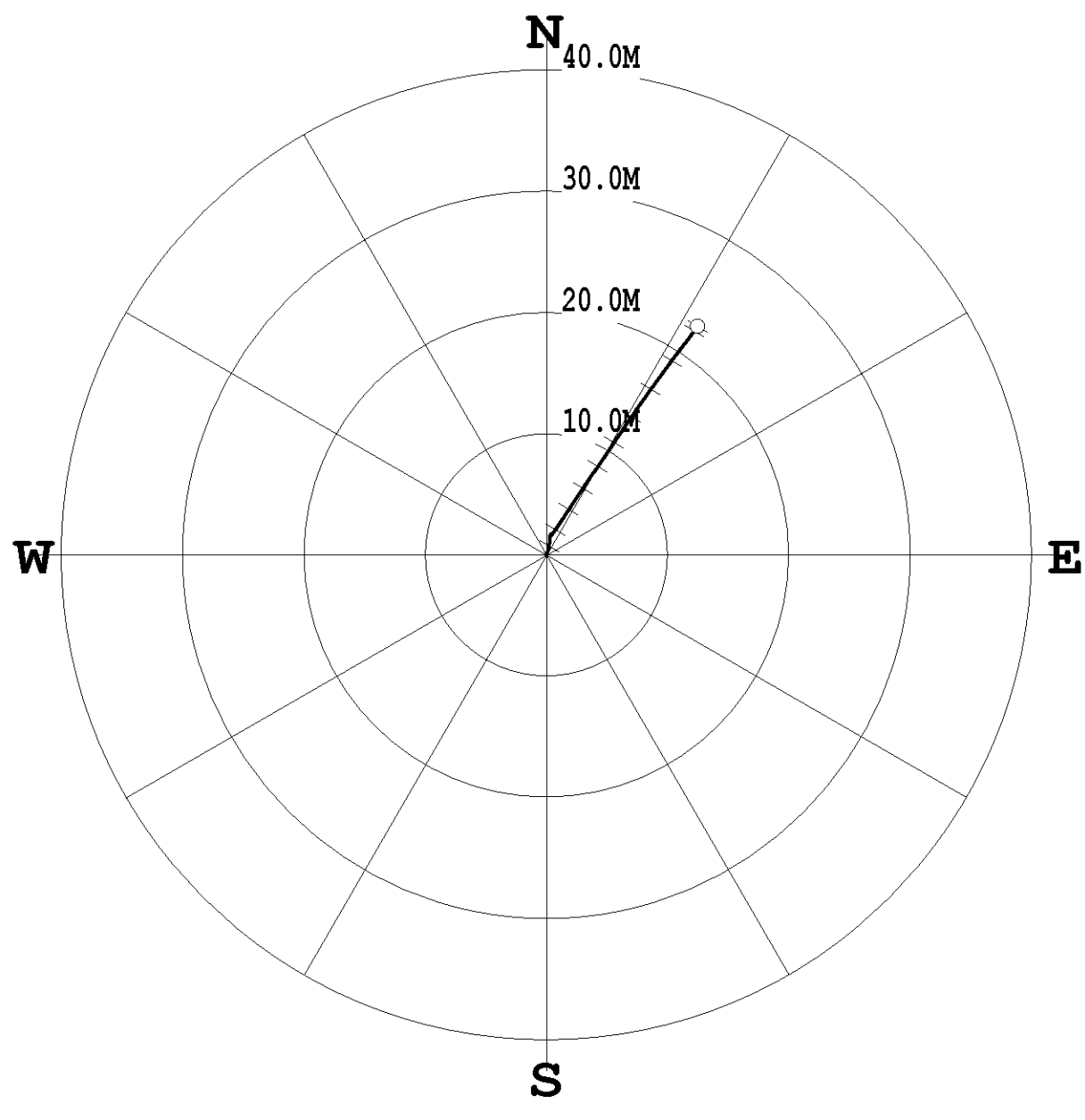
ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS

PLAN VIEW COMPU-LOG DEVIATION

CLIENT: NORTHERN ENERGY MINING INC
LOCATION: ROMAN MTN
HOLE ID: RHTR 2005 - 12
DATE OF LOG: 08/19/05
PROBE: 9055A 80

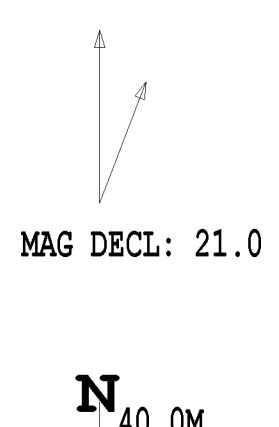


SCALE: 5 M/CM
TRUE DEPTH: 50.74 M
AZIMUTH: 33.4
DISTANCE: 22.6 M
+ = 5 M INCR
○ = BOTTOM OF HOLE

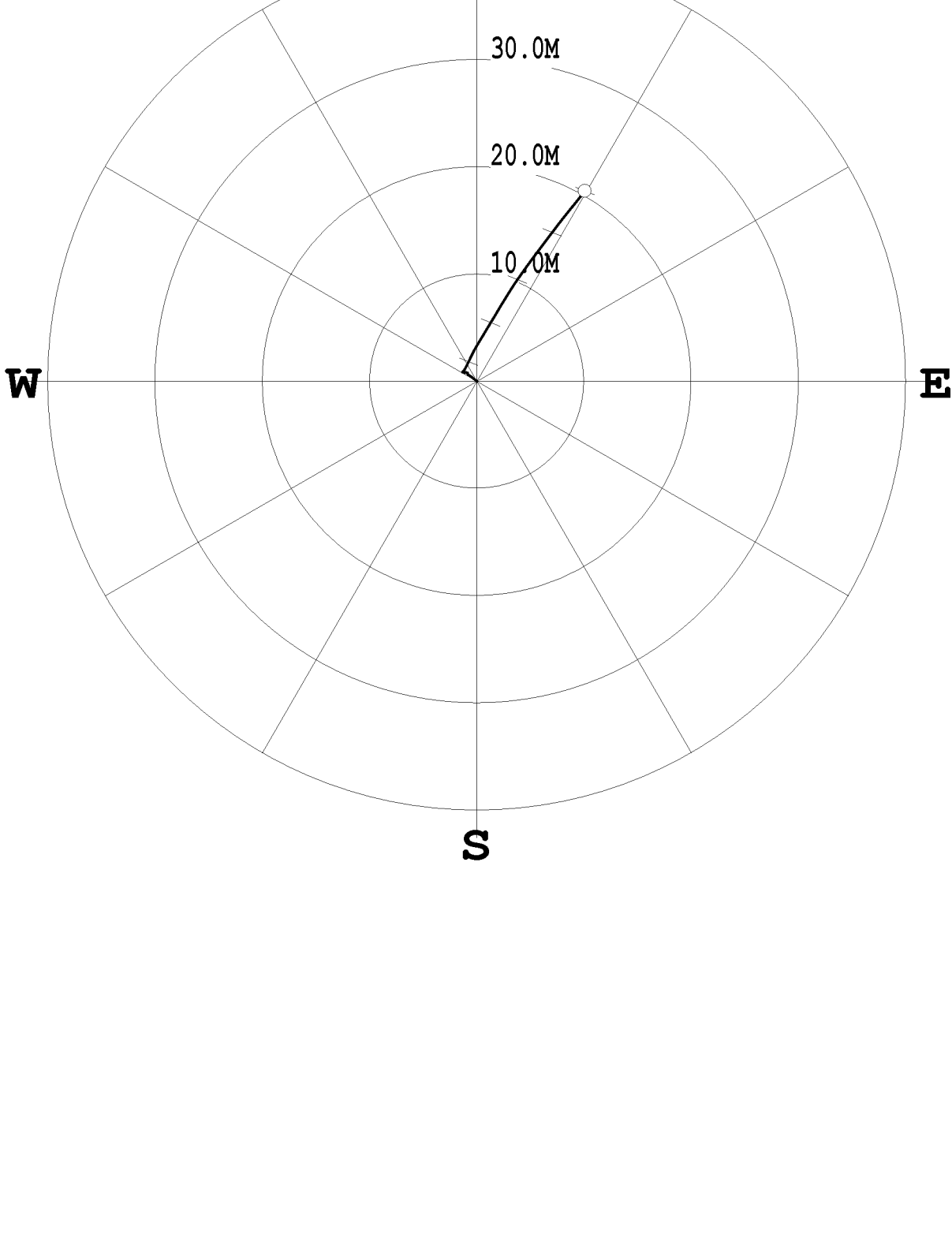


PLAN VIEW COMPU-LOG DEVIATION

CLIENT: NORTHERN ENERGY MINING INC
LOCATION: ROMAN MTN
HOLE ID: RHTR2005 - 12
DATE OF LOG: 08/19/05
PROBE: 9410A 377



SCALE: 5 M/CM
TRUE DEPTH: 48.20 M
AZIMUTH: 29.6
DISTANCE: 20.4 M
+ = 10 M INCR
○ = BOTTOM OF HOLE





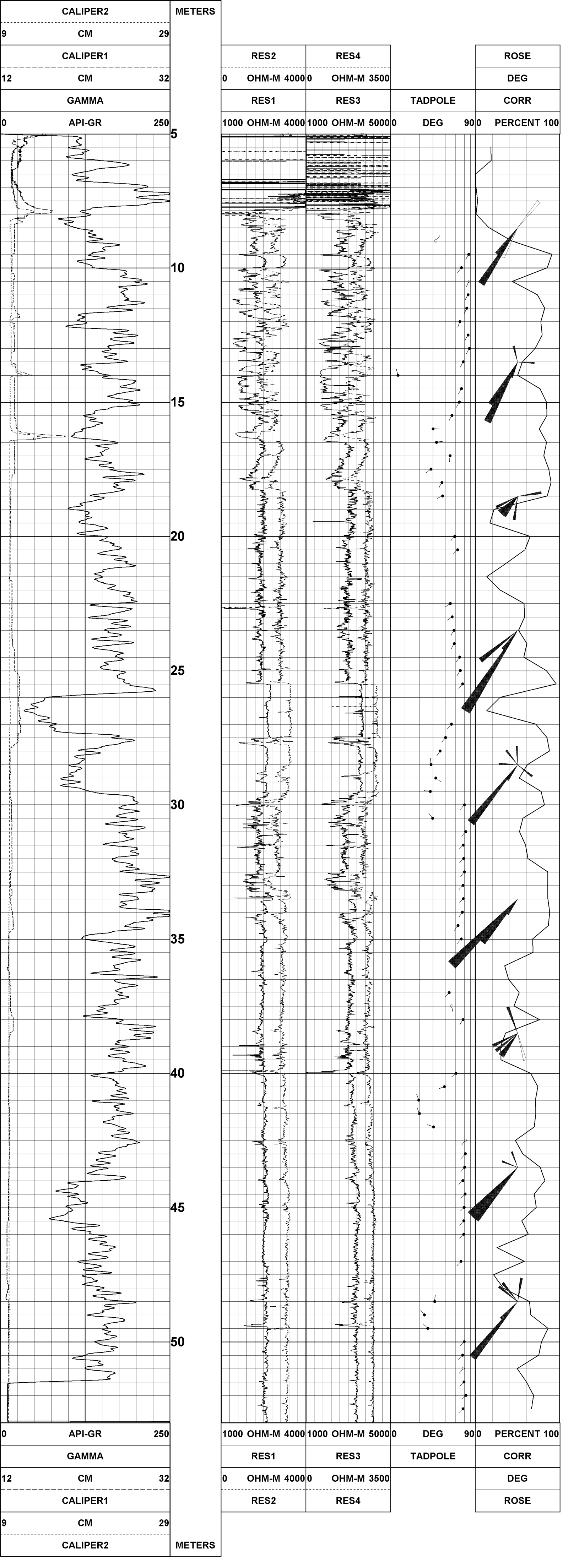
Century-geo.com
 RHTR2005 - 12
 70 DEGREE ANGLE

DIPMETER

COMPANY : NORTHERN ENERGY MINING INC
 WELL : RHTR2005 - 1270 DEGREE ANGLE
 FIELD : ROMAN MTN
 COUNTY : TUMBLER RIDGE
 STATE : BRITISH COLUMBIA

OTHER SERVICES:
 9410

LOCATION :
 SECTION :
 TOWNSHIP :
 RANGE :
 API NO. :
 UNIQUE WELL ID. :
 PERMANENT DATUM : GL
 LOG MEASURED FROM: GL
 DRI MEASURED FROM: GL
 DATE : 08/19/05
 DEPTH DRILLER : 57
 BIT SIZE : 11.43
 LOG TOP : 0.99
 LOG BOTTOM : 53.00
 CASING OD : 10.2
 CASING BOTTOM : 6.1
 CASING TYPE : SURFACE
 BOREHOLE FLUID :
 RM TEMPERATURE :
 MUD RES :
 MUD WEIGHT :
 RECORDED BY : J. SINKWICH
 REMARKS 1 : HOLE ANGLE: 70 DEGREES AZIMUTH: 035 DEGREES
 REMARKS 2 :
 ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS



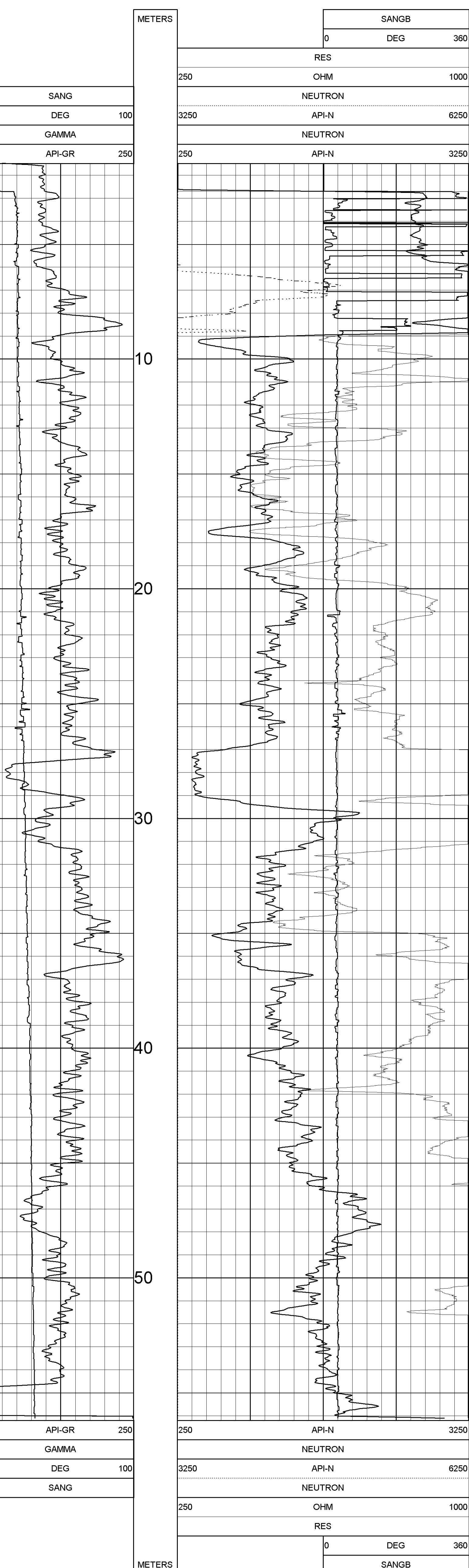
TOOL CALIBRATION RHTR2005 - 12 08/19/05 23:46
 TOOL 9410A TM VERSION 9200
 SERIAL NUMBER 377

DATE	TIME	SENSOR	STANDARD	RESPONSE
1	Dec19,03 17:08:45	GAMMA	20.000 [API-GR]	5.00 [CPS]
1	Dec19,03 17:08:45	GAMMA	275.000 [API-GR]	140.00 [CPS]
2	Mar16,04 16:33:35	VOLTAGE	Default [CPS]	Default [CPS]
2	Mar16,04 16:33:35	VOLTAGE	341.000 [MV]	1830.00 [CPS]
3	Mar16,04 16:33:49	CUR1	Default [CPS]	Default [CPS]
3	Mar16,04 16:33:49	CUR1	2135.000 [UA]	18740.00 [CPS]
4	Mar16,04 16:34:03	CUR2	Default [CPS]	Default [CPS]
4	Mar16,04 16:34:03	CUR2	2135.000 [UA]	19170.00 [CPS]
5	Mar16,04 16:34:18	CUR3	Default [CPS]	Default [CPS]
5	Mar16,04 16:34:18	CUR3	2135.000 [UA]	17360.00 [CPS]
6	Mar16,04 16:34:31	CUR4	Default [CPS]	Default [CPS]
6	Mar16,04 16:34:31	CUR4	2135.000 [UA]	13950.00 [CPS]
7	Mar16,04 17:09:48	CALIPER1	15.240 [INCH]	10944.00 [CPS]
7	Mar16,04 17:09:48	CALIPER1	20.320 [INCH]	13890.00 [CPS]
8	Mar16,04 17:10:00	CALIPER2	15.240 [INCH]	10944.00 [CPS]
8	Mar16,04 17:10:00	CALIPER2	20.320 [INCH]	13890.00 [CPS]

COMPANY	NORTHERN ENERGY MINING INC	OTHER SERVICES:
WELL	RHTR 2005 - 12	9055
FIELD	ROMAN MTN	9139
MUNICIPALITY	TUMBLER RIDGE	9410
PROVINCE	BRITISH COLUMBIA	

LOCATION	:	
SECTION	:	
TOWNSHIP	:	
RANGE	:	
API NO.	:	
UNIQUE WELL ID.	:	
PERMANENT DATUM	:GL	ELEVATION KB :
LOG MEASURED FROM GL		ELEVATION DF :
DRL MEASURED FROM GL		ELEVATION GL :

DATE	08/19/05
RUN NO.	1
DEPTH DRILLER	57
BIT SIZE	11.43
LOG TOP	1.47
LOG BOTTOM	56.18
CASING OD	15.24
CASING BOTTOM	12.18
CASING TYPE	HW
BOREHOLE FLUID	WATER
RM TEMPERATURE	:
MUD RES	:
WITNESSED BY	RON
RECORDED BY	J. Boos
REMARKS 1	70 DEGREE ANGLE
REMARKS 2	:

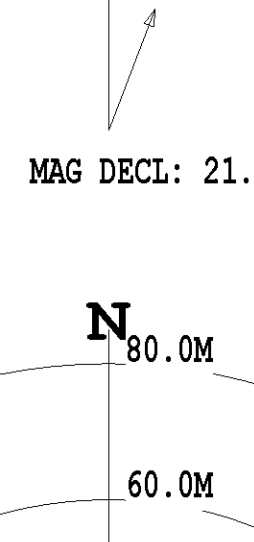


TOOL CALIBRATION RHTR 2005 - 12 08/19/05 20:00
 TOOL 9055A
 SERIAL NUMBER 80

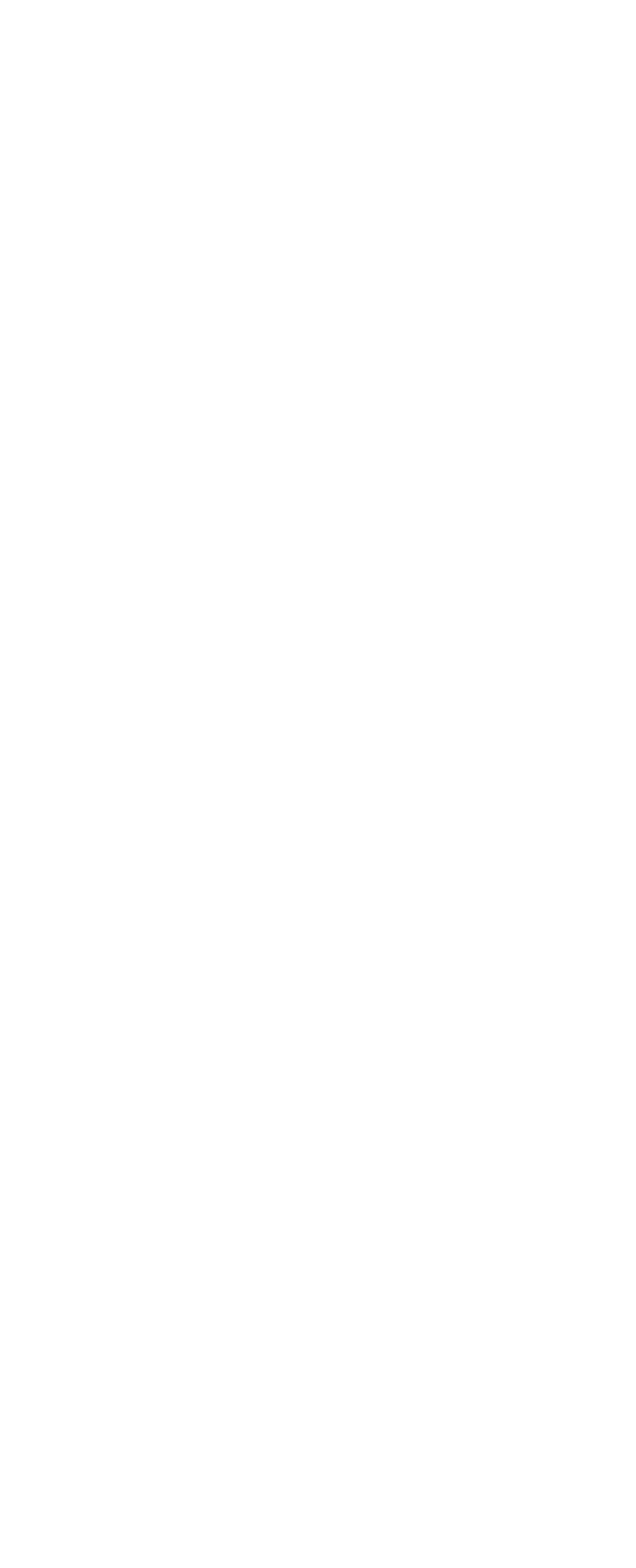
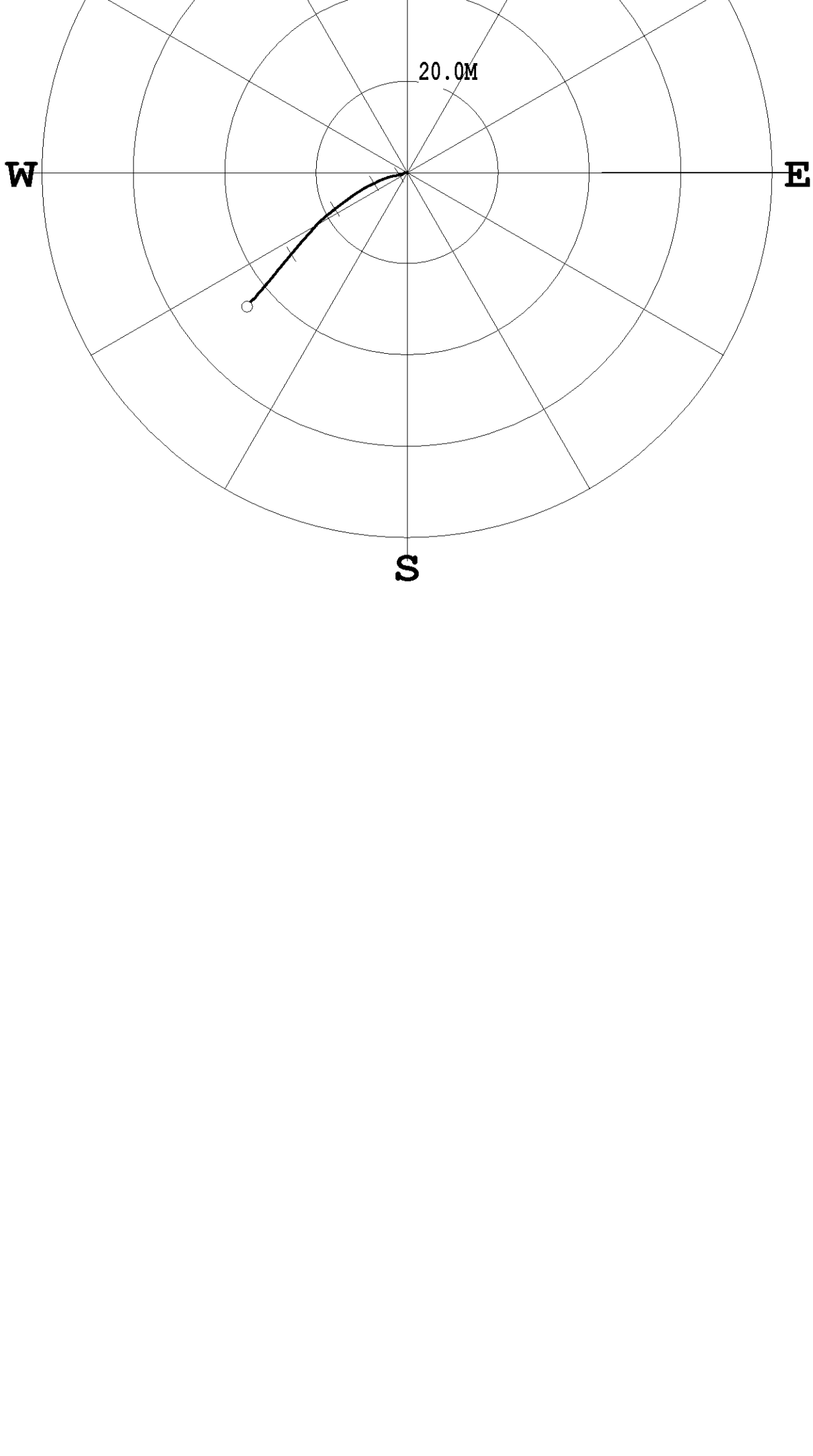
DATE	TIME	SENSOR	STANDARD	RESPONSE
1	Jul27,04 07:52:42	GAMMA	15.000 [API-GR]	1.00 [CPS]
	Jul27,04 07:52:42	GAMMA	250.000 [API-GR]	240.00 [CPS]
2	May24,99 13:14:46	POROSI	185.000 [CPS]	
3	May24,99 13:14:46	RES	Default [CPS]	Default [CPS]
4	May24,99 13:14:46	SP	Default [CPS]	Default [CPS]
5	May24,99 13:14:46	SP	Default [CPS]	Default [CPS]
6	May21,04 19:23:23	NEUTRO	Default [API-N]	Default [CPS]
	May21,04 19:23:23	NEUTRO	271.000 [API-N]	185.00 [CPS]
6	Feb20,02 17:17:55	TEMP	51.000 [DEG F]	1104.00 [CPS]
	Feb20,02 17:17:55	TEMP	95.200 [DEG F]	450.00 [CPS]

PLAN VIEW
COMPU-LOG DEVIATION

CLIENT: NORTHERN ENERGY MINING INC
LOCATION: ROMAN MTN
HOLE ID: RH TR 2005 - 13c
DATE OF LOG: 08/19/05
PROBE: 9055A 80



SCALE: 10 M/CM
TRUE DEPTH: 243.08 M
AZIMUTH: 230.0
DISTANCE: 45.7 M
+ = 50 M INCR
o = BOTTOM OF HOLE



RH TR 2005 - 13c

COMPANY: century geo.com
WELL: RH TR 2005 - 13c
MUNICIPALITY: THUNDER RIDGE
PROVINCE: BRITISH COLUMBIA

OTHER SERVICES:
LOGS: 9129
9410

LOCATION: SECTION: FORMERSHIP: RANGE: APTNO:

UNIQUE WELL ID: PERMANENT TAP/VAL: G/L
LOG MEASURED FROM G/L: ELEVATION OF: ELEVATION KB:

DATE: R/W/NO: 2
DATE: 08/19/05

DEPTH DRIFFLER: 282.89
BIT SIZE: 11.43

LOG TOP: 290.03
LOG BOTTOM: 13.3

CASING OD: 6.75
CASING BOTTOM: 6.75

CASING TYPE: HWY
SCHEDULE FLUID: WATER

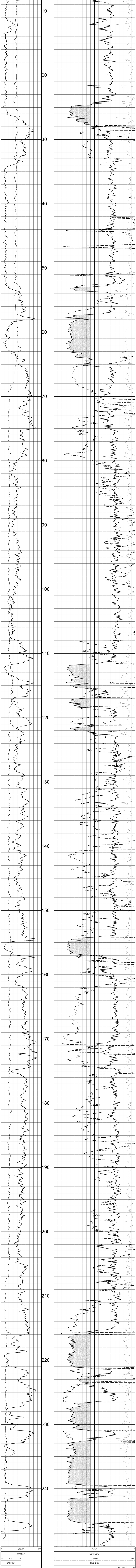
WELL TEMPERATURE: 13.3
WELL TEMPERATURE: 13.3

WITNESSED BY: RDN
RECORDED BY: J. Boas

REMARKS 1:
REMARKS 2:

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS.

CALIPER	10	15
GAMMA		
API-GR	0	250
CALIPER	10	15
GAMMA		
API-GR	0	250



TOOL CALIBRATION RH TR 2005 - 13c 08/19/05 18:02
TOOL 9139A
SERIAL NUMBER 1240

DATE	TIME	SENSOR	STANDARD	RESPONSE
Jul13.05	13:11:07	GAMMA	0.000 [API-GR]	2.00 [CPS]
Jul13.05	13:11:07	GAMMA	283.000 [API-GR]	294.00 [CPS]
Jul13.05	13:00:47	VOLTAGE	0.000 [MV]	4601.00 [CPS]
Jul13.05	13:00:47	VOLTAGE	1999.000 [MV]	271516.00 [CPS]
Aug15.05	18:38:58	CALIPER	10.160 [INCH]	111254.00 [CPS]
Aug15.05	18:38:58	CALIPER	15.240 [INCH]	342463.00 [CPS]
Aug15.05	18:46:42	CALIPERL	1.108 [GICC]	7485.00 [CPS]
Aug15.05	18:46:42	DEN(LS)	2.400 [GICC]	447.80 [CPS]
Aug15.05	16:47:11	DEN(SS)	1.108 [GICC]	14217.00 [CPS]
Aug15.05	16:47:11	DEN(SS)	2.400 [GICC]	4549.44 [CPS]
Jul13.05	12:44:29	CALIPERL	6.000 [INCH]	150340.00 [CPS]
Jul13.05	12:44:29	CALIPERL	12.000 [INCH]	346430.00 [CPS]
Jul13.05	13:02:39	CURRENT	0.000 [UA]	5387.00 [CPS]
Jul13.05	13:02:39	CURRENT	283.390 [UA]	23883.00 [CPS]
Jul13.05	14:02:09	TEMP	37.000 [DEG F]	169525.00 [CPS]
Jul13.05	14:02:09	TEMP	130.000 [DEG F]	438295.00 [CPS]

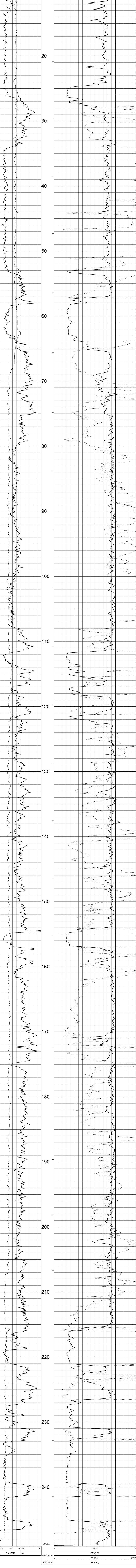


GAMMA - CALIPER - RESISTIVITY
DENSITY - LONG SPACE

RH TR 2005 - 13c

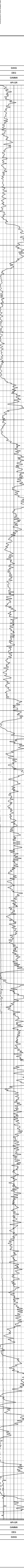
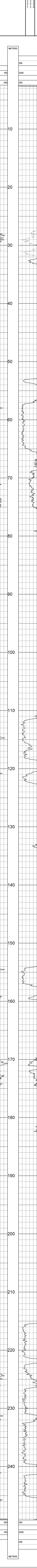
century_geo.com

COMPANY	NORTHERN ENERGY MINING INC	OTHER SERVICES
WELL	RH TR 2005 - 13c	9039
MUNICIPALITY	TUMBLER RIDGE	8410
PROVINCE	BRITISH COLUMBIA	
LOCATION		
SECTION		
TOWNSHIP		
RANGE		
AYRNO		
UNIQUE WELL ID		
PERMANENT DATUM	G	ELEVATION NB:
LOG MEASURED FROM GL		ELEVATION DF:
ORI. MEASURED FROM GL		ELEVATION Q1:
DATE	08/19/05	
RUN NO.	2	
DEPTH DIELER	262.89	
BIT SIZE	11.43	
LOG TOP	4.02	
LOG BOTTOM	260.93	
CASING OD	15.3	
CASING BOTTOM	6.39	
CASING TYPE	MHW	
SPURDOL FLUID	WATER	
PM TEMPERATURE		
MOI CHS	RON	
WITNESSED BY	T. Boas	
RECORDS BY		
REMARKS 1		
REMARKS 2		



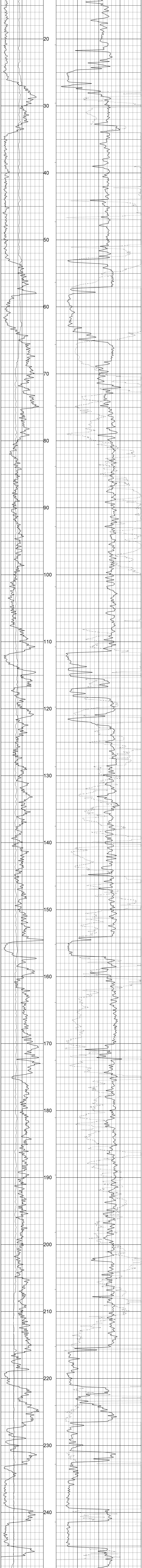
TOOL CALIBRATION RH TR 2005 - 13c 08/19/05 18:02
 TOOL 9139A
 SERIAL NUMBER 1240

NO.	DATE	TIME	SENSOR	STANDARD	RESPONSE
1	Jul13.05	13:11:07	GAMMA	263.000 [API-GR]	2.00 [CPS]
1	Jul13.05	13:11:07	GAMMA	263.000 [API-GR]	2.00 [CPS]
2	Jul13.05	13:00:47	VOLTAGE	0.000 [MV]	4601.00 [CPS]
3	Jul13.05	13:00:47	VOLTAGE	1999.000 [MV]	271516.00 [CPS]
4	Aug15.05	16:38:58	CALIPER	10.160 [INCH]	111254.00 [CPS]
4	Aug15.05	16:38:58	CALIPER	15.240 [INCH]	342463.00 [CPS]
5	Aug15.05	16:46:42	DEN(LS)	1.106 [G/CC]	7485.00 [CPS]
5	Aug15.05	16:46:42	DEN(LS)	2.400 [G/CC]	447.90 [CPS]
5	Aug15.05	16:47:11	DEN(SS)	1.106 [G/CC]	14217.00 [CPS]
5	Aug15.05	16:47:11	DEN(SS)	2.400 [G/CC]	4549.44 [CPS]
6	Jul13.05	12:44:29	CALIPERL	6.000 [INCH]	150340.00 [CPS]
6	Jul13.05	12:44:29	CALIPERL	12.000 [INCH]	348430.00 [CPS]
7	Jul13.05	13:02:39	CURRENT	0.000 [UA]	5387.00 [CPS]
7	Jul13.05	13:02:39	CURRENT	268.380 [UA]	38833.00 [CPS]
8	Jul13.05	14:02:09	TEMP	37.000 [DEG F]	169525.00 [CPS]
8	Jul13.05	14:02:09	TEMP	130.000 [DEG F]	438295.00 [CPS]



TOOL CALIBRATION RH TR 2005 - 13c 08/19/05 17:27
TOOL 9055A
SERIAL NUMBER 80

DATE	TIME	SENSOR	STANDARD	RESPONSE
1	Jul27,04 08:52:42	GAMMA	15.000 [API-GR]	1.00 [CPS]
2	Jul27,04 07:52:42	GAMMA	250.000 [API-GR]	240.00 [CPS]
3	May24,99 13:14:46	POROSI	185.000 [CPS]	Default [CPS]
4	May24,99 13:14:46	RES	Default [CPS]	Default [CPS]
5	May24,99 13:14:46	RES	Default [CPS]	Default [CPS]
6	May24,99 13:14:46	SP	Default [CPS]	Default [CPS]
7	May21,04 19:23:23	NEUTRO	Default [CPS]	Default [CPS]
8	May21,04 19:23:23	NEUTRO	271.000 [API-N]	185.00 [CPS]
9	Feb20,02 17:17:55	TEMP	51.000 [DEG F]	1104.00 [CPS]
10	Feb20,02 17:17:55	TEMP	95.200 [DEG F]	450.00 [CPS]



