

Summary Report on the Trefi Coal Property 2008-2012 Exploration Program

Northeast British Columbia: Centered at 6,148,000N and 572,000E (NAD 83)

Trefi Coal Ltd.



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Submission Date: 16 July 2014

**BC Geological Survey
Coal Assessment Report
940**

Pages 6, 7, 25, 31, 32, and Appendices A and C of this report remain confidential under the terms of the Coal Act Regulation, and have been removed from the public version.

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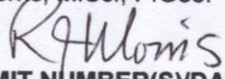


ASSESSMENT REPORT TITLE PAGE AND SUMMARY

TITLE OF REPORT: Summary Report on the Trefi Coal Property, 2008-2012 Exploration Program

TOTAL COST: \$ 735,780.09

AUTHOR(S): Robert J. Morris, M.Sc., P.Geol.

SIGNATURE(S): 

NOTICE OF WORK PERMIT NUMBER(S)/DATE(S): CX-9-039

YEAR OF WORK: 2008-2012

PROPERTY NAME: Trefi Coal Project

CLAIM NAME(S) (on which work was done):

COMMODITIES SOUGHT: Coal

MINING DIVISION: Liard

NTS / BCGS:

LATITUDE: 55° 29' 43"

LONGITUDE: 121° 53' 34" (at centre of work)

UTM Zone: 9 **EASTING:** 572000 **NORTHING:** 6148000

OWNER(S): Trefi Coal Corp.

MAILING ADDRESS:, 33045-1583 Marine Drive, West Vancouver, BC V7V 2X7

OPERATOR(S) [who paid for the work]: Trefi Coal Corp.

MAILING ADDRESS:, 33045-1583 Marine Drive, West Vancouver, BC V7V 2X7

REPORT KEYWORDS: Walton Member, Commotion Formation, Coal

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS:

Statement of Costs

Activity	Provider	2008	2009	2010	2011	2012	Total 2008-2012
Technical Services	MMTS	\$ 66,541.12	\$ 173,535.47	\$ 32,069.36	\$ 49,927.60	\$ 10,013.78	\$ 332,087.33
Drill Site Preparation	Jack Ganson		\$ 30,944.85				\$ 30,944.85
Drill Site Preparation	Peace Valley Line Locating		\$ 3,678.70				\$ 3,678.70
Drilling	Carbon Mountain Drilling		\$ 264,403.36				\$ 264,403.36
Drilling Services	Century Wireline Services		\$ 9,744.49				\$ 9,744.49
Core Storage	Pro-Saw Ventures		\$ 500.00				\$ 500.00
Equipment Rental	Total Oilfield Rentals		\$ 6,540.00				\$ 6,540.00
Drilling Services	McElhanney		\$ 7,863.00				\$ 7,863.00
Assays	Elk Valley Environmental		\$ 2,636.00				\$ 2,636.00
Site Visit	Trefi Coal Corp.			\$ 5,803.22		\$ 11,469.21	\$ 17,272.43
Archaeological Study	Stantec			\$ 3,304.75	\$ 8,724.45		\$ 12,029.20
Archaeological Study	ECOFOR				\$ 14,681.05	\$ 5,828.90	\$ 20,509.95
Permitting	Silenus Resource Mgmt.				\$ 3,000.00	\$ 24,570.78	\$ 27,570.78
Grand Total		\$ 66,541.12	\$ 499,845.87	\$ 41,177.33	\$ 76,333.10	\$ 51,882.67	\$ 735,780.09

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MMTS is of the opinion that the Trefi property hosts significant coal resources and is a property of merit, worthy of further exploration. It is recommended that the next phase of exploration consist of a mapping program to verify the dip of the limbs of the syncline and to revise the geological model to fit the mapping. A follow-up drill program in several key areas along with additional coal quality testing is also recommended.

2 INTRODUCTION & SCOPE

In June 2008, Moose Mountain Technical Services (MMTS) was retained by Anglo-Pacific Group Plc (Anglo-Pacific) to create a geological model of the Trefi coal deposit, to estimate the coal resources for the deposit and to recommend a follow-up drill program. Since that time, five drillholes, coal quality studies, and an updated resource estimate have been completed.

This report deals with coal seams found in the Walton Member of the Commotion Formation. The geology of this property is defined by the previous work of geologists from Gulf Canada Resource Inc. (Gulf Canada) and Norwest Resource Consultants Ltd. This report includes a review of the previous geology and drillhole data to the end of December, 1982, as well as drillhole data from 2009.

The author, Robert J. Morris, inspected the property during 21-22 April 2009, 21-22 October 2009, and 26 October 2012. During the site visits, access to the property was observed, drilling was in progress, drill core was inspected, and coal sampling protocol was confirmed.

3 PROPERTY DESCRIPTION, ACCESSIBILITY, CLIMATE, HISTORY, INFRASTRUCTURE

The Trefi coal property is located south of the Pine River Valley, approximately 30km southwest of the town of Chetwynd in the Peace River District of northeast British Columbia, Figure 3-1. The coal licences are located south of Highway 97 and the B.C.R. railway line. The approximate centre of the property is 6,148,000N and 572,000E (UTM NAD 83).

The property consists of 15 tenures and three licence applications, as shown in Table 3-1 and Figures 3-1 and 3-2. The total area of the tenure is approximately 7,337 hectares, while the licence application area is a further 2,100ha, Figures 3-3 and 3-4. The application area extends the extreme northwest portion of the licence area approximately 2km further to the north and west. Coal licences in British Columbia are obtained by “map staking” the area of interest. The coal licences are registered in the name of Trefi Coal Corp. (Trefi Coal), of Vancouver, B.C., a wholly-owned subsidiary of Anglo Pacific. There are no underlying agreements or royalties on the property.

Table 3-1 Trefi Coal, Owned Tenures

Project	Claim Number	Mining Division	Issued	Expiry Date	Area (ha)
Trefi Coal Corp	411463	Liard	22/06/2004	June 15,2015	294
Trefi Coal Corp	411464	Liard	22/06/2004	June 15,2015	294
Trefi Coal Corp	411465	Liard	22/06/2004	June 15,2015	294
Trefi Coal Corp	411466	Liard	22/06/2004	June 15,2015	294
Trefi Coal Corp	411467	Liard	22/06/2004	June 15,2015	294
Trefi Coal Corp	411468	Liard	22/06/2004	June 15,2015	294
Trefi Coal Corp	411469	Liard	22/06/2004	June 15,2015	294
Trefi Coal Corp	417047	Liard	08/09/2005	Sept 9, 2014	294
Trefi Coal Corp	417048	Liard	08/09/2005	Sept 9, 2014	294
Trefi Coal Corp	417049	Liard	08/09/2005	Sept 9, 2014	587
Trefi Coal Corp	417050	Liard	08/09/2005	Sept 9, 2014	881
Trefi Coal Corp	417051	Liard	08/09/2005	Sept 9, 2014	584
Trefi Coal Corp	417052	Liard	08/09/2005	Sept 9, 2014	1,465
Trefi Coal Corp	417053	Liard	08/09/2005	Sept 9, 2014	880
Trefi Coal Corp	417054	Liard	08/09/2005	Sept 9, 2014	294
				Total	7,337

All of the exploration completed to date has been by permit from the BC Government. The project currently has an active Mines Act Permit, CX-9-039, which covers the completed drill program.