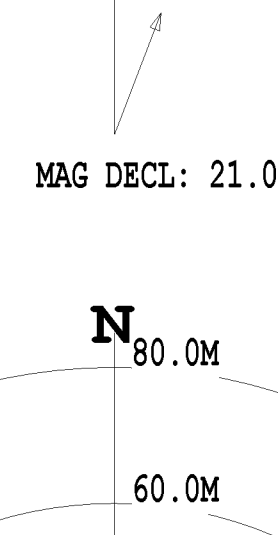
TOOL CALIBRATION RH TR 2005 - 13c 08/19/05 18:02
TOOL 9139A
SERIAL NUMBER 1240

SENSOR	STANDARD	RESPONSE
1	GAMMA	0.000 [API-GR] 2.00 [CPS]
1	GAMMA	263.000 [API-GR] 264.00 [CPS]
2	VOLTAGE	0.000 [MV] 4601.00 [CPS]
2	VOLTAGE	1999.000 [MV] 271516.00 [CPS]
3	CALIPER	10.160 [INCH] 111254.00 [CPS]
3	CALIPER	15.240 [INCH] 342463.00 [CPS]
4	DEN(LS)	1.106 [G/CC] 7485.00 [CPS]
4	DEN(LS)	2.400 [G/CC] 447.90 [CPS]
5	DEN(SS)	1.106 [G/CC] 14217.00 [CPS]
5	DEN(SS)	2.400 [G/CC] 4549.44 [CPS]
6	CALIPERL	6.000 [INCH] 150340.00 [CPS]
6	CALIPERL	12.000 [INCH] 348430.00 [CPS]
7	CURRENT	0.000 [UA] 5387.00 [CPS]
7	CURRENT	266.300 [UA] 2683.00 [CPS]
8	TEMP	37.000 [DEG F] 169525.00 [CPS]
8	TEMP	130.000 [DEG F] 438295.00 [CPS]

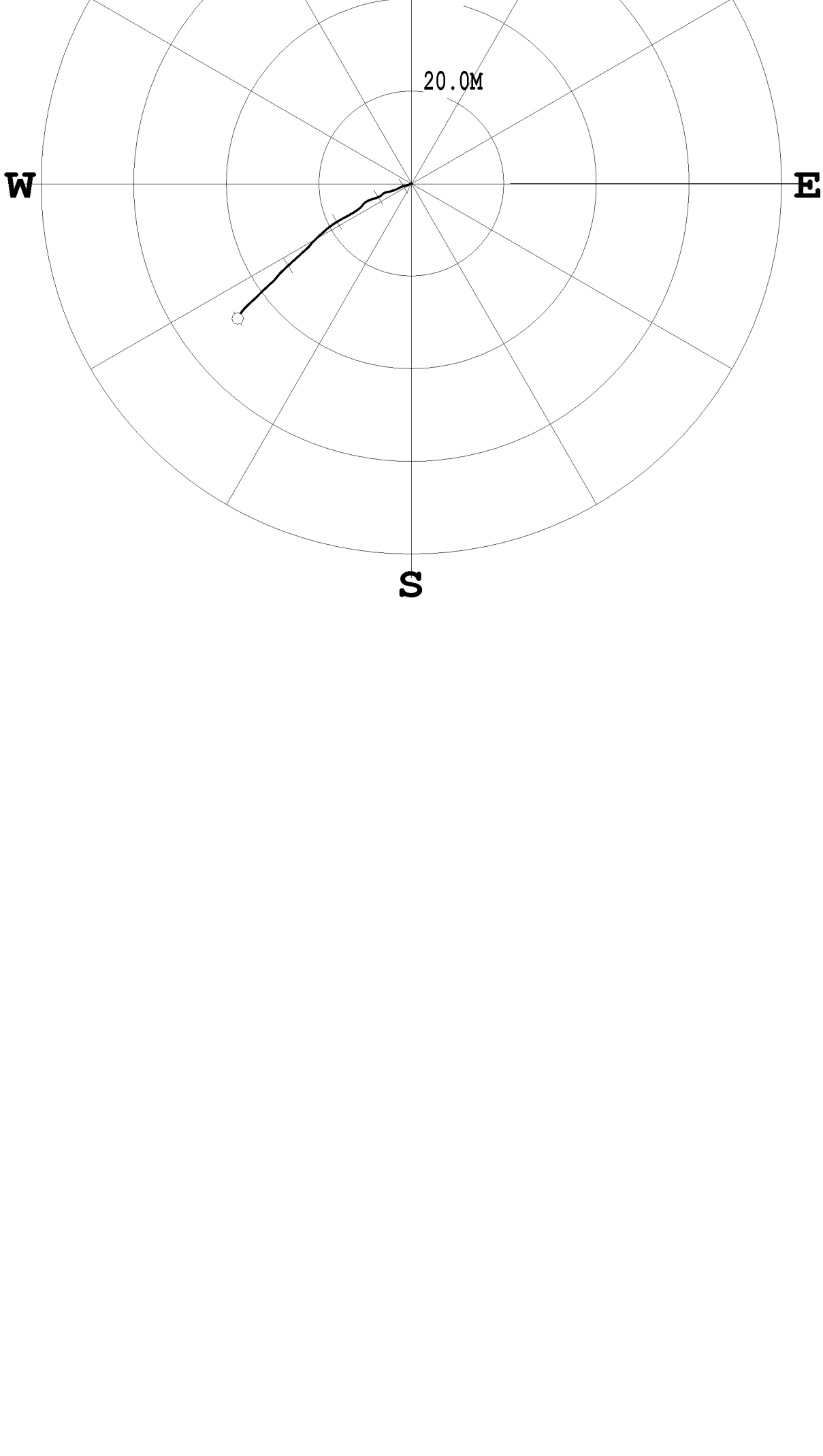
PLAN VIEW

COMPU-LOG DEVIATION

CLIENT: NORTHERN ENERGY MINING INC
LOCATION: ROMAN MTN
HOLE ID: RHTR2005 - 13C
DATE OF LOG: 08/19/05
PROBE: 9410A 377



SCALE: 10 M/CM
TRUE DEPTH: 243.88 M
AZIMUTH: 232.2
DISTANCE: 47.5 M
+ = 50 M INCR
○ = BOTTOM OF HOLE



century-geo.com
 COMPANY: NORTHERN ENERGY MINING INC
 WELL: RHTR2005_13C
 FIELD: ROMANI MTR
 COUNTY: TUMBLER RIDGE
 STATE: BRITISH COLUMBIA

OTHER SERVICES: SPTD
 LOCATION: LOCATION
 TOWNSHIP: TOWNSHIP
 RANGE: RANGE
 API NO: API NO
 UNIT WELL ID: UNIT WELL ID

PERMANENT DATUM: GL
 ELEVATION MB: ELEVATION MB
 LOG MEASURED FROM: GL
 ELEVATION OF: ELEVATION OF
 DATE: DATE
 DEPTH DRIER: :252.99
 BIT SIZE: :11.43

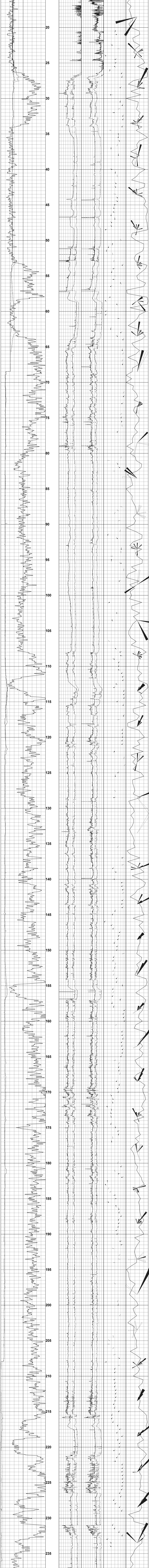
LOG TOP: :11.43
 LOG BOTTOM: :249.50
 CASING OD: :102
 CASING ID: :84

CASING BOTTOM: :3.04
 CASING TYPE: :SURFACE
 ROPE SOLID FLUID: :SURFACE
 ROPE TEMPERATURE: :SURFACE
 MUD RES: :SURFACE
 MUD WEIGHT: :SURFACE

RECORDED BY: J. SINWACH
 REMARKS 1:
 REMARKS 2:

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS

LOG TOP: :11.43
 LOG BOTTOM: :249.50
 CASING OD: :102
 CASING ID: :84



DATE	TIME	SENSOR	STANDARD	RESPONSE
1	Dec19,03 17:08:45	GAMMA	20.000 [API-GR]	5.00 [CPS]
2	Dec19,03 16:08:46	GAMMA	275.000 [API-GR]	140.00 [CPS]
1	Mar16,04 16:33:35	VOLTAGE	Default [CPS]	Default [CPS]
2	Mar16,04 16:33:35	VOLTAGE	341.000 [MV]	1830.00 [CPS]
3	Mar16,04 16:33:49	CUR1	Default [UA]	Default [CPS]
4	Mar16,04 16:33:49	CUR2	2135.000 [CPS]	18740.00 [CPS]
5	Mar16,04 16:34:03	CUR3	Default [UA]	Default [CPS]
6	Mar16,04 16:34:18	CUR3	2135.000 [CPS]	19170.00 [CPS]
7	Mar16,04 16:34:31	CUR4	Default [UA]	Default [CPS]
8	Mar16,04 16:34:31	CUR4	2135.000 [CPS]	17360.00 [CPS]
9	Mar16,04 17:09:48	CALIPER	15.240 [INCH]	Default [CPS]
10	Mar16,04 17:09:48	CALIPER	20.320 [INCH]	13950.00 [CPS]
11	Mar16,04 17:09:48	CALIPER	20.320 [INCH]	10944.00 [CPS]
12	Mar16,04 17:09:48	CALIPER	20.320 [INCH]	13880.00 [CPS]

COMPANY : NORTHERN ENERGY MINING INC
WELL : RHTR 2005 - 14 ANGLED
FIELD : ROMAN MTN
COUNTY : TUMBLER RIDGE
STATE : BRITISH COLUMBIA

LOCATION :
SECTION :
TOWNSHIP :
RANGE :
API NO :
UNIQUE WELL ID :

PERMANENT DATUM : GL
LOG MEASURED FROM : GL
DRL MEASURED FROM : GL
ELEVATION KB :
ELEVATION DF :
ELEVATION GL :

DATE : 08/25/05
DEPTH DRILLER : 122
BIT SIZE : 11.43
LOG TOP : 1.81
LOG BOTTOM : 120.51
CASING OD : 13.3
CASING BOTTOM : 3.04

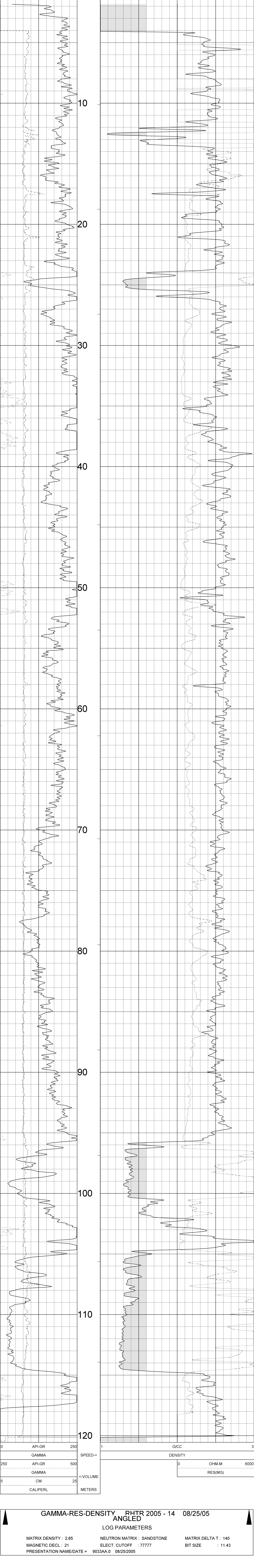
CASING TYPE : SURFACE
BOREHOLE FLUID : WATER
RMT TEMPERATURE :
MUD RES :
MUD WEIGHT :

RECORDED BY : J. SINKWICH
REMARKS 1 : HOLE ANGLE 60 DEGREES AZIMUTH 215 DEGREES
REMARKS 2 :

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS

GAMMA-RES-DENSITY RHTR 2005 - 14 08/25/05
ANGLED
LOG PARAMETERS

MATRIX DENSITY : 2.65 NEUTRON MATRIX : SANDSTONE MATRIX DELTA T : 140
MAGNETIC DECL : 21 ELECT. CUTOFF : 77777 BIT SIZE : 11.43
PRESENTATION NAME/DATE = 9033AA.0 08/25/2005



GAMMA-RES-DENSITY RHTR 2005 - 14 08/25/05
ANGLED
LOG PARAMETERS

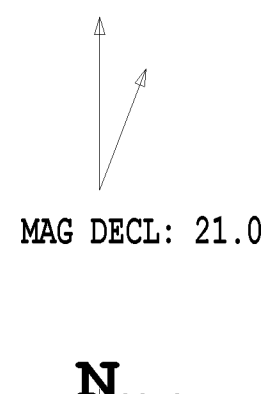
MATRIX DENSITY : 2.65 NEUTRON MATRIX : SANDSTONE MATRIX DELTA T : 140
MAGNETIC DECL : 21 ELECT. CUTOFF : 77777 BIT SIZE : 11.43
PRESENTATION NAME/DATE = 9033AA.0 08/25/2005

TOOL CALIBRATION RHTR 2005 - 14 08/25/05 22:21
TOOL 9033AA1 TM VERSION 3200
SERIAL NUMBER 402

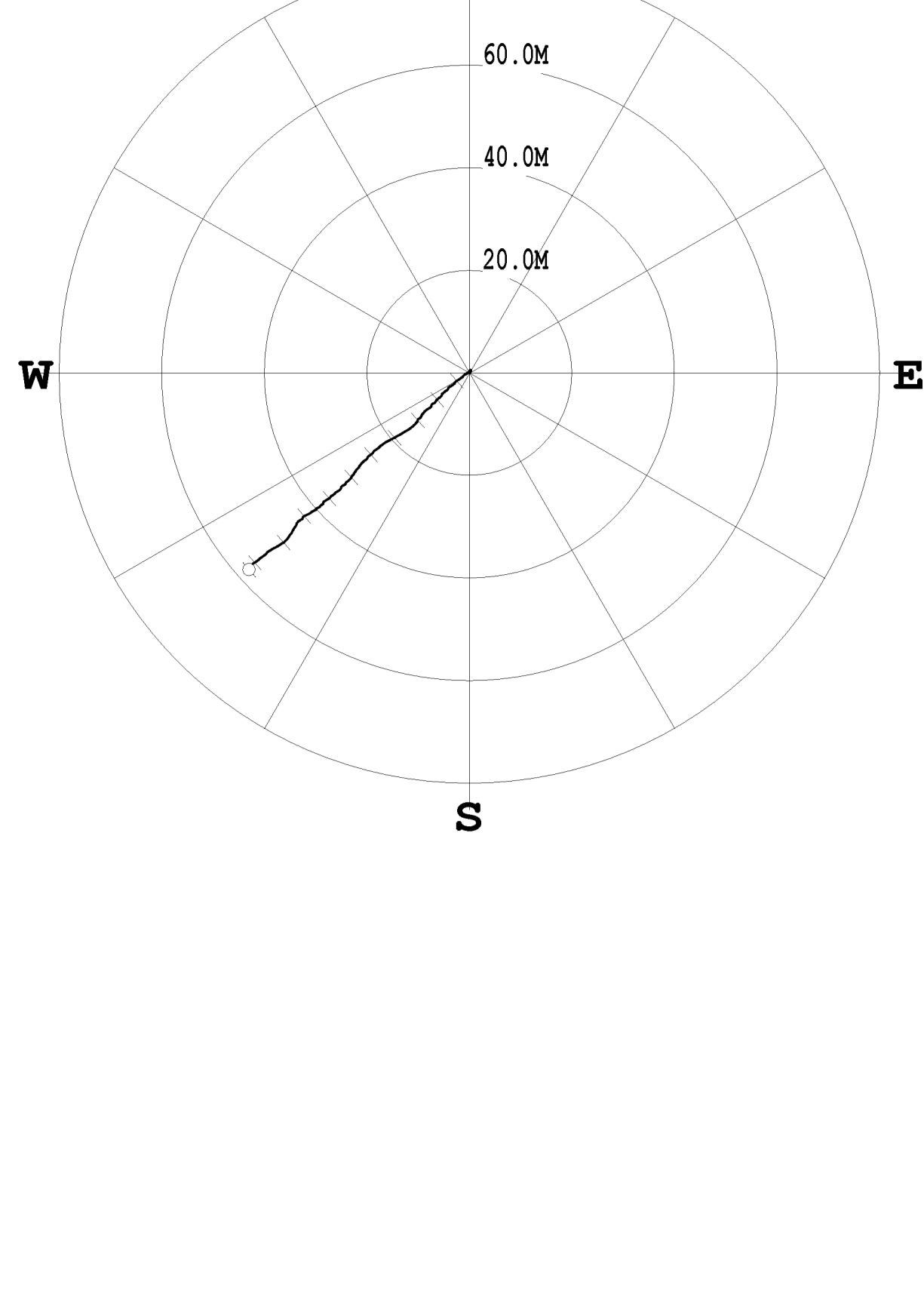
DATE	TIME	SENSOR	STANDARD	RESPONSE
1	May08,05 16:01:50	GAMMA	Default [CPS]	Default [CPS]
2	May08,05 15:01:50	GAMMA	Default [CPS]	Default [CPS]
3	Aug26,05 00:07:07	DENSITY	1.106 [G/CC]	4878.00 [CPS]
3	Aug26,05 00:07:07	DENSITY	2.612 [G/CC]	929.00 [CPS]
4	May08,05 15:01:50	RES(MG)	Default [CPS]	Default [CPS]
4	May08,05 15:01:50	RES(MG)	Default [CPS]	Default [CPS]
5	May08,05 15:01:50	CALIPER	Default [CM]	Default [CPS]
5	May08,05 15:01:50	CALIPER	Default [CM]	Default [CPS]
5	May08,05 15:01:50	DENSITYH	Default [CPS]	Default [CPS]
5	May08,05 15:01:50	DENSITYH	Default [CPS]	Default [CPS]
6	Aug14,05 03:17:25	CALIPER	15.200 [CM]	560.00 [CPS]
6	Aug14,05 03:17:25	CALIPER	30.800 [CM]	2039.00 [CPS]
7	Aug02,99 08:17:32	RES	Default [CPS]	Default [CPS]
8	Aug02,99 08:17:32	RES	Default [CPS]	Default [CPS]
9	Apr12,02 00:42:07	POR(NEU)	100.000 [PERCENT]	178.00 [CPS]
8	Mar16,04 17:10:03	CALIPER2	20.320 [INCH]	13288.00 [CPS]
9	Jan01,70 00:00:00	CALIPER2	Default [CPS]	Default [CPS]

PLAN VIEW COMPU-LOG DEVIATION

CLIENT: NORTHERN ENERGY MINING INC
LOCATION: ROMAN MTN
HOLE ID: RHTR 2005 - 14
DATE OF LOG: 08/25/05
PROBE: 9057A 1067



SCALE: 10 M/CM
TRUE DEPTH: 102.63 M
AZIMUTH: 228.3
DISTANCE: 57.6 M
+ = 10 M INCR
○ = BOTTOM OF HOLE

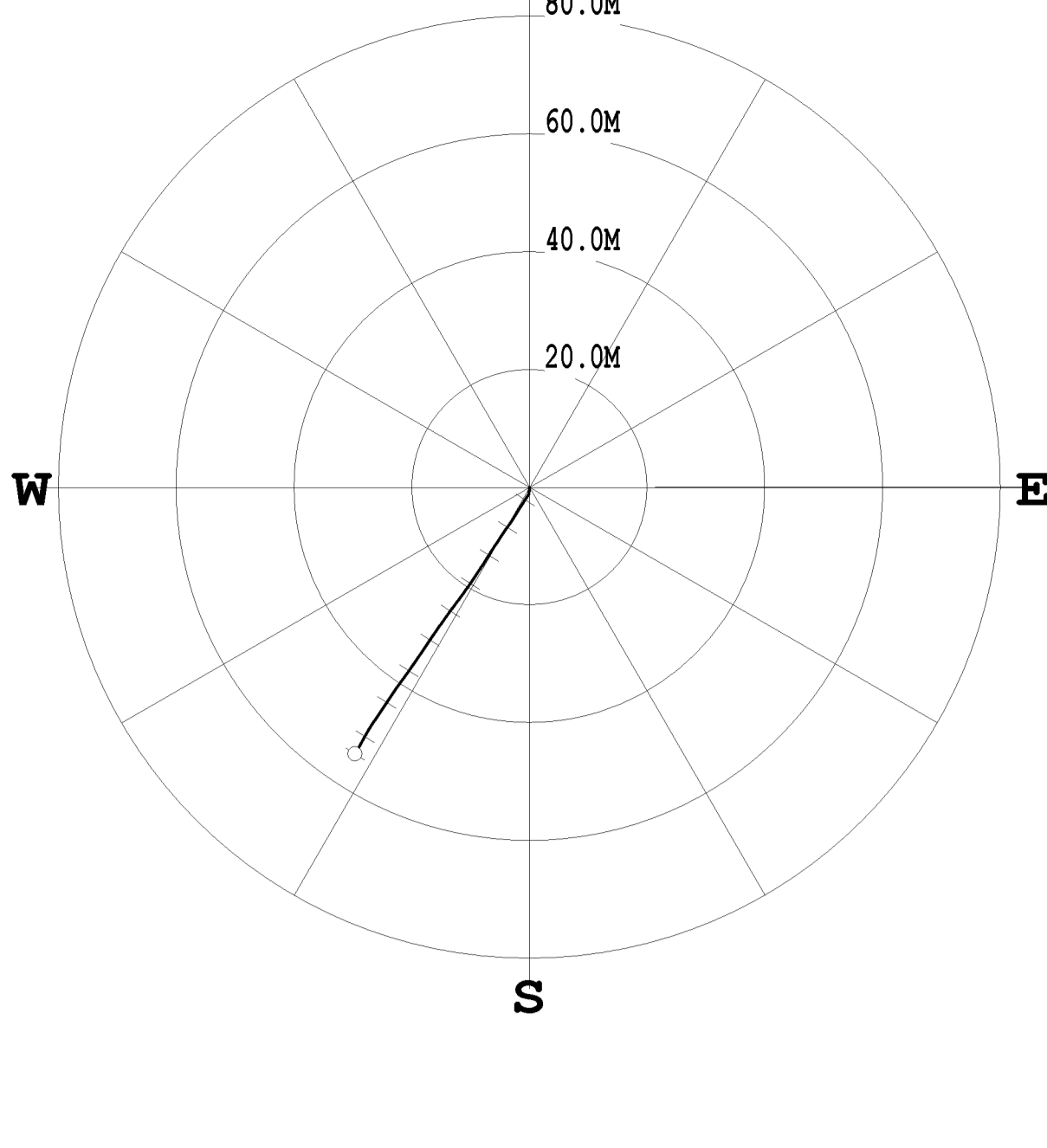


PLAN VIEW COMPU-LOG DEVIATION

CLIENT: NORTHERN ENERGY MINING INC
LOCATION: ROMAN MTN
HOLE ID: RHTR 2005 - 14
DATE OF LOG: 08/25/05
PROBE: 9410A 377

MAG DECL: 21.0

SCALE: 10 M/CM
TRUE DEPTH: 104.96 M
AZIMUTH: 213.2
DISTANCE: 54.1 M
+ = 10 M INCR
○ = BOTTOM OF HOLE



DIPMETER
RHTR 2005 - 14
ANGLED

COMPANY : NORTHERN ENERGY MINING INC
WELL : RHTR 2005 - 14 ANGLED
FIELD : ROMAN MTN
COUNTY : TUMBLER RIDGE
STATE : BRITISH COLUMBIA

LOCATION :
SECTION :
TOWNSHIP :
RANGE :
API NO. :
UNIQUE WELL ID :

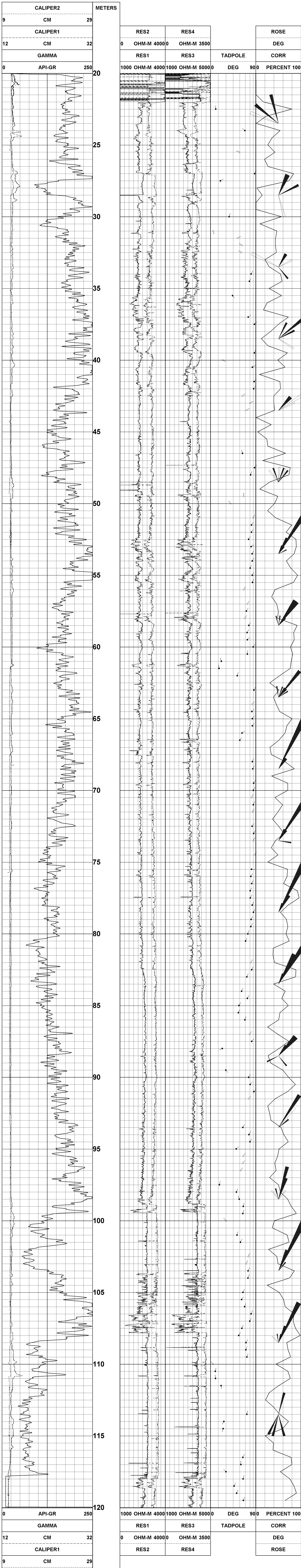
PERMANENT DATUM : IGL
LOG MEASURED FROM : GL
DRI MEASURED FROM : GL
DATE : 08/25/05

DEPTH DRILLER :
BIT SIZE :
LOG TOP :
LOG BOTTOM :

CASING OD :
CASING BOTTOM :
CASING TYPE :
BOREHOLE FLUID :
RM TEMPERATURE :
MUD RES :
MUD WEIGHT :

RECORDED BY : J. SINKWICH
REMARKS 1 :
REMARKS 2 :

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS



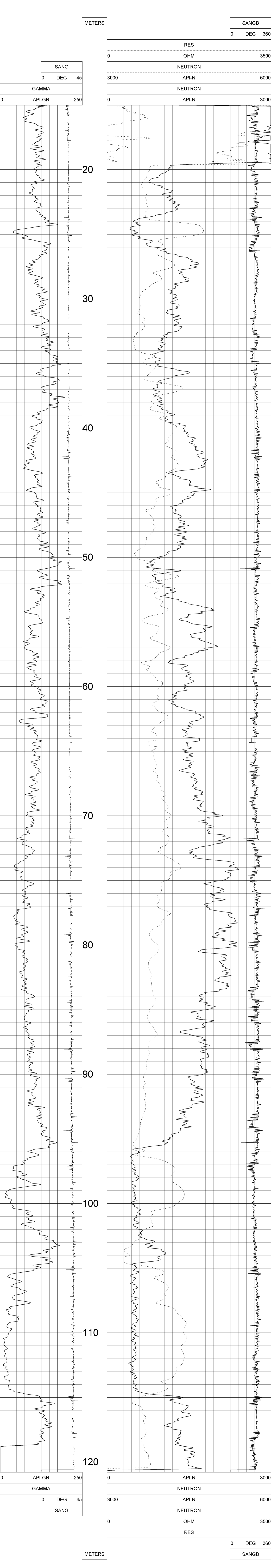
TOOL CALIBRATION RHTR 2005 - 14 08/25/05 22:51
TOOL 9410A TM VERSION 9200
SERIAL NUMBER 377

DATE	TIME	SENSOR	STANDARD	RESPONSE
1	Dec19,03 17:08:45	GAMMA	20.000 [API-GR]	5.00 [CPS]
2	Dec19,03 16:08:45	GAMMA	275.000 [API-GR]	140.00 [CPS]
3	Mar16,04 16:33:35	VOLTAGE	Default [CPS]	Default [CPS]
3	Mar16,04 16:33:35	VOLTAGE	341.000 [MV]	1830.00 [CPS]
3	Mar16,04 16:33:49	CUR1	Default [CPS]	Default [CPS]
3	Mar16,04 16:33:49	CUR1	2135.000 [UA]	18740.00 [CPS]
4	Mar16,04 16:34:03	CUR2	Default [CPS]	Default [CPS]
4	Mar16,04 16:34:03	CUR2	2135.000 [UA]	19170.00 [CPS]
5	Mar16,04 16:34:18	CUR3	Default [CPS]	Default [CPS]
5	Mar16,04 16:34:18	CUR3	2135.000 [UA]	17360.00 [CPS]
6	Mar16,04 16:34:31	CUR4	Default [CPS]	Default [CPS]
6	Mar16,04 16:34:31	CUR4	2135.000 [UA]	13950.00 [CPS]
7	Mar16,04 17:09:48	CALIPER	15.240 [INCH]	10944.00 [CPS]
7	Mar16,04 17:09:48	CALIPER	20.320 [INCH]	13890.00 [CPS]

COMPANY	: NORTHERN ENERGY MINING INC	OTHER SERVICES	
WELL	: RHTR 2005 - 14 ANGLED		
FIELD	: ROMAN MTN		9037
COUNTY	: TUMBLER RIDGE		9033
STATE	: BRITISH COLUMBIA		9410

LOCATION	:	
SECTION	:	
TOWNSHIP	:	
RANGE	:	
API NO.	:	
UNIQUE WELL ID.	:	
PERMANENT DATUM	: GL	ELEVATION KB:
LOG MEASURED FROM:	GL	ELEVATION DF:
DRL MEASURED FROM:	GL	ELEVATION GL:
DATE	: 08/25/05	

DEPTH DRILLER	: 122
BIT SIZE	: 11.43
LOG TOP	: 0.23
LOG BOTTOM	: 120.75
CASING OD	: 133
CASING BOTTOM	: 3.04
CASING TYPE	: SURFACE
BOREHOLE FLUID	: WATER
RMT TEMPERATURE	:
MUD RES	:
MUD WEIGHT	:
RECORDED BY	: J. SINKWICH
REMARKS 1	: HOLE ANGLE: 60 DEGREES AZIMUTH: 215 DEGREES
REMARKS 2	:



TOOL CALIBRATION RHTR 2005 - 14 08/25/05 21:55
 TOOL 9057A TM VERSION 5500
 SERIAL NUMBER 1067

DATE	TIME	SENSOR	STANDARD	RESPONSE
1	Apr12.02 01:41:30	GAMMA	0.000 [API-GR]	10.00 [CPS]
1	Apr12.02 00:41:30	GAMMA	290.000 [API-GR]	350.00 [CPS]
2	Aug02.99 06:17:32	NEUTROI	Default [CPS]	Default [CPS]
2	Aug02.99 06:17:32	NEUTROI	Default [CPS]	Default [CPS]
3	Aug02.99 06:17:32	SP	Default [CPS]	Default [CPS]
3	Aug02.99 06:17:32	SP	Default [CPS]	Default [CPS]
4	Feb22.02 21:30:07	RES(16N)	Default [CPS]	Default [CPS]
4	Feb22.02 21:30:07	RES(16N)	Default [CPS]	Default [CPS]
5	Aug02.99 06:17:32	RES(64N)	Default [CPS]	Default [CPS]
5	Aug02.99 06:17:32	RES(64N)	Default [CPS]	Default [CPS]
6	Mar08.02 15:30:38	TEMP	Default [CPS]	Default [CPS]
6	Mar08.02 15:30:38	TEMP	Default [CPS]	Default [CPS]
7	Aug02.99 06:17:32	RES	Default [CPS]	Default [CPS]
7	Aug02.99 06:17:32	RES	Default [CPS]	Default [CPS]

COMPANY	: NORTHERN ENERGY MINING INC	OTHER SERVICES	
WELL	: RHTR 2005 - 15 ANGLED	9031	
FIELD	: ROMANA MTR	9033	
COUNTY	: TUMBLER RIDGE	9410	
STATE	: BRITISH COLUMBIA		

LOCATION	:	
SECTION	:	
TOWNSHIP	:	
RANGE	:	
AP NO.	:	
UNIQUE WELL ID	:	
PERMANENT DATUM	: QL	ELEVATION (M)
LOG MEASURED FROM (GL)	:	ELEVATION (GL)
DRL MEASURED FROM (GL)	:	

DATE	: 08/25/05
DEPTH DRILLER	: 150
BIT SIZE	: 11.43
LOG TOP	: 0.38
LOG BOTTOM	: 178.28
CASING OD	: 3.33
CASING BOTTOM	: 3.04

CASING TYPE	: SURFACE
BOREHOLE FLUID	:
RW TEMPERATURE	:
RW RES	:
MUD WEIGHT	:

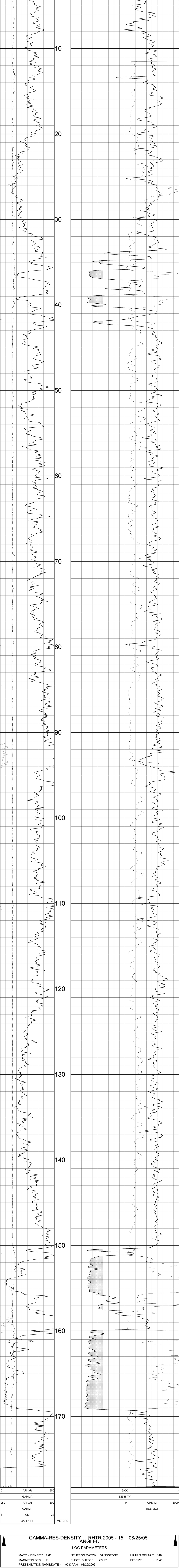
RECORDED BY	: J. SINKOVICH
REMARKS 1	: -HOLE ANGLE 85 DEGREES AZIMUTH 215 DEGREES
REMARKS 2	:
REMARKS 3	:
REMARKS 4	:
REMARKS 5	:
REMARKS 6	:
REMARKS 7	:
REMARKS 8	:
REMARKS 9	:
REMARKS 10	:
REMARKS 11	:
REMARKS 12	:
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REMARKS 99	:
REMARKS 100	:

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS

GAMMA-RES-DENSITY RHTR 2005 - 15 08/25/05
ANGLED

LOG PARAMETERS

MATRIX DENSITY : 2.65	NEUTRON MATRIX : SANDSTONE	MATRIX DELTA T : 140
MAGNETIC DECL : 21	ELECT. CUTOFF : 77777	BIT SIZE : 11.43
PRESENTATION NAME/DATE = 9033AA.0 08/25/2005		



GAMMA-RES-DENSITY RHTR 2005 - 15 08/25/05
ANGLED

LOG PARAMETERS

MATRIX DENSITY : 2.65	NEUTRON MATRIX : SANDSTONE	MATRIX DELTA T : 140
MAGNETIC DECL : 21	ELECT. CUTOFF : 77777	BIT SIZE : 11.43
PRESENTATION NAME/DATE = 9033AA.0 08/25/2005		

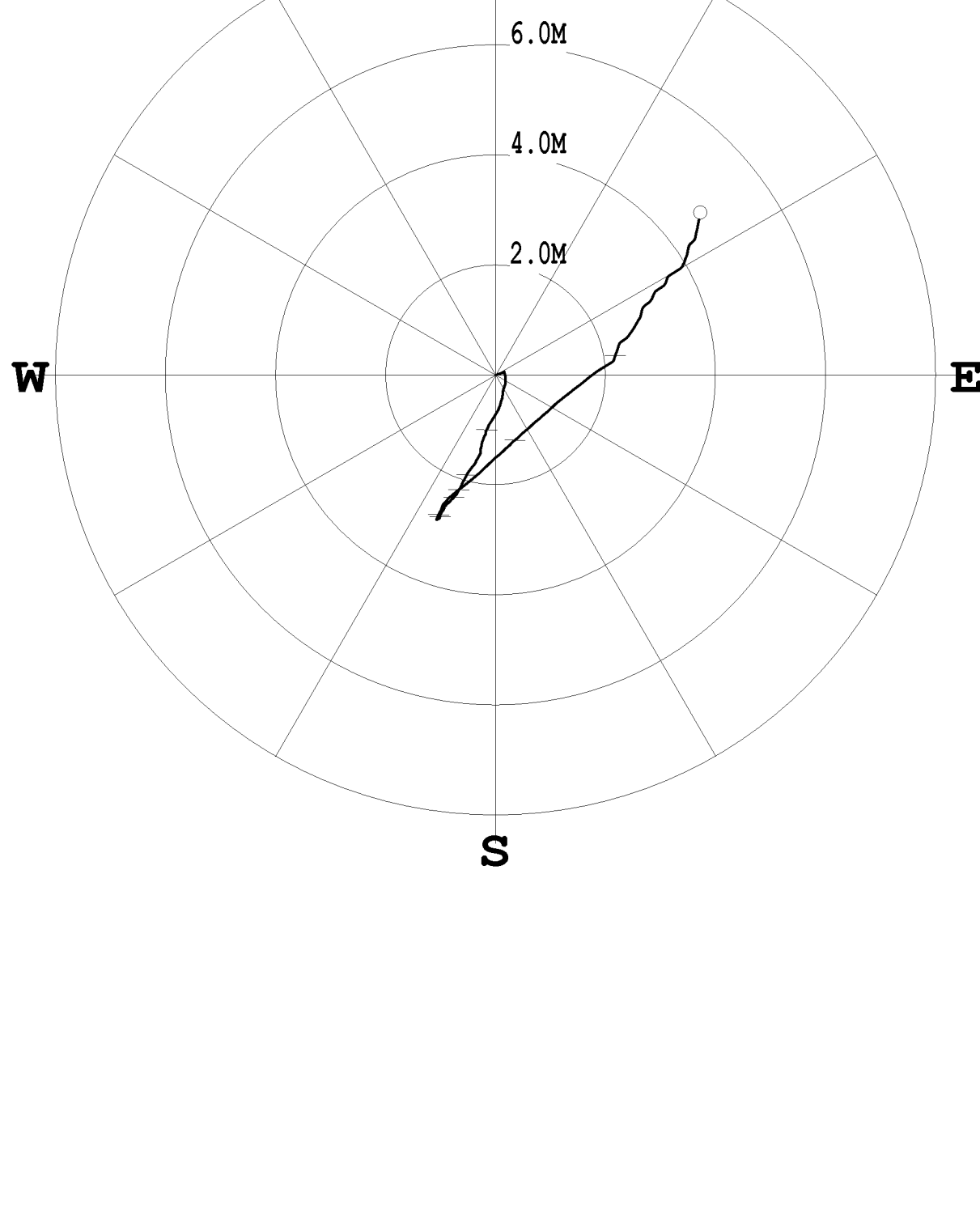
DATE	TIME	SENSOR	STANDARD	RESPONSE
May08.05	16:01:50	GAMMA	Default [CPS]	Default [CPS]
May08.05	15:01:50	GAMMA	Default [CPS]	Default [CPS]
Aug26.05	00:07:07	DENSITY	1.106 [G/CC]	4878.00 [CPS]
Aug26.05	00:07:07	DENSITY	2.612 [G/CC]	929.00 [CPS]
May08.05	15:01:50	RES (MG)	Default [CPS]	Default [CPS]
May08.05	15:01:50	RES (MG)	Default [CPS]	Default [CPS]
May08.05	15:01:50	CALIPER	Default [CPS]	Default [CPS]
May08.05	15:01:50	CALIPER	Default [CPS]	Default [CPS]
May08.05	15:01:50	DENSITYH	Default [CPS]	Default [CPS]
May08.05	15:01:50	DENSITYH	Default [CPS]	Default [CPS]
Aug14.05	03:17:25	CALIPERL	15.200 [CM]	550.00 [CPS]
Aug14.05	03:17:25	CALIPERL	30.800 [CM]	2036.00 [CPS]
Aug02.99	06:17:32	RES	Default [CPS]	Default [CPS]
Aug02.99	06:17:32	RES	Default [CPS]	Default [CPS]
Apr12.02	00:42:07	POR(NEU)	100.000 [PERCENT]	178.00 [CPS]

PLAN VIEW COMPU-LOG DEVIATION

CLIENT: NORTHERN ENERGY MINING INC
LOCATION: ROMAN MTN
HOLE ID: RHTR 2005 - 15
DATE OF LOG: 08/25/05
PROBE: 9057A 1067

MAG DECL: 21.0

SCALE: 1 M/CM
TRUE DEPTH: 177.54 M
AZIMUTH: 51.6
DISTANCE: 4.8 M
+ = 20 M INCR
○ = BOTTOM OF HOLE

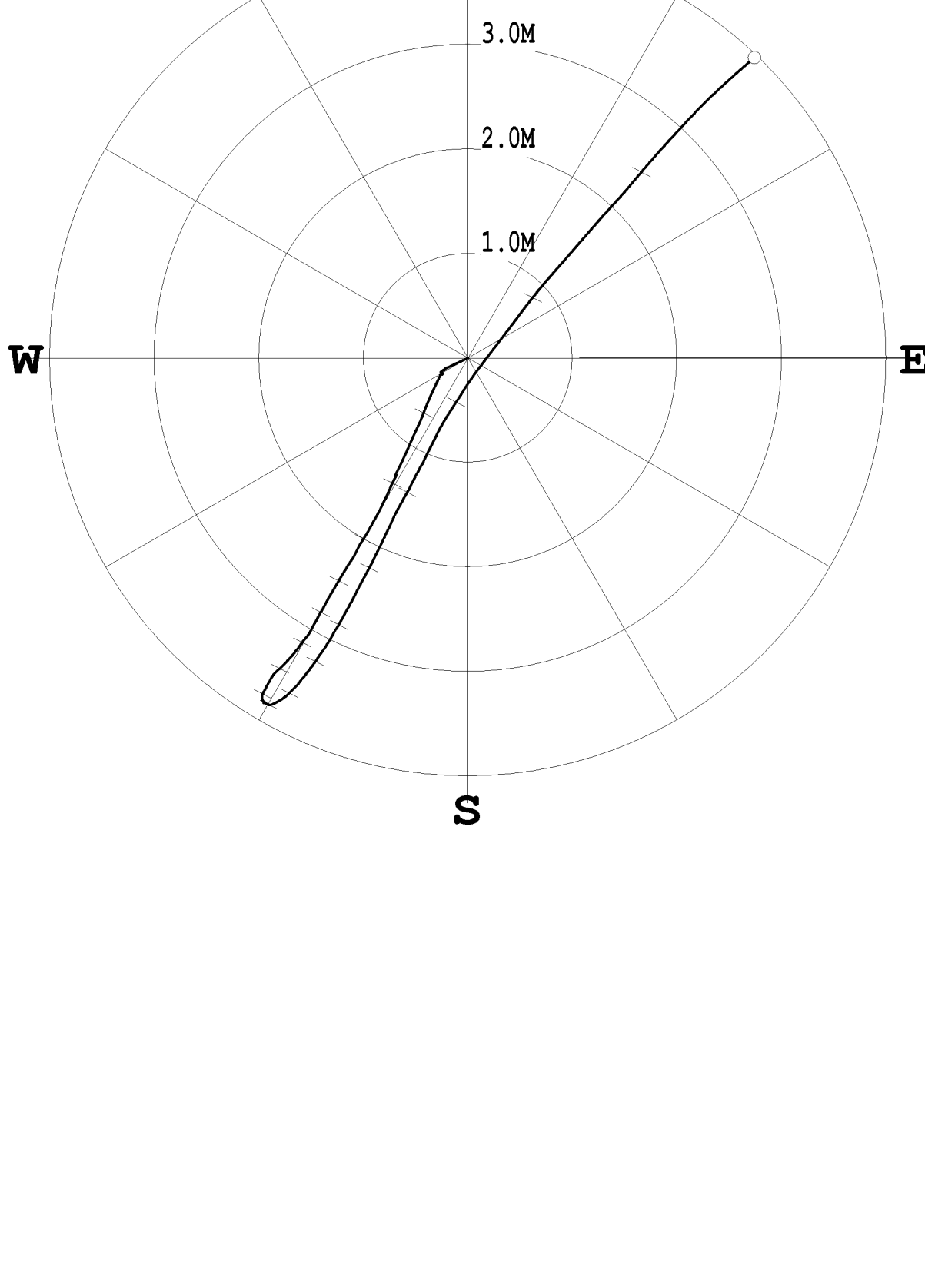


PLAN VIEW COMPU-LOG DEVIATION

CLIENT: NORTHERN ENERGY MINING INC
LOCATION: ROMAN MTN
HOLE ID: RHTR 2005 - 15
DATE OF LOG: 08/25/05
PROBE: 9410A 377

MAG DECL: 21.0

SCALE: 1 M/CM
TRUE DEPTH: 178.55 M
AZIMUTH: 43.6
DISTANCE: 4.0 M
+ = 10 M INCR
○ = BOTTOM OF HOLE





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DIPMETER
RHTR 2005 - 15
ANGLED

COMPANY : NORTHERN ENERGY MINING INC
WELL : RHTR 2005 - 15 ANGLED
FIELD : ROMAN MTN
COUNTY : TUMBLER RIDGE
STATE : BRITISH COLUMBIA

OTHER SERVICES:
9057
9033
9410

LOCATION :
SECTION :
TOWNSHIP :
RANGE :
APN NO :
UNIQUE WELL ID :

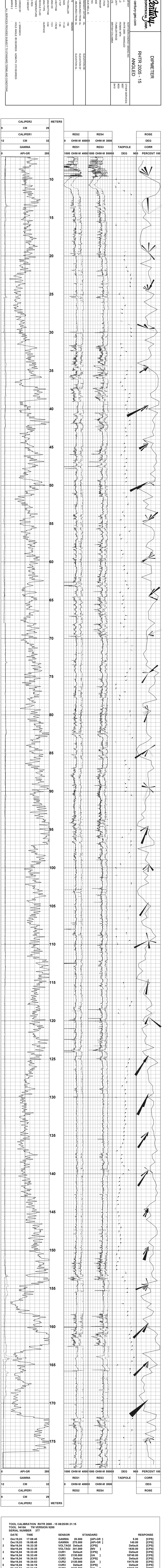
PERMANENT DATUM: GL
LOG MEASURED FROM: GL
DATE : 08/25/05
DEPTH DRILLER : 150
BIT SIZE : 11.43
LOG TOP : 1.30
LOG BOTTOM : 178.50
CASING OD : 13.3
CASING SPTOM : 3.04

ELEVATION (B):
ELEVATION (F):
ELEVATION (L):

CASING TYPE : SURFACE
BOREHOLE FLUID :
RM TEMPERATURE :
MUD RES :
MUD WEIGHT :

RECORDED BY : J. SINWICH
REMARKS 1 : HOLE ANGLE 85 DEGREES AZIMUTH 215 DEGREES
REMARKS 2 :

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS



TOOL CALIBRATION RHTR 2005 - 15 08/25/05 21:15
TOOL 9410A TM VERSION 9200
SERIAL NUMBER 377

DATE	TIME	SENSOR	STANDARD	RESPONSE
1	Dec19,03 17:08:45	GAMMA	275.000 [API-GR]	5.00 [CPS]
2	Dec19,03 16:08:45	GAMMA	20.000 [API-GR]	140.00 [CPS]
3	Mar16,04 16:33:35	VOLTAGE	Default [MV]	Default [CPS]
3	Mar16,04 16:33:49	CUR1	341.000 [CPS]	18740.00 [CPS]
4	Mar16,04 16:33:49	CUR2	2135.000 [UA]	19170.00 [CPS]
4	Mar16,04 16:34:03	CUR3	2135.000 [UA]	17360.00 [CPS]
5	Mar16,04 16:34:18	CUR4	2135.000 [UA]	13950.00 [CPS]
6	Mar16,04 16:34:31	CALIPER	15.240 [INCH]	10944.00 [CPS]
7	Mar16,04 16:34:31	CALIPER	20.320 [INCH]	13890.00 [CPS]

COMPANY : NORTHERN ENERGY MINING INC
WELL : RHTR 2005 - 15 ANGLED
FIELD : ROMAN MTN
COUNTY : TUMBLER RIDGE
STATE : BRITISH COLUMBIA

OTHER SERVICES:
9927
9033
9410

LOCATION :
SECTION :
TOWNSHIP :
RANGE :
API NO. :
UNIQUE WELL ID :

PERMANENT DATUM : GL
LOG MEASURED FROM : GL
ELEVATION DE :
ELEVATION RB :
ELEVATION GL :

DATE : 08/25/05
DEPTH DRILLER :
BIT SIZE : 11.43

LOG TOP : 0.27
LOG BOTTOM : 178.32
CASING OD : 13.3
CASING BOTTOM : 3.04

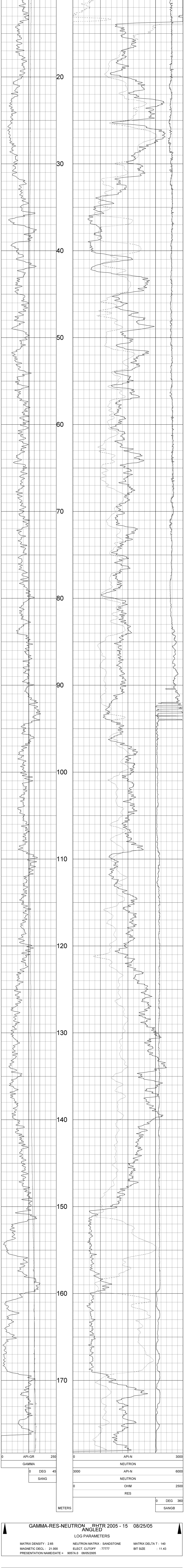
CASING TYPE :
BOREHOLE FLUID :
FLOW TEMPERATURE :
MUD RES :
MUD WEIGHT :

RECORDED BY : J. SINWICH
HOLE ANGLE 86 DEGREES AZIMUTH 215 DEGREES
REMARKS 1 :
REMARKS 2 :

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS

GAMMA-RES-NEUTRON RHTR 2005 - 15 08/25/05
ANGLED
LOG PARAMETERS

MATRIX DENSITY : 2.65 NEUTRON MATRIX : SANDSTONE MATRIX DELTA T : 140
MAGNETIC DECL : 21.000 ELECT. CUTOFF : 77777 BIT SIZE : 11.43
PRESENTATION NAME/DATE = 9057A.0 08/05/2005



GAMMA-RES-NEUTRON RHTR 2005 - 15 08/25/05
ANGLED
LOG PARAMETERS

MATRIX DENSITY : 2.65 NEUTRON MATRIX : SANDSTONE MATRIX DELTA T : 140
MAGNETIC DECL : 21.000 ELECT. CUTOFF : 77777 BIT SIZE : 11.43
PRESENTATION NAME/DATE = 9057A.0 08/05/2005

TOOL CALIBRATION RHTR 2005 - 15 08/25/05 19:12
TOOL 9057A TM VERSION 5500
SERIAL NUMBER 1067

DATE	TIME	SENSOR	STANDARD	RESPONSE
1	Apr12.02 01:41:30	GAMMA	0.000 [API-GR]	10.00 [CPS]
1	Apr12.02 00:41:30	GAMMA	290.000 [API-GR]	350.00 [CPS]
2	Aug02.99 06:17:32	NEUTROI	Default [CPS]	Default [CPS]
2	Aug02.99 06:17:32	NEUTROI	Default [CPS]	Default [CPS]
3	Aug02.99 06:17:32	SP	Default [CPS]	Default [CPS]
3	Aug02.99 06:17:32	SP	Default [CPS]	Default [CPS]
4	Feb22.02 21:30:07	RES(16N)	Default [CPS]	Default [CPS]
4	Feb22.02 21:30:07	RES(16N)	Default [CPS]	Default [CPS]
5	Aug02.99 06:17:32	RES(64N)	Default [CPS]	Default [CPS]
5	Aug02.99 06:17:32	RES(64N)	Default [CPS]	Default [CPS]
6	Mar08.02 15:30:38	TEMP	Default [CPS]	Default [CPS]
6	Mar08.02 15:30:38	TEMP	Default [CPS]	Default [CPS]
7	Aug02.99 06:17:32	RES	Default [CPS]	Default [CPS]
7	Aug02.99 06:17:32	RES	Default [CPS]	Default [CPS]

COMPANY	: NORTHERN ENERGY MINING INC	OTHER SERVICES:	
WELL	: RHTR 2005 - 16 ANGLED		9055
FIELD	: ROMAN MTN		9139
COUNTY	: TUMBLER RIDGE		9410
STATE	: BRITISH COLUMBIA		

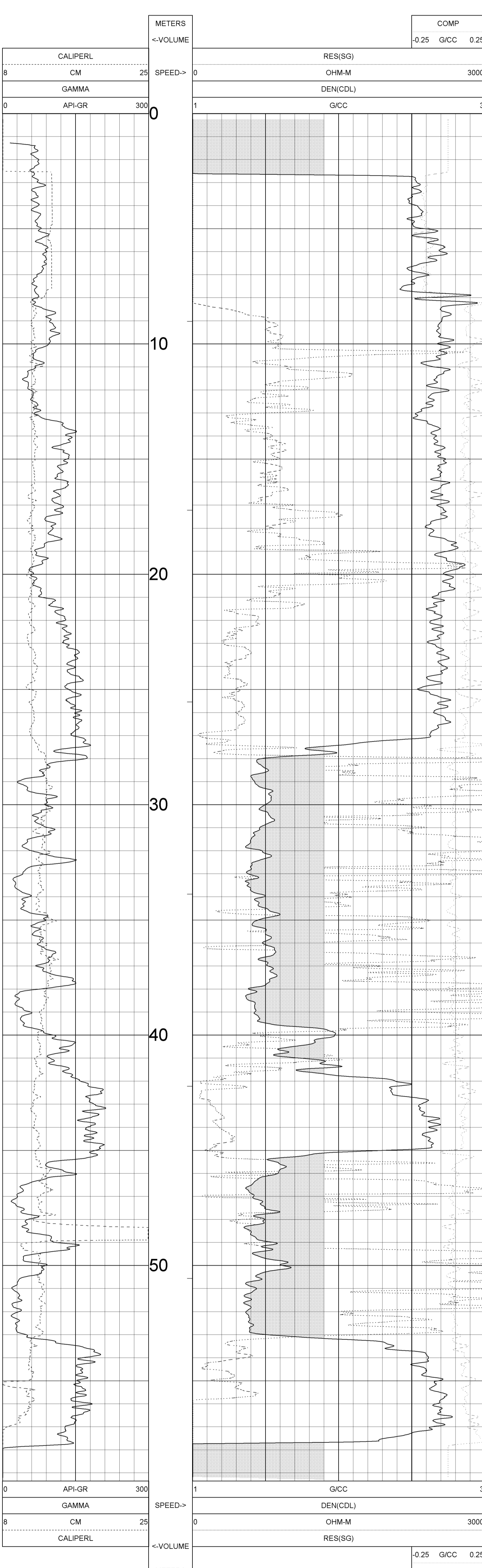
LOCATION	:	
SECTION	:	
TOWNSHIP	:	
RANGE	:	
API NO.	:	
UNIQUE WELL ID	:	
PERMANENT DATUM	: GL	ELEVATION KB:
LOG MEASURED FROM: GL		ELEVATION DF:
DRL MEASURED FROM: GL		ELEVATION GL:

DATE	: 09/20/05
DEPTH DRILLER	: 64
BIT SIZE	: 11.43
LOG TOP	: 0.22
LOG BOTTOM	: 59.32
CASING OD	: 10.2
CASING BOTTOM	: 12.19
CASING TYPE	: SURFACE
BOREHOLE FLUID	: WATER
RM TEMPERATURE	:
MUD RES	:
MUD WEIGHT	:
RECORDED BY	: J. SINKWICH
REMARKS 1	: HOLE ANGLE 50 DEGREES BEARING 215 DEGREES
REMARKS 2	:

**GAMMA-RES-DENSITY RHTR 2005 - 16 09/20/05
ANGLED**

LOG PARAMETERS

MATRIX DENSITY : 2.65 NEUTRON MATRIX : SANDSTONE MATRIX DELTA T : 140
MAGNETIC DECL : 21 ELECT. CUTOFF : 77777 BIT SIZE : 11.43
PRESENTATION NAME/DATE = 9139A1.0 09/16/2005



**GAMMA-RES-DENSITY RHTR 2005 - 16 09/20/05
ANGLED**

LOG PARAMETERS

MATRIX DENSITY : 2.65 NEUTRON MATRIX : SANDSTONE MATRIX DELTA T : 140
MAGNETIC DECL : 21 ELECT. CUTOFF : 77777 BIT SIZE : 11.43
PRESENTATION NAME/DATE = 9139A1.0 09/16/2005

DATE	TIME	SENSOR	STANDARD	RESPONSE
1	Apr14,04 15:57:31	GAMMA	0.000 [API-GR]	6.00 [CPS]
2	Apr14,04 15:57:31	GAMMA	331.000 [API-GR]	488.00 [CPS]
3	Apr14,04 15:57:37	VOLTAGE	0.000 [MV]	5095.00 [CPS]
4	Apr14,04 15:57:37	VOLTAGE	1740.210 [MV]	142354.00 [CPS]
5	Apr14,04 17:20:00	CALIPER	7.850 [INCH]	90360.00 [CPS]
6	Apr14,04 17:20:00	CALIPER	3.850 [INCH]	52980.00 [CPS]
7	Sep21,05 01:32:59	DEN(LS)	1.106 [G/CC]	9853.00 [CPS]
8	Sep21,05 01:32:59	DEN(SS)	1.106 [G/CC]	591.00 [CPS]
9	Sep21,05 01:33:16	DEN(SS)	2.612 [G/CC]	15460.00 [CPS]
10	Sep21,05 01:33:16	DEN(SS)	2.612 [G/CC]	4947.00 [CPS]
11	Sep16,05 21:54:59	CALIPERL	7.620 [INCH]	48027.00 [CPS]
12	Sep16,05 21:54:59	CALIPERL	25.400 [INCH]	79526.00 [CPS]
13	Apr14,04 15:58:08	CURRENT	0.000 [UA]	4640.00 [CPS]
14	Apr14,04 15:58:08	CURRENT	249.000 [UA]	37608.00 [CPS]
15	Apr14,04 15:58:28	TEMP	170.000 [DEG F]	95500.00 [CPS]
16	Apr14,04 15:58:28	TEMP	68.000 [DEG F]	50541.00 [CPS]

TOOL CALIBRATION RHTR 2005 - 16 09/20/05 18:41
TOOL 9139A1 TM VERSION 1003
SERIAL NUMBER 963

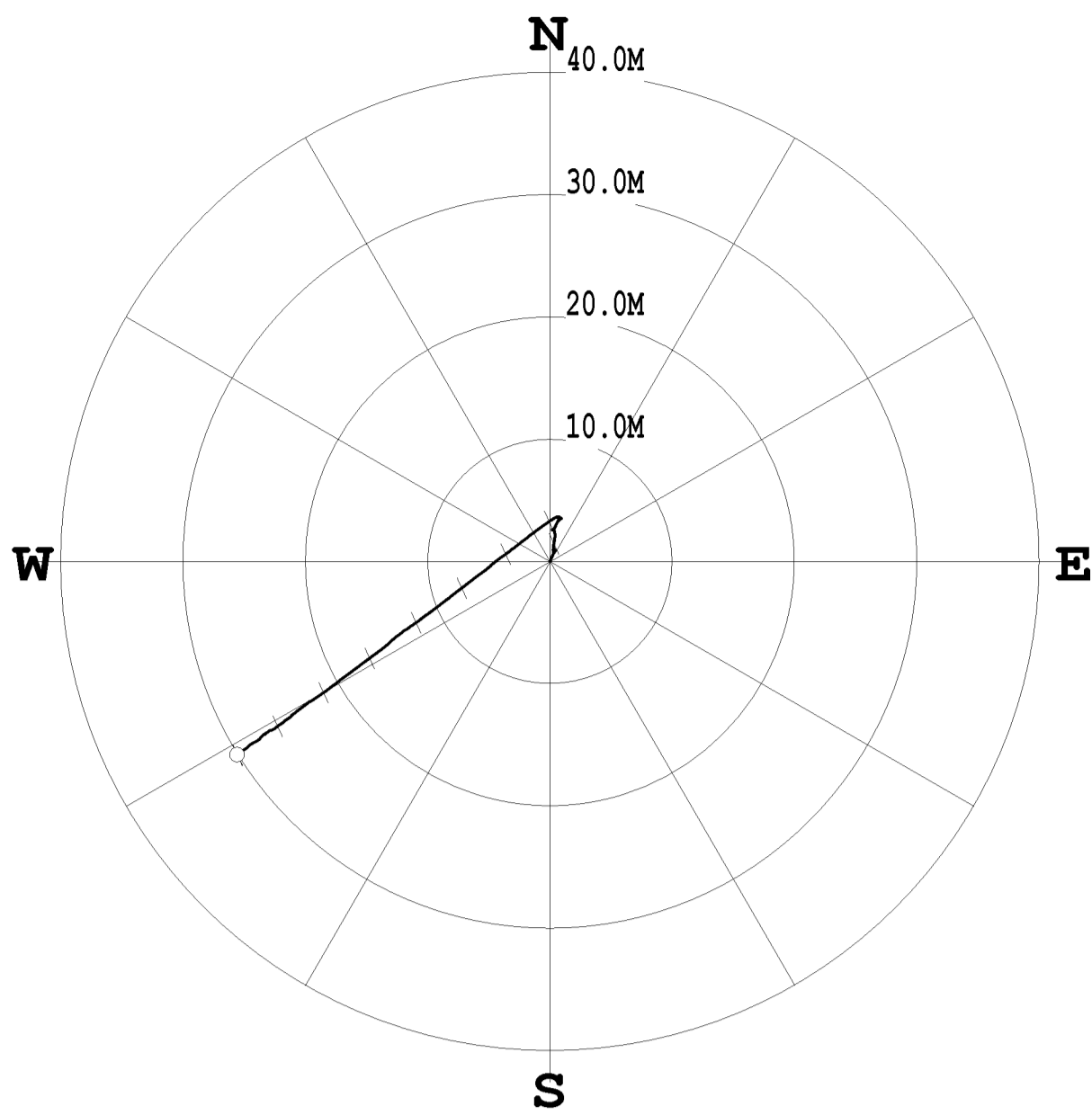
ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS

PLAN VIEW COMPU-LOG DEVIATION

CLIENT: NORTHERN ENERGY MINING INC
LOCATION: ROMAN MTN
HOLE ID: RHTR 2005 - 16
DATE OF LOG: 09/20/05
PROBE: 9055A 80

MAG DECL: 21.0

SCALE: 5 M/CM
TRUE DEPTH: 44.25 M
AZIMUTH: 238.3
DISTANCE: 30.1 M
+ = 5 M INCR
○ = BOTTOM OF HOLE



COMPANY : NORTHERN ENERGY MINING INC
WELL : RHTR 2005 - 16 ANGLED
FIELD : ROMAN MTN
COUNTY : TUMBLER RIDGE
STATE : BRITISH COLUMBIA

OTHER SERVICES:
9055
9139
9410

LOCATION :
SECTION :
TOWNSHIP :
RANGE :
API NO. :
UNIQUE WELL ID. :
PERMANENT DATUM : GL
LOG MEASURED FROM: GL
DRL MEASURED FROM: GL

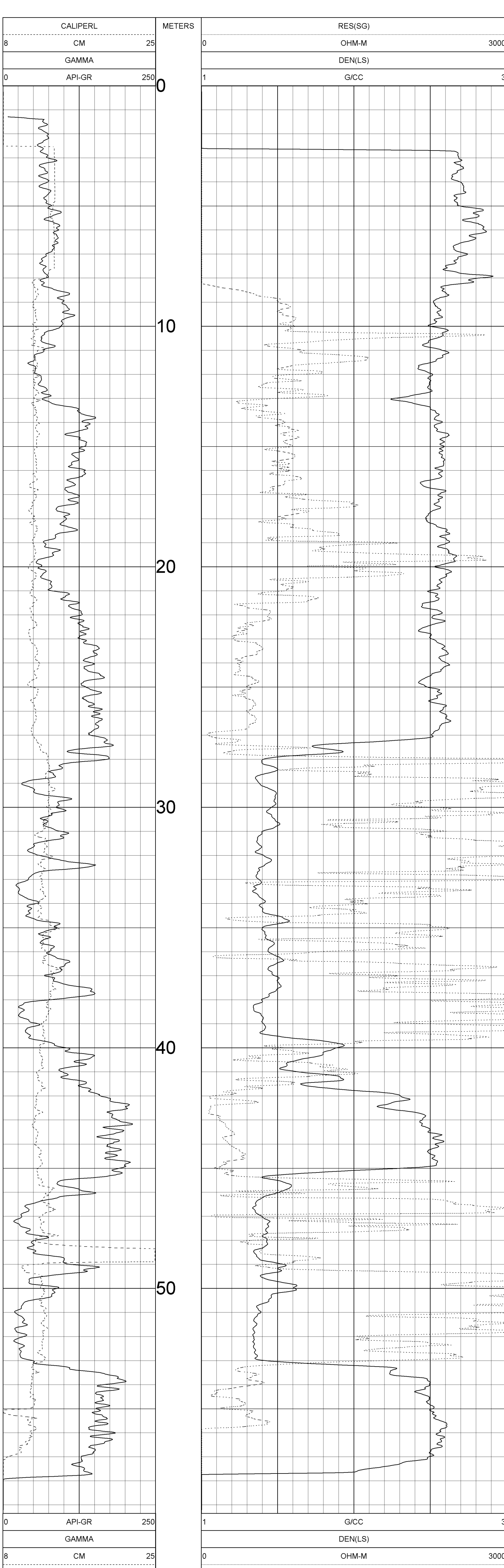
ELEVATION KB :
ELEVATION DF :
ELEVATION GL :

DATE : 09/20/05
DEPTH DRILLER : 64
BIT SIZE : 11.43
LOG TOP : 0.22
LOG BOTTOM : 59.32
CASING OD : 10.2
CASING BOTTOM : 12.19
CASING TYPE : SURFACE
BOREHOLE FLUID : WATER
RM TEMPERATURE :
MUD RES :
MUD WEIGHT :
RECORDED BY : J. SINKWICH
REMARKS 1 : HOLE ANGLE: 50 DEGREES BEARING: 215 DEGREES
REMARKS 2 :
ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS

**GAMMA-RES-LONG SPACE DENSITY RHTR 2005 - 16 09/20/05
ANGLED**

LOG PARAMETERS

MATRIX DENSITY : 2.65 NEUTRON MATRIX : SANDSTONE MATRIX DELTA T : 140
MAGNETIC DECL : 21 ELECT. CUTOFF : 77777 BIT SIZE : 11.43
PRESENTATION NAME/DATE = 9139long space.0 08/09/2005



**GAMMA-RES-LONG SPACE DENSITY RHTR 2005 - 16 09/20/05
ANGLED**

LOG PARAMETERS

MATRIX DENSITY : 2.65 NEUTRON MATRIX : SANDSTONE MATRIX DELTA T : 140
MAGNETIC DECL : 21 ELECT. CUTOFF : 77777 BIT SIZE : 11.43
PRESENTATION NAME/DATE = 9139long space.0 08/09/2005

TOOL CALIBRATION RHTR 2005 - 16 09/20/05 18:41
TOOL 9139A1 TM VERSION 1003
SERIAL NUMBER 963

DATE	TIME	SENSOR	STANDARD	RESPONSE
1	Apr14,04 15:57:31	GAMMA	0.000 [API-GR]	6.00 [CPS]
1	Apr14,04 15:57:31	GAMMA	331.000 [API-GR]	488.00 [CPS]
2	Apr14,04 15:57:37	VOLTAGE	0.000 [MV]	5095.00 [CPS]
2	Apr14,04 15:57:37	VOLTAGE	1740.210 [MV]	142354.00 [CPS]
3	Apr14,04 17:20:00	CALIPER	7.850 [INCH]	90360.00 [CPS]
3	Apr14,04 17:20:00	CALIPER	3.850 [INCH]	52980.00 [CPS]
4	Sep21,05 01:32:59	DEN(LS)	1.106 [G/CC]	9853.00 [CPS]
4	Sep21,05 01:32:59	DEN(LS)	2.612 [G/CC]	591.00 [CPS]
5	Sep21,05 01:33:16	DEN(SS)	1.106 [G/CC]	15460.00 [CPS]
5	Sep21,05 01:33:16	DEN(SS)	2.612 [G/CC]	4947.00 [CPS]
6	Sep16,05 21:54:59	CALIPERL	7.620 [INCH]	48027.00 [CPS]
6	Sep16,05 21:54:59	CALIPERL	25.400 [INCH]	79526.00 [CPS]
7	Apr14,04 15:58:08	CURRENT	0.000 [UA]	4640.00 [CPS]
7	Apr14,04 15:58:08	CURRENT	249.000 [UA]	37608.00 [CPS]
8	Apr14,04 15:58:28	TEMP	170.000 [DEG F]	95500.00 [CPS]
8	Apr14,04 15:58:28	TEMP	68.000 [DEG F]	50541.00 [CPS]

COMPANY	: NORTHERN ENERGY MINING INC	OTHER SERVICES:	
WELL	: RHTR 2005 - 16 ANGLED		
FIELD	: ROMAN MTN		
COUNTY	: TUMBLER RIDGE		
STATE	: BRITISH COLUMBIA		
			9410

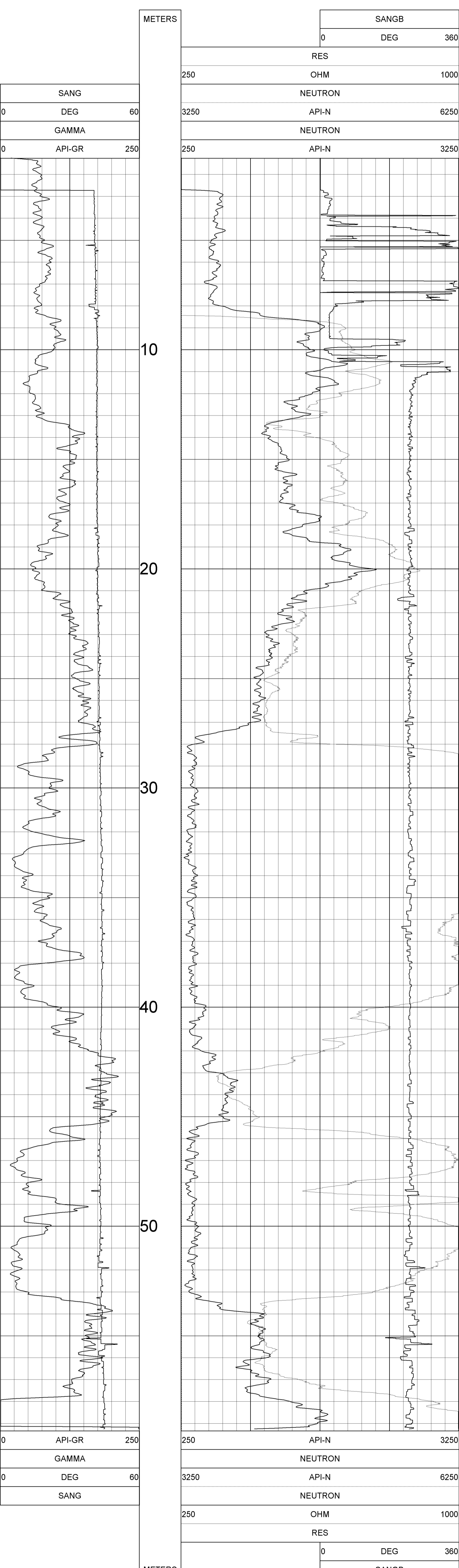
LOCATION	:	
SECTION	:	
TOWNSHIP	:	
RANGE	:	
API NO.	:	
UNIQUE WELL ID.	:	
PERMANENT DATUM	: GL	ELEVATION KB:
LOG MEASURED FROM	: GL	ELEVATION DF:
DRL MEASURED FROM	: GL	ELEVATION GL:

DATE	: 09/20/05
DEPTH DRILLER	: 64
BIT SIZE	: 11.43
LOG TOP	: 1.25
LOG BOTTOM	: 59.32
CASING OD	: 10.2
CASING BOTTOM	: 12.19
CASING TYPE	: SURFACE
BOREHOLE FLUID	: WATER
RM TEMPERATURE	:
MUD RES	:
MUD WEIGHT	:
RECORDED BY	: J. SINKWICH
REMARKS 1	: HOLE ANGLE: 50 DEGREES BEARING: 215 DEGREES
REMARKS 2	:

GAMMA-RES-NEUTRON RHTR 2005 - 16 09/20/05
ANGLED

LOG PARAMETERS

MATRIX DENSITY : 2.65	NEUTRON MATRIX : SANDSTONE	MATRIX DELTA T : 140
MAGNETIC DECL : 21.000	ELECT. CUTOFF : 77777	BIT SIZE : 11.43
PRESENTATION NAME/DATE = 9055A.0 09/19/2005		



GAMMA-RES-NEUTRON RHTR 2005 - 16 09/20/05
ANGLED

LOG PARAMETERS

MATRIX DENSITY : 2.65	NEUTRON MATRIX : SANDSTONE	MATRIX DELTA T : 140
MAGNETIC DECL : 21.000	ELECT. CUTOFF : 77777	BIT SIZE : 11.43
PRESENTATION NAME/DATE = 9055A.0 09/19/2005		

TOOL CALIBRATION RHTR 2005 - 16 09/20/05 18:15
SERIAL 9055A TM VERSION 3200
SERIAL NUMBER 80

DATE	TIME	SENSOR	STANDARD	RESPONSE
1	Jul27,04 08:52:42	GAMMA	15.000 [API-GR]	1.00 [CPS]
	Jul27,04 07:52:42	GAMMA	250.000 [API-GR]	240.00 [CPS]
2	May24,99 13:14:46	POROSI	185.000 [CPS]	
3	May24,99 13:14:46	RES	Default [CPS]	Default [CPS]
4	May24,99 13:14:46	RES	Default [CPS]	Default [CPS]
5	May24,99 13:14:46	SP	Default [CPS]	Default [CPS]
6	May21,04 19:23:23	NEUTROI	Default [CPS]	Default [CPS]
	May21,04 19:23:23	NEUTRC	271.000 [API-N]	185.00 [CPS]
6	Feb20,02 17:17:55	TEMP	51.000 [DEG F]	1104.00 [CPS]
	Feb20,02 17:17:55	TEMP	95.200 [DEG F]	450.00 [CPS]

COMPANY : NORTHERN ENERGY MINING INC

WELL : RHTR 2005 - 16 ANGLED

FIELD : ROMAN MTN

COUNTY : TUMBLER RIDGE

STATE : BRITISH COLUMBIA

OTHER SERVICES:

9055

9139

9410

LOCATION :

SECTION :

TOWNSHIP :

RANGE :

API NO. :

UNIQUE WELL ID. :

PERMANENT DATUM : GL

LOG MEASURED FROM: GL

DRL MEASURED FROM: GL

DATE : 09/20/05

DEPTH DRILLER : 64

BIT SIZE : 11.43

LOG TOP : 0.22

LOG BOTTOM : 59.32

CASING OD : 10.2

CASING BOTTOM : 12.19

CASING TYPE : SURFACE

BOREHOLE FLUID : WATER

RM TEMPERATURE :

MUD RES :

MUD WEIGHT :

RECORDED BY : J. SINKWICH

REMARKS 1 : HOLE ANGLE: 50 DEGREES BEARING: 215 DEGREES

REMARKS 2 :

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS

**GAMMA-RES-SHORT-SPACE-DENSITY RHTR 2005 - 16 09/20/05
ANGLED**

LOG PARAMETERS

MATRIX DENSITY : 2.65

NEUTRON MATRIX : SANDSTONE

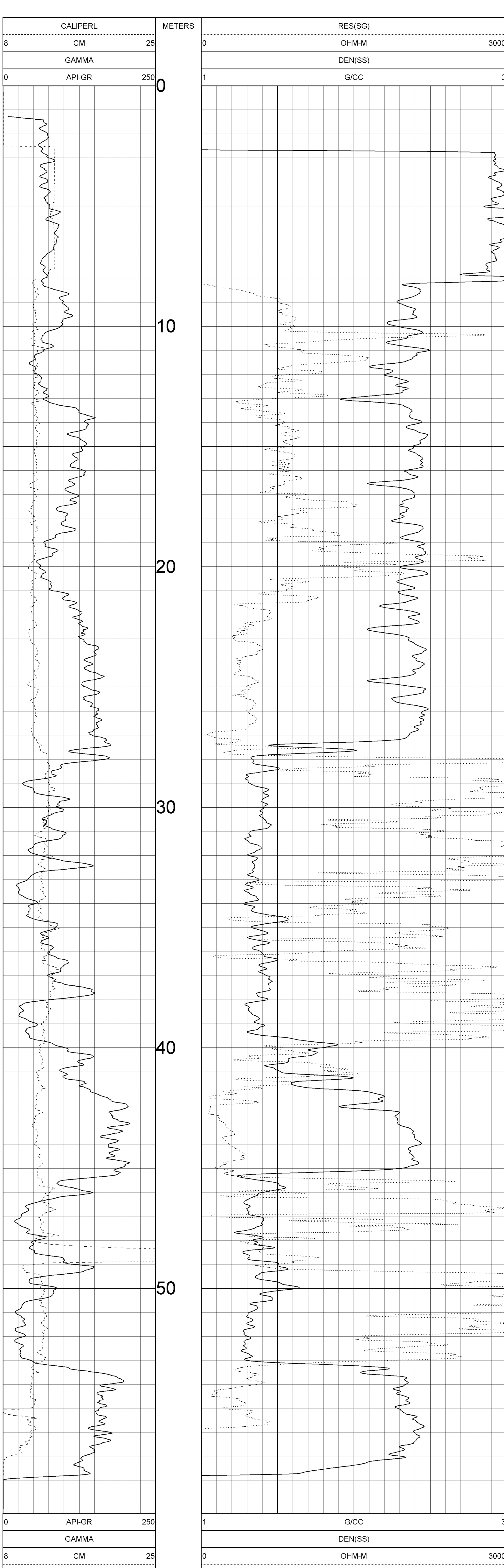
MATRIX DELTA T : 140

MAGNETIC DECL : 21

ELECT. CUTOFF : 77777

BIT SIZE : 11.43

PRESENTATION NAME/DATE = 9139short space.0 09/19/2005



**GAMMA-RES-SHORT-SPACE-DENSITY RHTR 2005 - 16 09/20/05
ANGLED**

LOG PARAMETERS

MATRIX DENSITY : 2.65

NEUTRON MATRIX : SANDSTONE

MATRIX DELTA T : 140

MAGNETIC DECL : 21

ELECT. CUTOFF : 77777

BIT SIZE : 11.43

PRESENTATION NAME/DATE = 9139short space.0 09/19/2005

TOOL CALIBRATION RHTR 2005 - 16 09/20/05 18:41
TOOL 9139A1 TM VERSION 1003
SERIAL NUMBER 963

DATE	TIME	SENSOR	STANDARD	RESPONSE
1	Apr14,04 15:57:31	GAMMA	0.000 [API-GR]	6.00 [CPS]
1	Apr14,04 15:57:31	GAMMA	331.000 [API-GR]	488.00 [CPS]
2	Apr14,04 15:57:37	VOLTAGE	0.000 [MV]	5095.00 [CPS]
2	Apr14,04 15:57:37	VOLTAGE	1740.210 [MV]	142354.00 [CPS]
3	Apr14,04 17:20:00	CALIPER	7.850 [INCH]	90360.00 [CPS]
3	Apr14,04 17:20:00	CALIPER	3.850 [INCH]	52980.00 [CPS]
4	Sep21,05 01:32:59	DEN(LS)	1.106 [G/CC]	9853.00 [CPS]
4	Sep21,05 01:32:59	DEN(LS)	2.612 [G/CC]	591.00 [CPS]
5	Sep21,05 01:33:16	DEN(SS)	1.106 [G/CC]	15460.00 [CPS]
5	Sep21,05 01:33:16	DEN(SS)	2.612 [G/CC]	4947.00 [CPS]
6	Sep16,05 21:54:59	CALIPERL	7.620 [INCH]	48027.00 [CPS]
6	Sep16,05 21:54:59	CALIPERL	25.400 [INCH]	79526.00 [CPS]
7	Apr14,04 15:58:08	CURRENT	0.000 [UA]	4640.00 [CPS]
7	Apr14,04 15:58:08	CURRENT	249.000 [UA]	37608.00 [CPS]
8	Apr14,04 15:58:28	TEMP	170.000 [DEG F]	95500.00 [CPS]
8	Apr14,04 15:58:28	TEMP	68.000 [DEG F]	50541.00 [CPS]

COMPANY	NORTHERN ENERGY MINING INC	OTHER SERVICES:
WELL	RHTR 2005 - 16ANGLED	9055
FIELD	ROMAN MTN	9139
COUNTY	TUMBLER RIDGE	9410
STATE	BRITISH COLUMBIA	

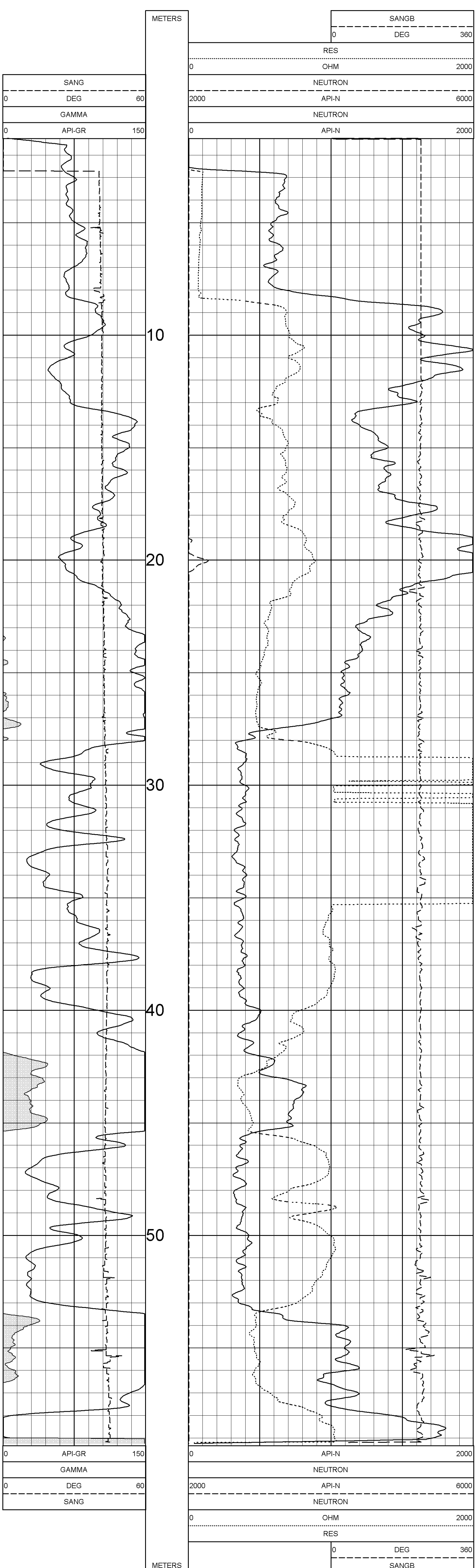
LOCATION	:	
SECTION	:	
TOWNSHIP	:	
RANGE	:	
API NO.	:	
UNIQUE WELL ID.	:	
PERMANENT DATUM	:SL	ELEVATION RB :
LOG MEASURED FROM GL		ELEVATION DF :
DRL MEASURED FROM GL		ELEVATION GL :

DATE	:09/20/05
DEPTH DRILLER	:64
BIT SIZE	:11.43
LOG TOP	:1.25
LOG BOTTOM	:59.32
CASING OD	:10.2
CASING BOTTOM	:12.19
CASING TYPE	:SURFACE
BOREHOLE FLUID	:WATER
RM TEMPERATURE	:
MUD RES	:
MUD WEIGHT	:
WITNESSED BY	:RON
RECORDED BY	:J. SINKWICH
REMARKS 1	:HOLE ANGLE: 50 DEGREES BEARING: 215 DEGREES
REMARKS 2	:

GAMMA-RES-NEUTRON RHTR 2005 - 16 09/20/05

ANGLED LOG PARAMETERS

MATRIX DENSITY : 2.65 NEUTRON MATRIX : SANDSTONE MATRIX DELTA T : 140
 MAGNETIC DECL : 21 ELECT. CUTOFF : 77777 BIT SIZE : 11.43
 PRESENTATION NAME/DATE = CAN9057-67GR-NEU.0 07/21/2005



GAMMA-RES-NEUTRON RHTR 2005 - 16 09/20/05

ANGLED LOG PARAMETERS

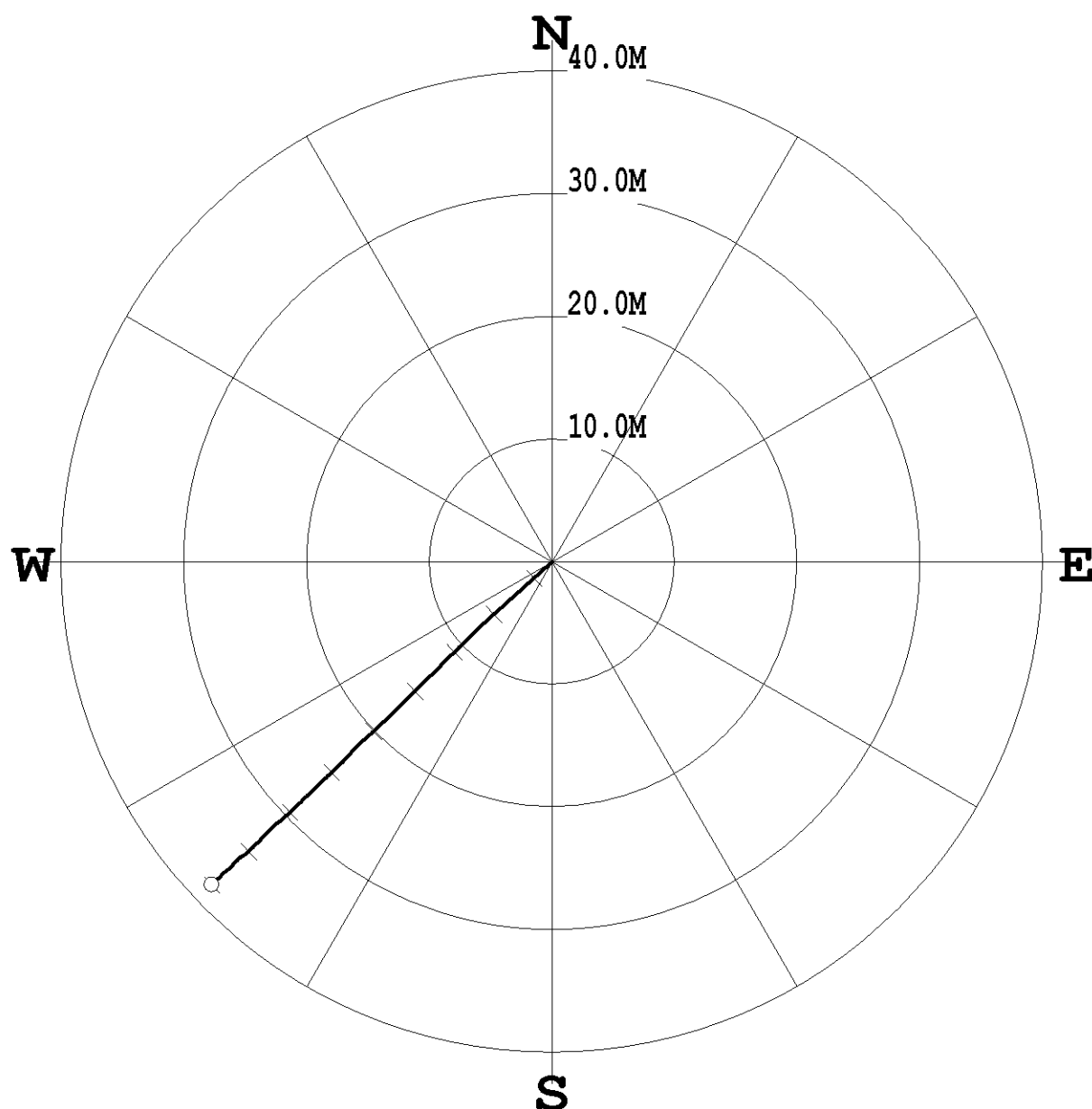
MATRIX DENSITY : 2.65 NEUTRON MATRIX : SANDSTONE MATRIX DELTA T : 140
 MAGNETIC DECL : 21 ELECT. CUTOFF : 77777 BIT SIZE : 11.43
 PRESENTATION NAME/DATE = CAN9057-67GR-NEU.0 07/21/2005

PLAN VIEW COMPU-LOG DEVIATION

CLIENT: NORTHERN ENERGY MINING INC
LOCATION: ROMAN MTN
HOLE ID: RHTR 2005 - 16
DATE OF LOG: 09/20/05
PROBE: 9055A 80

MAG DECL: 21.0

SCALE: 5 M/CM
TRUE DEPTH: 44.25 M
AZIMUTH: 226.5
DISTANCE: 38.2 M
+ = 5 M INCR
○ = BOTTOM OF HOLE





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**GAMMA - CALIPER - RESISTIVITY
COMPENSATED DENSITY**

RH TR 2005 - 18

COMPANY: NORTHERN ENERGY MINING INC
 WELL: RH TR 2005 - 18
 FIELD: ROMAN MTN
 MUNICIPALITY: TUMBLER RIDGE
 PROVINCE: BRITISH COLUMBIA

OTHER SERVICES:
 9055
 9139

LOCATION :
 SECTION :
 TOWNSHIP :
 RANGE :
 API NO. :
 UNIQUE WELL ID. :
 PERMANENT DATUM :GL
 LOG MEASURED FROM :GL
 DRL MEASURED FROM :GL

ELEVATION RB :
 ELEVATION DF :
 ELEVATION GL :

DATE : 09/07/05

RUN NO. : 1

DEPTH DRILLER : 43

BIT SIZE : 11.43

LOG TOP : 4.48

LOG BOTTOM : 41.67

CASING OD : 13.3

CASING BOTTOM : 9.14

CASING TYPE : SURFACE

BOREHOLE FLUID : WATER

RM TEMPERATURE : :

MUD RES : :

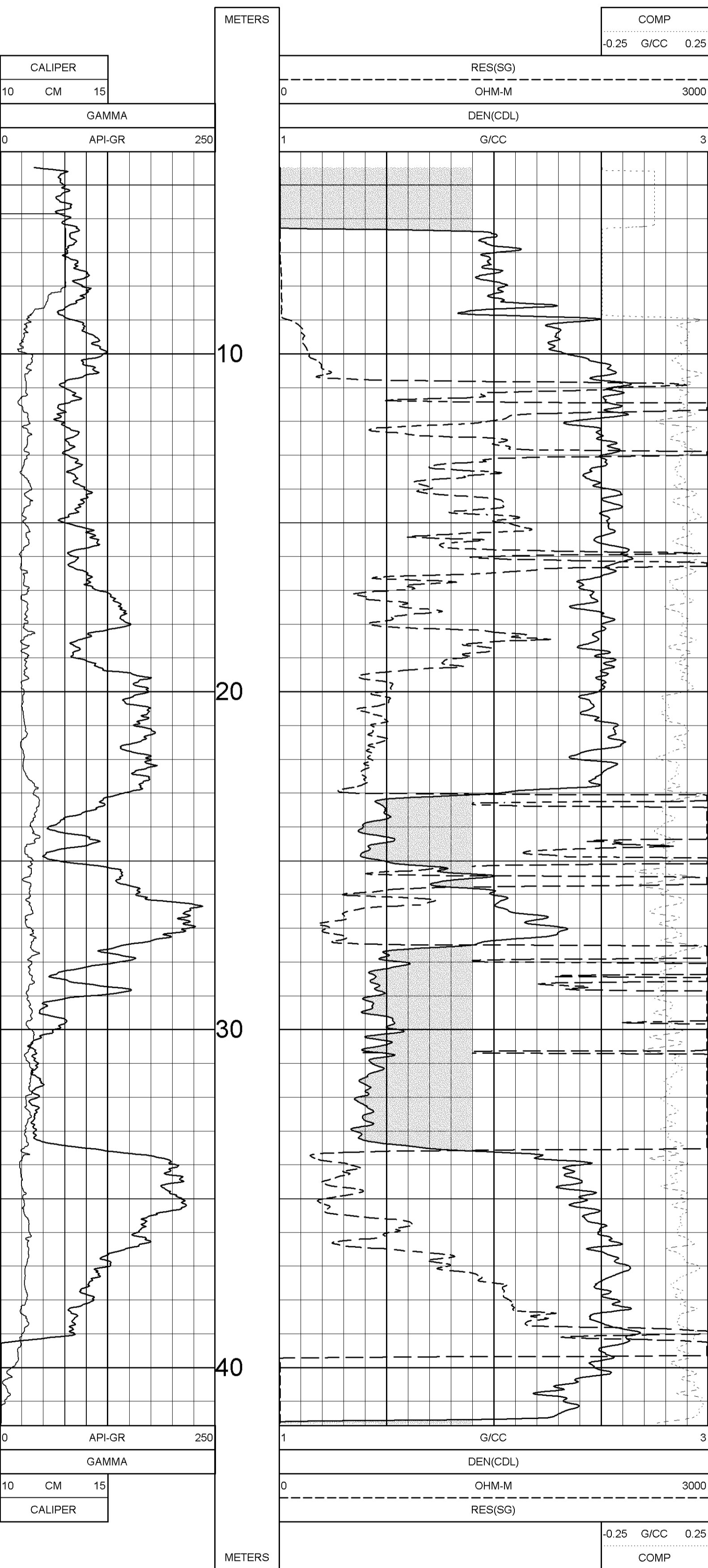
WITNESSED BY : RON

RECORDED BY : J. SINKWICH

REMARKS 1 : ANGLED HOLE: 80 DEGREES AZIMUTH: 035 DEGREES

REMARKS 2 : :

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS

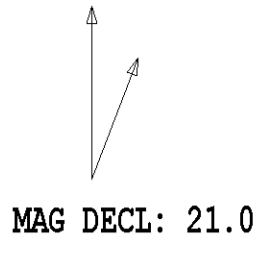


TOOL CALIBRATION RH TR 2005 - 18 09/07/05 14:55
 TOOL 9139A
 SERIAL NUMBER 1240

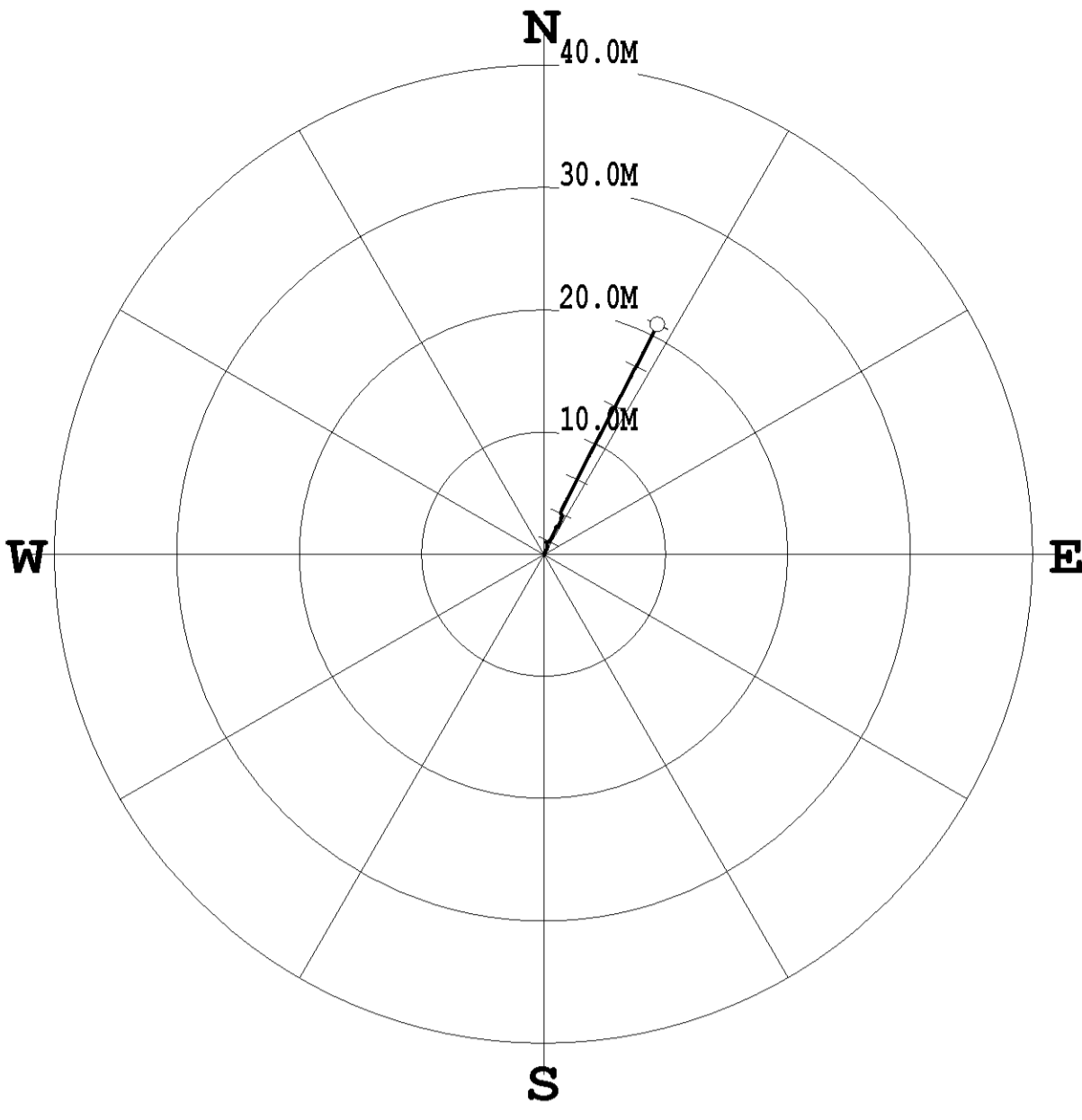
DATE	TIME	SENSOR	STANDARD	RESPONSE
1	Jul13,05 14:11:07	GAMMA	0.000 [API-GR]	2.00 [CPS]
	Jul13,05 13:11:07	GAMMA	283.000 [API-GR]	294.00 [CPS]
2	Jul13,05 13:00:47	VOLTAGE	0.000 [MV]	4601.00 [CPS]
	Jul13,05 13:00:47	VOLTAGE	1999.000 [MV]	271516.00 [CPS]
3	Aug15,05 18:38:58	CALIPER	10.160 [INCH]	111254.00 [CPS]
	Aug15,05 18:38:58	CALIPER	15.240 [INCH]	342483.00 [CPS]
4	Aug15,05 16:46:42	DEN(LS)	1.106 [G/CC]	7465.00 [CPS]
	Aug15,05 16:46:42	DEN(LS)	2.400 [G/CC]	447.90 [CPS]
5	Aug15,05 16:47:11	DEN(SS)	1.106 [G/CC]	14217.00 [CPS]
	Aug15,05 16:47:11	DEN(SS)	2.400 [G/CC]	4549.44 [CPS]
6	Jul13,05 12:44:29	CALIPERL	6.000 [INCH]	150340.00 [CPS]
	Jul13,05 12:44:29	CALIPERL	12.000 [INCH]	346430.00 [CPS]
7	Jul13,05 13:02:39	CURRENT	0.000 [UA]	5387.00 [CPS]
	Jul13,05 13:02:39	CURRENT	286.900 [UA]	28883.00 [CPS]
8	Jul13,05 14:02:09	TEMP	37.000 [DEG F]	169525.00 [CPS]
	Jul13,05 14:02:09	TEMP	130.000 [DEG F]	438295.00 [CPS]

PLAN VIEW COMPU-LOG DEVIATION

CLIENT: NORTHERN ENERGY MINING INC
LOCATION: ROMAN MTN
HOLE ID: RH TR 2005 - 18
DATE OF LOG: 09/07/05
PROBE: 9055A 80

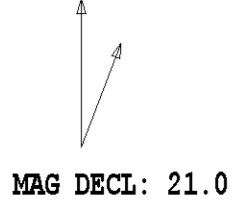


SCALE: 5 M/CM
TRUE DEPTH: 34.98 M
AZIMUTH: 26.3
DISTANCE: 21.0 M
+ = 5 M INCR
○ = BOTTOM OF HOLE

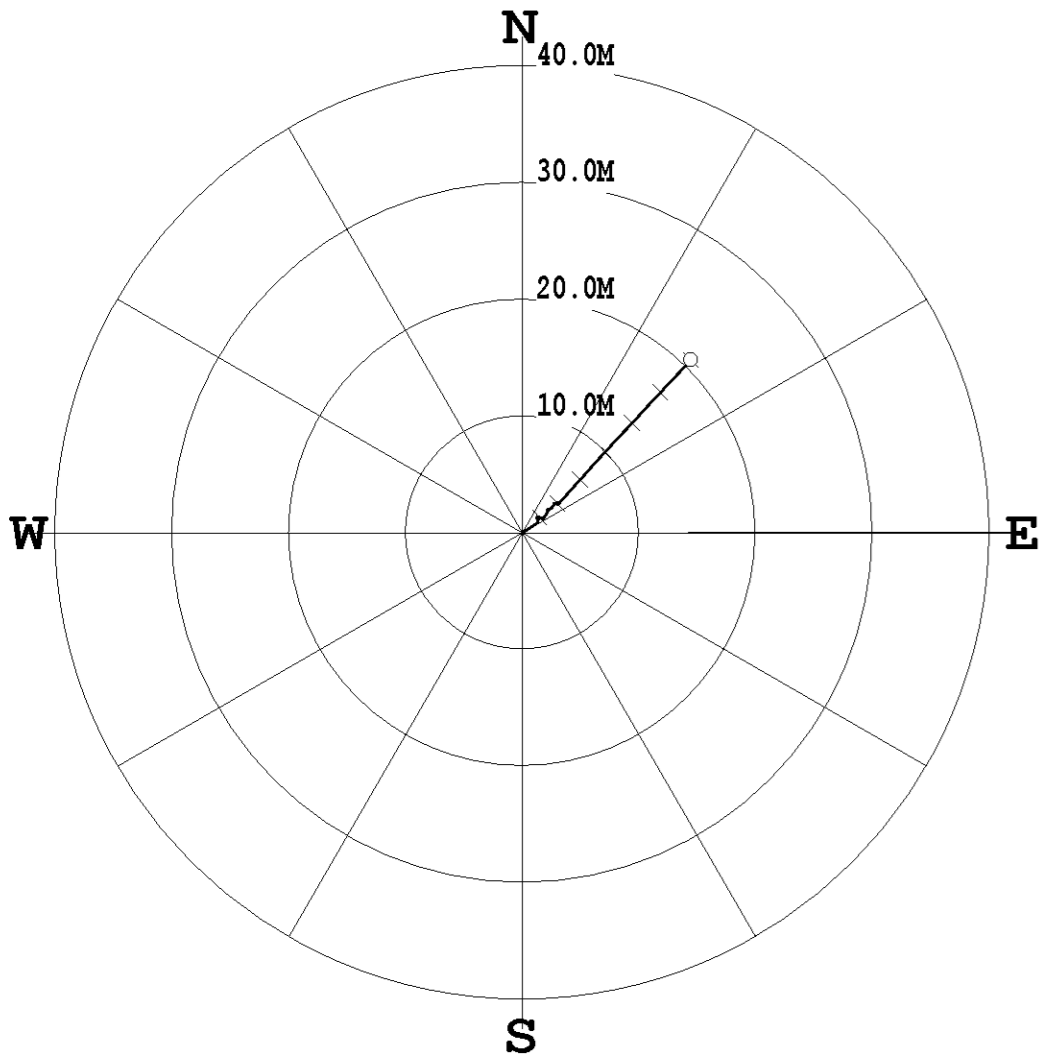


PLAN VIEW COMPU-LOG DEVIATION

CLIENT: NORTHERN ENERGY MINING INC
LOCATION: ROMAN MTN
HOLE ID: RH TR 2005 - 18
DATE OF LOG: 09/07/05
PROBE: 9410A 377



SCALE: 5 M/CM
TRUE DEPTH: 35.01 M
AZIMUTH: 44.3
DISTANCE: 20.7 M
+ = 5 M INCR
○ = BOTTOM OF HOLE

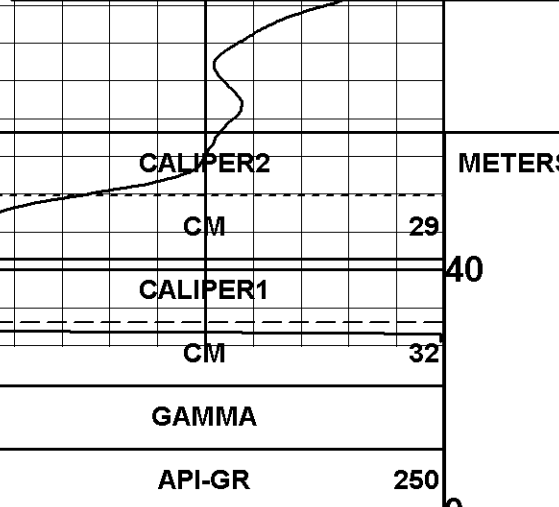
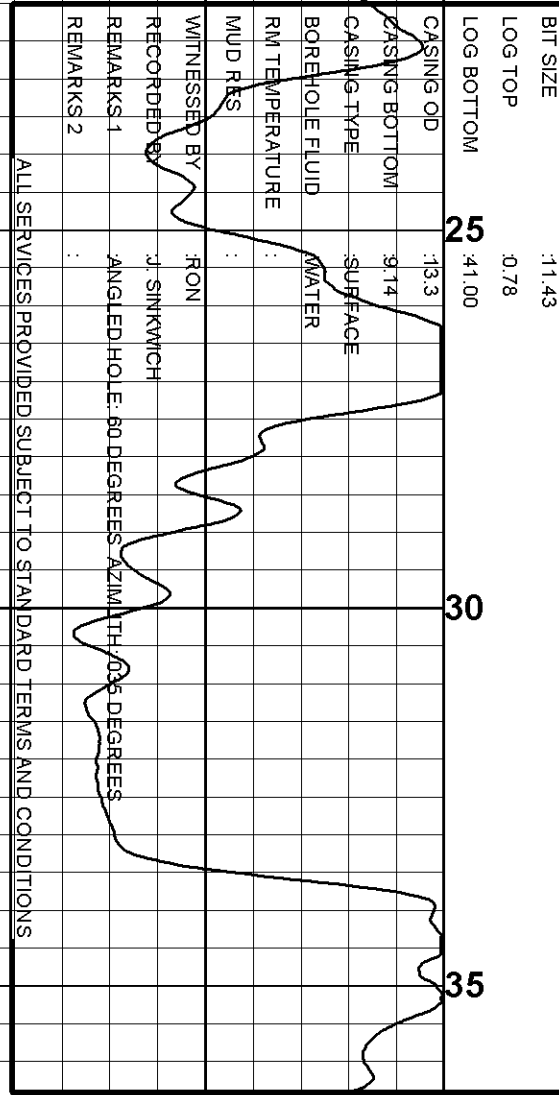
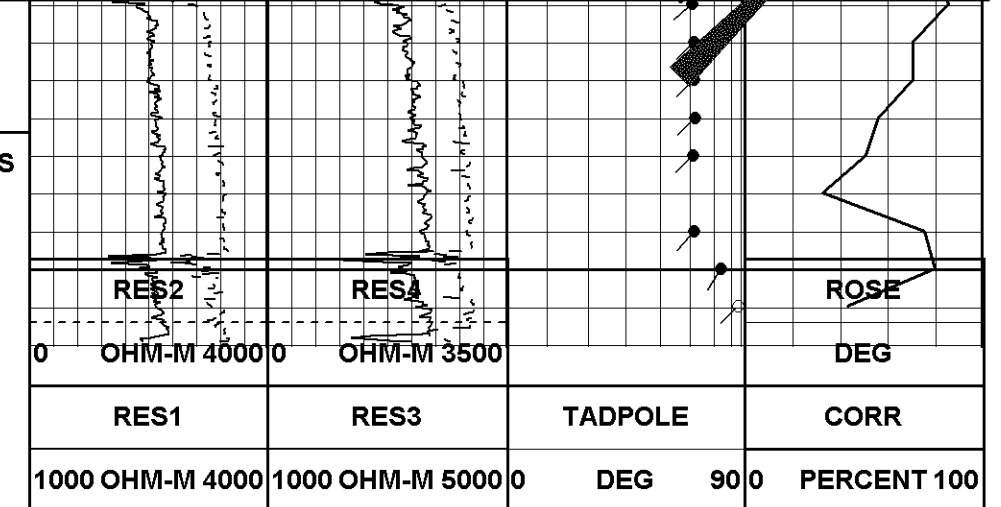