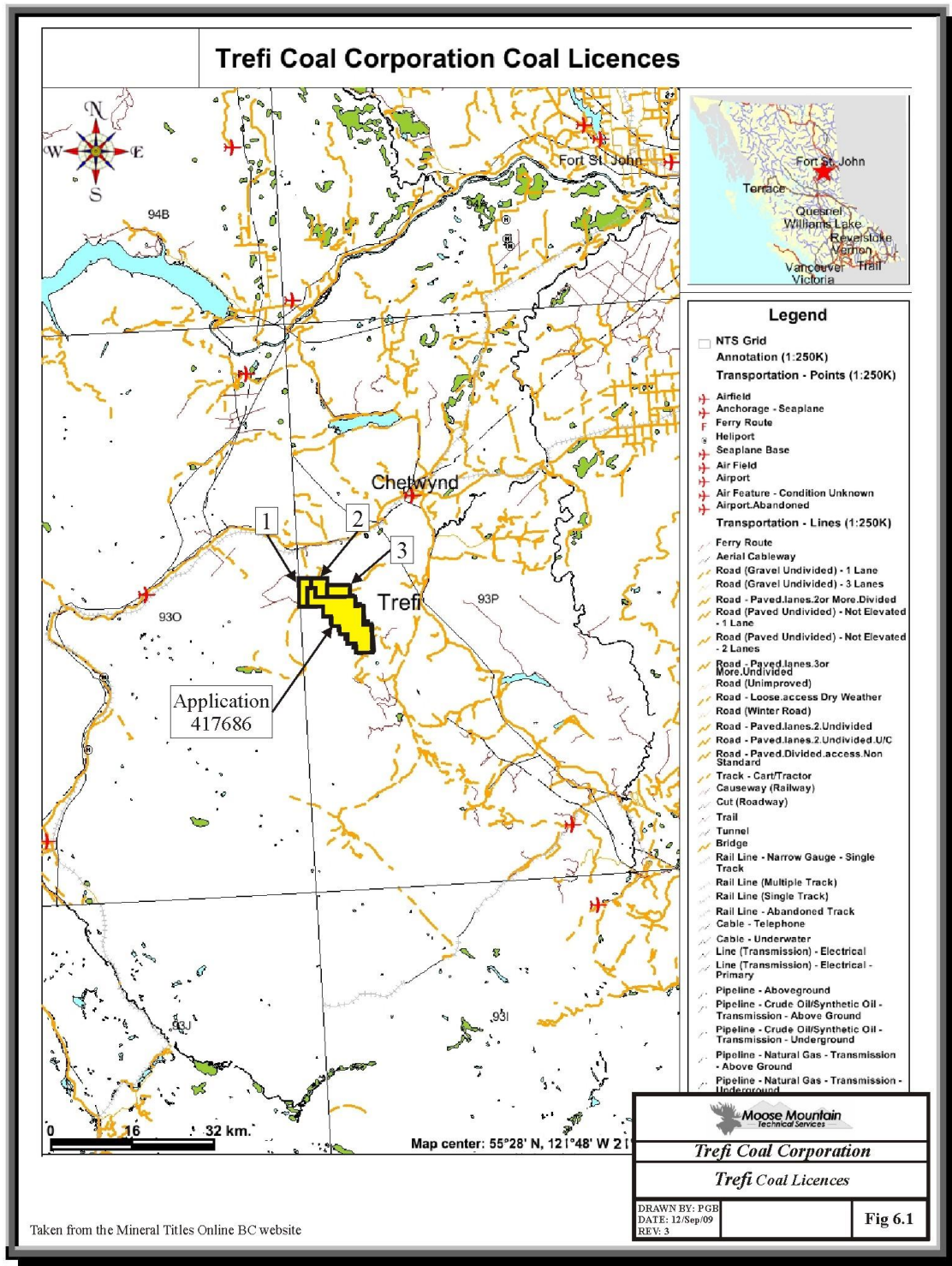


Figure 3-1 Trefi Coal Licences, 1 to 3 are the new application areas

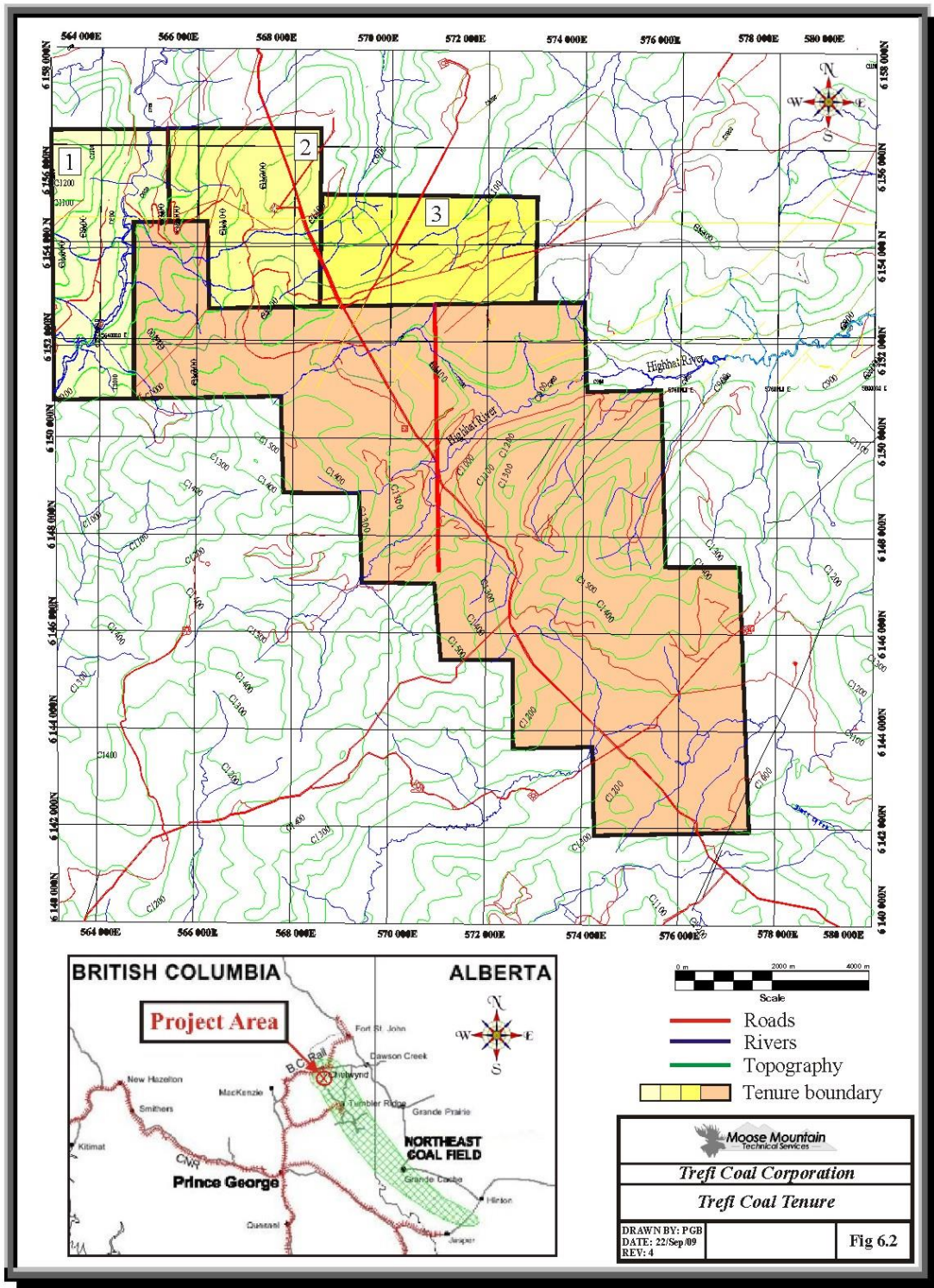


Figure 3-2 Trefi Coal Tenure, 1 to 3 are the new application areas

The Trefi property is located within the Pine Pass area in the Peace River District of northeast British Columbia. Primary road access to the general area is via the John Hart Highway, Highway 97, which is an all-weather paved highway which connects the Peace River District with the central interior city of Prince George, B.C. to the west and Chetwynd and Dawson Creek to the east. The southern portion of the property is accessible from Chetwynd via the Sukunka River road and an oil and gas and old coal exploration access road called the Highhat Road along Bluff Creek, a distance of about 50km. The northern portion of the property is accessible along the Hasler Creek road which leads off the main John Hart Highway about 26km west of Chetwynd and then along the Westcoast Transmission gas plant access road for a total distance from Chetwynd of about 40km. The Westcoast Transmission Grizzly Valley pipeline runs south from the main gas plant just south of the Pine River Valley through the western edge of the resource area. Some limited access is available along seismic cut lines during the winter season when the low swampy areas are sufficiently frozen.

Canadian National Railway (CN) operates a rail line through the Pine River Valley to service the Peace River District. The rail line is 8km north of the Trefi deposit and 21km from the south end of the property. The railway provides direct access to the port of Vancouver and to the Ridley Island Terminal at Prince Rupert.

The Peace River District is serviced by daily commercial airline flights to the cities of Prince George, Dawson Creek and Fort St. John. These services have respective road distances to the Trefi property of roughly 265km, 148km and 208km.

The property is situated in the Rocky Mountain Inner Foothills physiographical region and is characterized by relatively low, rounded, northwest-southeast trending ridges and valleys. Glaciation appears to have had a large influence in shaping the topography of the tenure area.

The highest elevation in the area is 1,425 metres at Highhat Mountain while the elevation in the Pine River Valley averages 600 metres. The average elevation of the area is approximately 1,240 metres.

The property is forested by jack pine and minor spruce. Poplar stands occur in low areas such as river valleys, and in wet areas adjacent to creeks and seepages. Most of the forested terrain may be classified as open forest, i.e., with little or no underbrush. The exceptions are the wet areas where willows and devil's club are common.

The climate of the region may be classified as northern temperate. Daily temperatures range from a mean maximum of 7°C to a mean minimum of minus 6°C, with a mean daily temperature of 1°C. Extreme temperatures range from a maximum of 32°C to a minimum of minus 48°C. The average annual number of days with frost is 210.

The mean total precipitation in the region is approximately 425mm, which includes the rainfall equivalent of a mean snowfall of 165cm. The average annual number of days with measurable precipitation is ninety-five. The greatest recorded rainfall in twenty-four hours is 66.5mm.

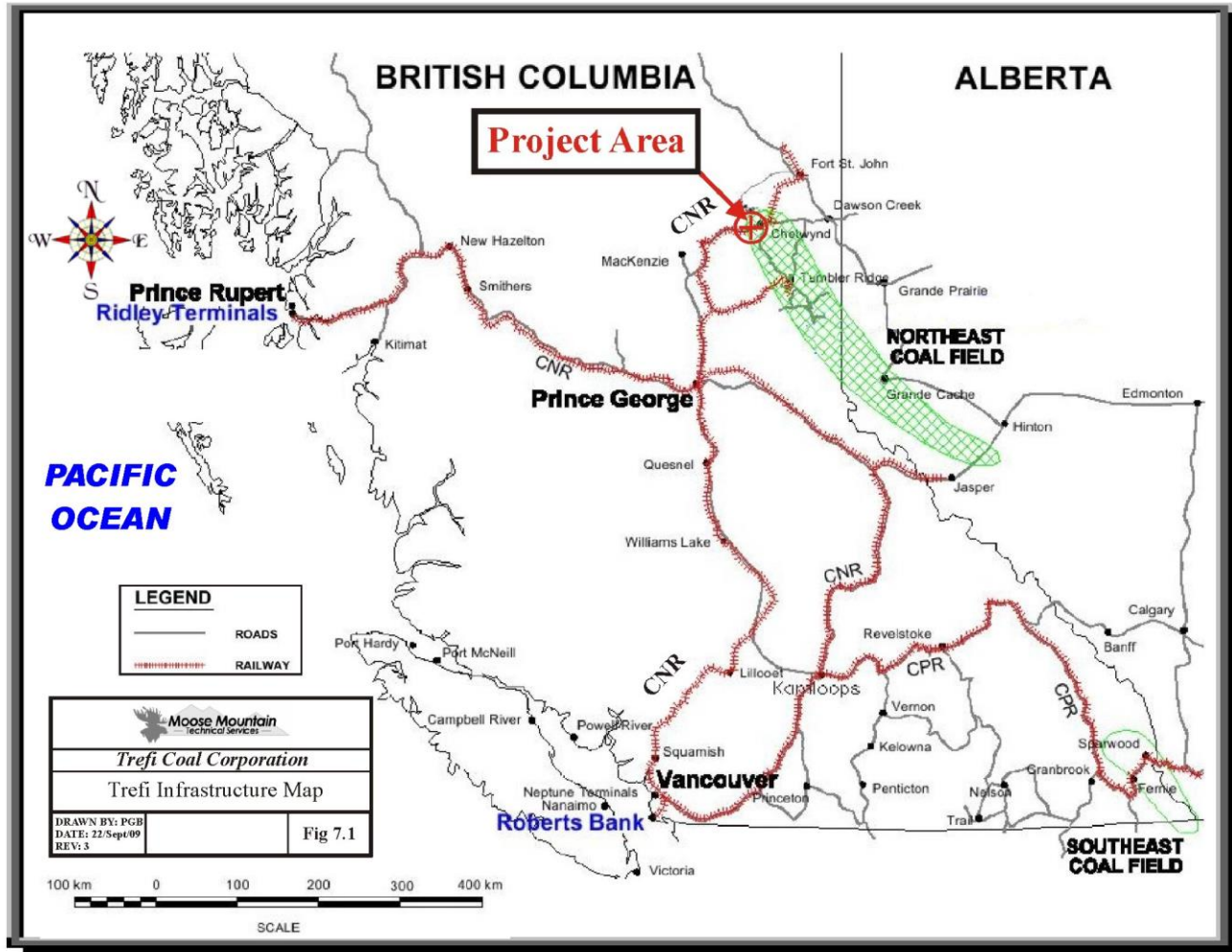


Figure 3-3 Trefi Coal, Infrastructure

4 GEOLOGY

4.1 History

Coal was discovered in the Peace River District of British Columbia during Alexander Mackenzie's overland journey to the Pacific about 200 years ago.

Exploration of the Trefi property began in April 1980, by Gulf Canada Resources Inc. The Trefi property at that time was three times the size that it is at present. Initial work involved 1:25,000 scale reconnaissance geological mapping and drilling. Rock and coal outcrop exposures on the tenures are limited due to a dense vegetative cover and overburden. The majority of geological field data was collected along drainage systems. Nine geological cross-sections were generated at approximately five kilometre centres on most of the property and at ten kilometre centres at the north end of the property.

Exploration in 1980 on the Trefi property consisted of twelve rotary drillholes and three diamond drillholes. The diamond drillholes were located south of the Pine River and have a total length of 641.4m. Core was sampled and sent for coal analysis. All holes were geophysically logged producing a suite of Gamma Ray, Neutron, Side Wall Density, Caliper and Focused Beam Resistivity Logs. The 1980 core was sent to Charlie Lake for storage. Of the rotary holes, six were drilled north of the Pine River and six south of the Pine River for a total length of 2,417.2m. Three of the 1980 holes south of the Pine River provided full seam core samples for analysis. After the 1980 field season, all the licences north of the Pine River were dropped. The size of the property shrank by approximately one half.