DIPMETER

RH TH 2005 - 18

CENTURY-geo.com
 COMPANY NORTH ENERGY MANUNG INC
 WELL RH TH 2005
 FIELD ROMAN MTN
 MUNICIPALITY TUMBLER RIDGE
 PROVINCE BRITISH COLUMBIA
 LOCATION 50° 15' 00" N 124° 15' 00" W
 SHEET TYPING
 VESSEL ROMAN MOUNTAIN
 RANGE
 APINO
 UNIQUE WELL ID
 PERMANENT DATA
 LOG MEASURED FROM SL
 DRH MEASURED FROM
 DATE
 RUN NO. 3
 DEPTH DRILLER
 BIT SIZE .1143
 LOG TOP 0.78
 LOG BOTTOM 41.00
 CASING OD 73.3
 CASING BOTTOM 9.74
 CASING TYPE SURFACE
 BOREHOLE FLUID WATER
 RM TEMPERATURE
 MUD RES
 WITNESSED BY RON
 RECORDED BY J. SINKWICH
 REMARKS 1 ANGLED HOLE: 80 DEGREES AZIMUTH / 03 DEGREES
 REMARKS 2



ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS



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GAMMA - NEUTRON

RH TR 2005 - 18

COMPANY : NORTHERN ENERGY MINING INC
 WELL : RH TR 2005 - 18
 FIELD : ROMAN MTN
 MUNICIPALITY : TUMBLER RIDGE
 PROVINCE : BRITISH COLUMBIA

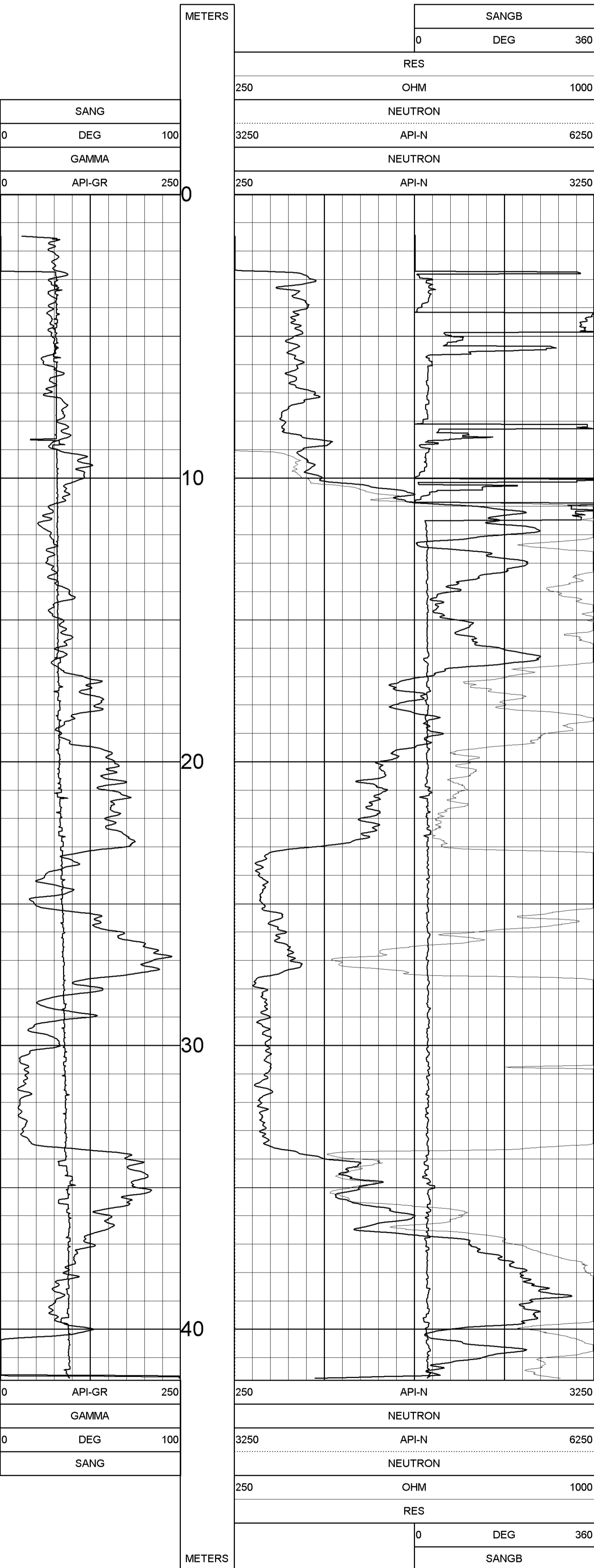
OTHER SERVICES:
 9055
 9139

LOCATION :
 SECTION :
 TOWNSHIP :
 RANGE :
 API NO. :
 UNIQUE WELL ID. :

PERMANENT DATUM : GL
 LOG MEASURED FROM : GL
 DRL MEASURED FROM : GL
 DATE : 09/07/05
 ELEVATION KB :
 ELEVATION DF :
 ELEVATION GL :

DEPTH DRILLER : J3
 BIT SIZE : 11.43
 LOG TOP : 1.43
 LOG BOTTOM : 41.75
 CASING OD : 13.3
 CASING BOTTOM : 9.14
 CASING TYPE : SURFACE
 BOREHOLE FLUID : WATER
 BOREHOLE TEMPERATURE :
 MUD RES :
 WITNESSED BY : RON
 RECORDED BY : J. SINKWICH

REMARKS 1 : ANGLED HOLE: 60 DEGREES AZIMUTH: 035 DEGREES
 REMARKS 2 :
 ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS



TOOL CALIBRATION RH TR 2005 - 18 09/07/05 14:36
 TOOL 9055A
 SERIAL NUMBER 80

DATE	TIME	SENSOR	STANDARD	RESPONSE
1	Jul27,04 08:52:42	GAMMA	15.000 [API-GR]	1.00 [CPS]
	Jul27,04 07:52:42	GAMMA	250.000 [API-GR]	240.00 [CPS]
2	May24,99 13:14:46	POROSI	185.000 [CPS]	
3	May24,99 13:14:46	RES	Default [CPS]	Default [CPS]
	May24,99 13:14:46	RES	Default [CPS]	Default [CPS]
4	May24,99 13:14:46	SP	Default [CPS]	Default [CPS]
	May24,99 13:14:46	SP	Default [CPS]	Default [CPS]
5	May21,04 19:23:23	NEUTROI	Default [CPS]	Default [CPS]
	May21,04 19:23:23	NEUTRC	271.000 [API-N]	185.00 [CPS]
6	Feb20,02 17:17:55	TEMP	51.000 [DEG F]	1104.00 [CPS]
	Feb20,02 17:17:55	TEMP	95.200 [DEG F]	450.00 [CPS]



**GAMMA - CALIPER - RESISTIVITY
COMPENSATED DENSITY**

RHTR 2005 - 23

ANGLED

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COMPANY : NORTHERN ENERGY MINING INC
 WELL : RHTR 2005 - 23 ANGLED
 FIELD : ROMAN MTN
 COUNTY : TUMBLER RIDGE
 STATE : BRITISH COLUMBIA

OTHER SERVICES:
 9055
 9139

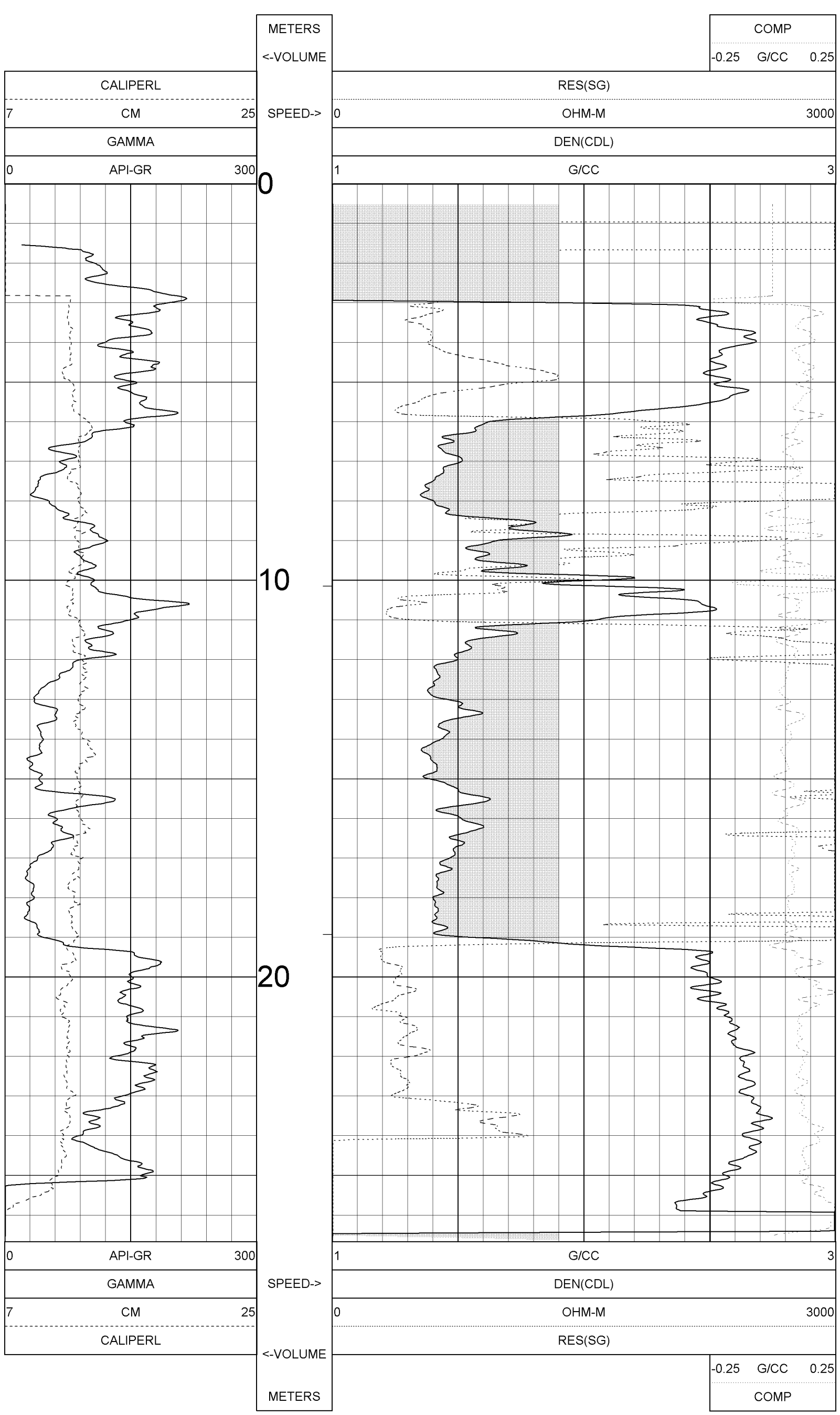
LOCATION :
 SECTION :
 TOWNSHIP :
 RANGE :
 API NO. :
 UNIQUE WELL ID. :
 PERMANENT DATUM : GL
 LOG MEASURED FROM : GL
 DRL MEASURED FROM : GL
 DATE : 09/24/05
 DEPTH DRILLER : 27
 BIT SIZE : 11.43
 LOG TOP : 0.48
 LOG BOTTOM : 26.63
 CASING OD : 16.51
 CASING BOTTOM : 3.05
 CASING TYPE : SURFACE
 BOREHOLE FLUID :
 RM TEMPERATURE :
 MUD RES :
 MUD WEIGHT :

ELEVATION KB :
 ELEVATION DF :
 ELEVATION GL :
 RECORDED BY : J. SINKWICH
 REMARKS 1 : HOLE ANGLE: 65 DEGREES BEARING: 215 DEGREES
 REMARKS 2 :
 ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS

**COMPENSATED DENSITY RHTR 2005 - 23 09/24/05
ANGLED**

LOG PARAMETERS

MATRIX DENSITY : 2.65 NEUTRON MATRIX : SANDSTONE MATRIX DELTA T : 140
 MAGNETIC DECL : 21 ELECT. CUTOFF : 77777 BIT SIZE : 11.43
 PRESENTATION NAME/DATE = 9139A1.0 09/24/2005



**COMPENSATED DENSITY RHTR 2005 - 23 09/24/05
ANGLED**

LOG PARAMETERS

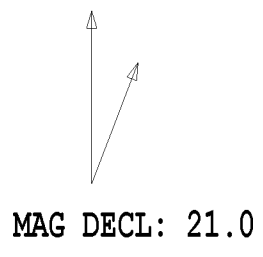
MATRIX DENSITY : 2.65 NEUTRON MATRIX : SANDSTONE MATRIX DELTA T : 140
 MAGNETIC DECL : 21 ELECT. CUTOFF : 77777 BIT SIZE : 11.43
 PRESENTATION NAME/DATE = 9139A1.0 09/24/2005

TOOL CALIBRATION RHTR 2005 - 23 09/24/05 15:13
 TOOL 9139A1 TM VERSION 1003
 SERIAL NUMBER 963

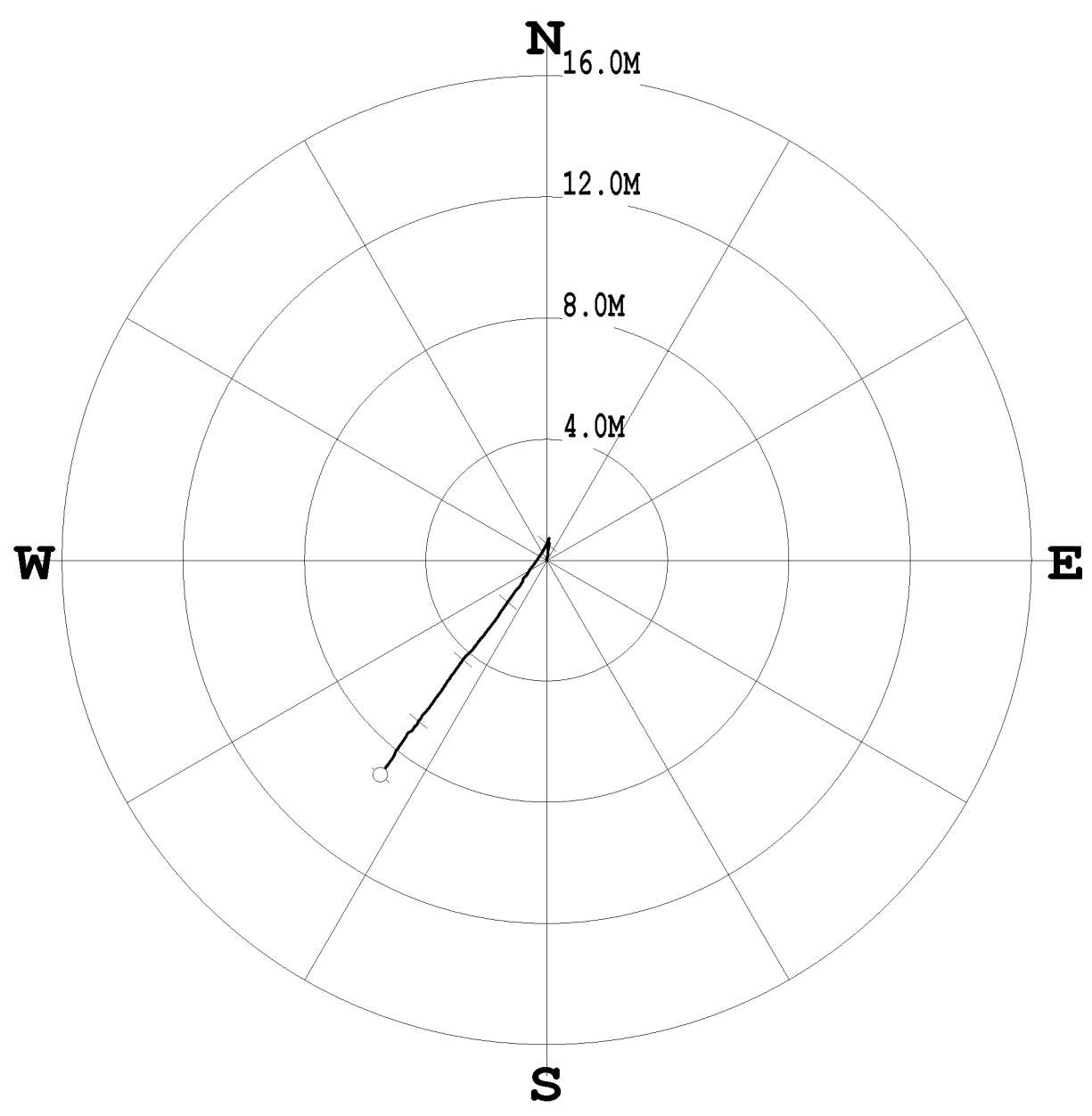
DATE	TIME	SENSOR	STANDARD	RESPONSE
1	Apr14,04 15:57:31	GAMMA	0.000 [API-GR]	6.00 [CPS]
1	Apr14,04 15:57:31	GAMMA	331.000 [API-GR]	488.00 [CPS]
2	Apr14,04 15:57:37	VOLTAGE	0.000 [MV]	5095.00 [CPS]
2	Apr14,04 17:20:00	CALIPER	7.850 [INCH]	90360.00 [CPS]
3	Apr14,04 17:20:00	CALIPER	3.850 [INCH]	52980.00 [CPS]
4	Sep21,05 01:32:59	DEN(LS)	1.106 [G/CC]	9853.00 [CPS]
4	Sep21,05 01:32:59	DEN(LS)	2.612 [G/CC]	591.00 [CPS]
5	Sep21,05 01:33:16	DEN(SS)	1.106 [G/CC]	15460.00 [CPS]
5	Sep21,05 01:33:16	DEN(SS)	2.612 [G/CC]	4947.00 [CPS]
6	Sep16,05 21:54:59	CALIPERL	7.620 [INCH]	48027.00 [CPS]
6	Sep16,05 21:54:59	CALIPERL	25.400 [INCH]	79526.00 [CPS]
7	Apr14,04 15:58:08	CURRENT	0.000 [UA]	4640.00 [CPS]
7	Apr14,04 15:58:08	CURRENT	249.000 [UA]	37608.00 [CPS]
8	Apr14,04 15:58:28	TEMP	170.000 [DEG F]	95500.00 [CPS]
8	Apr14,04 15:58:28	TEMP	68.000 [DEG F]	50541.00 [CPS]

PLAN VIEW COMPU-LOG DEVIATION

CLIENT: NORTHERN ENERGY MINING INC
LOCATION: ROMAN MTN
HOLE ID: RHTR 2005 - 23
DATE OF LOG: 09/24/05
PROBE: 9055A 80



SCALE: 2 M/CM
TRUE DEPTH: 24.22 M
AZIMUTH: 217.8
DISTANCE: 9.0 M
+ = 5 M INCR
○ = BOTTOM OF HOLE





**GAMMA - CALIPER - RESISTIVITY
DENSITY - LONG SPACE
RHTR 2005 - 23
ANGLED**

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COMPANY : NORTHERN ENERGY MINING INC
WELL : RHTR 2005 - 23 ANGLED
FIELD : ROMAN MTN
COUNTY : TUMBLER RIDGE
STATE : BRITISH COLUMBIA

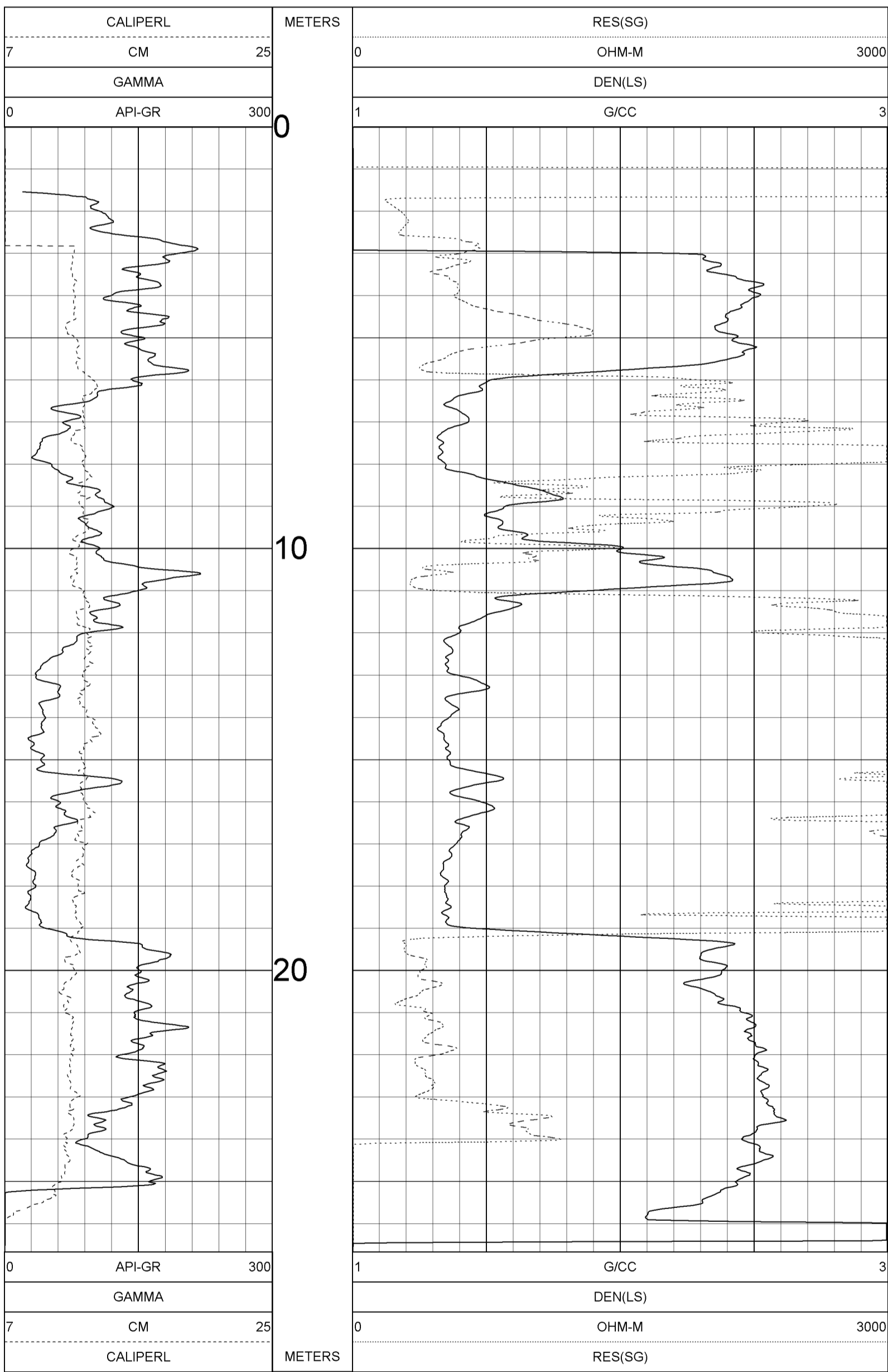
OTHER SERVICES:
9055
9139

LOCATION :
SECTION :
TOWNSHIP :
RANGE :
API NO. :
UNIQUE WELL ID. :
PERMANENT DATUM : GL
LOG MEASURED FROM: GL
DRL MEASURED FROM: GL
DATE : 09/24/05
DEPTH DRILLER : 27
BIT SIZE : 11.43
LOG TOP : 0.48
LOG BOTTOM : 26.63
CASING OD : 16.51
CASING BOTTOM : 3.05
CASING TYPE : SURFACE
BOREHOLE FLUID :
RM TEMPERATURE :
MUD RES :
MUD WEIGHT :
RECORDED BY : J. SINKWICH
REMARKS 1 : HOLE ANGLE: 65 DEGREES BEARING: 215 DEGREES
REMARKS 2 :
ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS

**LONG-SPACE DENSITY RHTR 2005 - 23 09/24/05
ANGLED**

LOG PARAMETERS

MATRIX DENSITY : 2.65 NEUTRON MATRIX : SANDSTONE MATRIX DELTA T : 140
MAGNETIC DECL : 21 ELECT. CUTOFF : 77777 BIT SIZE : 11.43
PRESENTATION NAME/DATE = 9139long space.0 09/24/2005



**LONG-SPACE DENSITY RHTR 2005 - 23 09/24/05
ANGLED**

LOG PARAMETERS

MATRIX DENSITY : 2.65 NEUTRON MATRIX : SANDSTONE MATRIX DELTA T : 140
MAGNETIC DECL : 21 ELECT. CUTOFF : 77777 BIT SIZE : 11.43
PRESENTATION NAME/DATE = 9139long space.0 09/24/2005

TOOL CALIBRATION RHTR 2005 - 23 09/24/05 15:13
TOOL 9139A1 TM VERSION 1003
SERIAL NUMBER 963

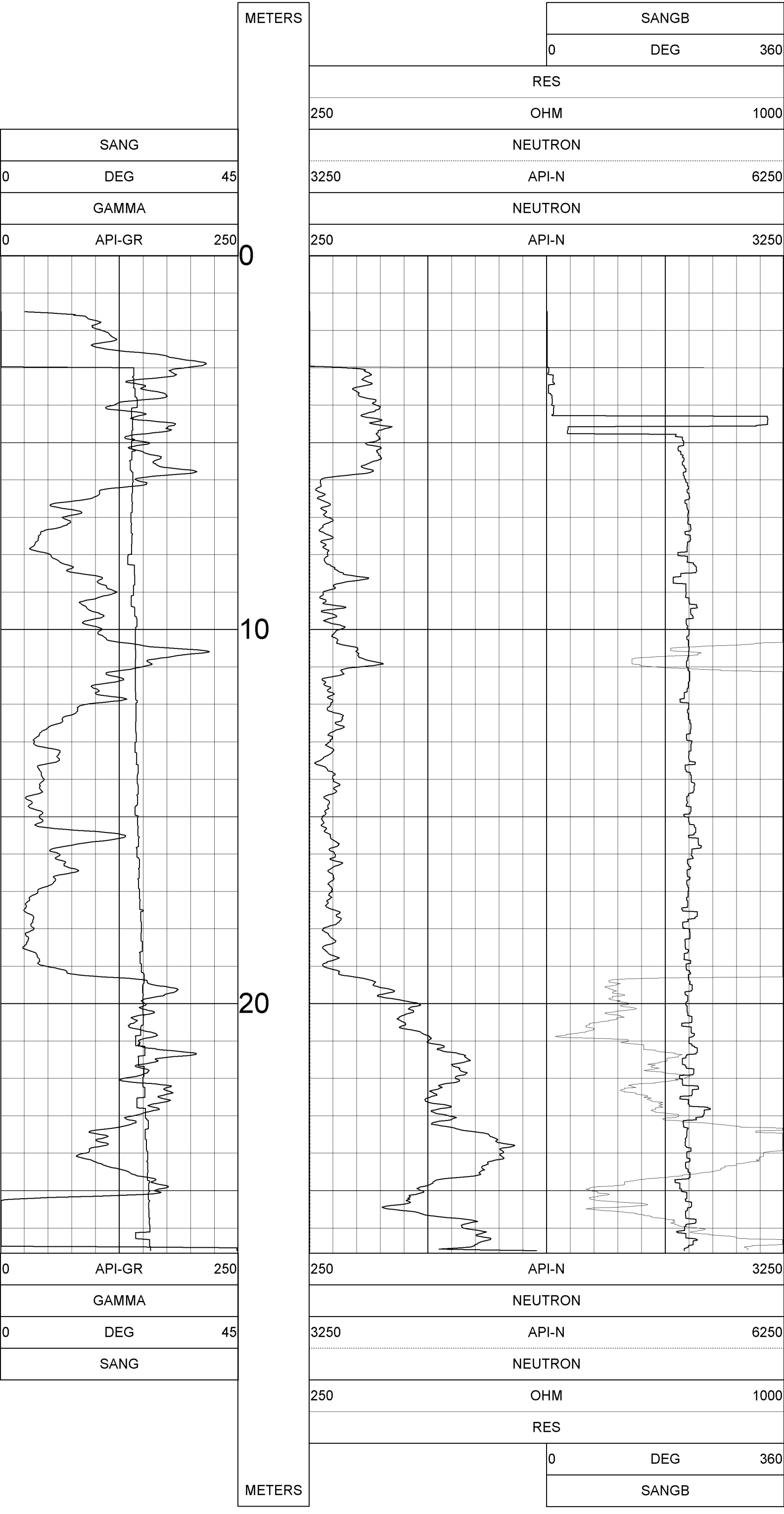
DATE	TIME	SENSOR	STANDARD	RESPONSE
1	Apr14,04 15:57:31	GAMMA	0.000 [API-GR]	6.00 [CPS]
	Apr14,04 15:57:31	GAMMA	331.000 [API-GR]	488.00 [CPS]
2	Apr14,04 15:57:37	VOLTAGE	0.000 [MV]	5095.00 [CPS]
	Apr14,04 15:57:37	VOLTAGE	1740.210 [MV]	142354.00 [CPS]
3	Apr14,04 17:20:00	CALIPER	7.850 [INCH]	4947.00 [CPS]
	Apr14,04 17:20:00	CALIPER	3.850 [INCH]	52980.00 [CPS]
4	Sep21,05 01:32:59	DEN(LS)	1.106 [G/CC]	9853.00 [CPS]
	Sep21,05 01:32:59	DEN(LS)	2.612 [G/CC]	591.00 [CPS]
5	Sep21,05 01:33:16	DEN(SS)	1.106 [G/CC]	15460.00 [CPS]
	Sep21,05 01:33:16	DEN(SS)	2.612 [G/CC]	4947.00 [CPS]
6	Sep16,05 21:54:59	CALIPERL	7.620 [INCH]	48027.00 [CPS]
	Sep16,05 21:54:59	CALIPERL	25.400 [INCH]	79526.00 [CPS]
7	Apr14,04 15:58:08	CURRENT	0.000 [UA]	4640.00 [CPS]
	Apr14,04 15:58:08	CURRENT	249.000 [UA]	37608.00 [CPS]
8	Apr14,04 15:58:28	TEMP	170.000 [DEG F]	95500.00 [CPS]
	Apr14,04 15:58:28	TEMP	68.000 [DEG F]	50541.00 [CPS]

COMPANY	: NORTHERN ENERGY MINING INC	OTHER SERVICES:
WELL	: RHTR 2005 - 23 ANGLED	9055
FIELD	: ROMAN MTN	9139
COUNTY	: TUMBLER RIDGE	
STATE	: BRITISH COLUMBIA	
LOCATION	:	
SECTION	:	
TOWNSHIP	:	
RANGE	:	
API NO.	:	
UNIQUE WELL ID.	:	
PERMANENT DATUM	: GL	ELEVATION KB:
LOG MEASURED FROM:	GL	ELEVATION DF:
DRL MEASURED FROM:	GL	ELEVATION GL:
DATE	: 09/24/05	
DEPTH DRILLER	: 27	
BIT SIZE	: 11.43	
LOG TOP	: 1.50	
LOG BOTTOM	: 26.63	
CASING OD	: 16.51	
CASING BOTTOM	: 3.05	
CASING TYPE	: SURFACE	
BOREHOLE FLUID	:	
RM TEMPERATURE	:	
MUD RES	:	
MUD WEIGHT	:	
RECORDED BY	: J. SINKWICH	
REMARKS 1	: HOLE ANGLE: 65 DEGREES BEARING: 215 DEGREES	
REMARKS 2	:	

GAMMA-RES-NEUTRON RHTR 2005 - 23 09/24/05
ANGLED

LOG PARAMETERS

MATRIX DENSITY : 2.65	NEUTRON MATRIX : SANDSTONE	MATRIX DELTA T : 140
MAGNETIC DECL : 21.000	ELECT. CUTOFF : 77777	BIT SIZE : 11.43
PRESENTATION NAME/DATE = 9055A.0 09/19/2005		



GAMMA-RES-NEUTRON RHTR 2005 - 23 09/24/05
ANGLED

LOG PARAMETERS

MATRIX DENSITY : 2.65	NEUTRON MATRIX : SANDSTONE	MATRIX DELTA T : 140
MAGNETIC DECL : 21.000	ELECT. CUTOFF : 77777	BIT SIZE : 11.43
PRESENTATION NAME/DATE = 9055A.0 09/19/2005		

TOOL CALIBRATION RHTR 2005 - 23 09/24/05 14:57
TOOL 9055A TM VERSION 3200
SERIAL NUMBER 80

DATE	TIME	SENSOR	STANDARD	RESPONSE
1 Jul27,04	08:52:42	GAMMA	15.000 [API-GR]	1.00 [CPS]
Jul27,04	07:52:42	GAMMA	250.000 [API-GR]	240.00 [CPS]
2 May24,99	13:14:46	POROSI	185.000 [CPS]	
3 May24,99	13:14:46	RES	Default [CPS]	Default [CPS]
May24,99	13:14:46	RES	Default [CPS]	Default [CPS]
4 May24,99	13:14:46	SP	Default [CPS]	Default [CPS]
May24,99	13:14:46	SP	Default [CPS]	Default [CPS]
5 May21,04	19:23:23	NEUTROI	Default [CPS]	Default [CPS]
May21,04	19:23:23	NEUTRC	271.000 [API-N]	185.00 [CPS]
6 Feb20,02	17:17:55	TEMP	51.000 [DEG F]	1104.00 [CPS]
Feb20,02	17:17:55	TEMP	95.000 [DEG F]	450.00 [CPS]
7 Mar16,04	16:34:31	CUR4	2135.000 [UA]	13950.00 [CPS]
Sep16,05	22:28:07	CALIPER	15.240 [INCH]	10955.00 [CPS]
8 Sep16,05	22:28:07	CALIPER	25.400 [INCH]	18410.00 [CPS]



**GAMMA - CALIPER - RESISTIVITY
DENSITY - SHORT SPACE
RHTR 2005 - 23
ANGLED**

century-geo.com

COMPANY : NORTHERN ENERGY MINING INC
WELL : RHTR 2005 - 23 ANGLED
FIELD : ROMAN MTN
COUNTY : TUMBLER RIDGE
STATE : BRITISH COLUMBIA