Exploration in 1981 on the Trefi property consisted of geological mapping at a 1:20,000 scale and the drilling of four diamond drillholes with a total length of 1,260.8m and six rotary drillholes with a total length of 1,662.3m. Four of these holes cored full seam samples of the Caron and Highhat Seams.

In 1982, exploration consisted of the drilling of two rotary drillholes with a total length of 350.4m. A full core section of the Caron seam was sampled in each hole. The drill program was designed to aid in a depositional analysis of the Trefi coal seams in order to better define the extent of the seams. Thirteen geological cross-sections were produced with the majority being spaced at two kilometre intervals though one at the south and two at the north were at four kilometre spacing.

Work completed on the Trefi property by Gulf Canada is filed with the BC Ministry of Energy and Mines as coal assessment reports 680, 681 and 682.

In the early 1980's, Gulf Canada estimated the inferred in-place resources for the Trefi region as 124.2 million tonnes for the thicker more extensive Caron seam (Seam C) and a possible 23.7 million tonnes for the thinner, less areal extensive Highhat seam (Seam H). These resources are considered historic in nature and do not comply with NI 43-101 standards.

The “inferred in-place” resource estimate from Gulf Canada would be equivalent to our total estimate of Measured, Indicated and Inferred resources combined. Gulf Canada’s Caron seam resource estimate (124.2Mt) combines 11.6Mt of coal with true thickness between 0.5m and 1.5m, with an estimated 112.6Mt of coal with true thickness greater than 1.5m. The calculation methodology for the estimate is not stated. The difference between the Gulf Canada estimate and MMTS’s would be that we have limited ours to the property boundary (some thick coal exists outside the coal licences) and we have not included coal that is greater than 600m below surface (some thick coal exists at greater depths of cover).

In 2009, Trefi Coal, a wholly-owned subsidiary of Anglo Pacific drilled five rotary drillholes on the Trefi property. Three of the holes were cored for coal. The total length of drilling was 1,006.39m.

The property is not in production nor has coal been produced from the property.

4.2 Geological Setting

The Cretaceous sediments of the northern Foothills were deposited along the western margin of the Western Canada Basin in a series of transgressive-regressive cycles during the Columbian Orogeny. Environments of deposition varied laterally and vertically from marine through prodeltaic and near shore, to delta plain and alluvial. Lithologies include mudstone, siltstone, sandstone, conglomerate and coal.

The Trefi property is underlain by the Lower Cretaceous Bullhead Group and Fort St. John Group sediments. Figure 4-1 compares the stratigraphic nomenclature used by Gulf Canada to that used by the Geological Survey of Canada (GSC). Because much of the present work is based on the former’s work, the Gulf Canada nomenclature is used.

The oldest formation on the property is the Gething Formation which is part of the Bullhead Group. The Gething Formation is made up of fine to coarse grained sandstones, siltstones, mudstones, carbonaceous mudstones and coal. Many coal deposits in the Peace River district are in the Gething Formation. This formation may be present near the edge of the very southern licences but there are no known exposures of Gething Formation on the Trefi property.

Overlying the Gething Formation is the Moosebar Formation, which is marine and is the youngest unit of the Fort St. John Group. The Moosebar Formation is a recessive marine shale unit which consists of dark grey, rubbly weathering mudstones and siltstones.

Conformably overlying the Moosebar is the Commotion Formation, of which Gates Member is the youngest member. The Gates Member is comprised of sandstone, siltstone, mudstone, carbonaceous mudstone and some coal. Although the Gates, along with the Gething, is one of the main coal bearing units in the south part of the Peace River Coalfield, only thin seams, all less than 1.0 metre thick have been found in Gates drill core on the Trefi property.

The Hulcross Member is a recessive marine siltstone and mudstone sequence which conformably overlies the Gates Member. It, in turn, is conformably overlain by the Boulder Creek Member.

The Boulder Creek Member can be divided into 3 units: the lower, resistant, cliff forming sandstone and conglomerate unit, the middle interbedded sandstone, siltstone and minor mudstone unit and the upper, resistant, cliff forming sandstone/conglomerate unit. The majority of holes drilled on the Trefi property were terminated in this upper conglomeratic unit and it provided an excellent marker for the base of the coal-bearing Walton Member in the central part of the license area.

The Walton Member conformably overlies the Boulder Creek Member.

Overlying the Walton Member are the other formations of the Fort St. John Group, which, in this area, include in succeeding order, the Hasler and Goodrich Formations.

4.3 Walton Member

The coal-bearing Walton Member, between the underlying Boulder Creek Formation and the overlying Hasler Formation, is comprised of sandstone, siltstone, mudstone, carbonaceous mudstone, coal and occasional conglomeratic sandstone. Coal seam development occurs predominantly in the lower one-third of the Member. Interbedded mudstone, siltstone and channel sandstones comprise the upper two thirds of the Member.

South of the Pine River the thickness of the Walton Member varies from 60m to 88m, averaging 68m.

Prior to the 1980 drilling program, data on the coals of the Walton Member were derived from gas wells both on and off the property. Two seams, 2.1 and 1.37 metres thick, were intersected at a depth of 725.4m and 737.1m in Skelly Getty CS Commotion 93-P-12/a-23-D (Discovery Well) at the head waters of Goodrich Creek. Twenty-one kilometres south of this well, and outside the licences, two 0.9m seams at 1240m and 1243.5m and one 1.2m seam at 1261m, were intersected in Quasar et al Oetco: 93-P-5/c-28-I. Logs from Skelly Getty CS Commotion 93-P-12/c-29-C approximately 5.5km east of the "Discovery Well" indicated no coal of any significance and this well defines the easterly limit of coal development. The 1980 rotary and diamond drilling program demonstrated that the occurrence of these two seams is restricted to the South Pine Area. Thin coals and carbonaceous zones do occur north of the Pine River but appear discontinuous and difficult to correlate. Most of the coal seam development occurs within the basal one third of the member. Two significant coal seams are developed in the Walton Member. They are, in ascending stratigraphic, order the Highhat and the Caron Seams. A third, less significant but fairly continuous seam called the Linklater seam is found between the Highhat and Caron Seams.

The Highhat Seam occurs at the base of the member and either lies directly on the upper conglomeratic unit of the Boulder Creek Member or within one metre of the contact. The seam varies from a few centimetres to a maximum gross thickness of 2.68m containing 1.74m of coal.

The Linklater Seam is between the Highhat and Caron Seams at approximately 5 to 7m above the base of the Walton Member. It varies from 0.2m to 1.18m thick and averages 0.61m.

The Caron Seam occurs within eleven to nineteen metres of the base of the unit and varies in thickness from a few centimetres to a maximum thickness of 2.70m in the discovery well. The seam underlies most of the north-western portion of the South Pine area. The Caron Seam thins

to the east and north. In approximately half of the Caron Seam intersections, it is associated with a thin band of coal near its roof, called the Caron Rider Seam. The Caron Rider averages 0.43m thick and the rock band separating it from the Caron Seam averages 2.39m.

Detailed stratigraphic analysis undertaken as a part of the 1982 geologic program re-evaluated member contacts as well as the lateral continuity of stratigraphic units, particularly coal seams. Several datum horizons were identified including the tops of marine sandstones in the Boulder Creek Member, as well as coal seams, high natural gamma radiation beds and laterally persistent fluvial sandstone beds in the Walton Member.

This report deals with coal seams found in the Walton Member of the Commotion Formation. To date, two coal seams have been modelled on the Trefi property. They range in thickness from 0.2m to 4.85m. The seams are within a 20m portion of the lower Walton Member of the Commotion Formation.

For each seam the following criteria for inclusion in resource applies: minimum mineable seam thickness is 1.5m. A coal zone is considered mineable if it has a cumulative thickness of 1.5m or more.

Table 4-1 Distribution of Seam Thickness

Seam	Number of Intercepts	Thickness Range (m)	Number > 1m
CR	8	0.18 – 0.57	0
C	20	0.2 – 4.85	14
N	3	0.57 – 1.1	1
L	10	0.2 – 1.18	1
H	9	0.13 – 2.23	5

4.4 Structural Geology

The most intense structural feature affecting the Trefi property is the Pine River Anticline which lies immediately along the western margin of the property. Along the northeast limb of this feature resistant Boulder Creek Member sandstones and conglomerates outcrop and form northwest-trending ridges. The Walton Member is brought to surface as well, along this limb, but due to the recessive nature of the rocks and cover by surficial material, it is not normally exposed.

The northeast limb of the Pine River Anticline dips rather steeply to the northeast with attitudes ranging from 25° to 45°. At depth along this limb a flexure causes the dips to flatten and eventually dip in the opposite direction following a syncline. The syncline is called the Hulcross Syncline and this structure is generally broad with gentle dips, particularly along the northeast limb. The Hulcross Syncline narrows to the southeast and terminates just southeast of Highhat Mountain. To the northeast, the Hulcross Syncline is paired with the Commotion Anticline. Dips on the Commotion Anticline are relatively gentle. The Commotion Anticline terminates north of the Highhat Mountain where it converges with the Pine River Anticline. Axial plunge on all folds is towards the southeast.

A fault, named the Highhat Fault, is postulated just west of Highhat Mountain. Poor exposure makes it very difficult to detail this feature with any certainty.

Sub-surface investigation will be necessary to positively identify and locate this structure if present.

South of Highhat Mountain the structure becomes somewhat more complex with fold amplitudes increasing and some thrust faulting taking place. A series of thrust faults north-east of the north-east part of the property are considered to parallel the east edge of the Trefi coal property as far south as the Sukunka River. Displacement is considered to be in the order of 800metres, but there is a lack of detailed mapping in this area.

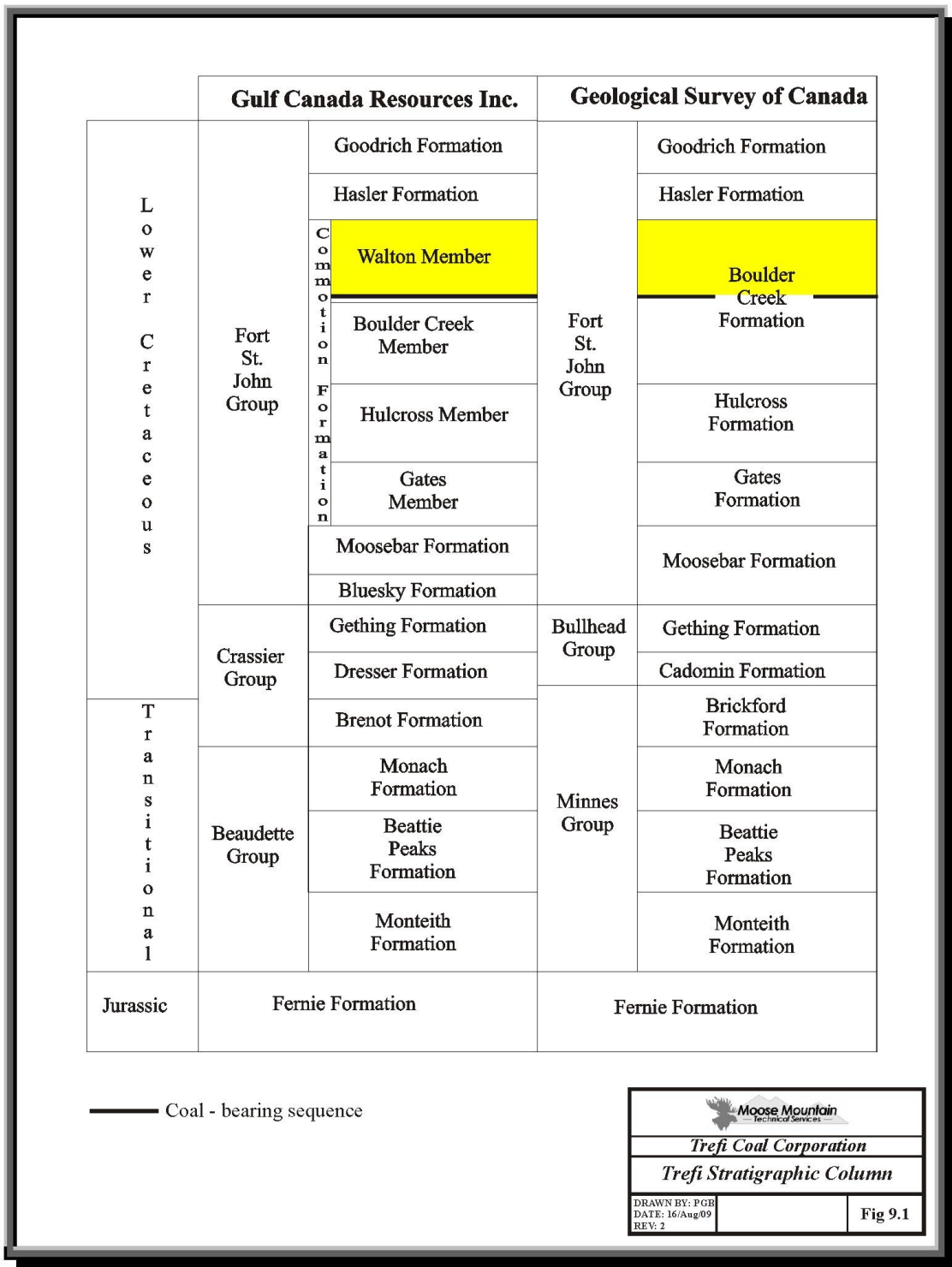


Figure 4-1 Stratigraphic Column; relates the older Gulf Canada nomenclature to the present day GSC nomenclature