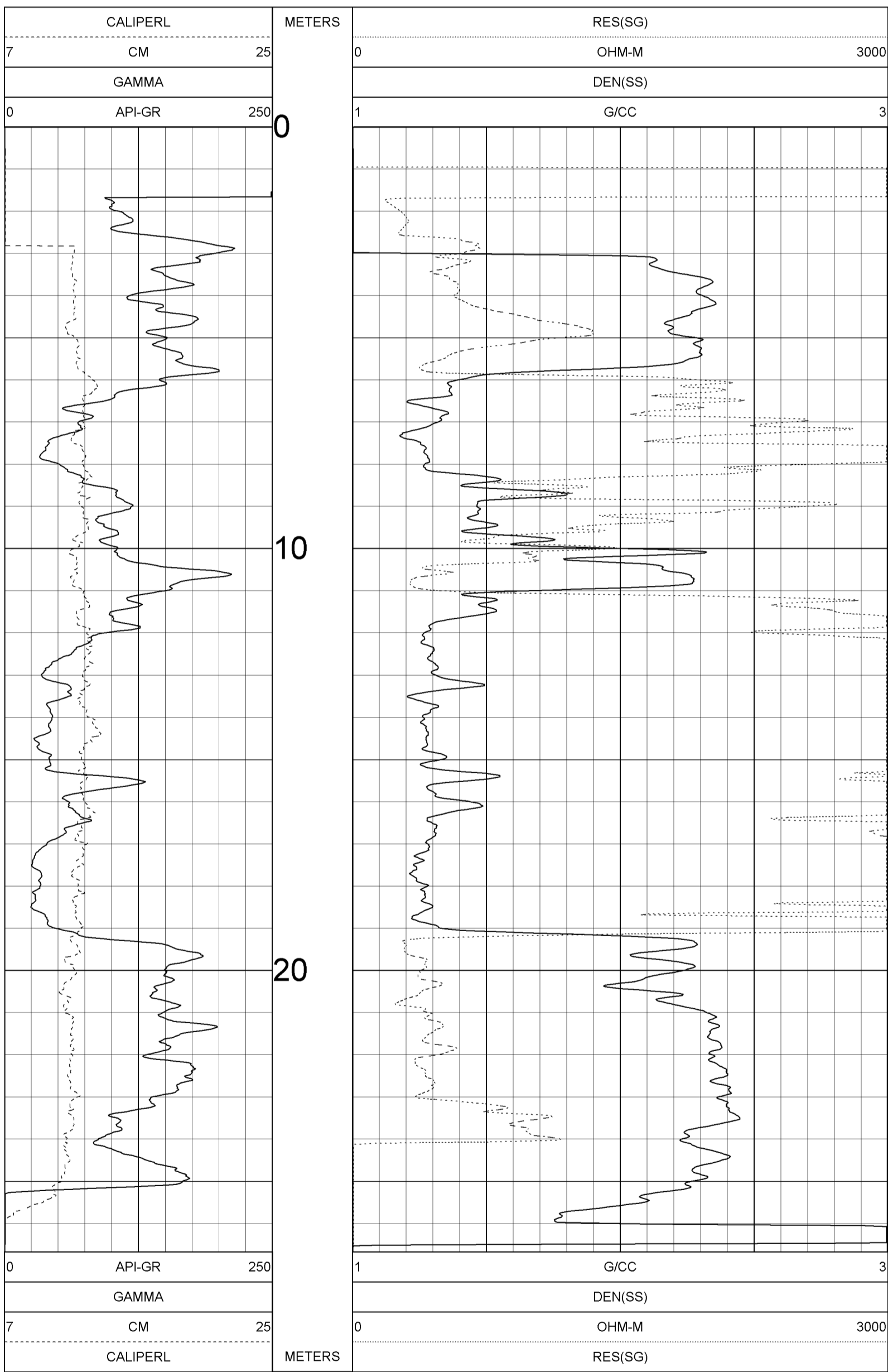
OTHER SERVICES:
9055
9139

LOCATION :
SECTION :
TOWNSHIP :
RANGE :
API NO. :
UNIQUE WELL ID. :
PERMANENT DATUM : GL
LOG MEASURED FROM: GL
DRL MEASURED FROM: GL
DATE : 09/24/05
DEPTH DRILLER : 27
BIT SIZE : 11.43
LOG TOP : 0.48
LOG BOTTOM : 26.63
CASING OD : 16.51
CASING BOTTOM : 3.05
CASING TYPE : SURFACE
BOREHOLE FLUID :
RM TEMPERATURE :
MUD RES :
MUD WEIGHT :
RECORDED BY : J. SINKWICH
REMARKS 1 : HOLE ANGLE: 65 DEGREES BEARING: 215 DEGREES
REMARKS 2 :
ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS

**SHORT-SPACE DENSITY RHTR 2005 - 23 09/24/05
ANGLED**

LOG PARAMETERS

MATRIX DENSITY : 2.65 NEUTRON MATRIX : SANDSTONE MATRIX DELTA T : 140
MAGNETIC DECL : 21 ELECT. CUTOFF : 77777 BIT SIZE : 11.43
PRESENTATION NAME/DATE = 9139short space.0 09/24/2005



**SHORT-SPACE DENSITY RHTR 2005 - 23 09/24/05
ANGLED**

LOG PARAMETERS

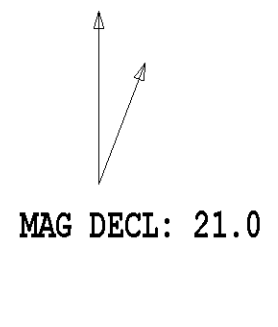
MATRIX DENSITY : 2.65 NEUTRON MATRIX : SANDSTONE MATRIX DELTA T : 140
MAGNETIC DECL : 21 ELECT. CUTOFF : 77777 BIT SIZE : 11.43
PRESENTATION NAME/DATE = 9139short space.0 09/24/2005

TOOL CALIBRATION RHTR 2005 - 23 09/24/05 15:13
TOOL 9139A1 TM VERSION 1003
SERIAL NUMBER 963

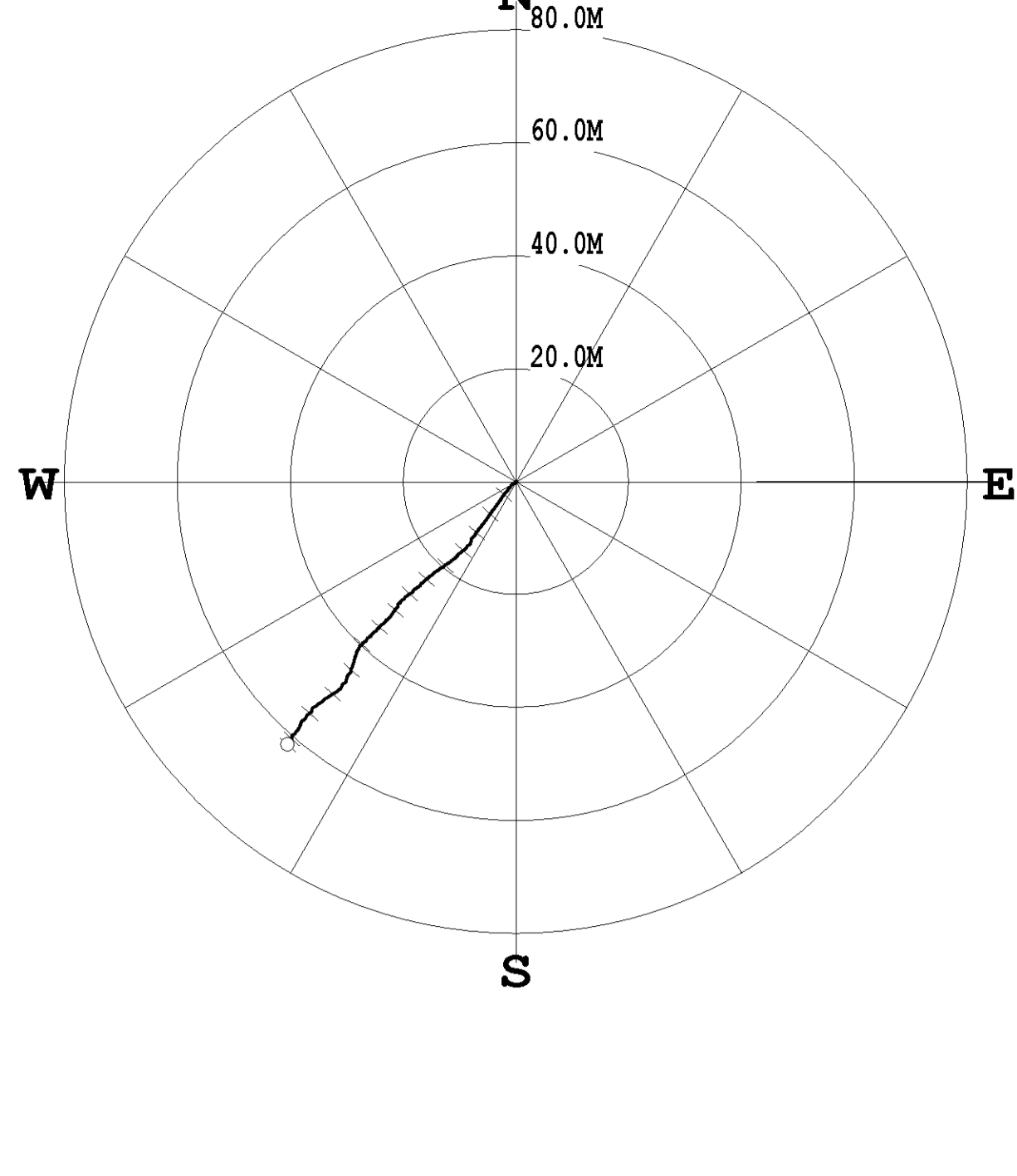
DATE	TIME	SENSOR	STANDARD	RESPONSE
1	Apr14,04 16:57:31	GAMMA	0.000 [API-GR]	6.00 [CPS]
	Apr14,04 15:57:31	GAMMA	331.000 [API-GR]	488.00 [CPS]
2	Apr14,04 15:57:37	VOLTAGE	0.000 [MV]	5095.00 [CPS]
	Apr14,04 15:57:37	VOLTAGE	1740.210 [MV]	142354.00 [CPS]
3	Apr14,04 17:20:00	CALIPER	7.850 [INCH]	90360.00 [CPS]
	Apr14,04 17:20:00	CALIPER	3.850 [INCH]	52980.00 [CPS]
4	Sep21,05 01:32:59	DEN(LS)	1.106 [G/CC]	9853.00 [CPS]
	Sep21,05 01:32:59	DEN(LS)	2.612 [G/CC]	591.00 [CPS]
5	Sep21,05 01:33:16	DEN(SS)	1.106 [G/CC]	15460.00 [CPS]
	Sep21,05 01:33:16	DEN(SS)	2.612 [G/CC]	4947.00 [CPS]
6	Sep16,05 21:54:59	CALIPERL	7.620 [INCH]	48027.00 [CPS]
	Sep16,05 21:54:59	CALIPERL	25.400 [INCH]	79526.00 [CPS]
7	Apr14,04 15:58:08	CURRENT	0.000 [UA]	4640.00 [CPS]
	Apr14,04 15:58:08	CURRENT	249.000 [UA]	37608.00 [CPS]
8	Apr14,04 15:58:28	TEMP	170.000 [DEG F]	95500.00 [CPS]
	Apr14,04 15:58:28	TEMP	68.000 [DEG F]	50541.00 [CPS]

PLAN VIEW COMPU-LOG DEVIATION

CLIENT: NORTHERN ENERGY MINING INC
LOCATION: ROMAN MTN
HOLE ID: RHTR 2005 - 24
DATE OF LOG: 10/01/05
PROBE: 9057A 1067



SCALE: 10 M/CM
TRUE DEPTH: 142.07 M
AZIMUTH: 221.0
DISTANCE: 61.6 M
+ = 10 M INCR
○ = BOTTOM OF HOLE

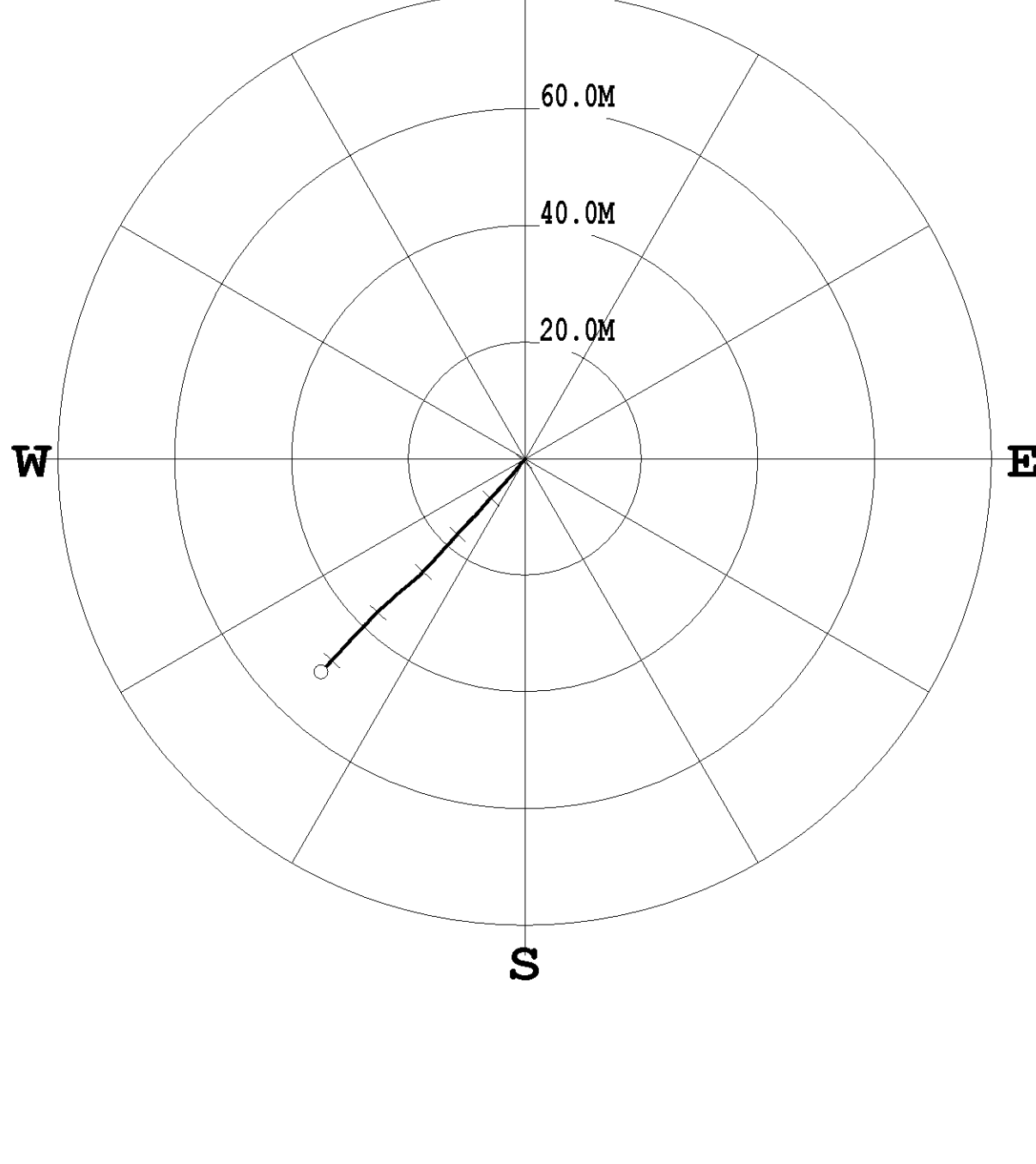


PLAN VIEW COMPU-LOG DEVIATION

CLIENT: NORTHERN ENERGY MINING INC
LOCATION: ROMAN MTN
HOLE ID: RHTR 2005 - 24
DATE OF LOG: 10/01/05
PROBE: 9410A 377

MAG DECL: 21.0

SCALE: 10 M/CM
TRUE DEPTH: 144.56 M
AZIMUTH: 223.7
DISTANCE: 50.5 M
+ = 20 M INCR
○ = BOTTOM OF HOLE



Century-geo.com

COMPANY: NORTHERN ENERGY MINING INC
 WELL: RHTR 2005-24
 MUNICIPALITY: ROMAN MTN
 TOWNSHIP: TUMBLER RIDGE
 LOCATION: BRITISH COLUMBIA

OTHER SERVICES: 9655
 9139
 9410

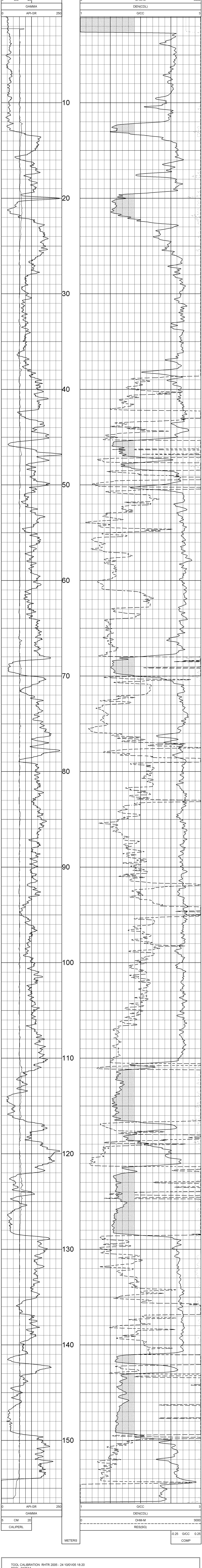
PERMANENT DATUM: G.L.
 LOG MEASURED FROM: G.L.
 DRL MEASURED FROM: G.L.

ELEVATION: 8.8
 ELEVATION D.F.:
 ELEVATION G.L.:

DATE: 10/01/05

RUN NO.: 2
 DEPTH DRILLER: 158.49
 BIT SIZE: 11.43
 LOG TOP: 0.98
 LOG BOTTOM: 196.53

CASING OD: 13.3
 CASING BOTTOM: 3
 CASING TYPE: WATER
 BOREHOLE FLUID: WATER
 RM TEMPERATURE: :
 MUD RES: :
 WITNESSED BY: :
 T. BOOS :
 RECORDED BY: :
 REMARKS 1: 80 DEGREE ANGLE
 REMARKS 2: :
 ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS



TOOL CALIBRATION RHTR 2005 - 24 10/01/05 18:20
 TOOL 9139A1
 SERIAL NUMBER 1240

DATE	TIME	SENSOR	STANDARD	RESPONSE
1	Jul13,05 14:11:07	GAMMA	0.000 [API-GR]	2.00 [CPS]
	Jul13,05 13:11:07	GAMMA	283.000 [API-GR]	294.00 [CPS]
2	Jul13,05 13:00:47	VOLTAGE	0.000 [MV]	4601.00 [CPS]
	Jul13,05 13:00:47	VOLTAGE	1999.000 [MV]	271516.00 [CPS]
3	Aug15,05 18:38:58	CALIPER	10.160 [INCH]	111254.00 [CPS]
	Aug15,05 18:38:58	CALIPER	15.240 [INCH]	342483.00 [CPS]
4	Aug15,05 16:46:42	DEN(LS)	1.106 [G/CC]	7465.00 [CPS]
	Aug15,05 16:46:42	DEN(LS)	2.400 [G/CC]	447.60 [CPS]
5	Aug15,05 16:47:11	DEN(SS)	1.106 [G/CC]	14217.00 [CPS]
	Aug15,05 16:47:11	DEN(SS)	2.400 [G/CC]	4549.44 [CPS]
6	Sep09,05 11:03:02	CALIPERL	15.250 [INCH]	150340.00 [CPS]
	Sep09,05 11:03:02	CALIPERL	25.400 [INCH]	346430.00 [CPS]
7	Jul13,05 13:02:39	CURRENT	0.000 [UA]	5387.00 [CPS]
	Jul13,05 13:02:39	CURRENT	286.390 [UA]	28883.00 [CPS]
8	Jul13,05 14:02:09	TEMP	37.000 [DEG F]	169525.00 [CPS]
	Jul13,05 14:02:09	TEMP	130.000 [DEG F]	438295.00 [CPS]

COMPANY: NORTHERN ENERGY MINING INC

WELL: RHTR 2005 - 24

FIELD: ROMAN MTR

MUNICIPALITY: TUMBLER RIDGE

PROVINCE: BRITISH COLUMBIA

LOCATION: SECTION: TOWNSHIP: RANGE: API NO: UNICUE WELL ID:

PERMANENT DATUM: GL

LOG MEASURED FROM: GL

DRL MEASURED FROM: GL

DATE: 10/07/05

RUN NO: 3

DEPTH DRILLER: 158.49

BIT SIZE: 11.43

LOG TOP: 38.02

LOG BOTTOM: 155.50

CASING OD: 13.3

CASING BOTTOM: 3

CASING TYPE: WATER

BOREHOLE FLUID: WATER

RMT TEMPERATURE: MUD RES

MUD RES: RCON

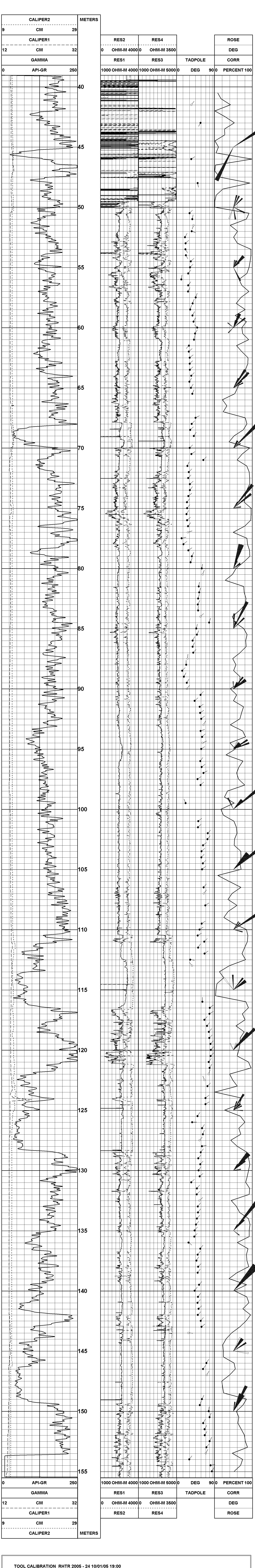
WITNESSED BY: T. BOOS

RECORDED BY: 80 DEGREE ANGLE

REMARKS 1

REMARKS 2

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS



TOOL CALIBRATION RHTR 2005 - 24 10/01/05 19:00
 TOOL 9410A
 SERIAL NUMBER 377

DATE	TIME	SENSOR	STANDARD	RESPONSE
1	Dec19,03 17:08:45	GAMMA	[API-GR]	5.00 [CPS]
	Dec19,03 16:08:45	GAMMA	275.000	140.00 [CPS]
2	Mar16,04 16:33:35	VOLTAGE	Default	Default [CPS]
	Mar16,04 16:33:35	VOLTAGE	341.000	1830.00 [CPS]
3	Mar16,04 16:33:49	CUR1	Default	Default [CPS]
	Mar16,04 16:33:49	CUR1	2135.000	18740.00 [CPS]
4	Mar16,04 16:34:03	CUR2	Default	Default [CPS]
	Mar16,04 16:34:03	CUR2	2135.000	19170.00 [CPS]
5	Mar16,04 16:34:18	CUR3	Default	Default [CPS]
	Mar16,04 16:34:18	CUR3	2135.000	17360.00 [CPS]
6	Mar16,04 16:34:31	CUR4	Default	Default [CPS]
	Mar16,04 16:34:31	CUR4	2135.000	13950.00 [CPS]
7	Mar16,04 17:09:48	CALIPER	15.240	10944.00 [CPS]
	Mar16,04 17:09:48	CALIPER	20.320	13890.00 [CPS]

COMPANY: NORTHERN ENERGY MINING INC
WELL: RHTR 2005-24
FIELD: ROMAN MTN
MUNICIPALITY: TUMBLER RIDGE
PROVINCE: BRITISH COLUMBIA

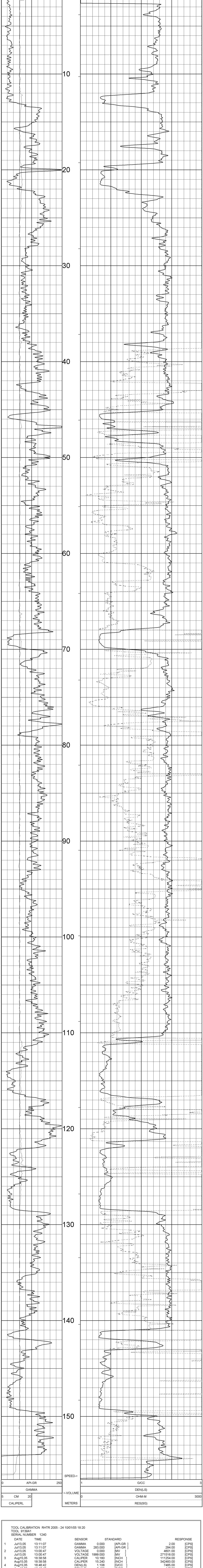
LOCATION:
SECTION:
TOWNSHIP:
RANGE:
APN NO.:

UNIQUE WELL ID:
PERMANENT DATUM: G.L.
LOG MEASURED FROM: G.L.
ELEVATION M8:
ELEVATION DF:
ELEVATION GL:

DATE: 10/01/05
RUN NO.: 2
DEPTH DRILLER: 158.49
BIT SIZE: 11.43
LOG TOP: 9.98
LOG BOTTOM: 198.53

CASING OD: 13.3
CASING BOTTOM: 3
CASING TYPE:
BOREHOLE FLUID: WATER
RM TEMPERATURE:
MUD RES:
WITNESSED BY: RON
RECORDED BY: T. BOOS
REMARKS 1:
REMARKS 2:

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS.



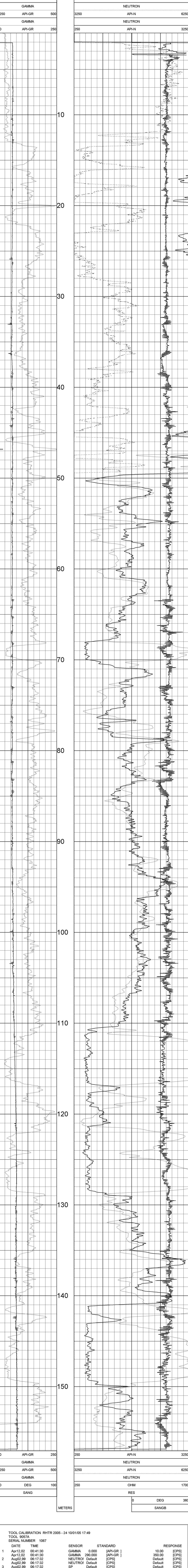
TOOL CALIBRATION RHTR 2005 - 24 10/01/05 18:20
TOOL 9139A1
SERIAL NUMBER 1240

DATE	TIME	SENSOR	STANDARD	RESPONSE
1 Jul13,05	13:11:07	GAMMA	0.000 [API-GR]	2.00 [CPS]
Jul13,05	13:11:07	GAMMA	283.000 [API-GR]	294.00 [CPS]
2 Jul13,05	13:00:47	VOLTAGE	0.000 [MV]	4601.00 [CPS]
Jul13,05	13:00:47	VOLTAGE	1999.000 [MV]	271516.00 [CPS]
3 Aug15,05	18:38:58	CALIPER	10.160 [INCH]	111254.00 [CPS]
Aug15,05	18:38:58	CALIPER	15.240 [INCH]	342483.00 [CPS]
4 Aug15,05	18:46:42	DEN(LS)	1.108 [G/CC]	7465.00 [CPS]
Aug15,05	18:46:42	DEN(LS)	2.400 [G/CC]	447.90 [CPS]
5 Aug15,05	16:47:11	DEN(SS)	1.106 [G/CC]	14217.00 [CPS]
Aug15,05	16:47:11	DEN(SS)	2.400 [G/CC]	4549.44 [CPS]
6 Sep09,05	11:03:02	CALIPER	15.250 [INCH]	150340.00 [CPS]
Sep09,05	11:03:02	CALIPER	25.400 [INCH]	346430.00 [CPS]
7 Jul13,05	13:02:39	CURRENT	0.000 [UA]	5387.00 [CPS]
Jul13,05	13:02:39	CURRENT	286.390 [UA]	28883.00 [CPS]
8 Jul13,05	14:02:09	TEMP	37.000 [DEG F]	169525.00 [CPS]
Jul13,05	14:02:09	TEMP	130.000 [DEG F]	438295.00 [CPS]

COMPANY	NORTHERN ENERGY MINING INC	OTHER SERVICES:	
WELL	RHTR 2005 - 24	9055	
FIELD	ROMAN MTH	9139	
MUNICIPALITY	TUMBLER RIDGE	9410	
PROVINCE	BRITISH COLUMBIA		

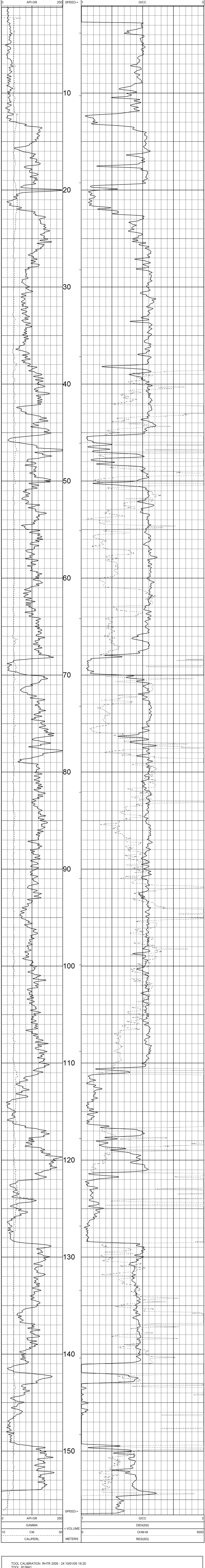
LOCATION			
SECTION			
TOWNSHIP			
RANGE			
API NO.			
UNIQUE WELL ID			
PERMANENT DATUM	SL	ELEVATION 68:	
LOG MEASURED FROM SL		ELEVATION OF:	
DPL MEASURED FROM SL		ELEVATION SL:	

DATE	10/01/05
RUN NO.	1
DEPTH DRILLER	:158.49
BIT SIZE	:11.43
LOG TOP	0.88
LOG BOTTOM	157.03
CASING OD	:13.3
CASING BOTTOM	3
CASING TYPE	WATER
BOREHOLE FLUID	
RM TEMPERATURE	
MUD RES	
WITNESSED BY	T. BOOS
RECORDED BY	
REMARKS 1	80 DEGREE ANGLE
REMARKS 2	
REMARKS 3	



TOOL CALIBRATION RHTR 2005 - 24 10/01/05 17:49
TOOL 9057A
SERIAL NUMBER 1067

DATE	TIME	SENSOR	STANDARD	RESPONSE	RESPONSE
1	Apr12,02 00:41:30	GAMMA	0.000 [API-GR]	10.00	[CPS]
2	Apr12,02 00:41:30	GAMMA	290.000 [API-GR]	350.00	[CPS]
3	Aug02,99 06:17:32	NEUTRON	Default [CPS]	Default	[CPS]
4	Aug02,99 06:17:32	NEUTRON	Default [CPS]	Default	[CPS]
5	Aug02,99 06:17:32	SP	Default [CPS]	Default	[CPS]
6	Aug02,99 06:17:32	RES (16N)	Default [CPS]	Default	[CPS]
7	Feb22,02 21:30:07	RES (16N)	Default [CPS]	Default	[CPS]
8	Aug02,99 06:17:32	RES (64N)	Default [CPS]	Default	[CPS]
9	Aug02,99 06:17:32	RES (64N)	Default [CPS]	Default	[CPS]
10	Mar08,02 15:30:38	TEMP	Default [CPS]	Default	[CPS]
11	Mar08,02 15:30:38	TEMP	Default [CPS]	Default	[CPS]
12	Aug02,99 06:17:32	RES	Default [CPS]	Default	[CPS]
13	Aug02,99 06:17:32	RES	Default [CPS]	Default	[CPS]



TOOL CALIBRATION RHTR 2005 - 24 10/01/05 18:20
TOOL 9139A1
SERIAL NUMBER 1240

DATE	TIME	SENSOR	STANDARD	RESPONSE
1	Jul13,05 13:11:07	GAMMA	0.000 [API-GR]	2.00 [CPS]
1	Jul13,05 13:11:07	GAMMA	283.000 [API-GR]	294.00 [CPS]
2	Jul13,05 13:00:47	VOLTAGE	0.000 [MV]	4601.00 [CPS]
2	Jul13,05 13:00:47	VOLTAGE	1999.000 [MV]	271516.00 [CPS]
3	Aug15,05 18:38:58	CALIPER	10.160 [INCH]	111254.00 [CPS]
3	Aug15,05 18:38:58	CALIPER	15.240 [INCH]	342483.00 [CPS]
4	Aug15,05 16:46:42	DEN(LS)	1.108 [G/CC]	7465.00 [CPS]
4	Aug15,05 16:46:42	DEN(LS)	2.400 [G/CC]	447.90 [CPS]
5	Aug15,05 16:47:11	DEN(SS)	1.106 [G/CC]	14217.00 [CPS]
5	Aug15,05 16:47:11	DEN(SS)	2.400 [G/CC]	4549.44 [CPS]
6	Sep09,05 11:03:02	CALIPER	15.250 [INCH]	150340.00 [CPS]
6	Sep09,05 11:03:02	CALIPER	25.400 [INCH]	346430.00 [CPS]
7	Jul13,05 13:02:39	CURRENT	0.000 [UA]	5387.00 [CPS]
7	Jul13,05 13:02:39	CURRENT	286.390 [UA]	28883.00 [CPS]
8	Jul13,05 14:02:09	TEMP	37.000 [DEG F]	169525.00 [CPS]
8	Jul13,05 14:02:09	TEMP	130.000 [DEG F]	438295.00 [CPS]

Appendix E

Cuttings Samples

APPENDIX E - Cuttings Samples

p1

Assay Number	Drillhole	Seam	Sample Interval (m)	Length (m)	Sample Type	Comment	Ash %	FSI
18550	RHTR2005-1	E	5.18-6.10	0.92	Cuttings		16.45	0.5
18551	RHTR2005-1	E	6.10-7.16	1.16	Cuttings		45.41	0.5
18574	RHTR2005-1	E	7.93-8.84	0.91	Cuttings		38.21	1
18552	RHTR2005-1	F	28.66-29.57	0.91	Cuttings		19.71	6
18553	RHTR2005-1	F	29.57-30.49	0.92	Cuttings		15.00	7.5
18554	RHTR2005-1	CZ	80.79-81.71	0.92	Cuttings		39.77	4.5
18561	RHTR2005-1	G	85.06-85.97	0.91	Cuttings		14.42	4
18560	RHTR2005-1	G	85.97-87.04	1.07	Cuttings		23.19	1.5
18559	RHTR2005-1	G	87.04-88.11	1.07	Cuttings		17.98	3
18558	RHTR2005-1	G	88.11-89.18	1.07	Cuttings		7.49	7
18557	RHTR2005-1	G	89.18-90.24	1.06	Cuttings		9.29	6.5
18556	RHTR2005-1	I	91.16-92.23	1.07	Cuttings		44.05	2.5
18562	RHTR2005-1	J	94.82-95.88	1.06	Cuttings		23.91	1.5
18563	RHTR2005-1	J	95.88-96.95	1.07	Cuttings		16.58	2
18564	RHTR2005-1	J	96.95-98.02	1.07	Cuttings		15.93	4
18565	RHTR2005-1	J	98.02-99.08	1.06	Cuttings		6.66	7.5
18566	RHTR2005-1	J	99.08-100.00	0.92	Cuttings		45.54	1
18571	RHTR2005-2	D1	35.67-36.59	0.92	Cuttings		12.38	1.5
18572	RHTR2005-2	D1	36.59-37.50	0.91	Cuttings		62.42	0
18573	RHTR2005-2	CZ	42.38-43.30	0.92	Cuttings		38.31	4.5
18568	RHTR2005-2	D2	47.86-48.78	0.92	Cuttings		19.03	5
18567	RHTR2005-2	D2	48.78-49.70	0.92	Cuttings		9.30	4
18570	RHTR2005-2	D2	49.70-50.61	0.91	Cuttings		18.91	4
18569	RHTR2005-2	D2	50.61-51.52	0.91	Cuttings		45.62	3
18539	RHTR2005-3	D1	3.05-3.96	0.91	Cuttings		58.46	0
18540	RHTR2005-3	D1	3.96-4.27	0.31	Cuttings		80.26	0
18541	RHTR2005-3	D2	8.84-9.76	0.92	Cuttings		20.27	4.5
18542	RHTR2005-3	D2	9.76-10.67	0.91	Cuttings		16.83	5.5
18543	RHTR2005-3	D2	10.67-11.59	0.92	Cuttings		19.36	5.5
18544	RHTR2005-3	D2	11.59-12.20	0.91	Cuttings		48.53	1
18545	RHTR2005-3	E	41.77-42.68	0.91	Cuttings		8.93	4
18546	RHTR2005-3	E	42.68-43.60	0.92	Cuttings		26.75	6
18547	RHTR2005-3	E	43.60-44.51	0.91	Cuttings		59.94	0.5
18548	RHTR2005-3	E	44.51-45.43	0.92	Cuttings		54.33	1
18549	RHTR2005-3	E	45.43-46.34	0.91	Cuttings		63.44	0.5
18532	RHTR2005-4	G	8.54-9.45	0.91	Cuttings		15.58	0.5
18531	RHTR2005-4	G	9.45-10.37	0.92	Cuttings		17.58	0.5
18530	RHTR2005-4	G	10.37-11.28	0.91	Cuttings		18.22	2.5
18529	RHTR2005-4	G	11.28-12.20	0.92	Cuttings		17.63	1
18528	RHTR2005-4	G	12.20-13.11	0.91	Cuttings		20.43	5
18527	RHTR2005-4	G	13.11-14.02	0.91	Cuttings		8.65	7.5
18526	RHTR2005-4	G	14.02-14.94	0.92	Cuttings		31.95	5
18538	RHTR2005-4	J	17.38-18.29	0.91	Cuttings		28.71	0.5
18537	RHTR2005-4	J	18.29-19.21	0.92	Cuttings		25.92	2
18536	RHTR2005-4	J	19.21-20.12	0.91	Cuttings		24.15	2.5
18535	RHTR2005-4	J	20.12-21.04	0.92	Cuttings		18.09	2.5
18534	RHTR2005-4	J	21.04-21.95	0.91	Cuttings		10.37	5
18533	RHTR2005-4	J	21.95-22.87	0.92	Cuttings		25.67	1.5