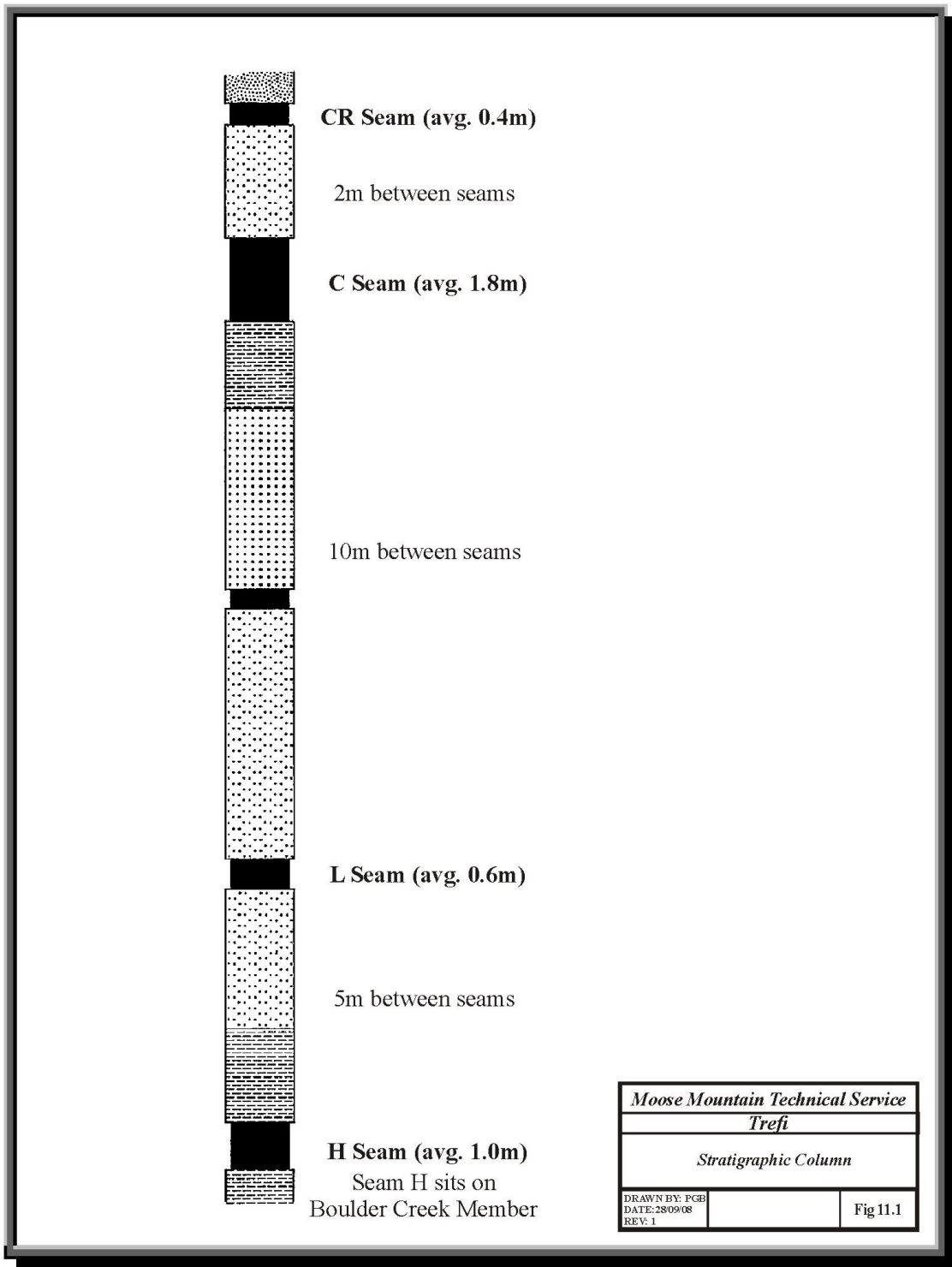


Figure 4-2 Detailed Stratigraphic Column

5 EXPLORATION PROGRAM

5.1 Historic Exploration

Coal was discovered in the Peace River District of British Columbia during Alexander Mackenzie's overland journey to the Pacific about 200 years ago.

Exploration of the Trefi property began in April 1980, by Gulf Canada Resources Inc. The Trefi property at that time was three times the size that it is at present. Initial work involved 1:25,000 scale reconnaissance geological mapping and drilling. Rock and coal outcrop exposures on the tenures are limited due to a dense vegetative cover and overburden. The majority of geological field data was collected along drainage systems. Nine geological cross-sections were generated at approximately five kilometre centres on most of the property and at ten kilometre centres at the north end of the property.

Exploration in 1980 on the Trefi property consisted of twelve rotary drillholes and three diamond drillholes. The diamond drillholes were located south of the Pine River and have a total length of 641.4m. Core was sampled and sent for coal analysis. All holes were geophysically logged producing a suite of Gamma Ray, Neutron, Side Wall Density, Caliper and Focused Beam Resistivity Logs. The 1980 core was sent to Charlie Lake for storage. Of the rotary holes, six were drilled north of the Pine River and six south of the Pine River for a total length of 2,417.2m. Three of the 1980 holes south of the Pine River provided full seam core samples for analysis. After the 1980 field season, all the licences north of the Pine River were dropped. The size of the property shrank by approximately one half.

Exploration in 1981 on the Trefi property consisted of geological mapping at a 1:20,000 scale and the drilling of four diamond drillholes with a total length of 1,260.8m and six rotary drillholes with a total length of 1,662.3m. Four of these holes cored full seam samples of the Caron and Highhat Seams.

In 1982, exploration consisted of the drilling of two rotary drillholes with a total length of 350.4m. A full core section of the Caron seam was sampled in each hole. The drill program was designed to aid in a depositional analysis of the Trefi coal seams in order to better define the extent of the seams. Thirteen geological cross-sections were produced with the majority being spaced at two kilometre intervals though one at the south and two at the north were at four kilometre spacing.

Work completed on the Trefi property by Gulf Canada is filed with the BC Ministry of Energy and Mines as coal assessment reports 680, 681 and 682.

In the early 1980's, Gulf Canada estimated the inferred in-place resources for the Trefi region as 124.2 million tonnes for the thicker more extensive Caron seam (Seam C) and a possible 23.7 million tonnes for the thinner, less areal extensive Highhat seam (Seam H). These resources are considered historic in nature and do not comply with NI 43-101 standards.

The "inferred in-place" resource estimate from Gulf Canada would be equivalent to our total estimate of Measured, Indicated and Inferred resources combined. Gulf Canada's Caron seam

resource estimate (124.2Mt) combines 11.6Mt of coal with true thickness between 0.5m and 1.5m, with an estimated 112.6Mt of coal with true thickness greater than 1.5m. The calculation methodology for the estimate is not stated. The difference between the Gulf Canada estimate and MMTS's would be that we have limited ours to the property boundary (some thick coal exists outside the coal licences) and we have not included coal that is greater than 600m below surface (some thick coal exists at greater depths of cover).

The property is not in production nor has coal been produced from the property.

5.1.1 Drilling

Between 1980 and 1982, Gulf Canada completed seven diamond drillholes and sixteen rotary holes on the Trefi property. Holes were drilled into the Commotion Formation targeting the top of the Boulder Creek Member and ranged in depth from 90.0m to 617.2m.

Previous drilling located Seam C across a much larger area than that covered by the present day coal licences. It was found that to the north and northeast the seam became very thin and was deemed uneconomical.

In 2009, Trefi Coal drilled five rotary drillholes. Based on the 2008 model, holes were located in order to intersect and core the Walton Member coal seams. Four of the holes intersected the Walton Member seams, coal was cored and sampled in three of the holes and one hole was abandoned because of high water in-flow. Drillhole depths ranged from 161.84m to 288.95m.

Because the geology is simple and generally flat lying, vertical drillholes have been used to assess the resource potential of the area. The relationship between sample length and true thickness is very close to the same, but in detail it has been calculated using MineSight® which considers the 3D orientation of the drillhole and the coal seam.

In general, the Trefi coal deposit is an open syncline with a northwest/southeast strike orientation and dips on the limbs of less than 20°.

Table 5-1 Summary of Drilling, Trefi Property

Year	Diamond		Rotary		Total	
	Number	Length (m)	Number	Length (m)	Number	Length (m)
1980	3	641.4	8	1,967.7	11	2,609.1
1981	4	1,260.8	6	1,662.3	10	2,923.1
1982	0	0	2	350.4	2	350.4
2009	0	0	5	1,006.39	5	1,006.39
Totals	7	1,902.2	21	4,986.8	28	6,889.0

5.2 Geological Modelling 2009

Mineral resources have been estimated for the Trefi coal deposit. The property hosts a mineral resource that could be mined using underground methods.

The geological modelling portion of the project includes a review of the available data, formatting and treatment of data to support model development, a geological interpretation, and the construction of gridded-seam resource model. Interpretation and modelling has focused on the Caron Seam (Seam C) though the lower Highhat Seam (Seam H) may have some potential.

Model Extent

The block model is 17,500m long (in the northwest direction, the Y axis), 9,500m wide (in the northeast direction, the X axis), and 1,300m deep (elevation range from 300m to 1,600m, the Z axis). The model has been rotated 38° to the west (so that cross-sections view the deposit approximately at right angles to the strike).

Topography

Topography has been obtained from NTS maps at the scale of 1:50,000.

Overburden Surface

Overburden has not been considered in the model as it is a potential underground project.

Oxide Horizon

The degree of oxidation has not been considered in the model.

Geological Data

A geological interpretation of the footwall of Seam C was completed on cross-sections, and the footwalls from section were linked to develop a surface. The true thickness of the seam was determined mathematically by considering the orientation of the drillhole (from downhole survey) and the dip of the bedding as measured in drill core. A true thickness interpolation, using an inverse distance function (to the third power) and a 5,000m search distance, was then completed to determine seam thickness between drillholes.

Mineable thickness tagging

On the basis of the current knowledge, the Trefi deposit is classified as a moderate, potentially underground mineable deposit. Sample analysis shows the coal to be mid volatile bituminous rank, potentially marketable to the steel making industry as a weak coking coal (PCI) or as a thermal coal. Mineral resource assumptions for in situ bulk density, mineable true thicknesses, and depth below surface conform to the Paper 88-21 guidelines at 1.45g/cc, greater than 1.5 metres, and less than 600m respectively.

Mineral Resource Classification

During interpolation runs, MineSight® stores the distance from the model block to the nearest composite value in the zone that satisfies the search parameters. The distance values are then used to assign a resource classification code based on the sectional spacing prescription in GSC paper 88-21. A mineral resource code of one, measured mineral resources indicates the influence of composite values within 450m of the model block. A value of two, Indicated resources indicates

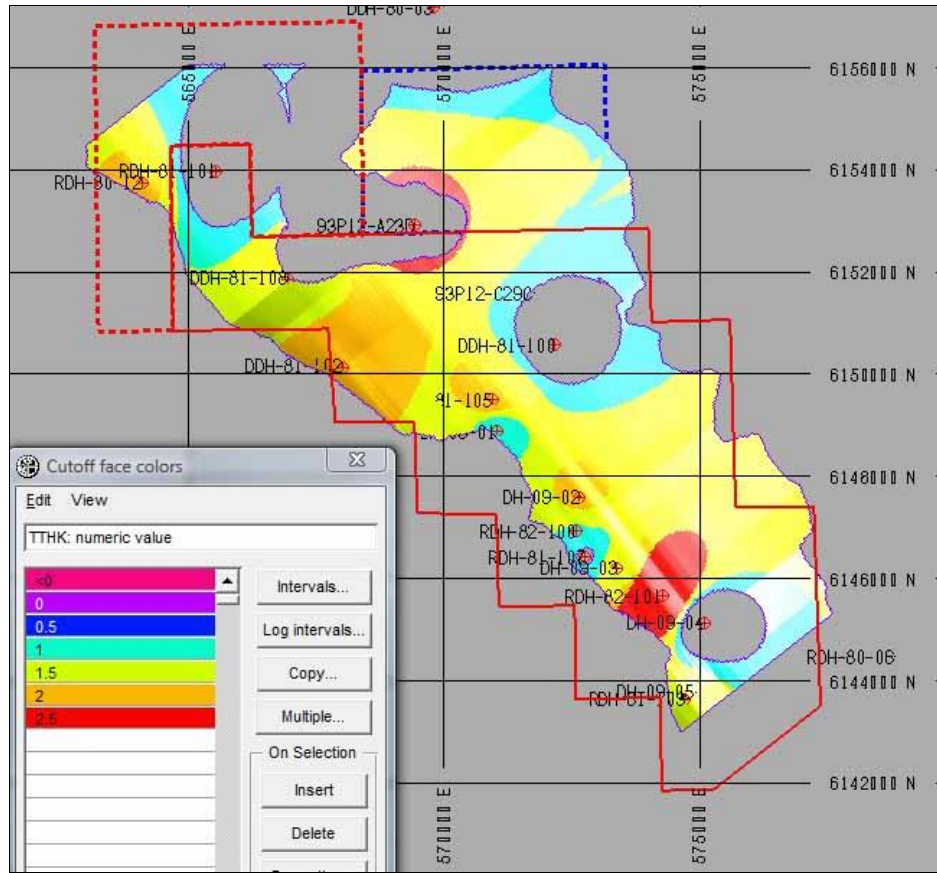


Figure 5-1 Distribution of Drillholes on Trefi Property

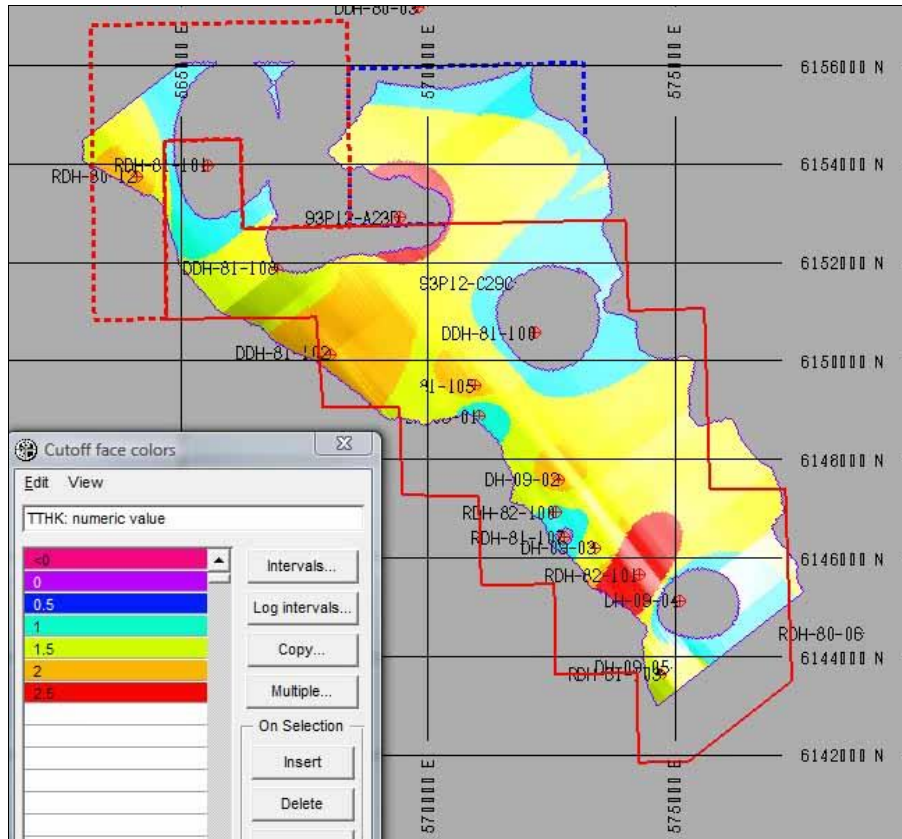


Figure 5-2 Plan showing the distribution of Seam C relative to the Trefi Property

(Red outlines the coal licences; while the red and blue dashed line outlines the coal licence application areas. The grid is 2km north/south and 5km east/west. The true thickness legend is shown in the lower left, with the yellow, orange and red colours representing coal >1.5m thick. The cut-out areas represent areas with >600m of cover.)