18581	RHTR2005-5	D2	9.15-10.06	0.91	Cuttings		17.63	1
18582	RHTR2005-5	D2	10.06-10.98	0.92	Cuttings		13.36	1
18583	RHTR2005-5	D2	10.98-11.89	0.91	Cuttings		10.84	0.5
18584	RHTR2005-5	D2	11.89-12.80	0.91	Cuttings		10.06	2.5
18585	RHTR2005-5	D2	12.80-13.72	0.92	Cuttings		36.19	2
18586	RHTR2005-5	D2	13.72-14.33	0.61	Cuttings		68.54	0
18579	RHTR2005-5	E	38.40-39.32	0.92	Cuttings		31.78	4
18580	RHTR2005-5	E	39.62-40.53	0.91	Cuttings		50.61	1
	RHTR2005-6				Not sampled			
18575	RHTR2005-7	D1	9.15-10.06	0.91	Cuttings		18.92	0.5
18578	RHTR2005-7	D2	15.49-16.46	0.97	Cuttings		25.68	2
18577	RHTR2005-7	D2	16.46-17.38	0.92	Cuttings		9.48	3.5
18576	RHTR2005-7	D2	17.38-18.29	0.91	Cuttings		34.68	3.5
18587	RHTR2005-8	G	26.52-27.44	0.92	Cuttings		15.94	5
18588	RHTR2005-8	G	27.44-28.35	0.91	Cuttings		18.57	2
18589	RHTR2005-8	G	28.35-28.65	0.30	Cuttings	29.27.	26.00	5
18590	RHTR2005-8	G/I	28.96-29.88	0.92	Cuttings		54.09	2.5
18591	RHTR2005-8	J	36.59-37.50	0.91	Cuttings		35.68	2
18592	RHTR2005-8	J	37.50-38.41	0.91	Cuttings		15.83	3.5
18593	RHTR2005-8	J	38.41-39.32	0.91	Cuttings		26.40	1.5
18594	RHTR2005-8	J	39.32-40.24	0.92	Cuttings		20.29	2.5
18595	RHTR2005-8	J	40.24-41.16	0.92	Cuttings		21.66	0.5
18596	RHTR2005-8	J	41.16-42.07	0.91	Cuttings		20.89	4.5
	RHTR2005-9				Not sampled			
	RHTR2005-10				Not sampled			
18597	RHTR2005-11	G	10.97-11.88	0.92	Oxidation	Corrected from field notes.	44.57	2.0
18598	RHTR2005-11	G	11.88-12.80	0.92	Cuttings		33.39	0.5
18599	RHTR2005-11	G	12.80-13.72	0.91	Cuttings		29.47	3.5
18600	RHTR2005-11	G	13.72-14.63	0.91	Cuttings		43.48	3.5
18611	RHTR2005-11	J	17.68-18.59	0.91	Cuttings		31.44	1
18612	RHTR2005-11	J	18.59-19.20	0.61	Cuttings		27.01	1
18613	RHTR2005-11	J	19.20-20.12	0.92	Cuttings		19.26	2.5
18614	RHTR2005-11	J	20.12-21.03	0.91	Cuttings		8.15	4.5
18615	RHTR2005-11	J	21.03-21.95	0.92	Cuttings		8.56	6.5
18616	RHTR2005-11	J	21.95-22.86	0.91	Cuttings		13.89	5
18617	RHTR2005-12	F	27.43-28.35	0.92	Cuttings		33.37	3.5
18618	RHTR2005-12	F	28.35-28.96	0.61	Cuttings		55.67	2.5
18601	RHTR2005-13C	D2	57.14-57.24	0.10	Core	10cm Roof		
18602	RHTR2005-13C	D2	57.24-57.83	0.59	Core	coal		
18603	RHTR2005-13C	D2	57.83-58.01	0.18	Core	parting		
18604	RHTR2005-13C	D2	58.01-59.37	1.36	Core	coal		
18605	RHTR2005-13C	D2	59.37-60.67	1.30	Core	coal		
No sample	RHTR2005-13C	D2	60.67-62.85			coal loss		
18606	RHTR2005-13C	D2	62.85-63.16	0.31	Core	coal		
No sample	RHTR2005-13C	D2	63.16-63.87			coal loss		
18607	RHTR2005-13C	D2	63.87-64.05	0.18	Core	coal		
18608	RHTR2005-13C	D2	64.05-64.96	0.91	Core	parting		
18609	RHTR2005-13C	D2	64.96-65.27	0.31	Core	coal		
18610	RHTR2005-13C	D2	65.27-65.37	0.10	Core	10cm Floor		

RHTR2005-14 through 24

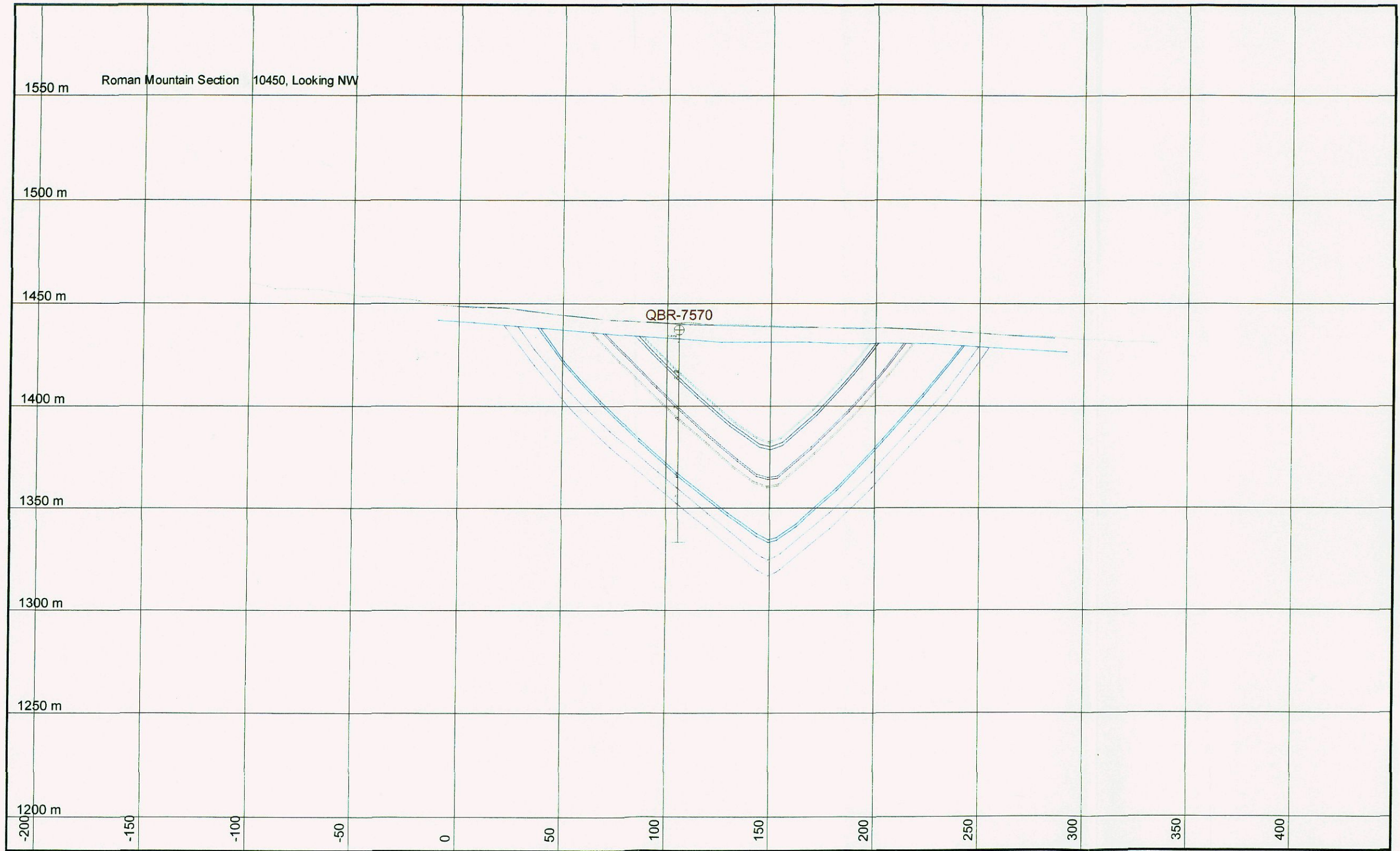
Not sampled

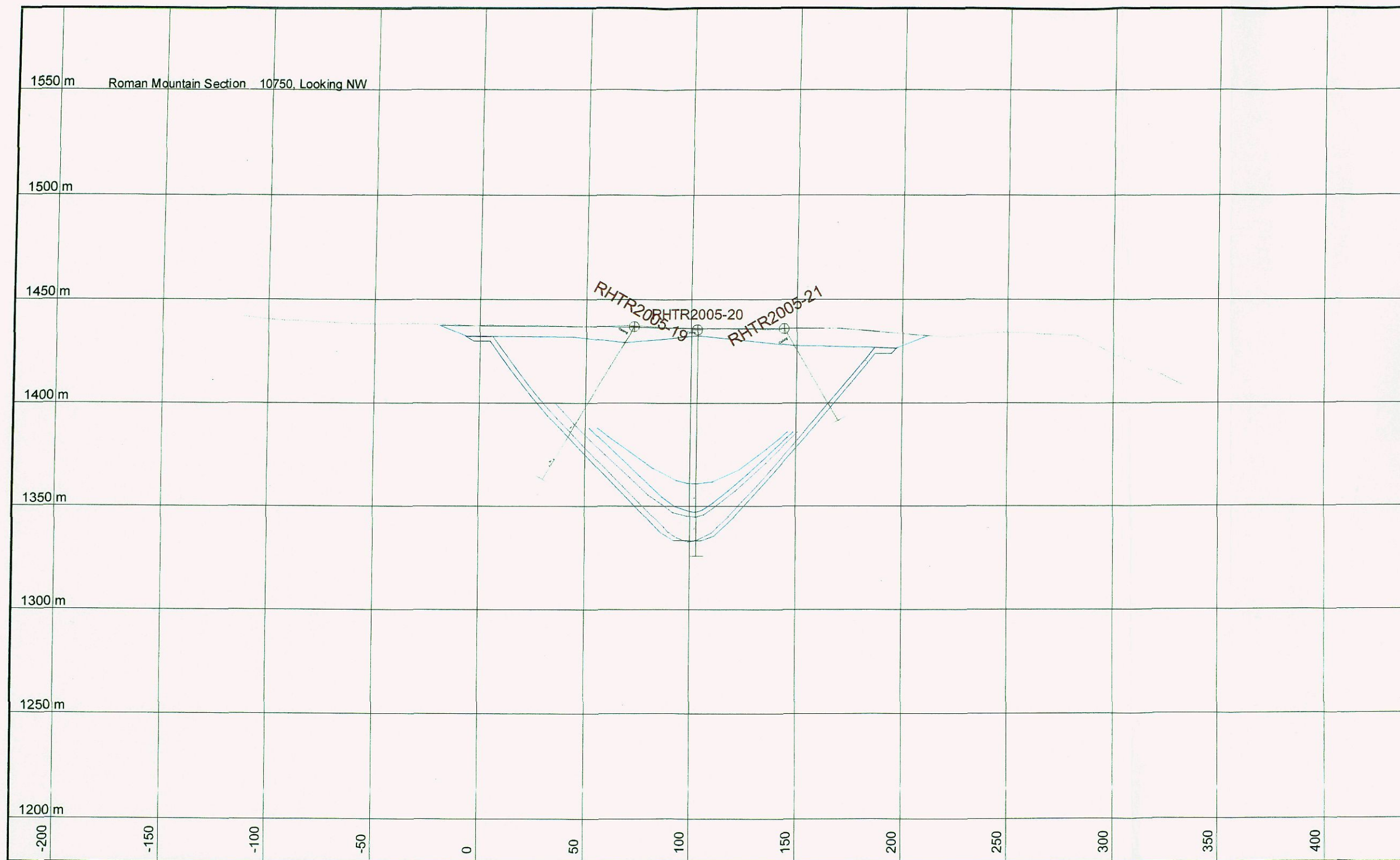
Appendix F

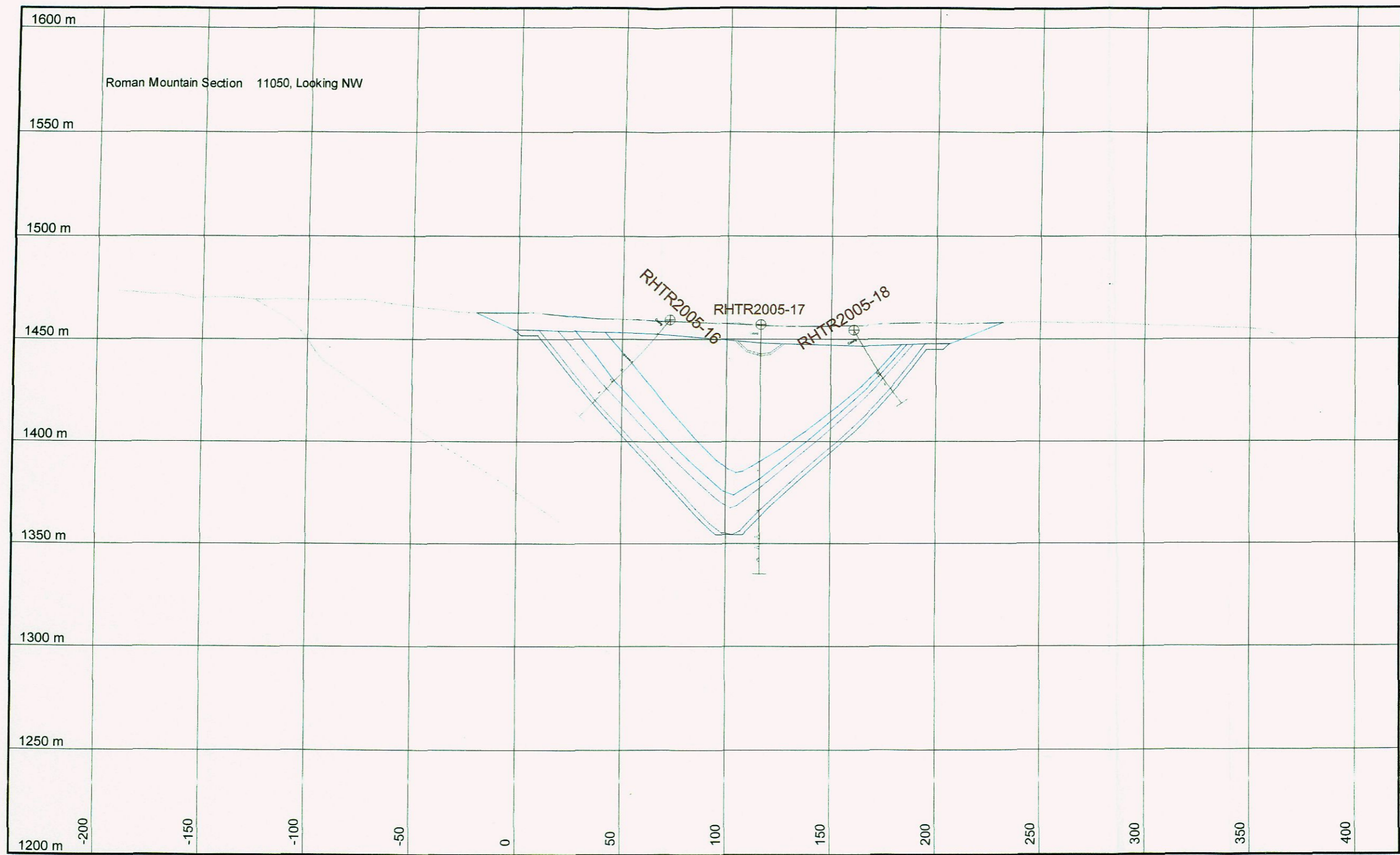
Composite Samples

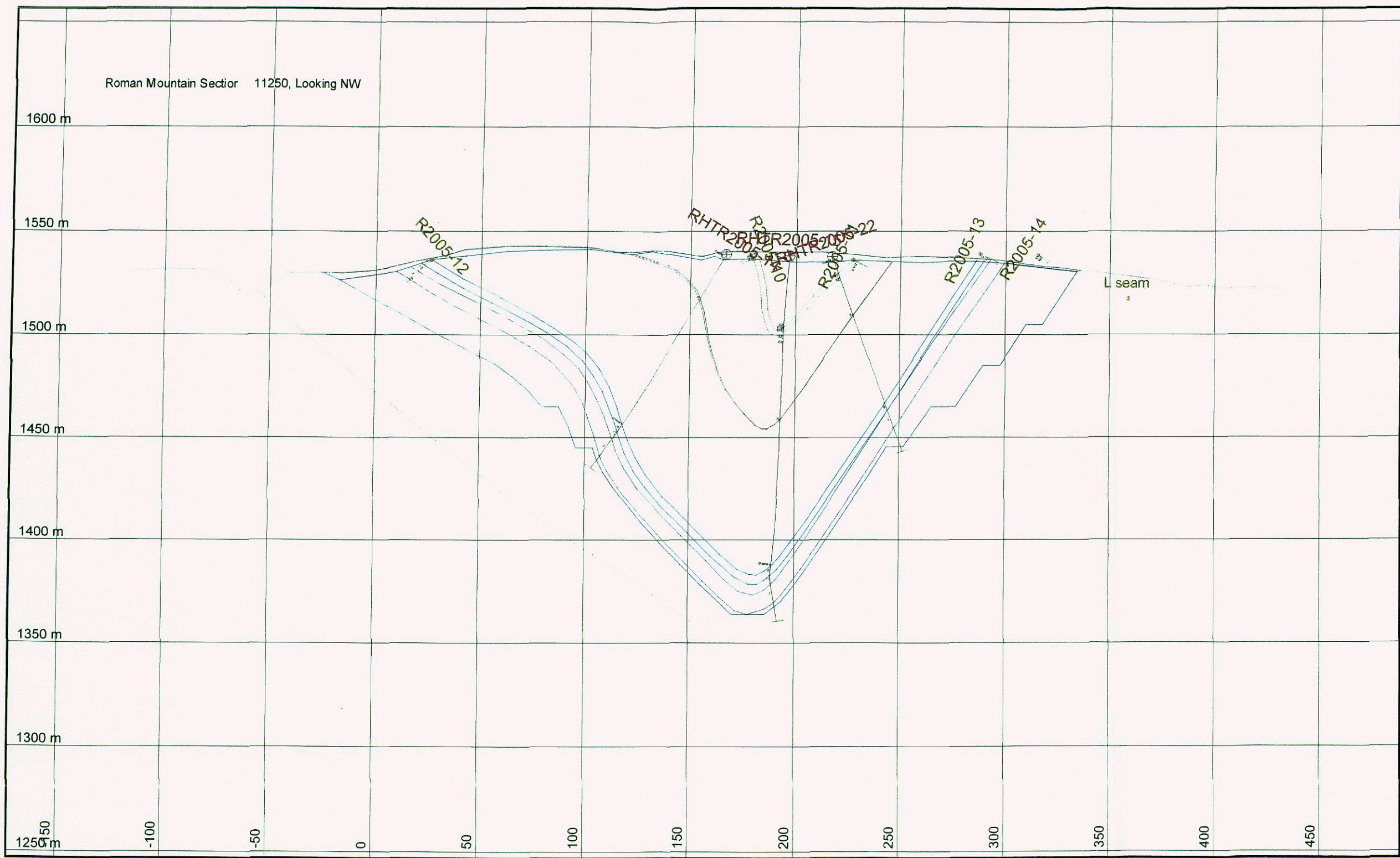
Appendix I

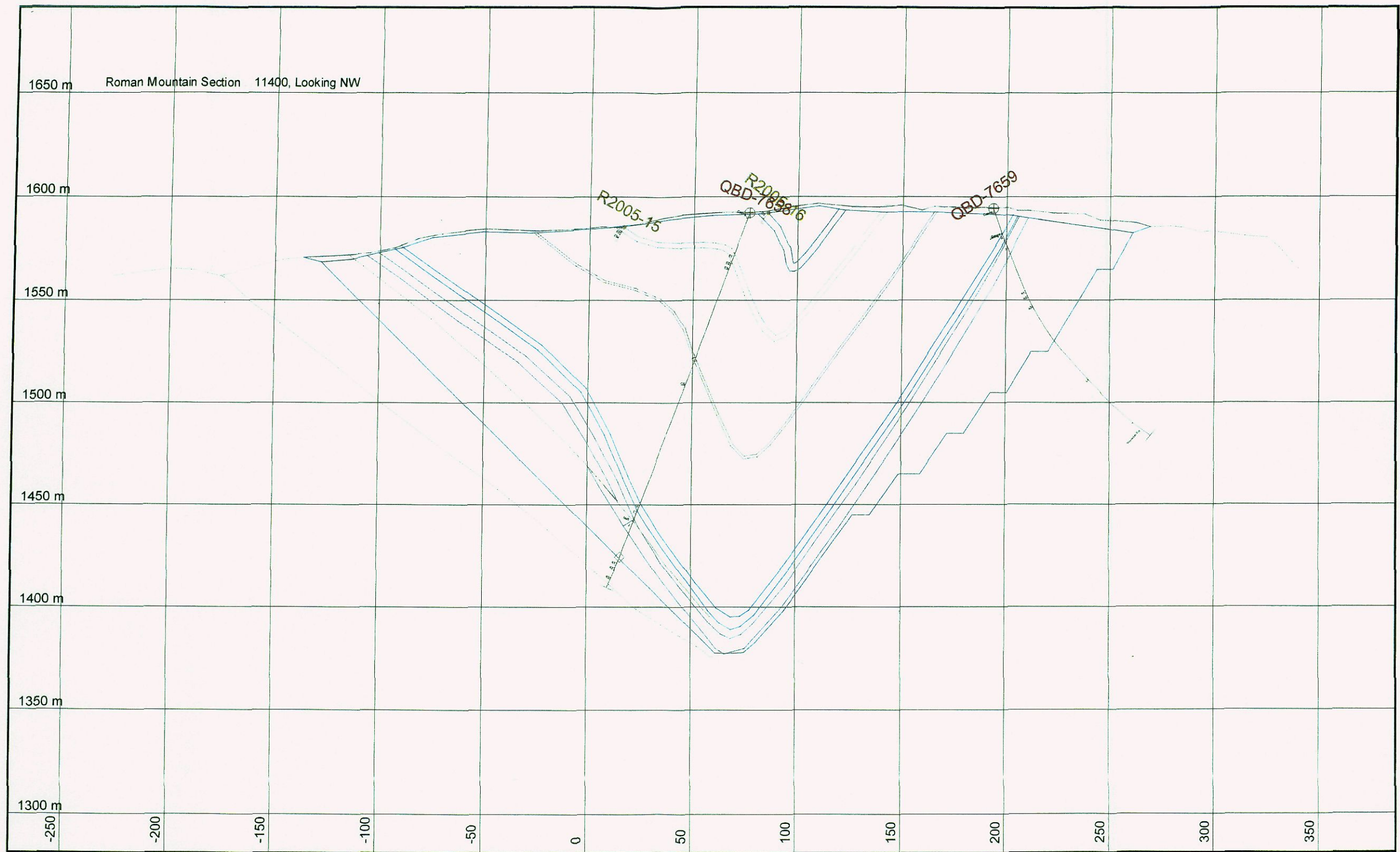
Roman Mountain Sections

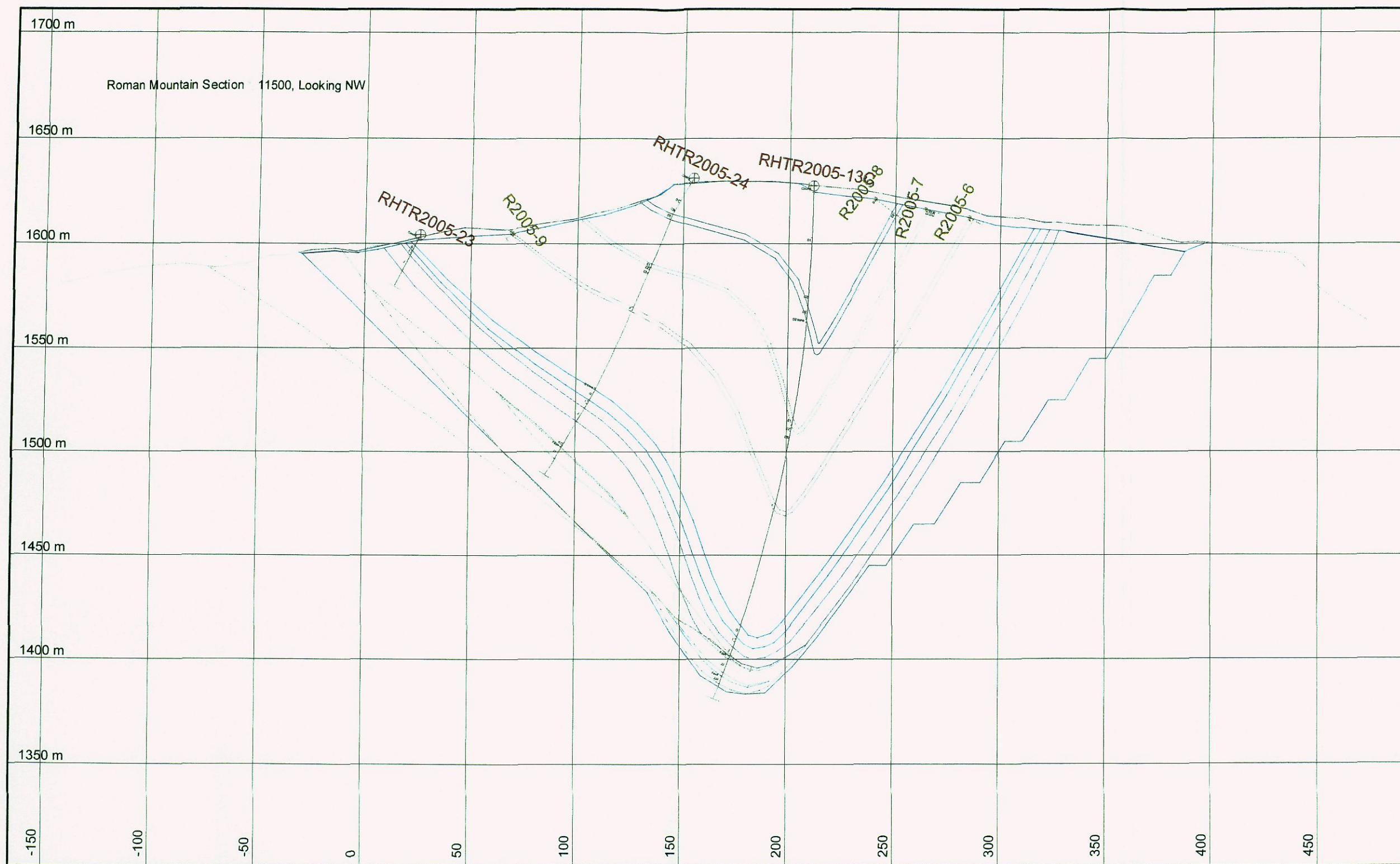


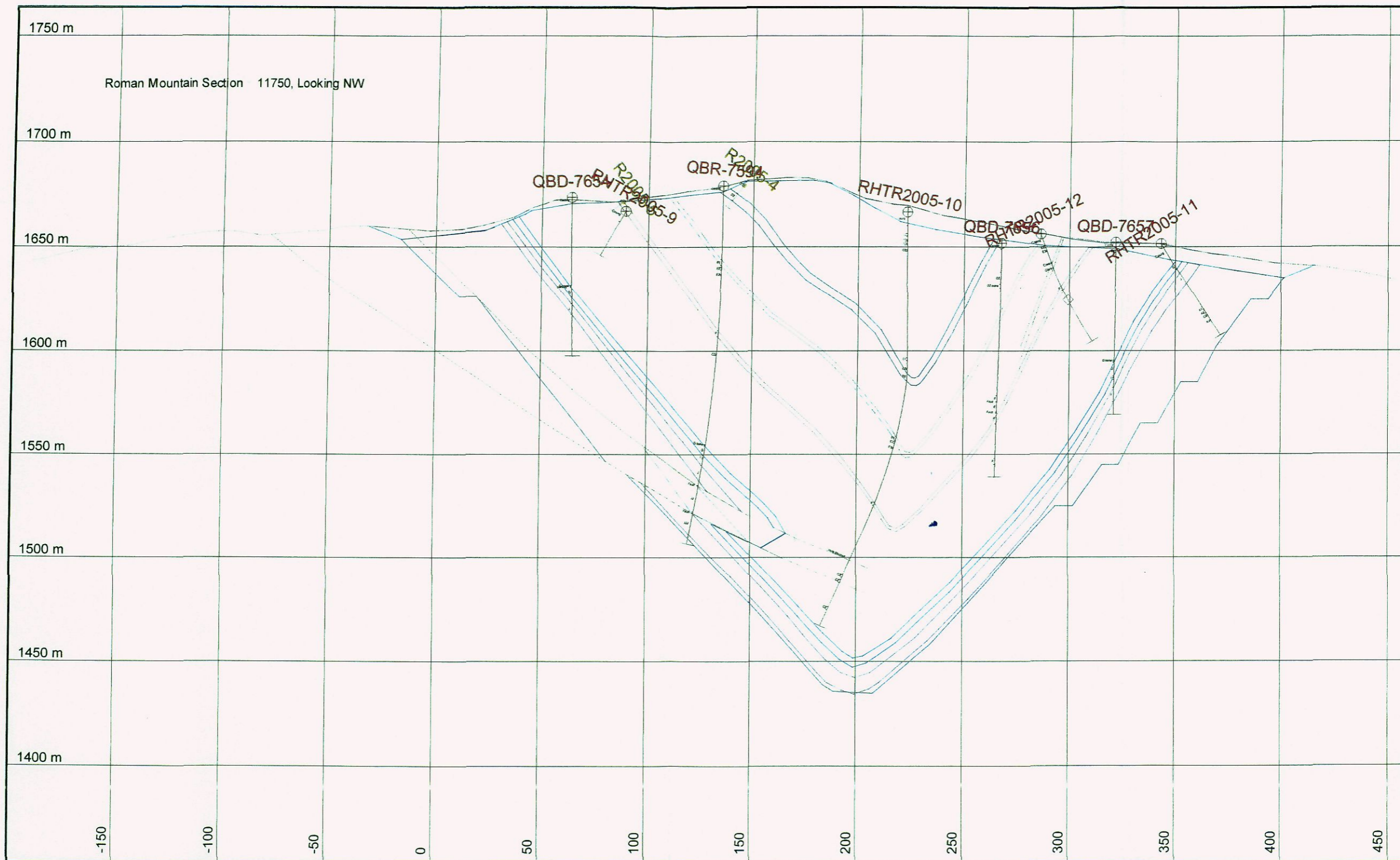


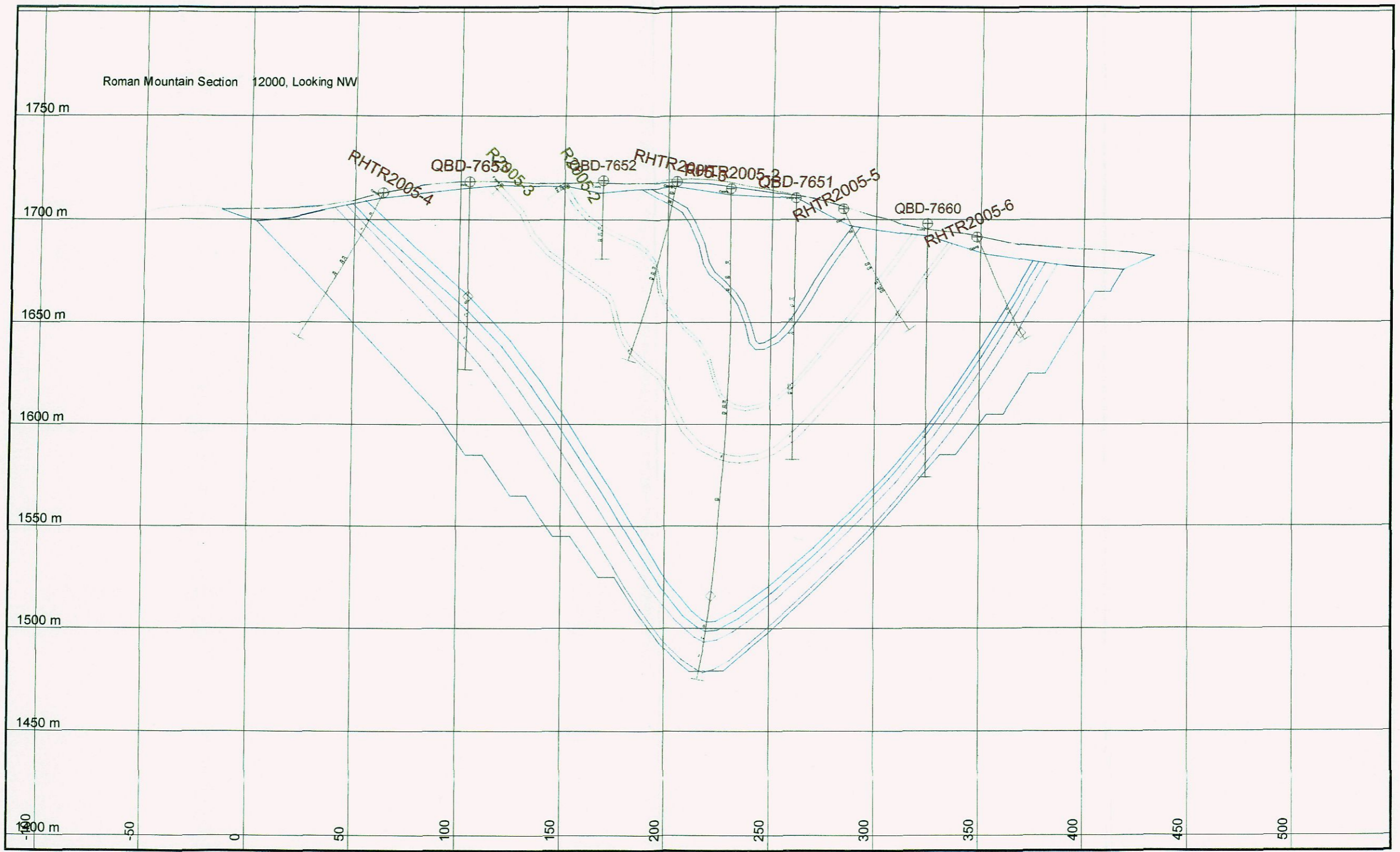


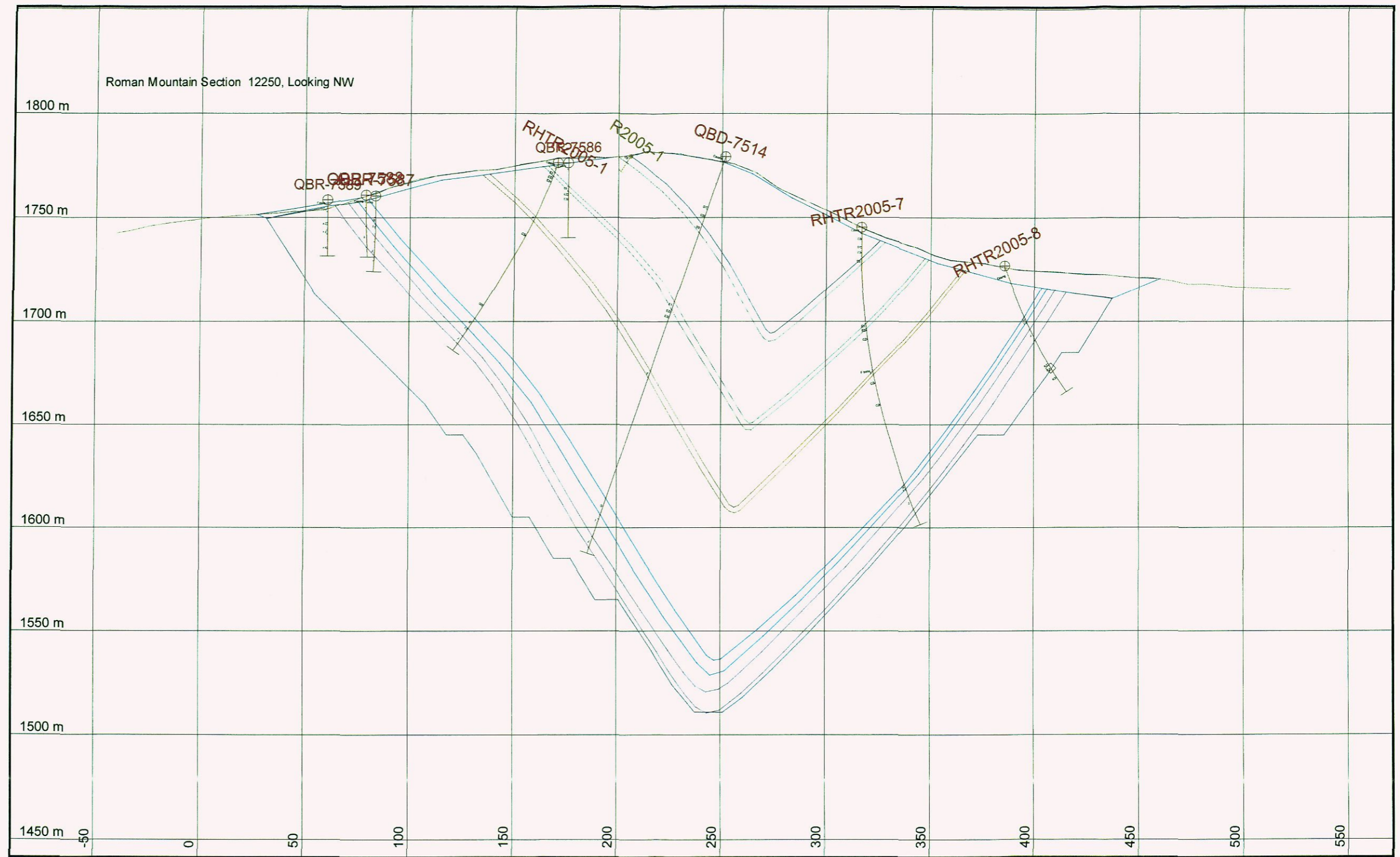


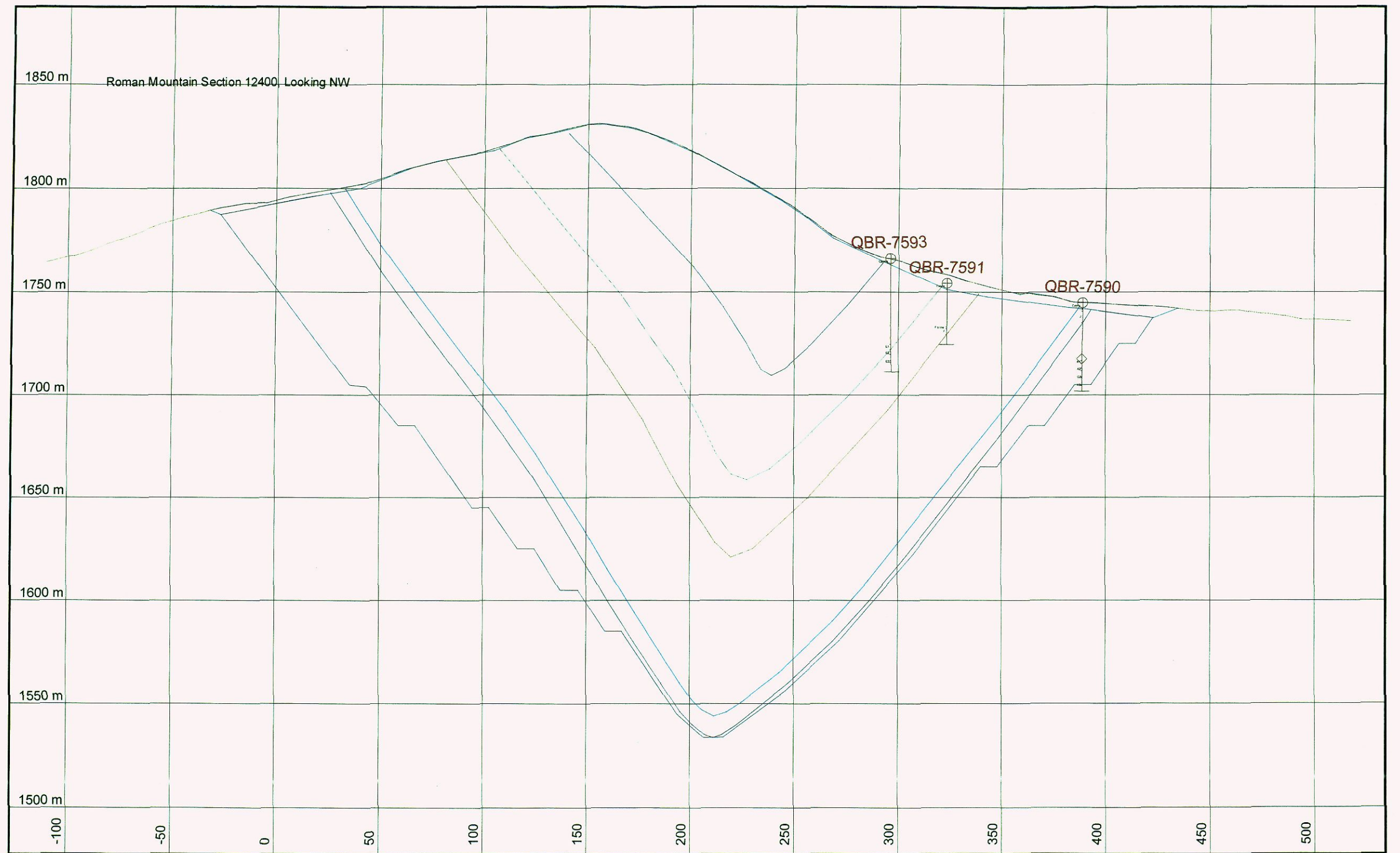


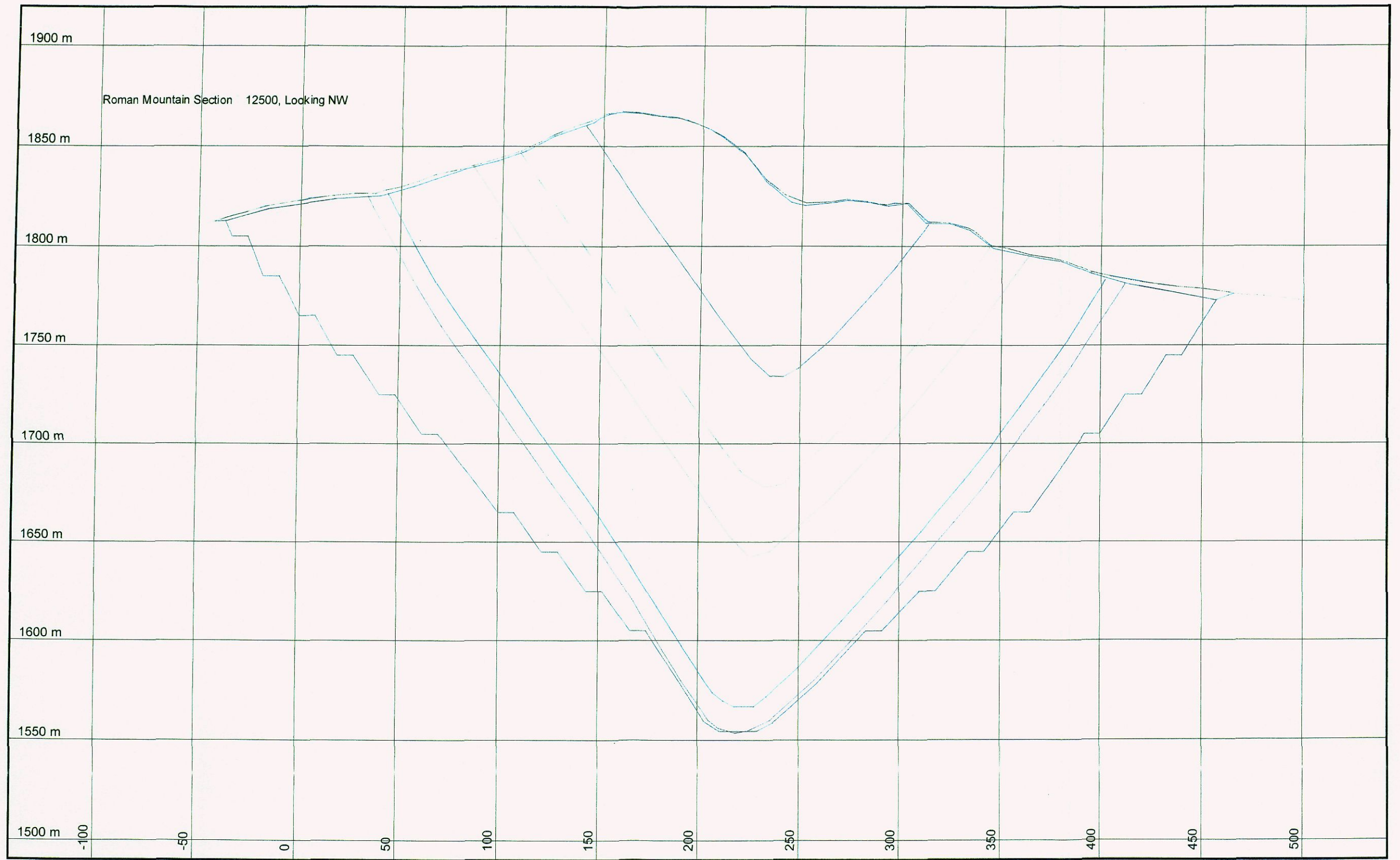


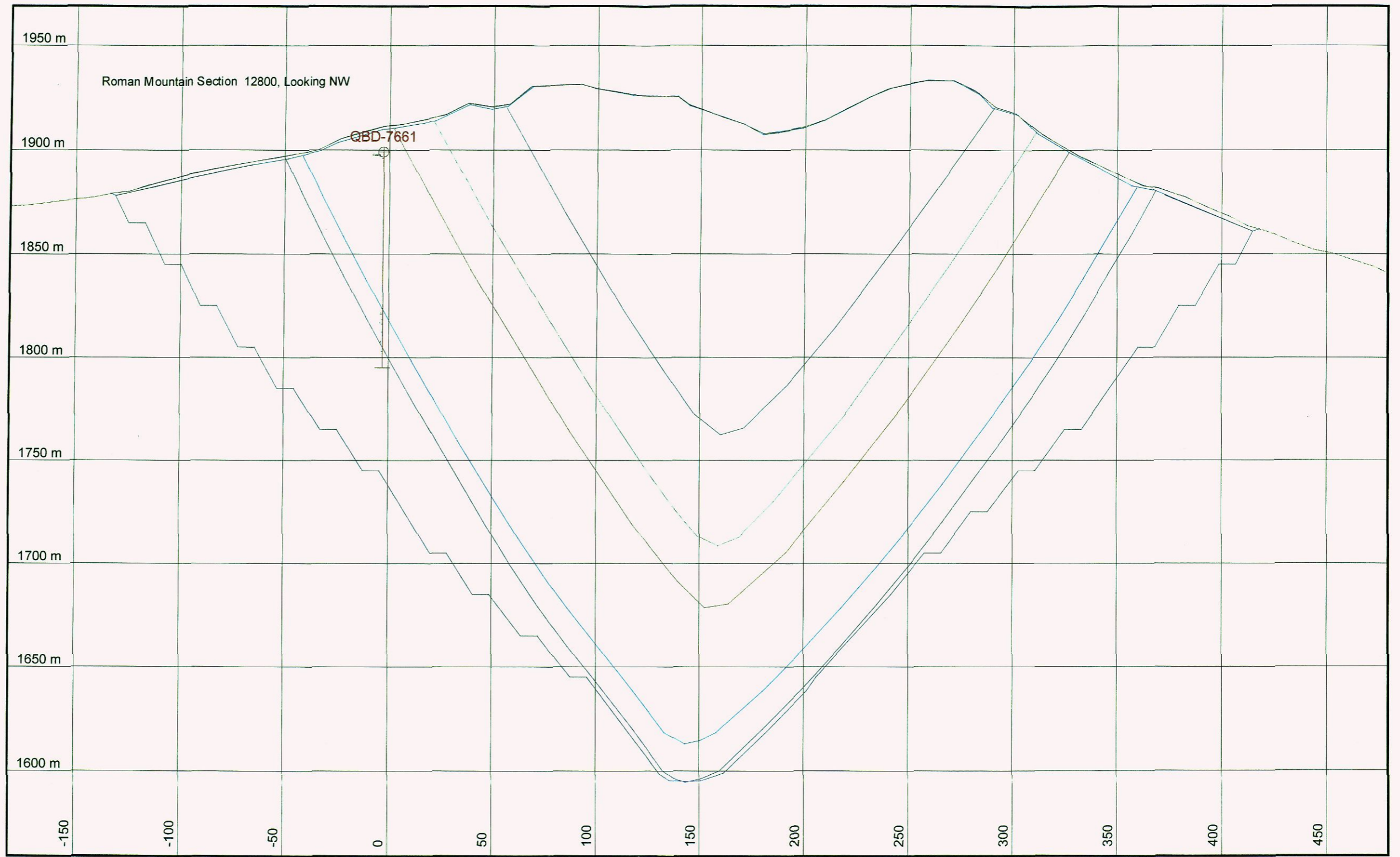


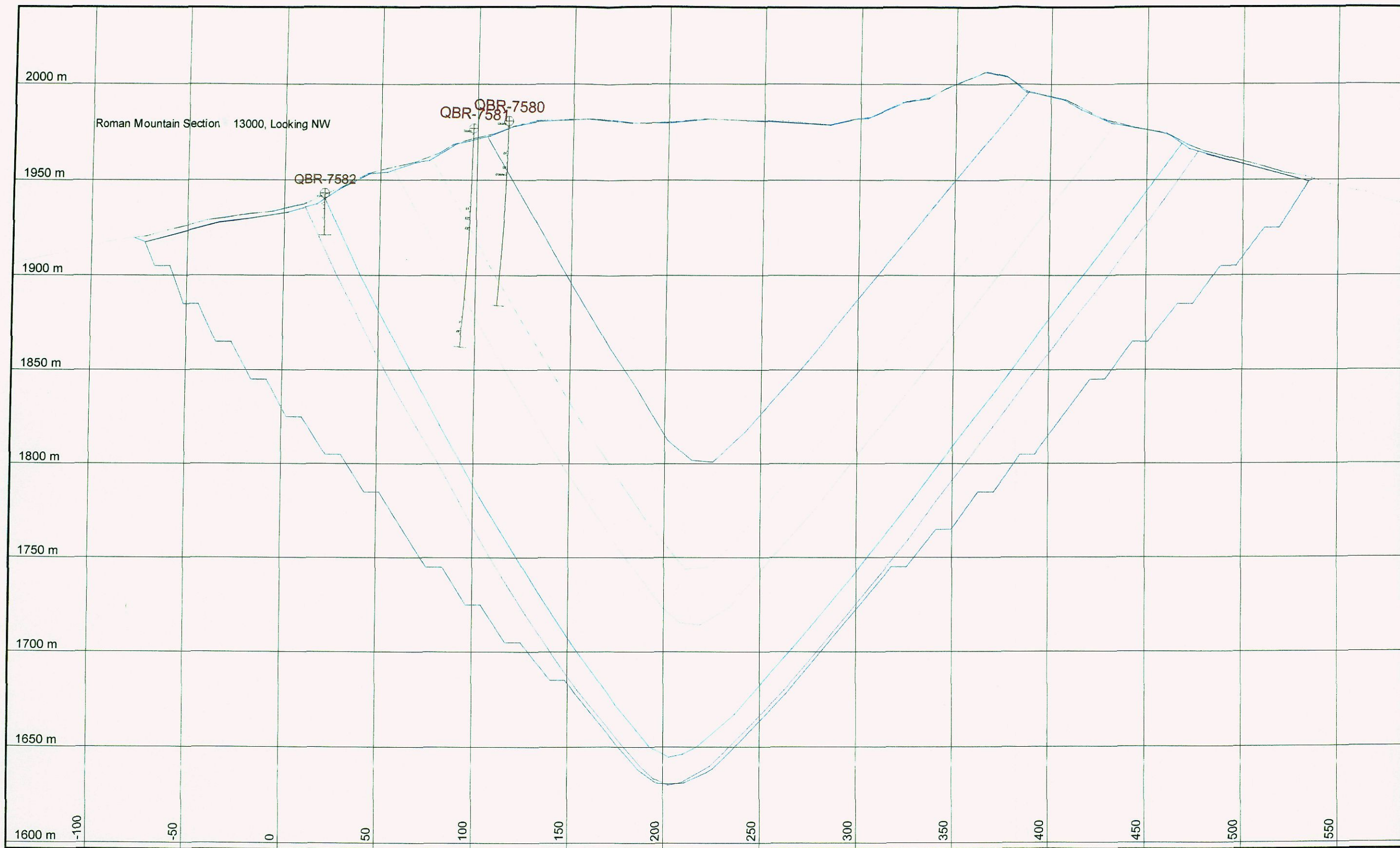


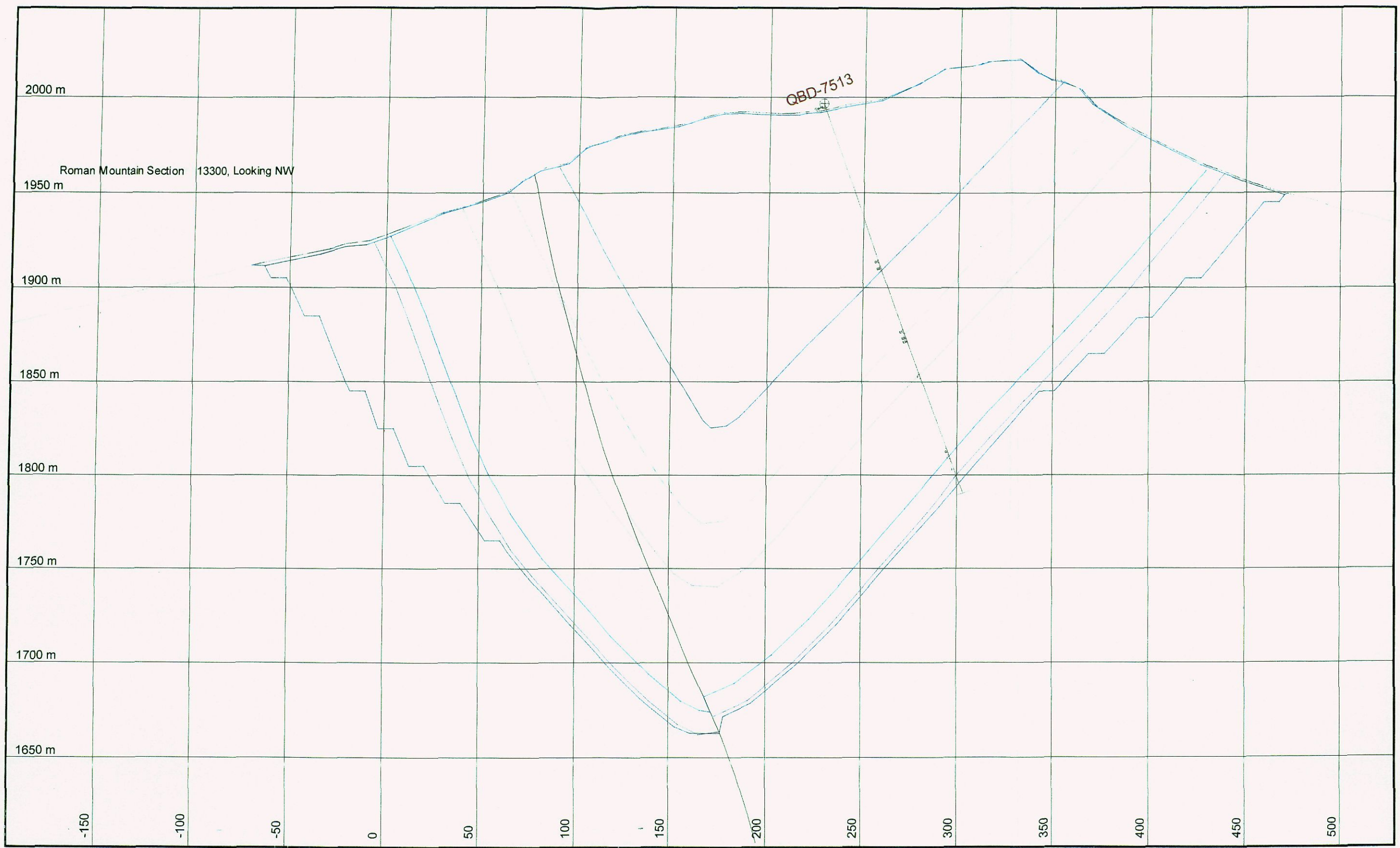


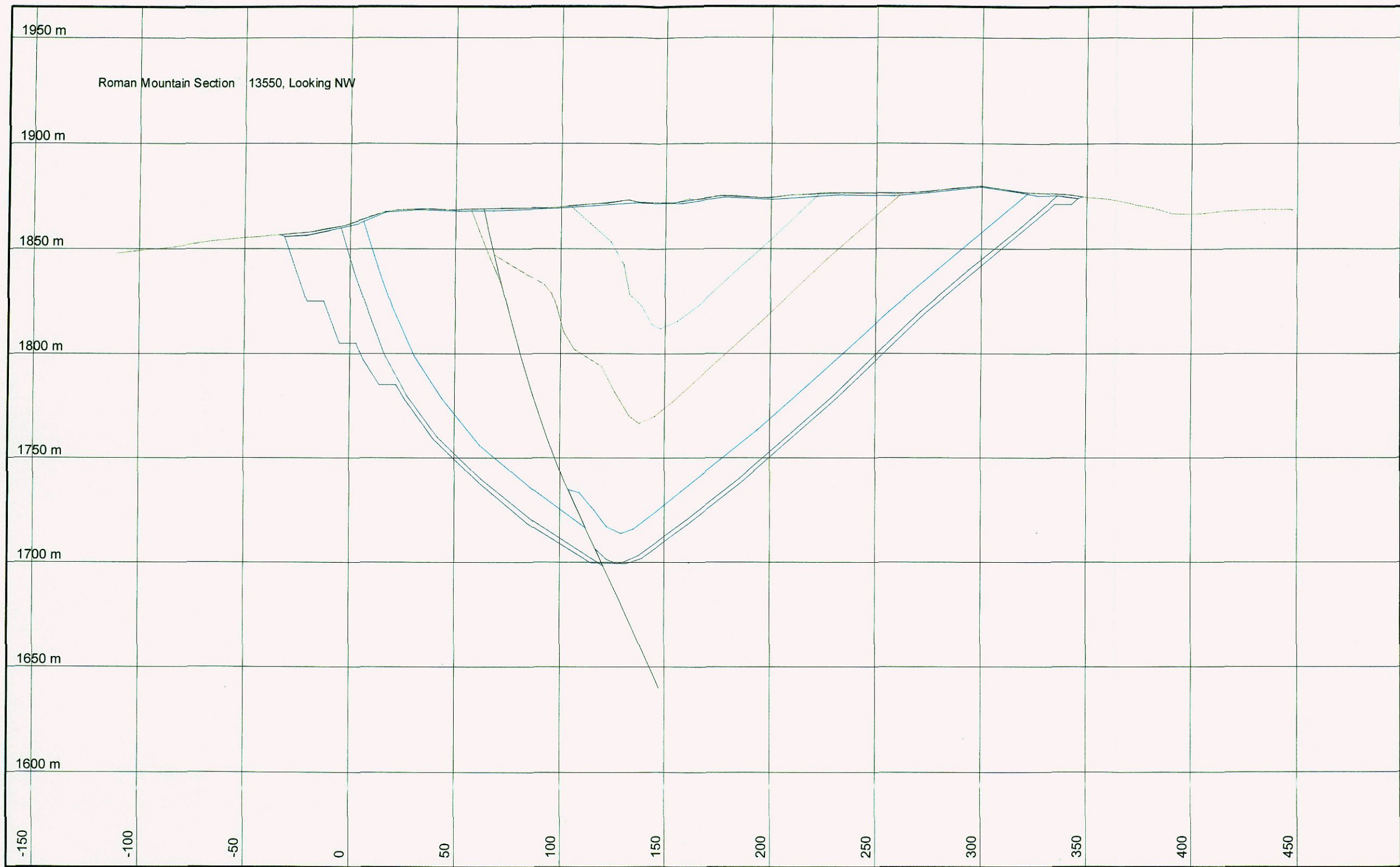


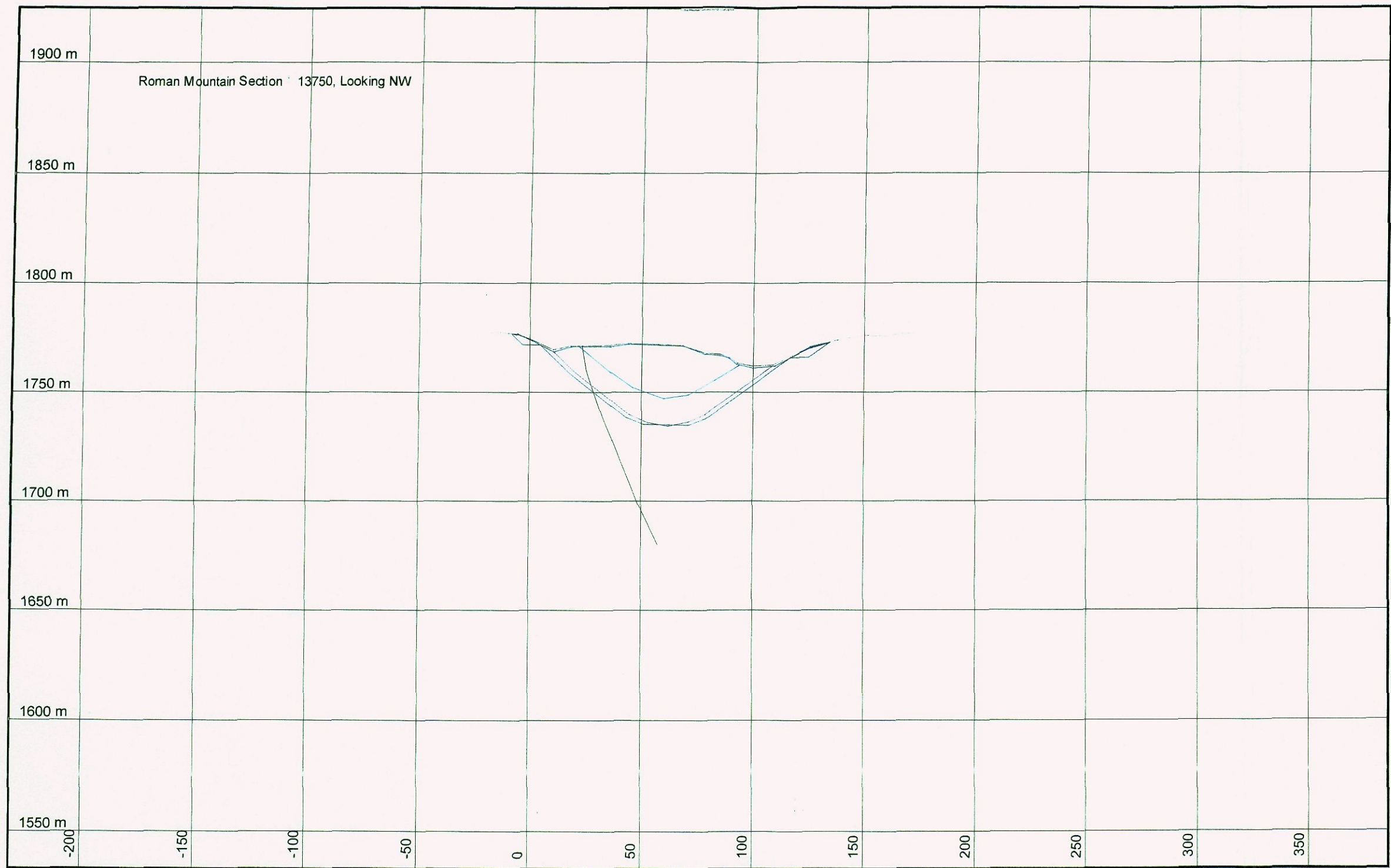








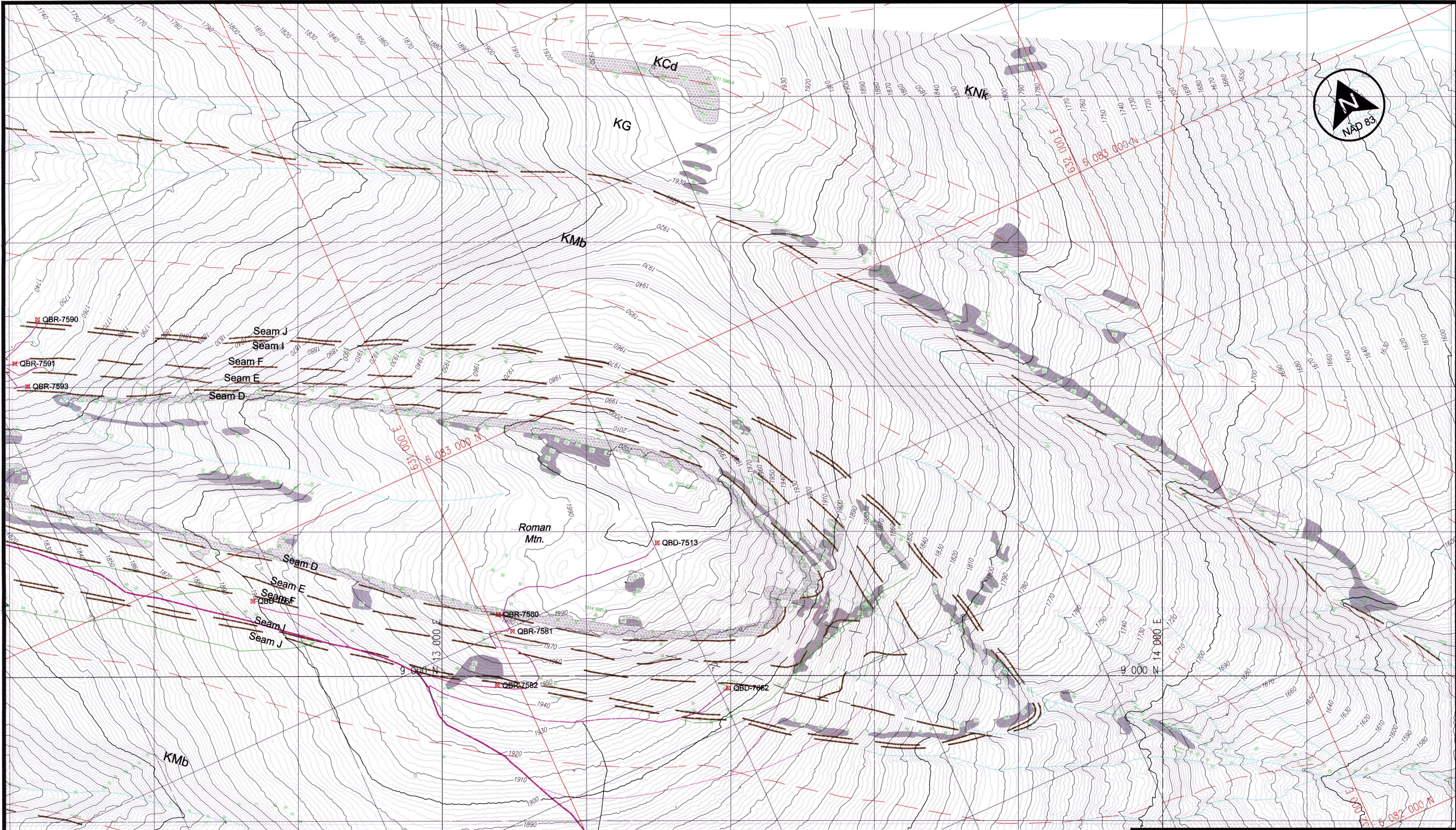




Appendix J
Statement of Costs

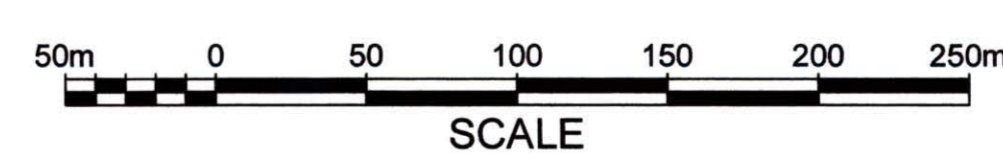
Appendix J - Statement of Costs

<u>Category</u>	<u>Vendor</u>	<u>Costs</u>	<u>Totals</u>
Drilling	Derex Drilling Services Ltd.	\$270,241.23	\$270,241.23
Supervision	R.F.McIntyre	\$71,000.00	\$71,000.00
Equipment Rental	J8 Holdings Ltd.	\$730.00	
	Tumbler Ridge Sand & Gravel	\$21,919.95	
	Derex JD 450	\$36,808.00	
		\$59,457.95	\$59,457.95
Geophysical Logging	Century Corp.	\$30,562.36	\$30,562.36
Access Construction	Tumbler Ridge Sand & Gravel	\$24,572.60	
	Great Northern Bridgeworks Ltd.	\$4,984.71	
	Atlantic Industries - Culverts	\$1,907.40	
		\$31,464.71	\$31,464.71
Reclamation	Tumbler Ridge Sand & Gravel	\$7,084.95	
	Peace Pro Seeds	\$3,780.00	
		\$10,864.95	\$10,864.95
Vehicle, Fuel & Parking	Michael Larkin	\$288.90	
	Driving Force	\$6,285.00	
	Tumbler Ridge Automotive	\$100.37	
	Michael Larkin	\$288.90	
	Shell Canada	\$4,047.46	
		\$11,010.63	\$11,010.63
Field Supplies	IRL Industrial Reproductions Ltd.	\$1,229.44	
	Northern Metalic Sales Ltd.	\$1,083.50	
	Michael Larkin	\$13.40	
	Northern Drilling Inc.	\$3,383.32	
		\$5,709.66	\$5,709.66
Assorted Expenses	R.F.McIntyre	\$5,411.14	\$5,411.14
Accomodations	Apartment Rentals	\$4,125.00	\$4,125.00
Personnel	Michael Larkin	\$1,333.36	
	Bill Millward	\$1,750.00	
	Ryland James	\$661.00	
		\$3,744.36	\$3,744.36
Facilities Rental	Northern Drilling Inc.	\$300.00	
	Jim Gies	\$1,500.00	
		\$1,800.00	\$1,800.00
Travel	Michael Larkin	\$150.00	\$150.00
Shipping	Canadian Freightways	\$129.21	\$129.21
		Subtotal	\$505,671.20
		GST 7%	\$35,396.97
		Total	\$541,068.17



LEGEND

- | | | |
|---------------------------|-------------------------------------|--------------------------|
| COAL LICENSE BOUNDARY | COAL SEAM | KGt GATES FORMATION |
| GRAVEL ROAD | FORMATION CONTACT LINE | KMb MOOSEBAR FORMATION |
| EXPLORATION TRAIL | OUTCROP | KG GETHING FORMATION |
| OLD TRAIL - REVEGETATED | BEDDING | KCd CADOMIN FORMATION |
| TRAIL - WALKING | R05-12 TRENCHES - 2005 | KNk NIKANASSIN FORMATION |
| SEISMIC LINE | RHTR05-10 ROTARY DRILL HOLES - 2005 | |
| TRAIL - TEMP. DEACTIVATED | QBD-7653 EXISTING DRILL HOLES | |



NEMI NORTHERN ENERGY & MINING INC.
 ROMAN COAL PROJECT
 ROMAN MOUNTAIN 2005 EXPLORATION PLAN - EAST

PROVINCIAL GEOLOGICAL SURVEY OF ALBERTA
 R. F. MCINTYRE
 GEOSCIENTIST

DRAWN BY: PW
 DATE: APR., 2006
 REV. 00

Fig. 3.3.2