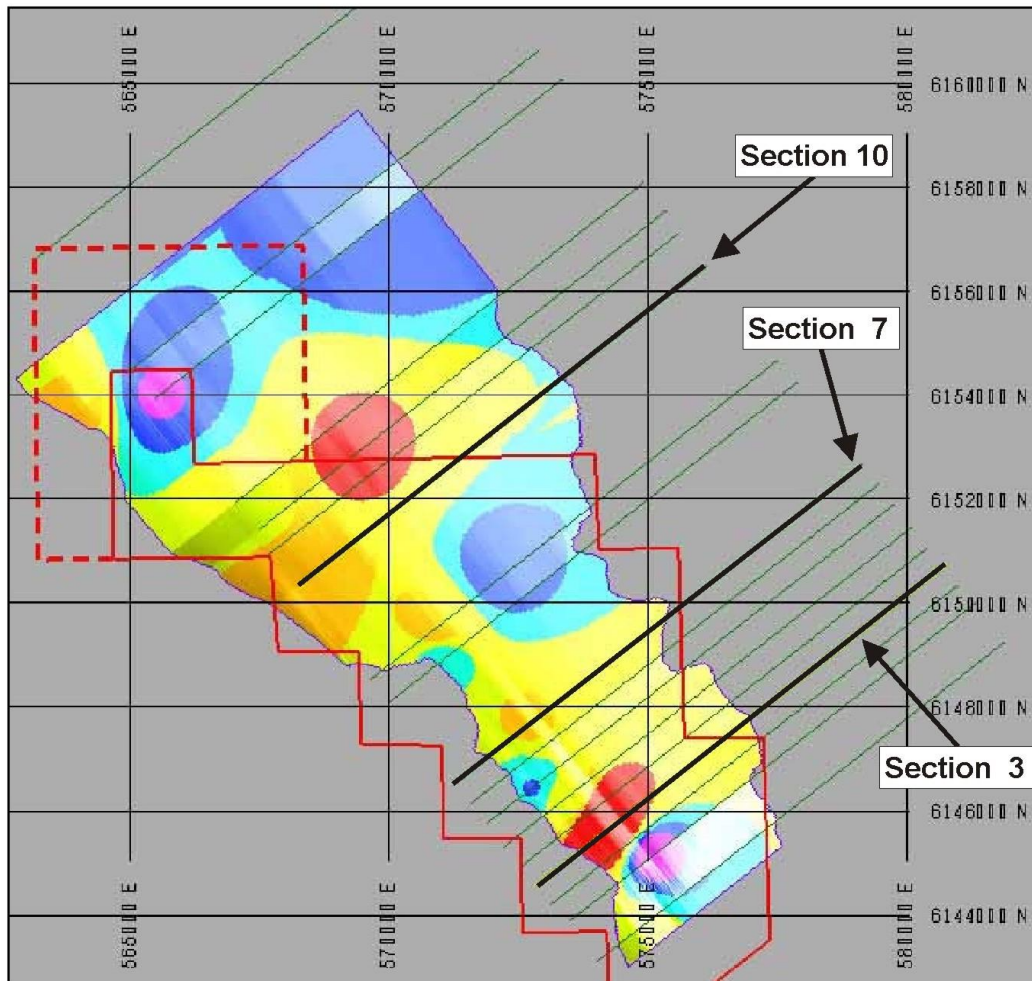


Figure 5-3 Plan showing Location of Cross-sections

(The solid red lines show the coal licences, while the dashed red line is one of the application areas (see Figure 5-2 for the additional application area)).

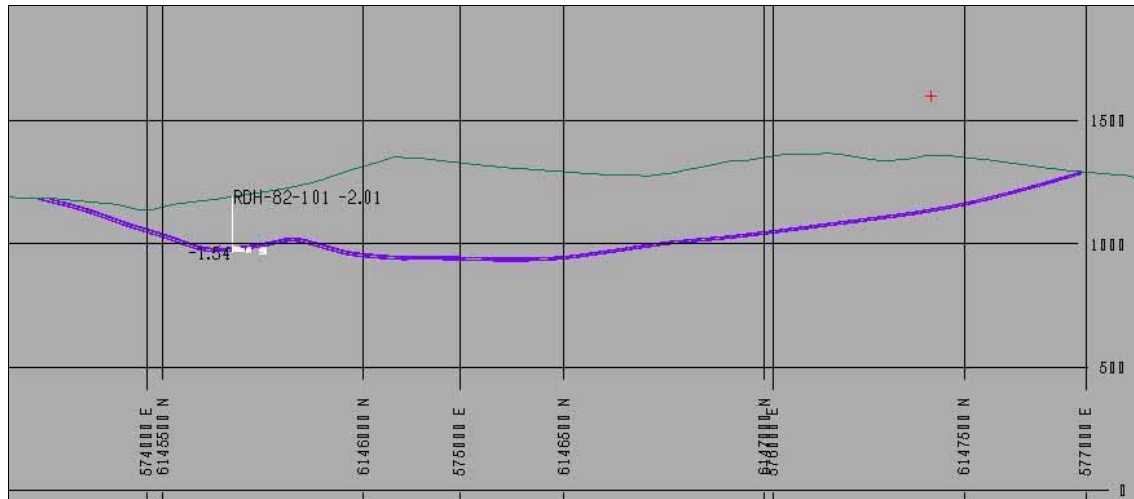


Figure 5-4 Cross-section 3; near the south end of the deposit, showing RDH82-101

(Seam C is shown in purple. The grid is 500m vertical.)

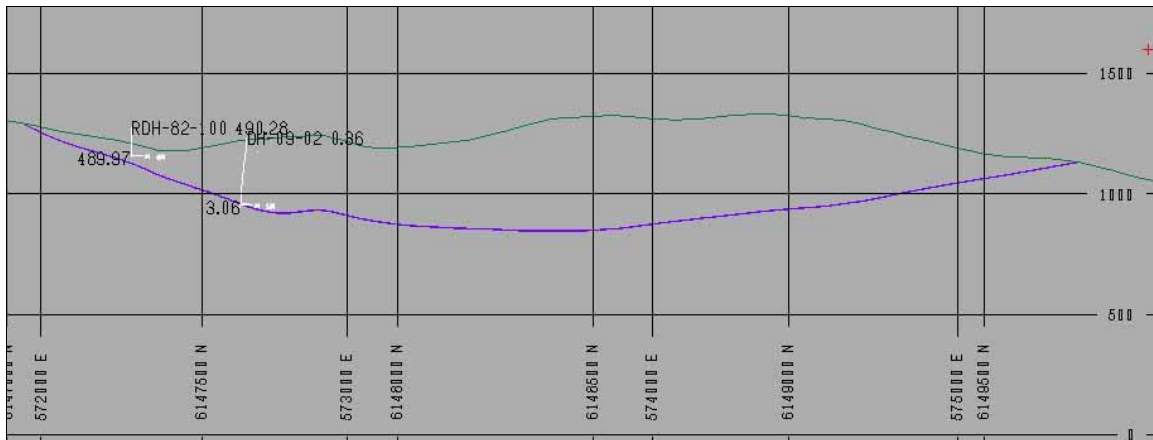


Figure 5-5 Cross-section 7; showing drillholes RDH82-100 and DH 09-02

(Seam C is in purple.)

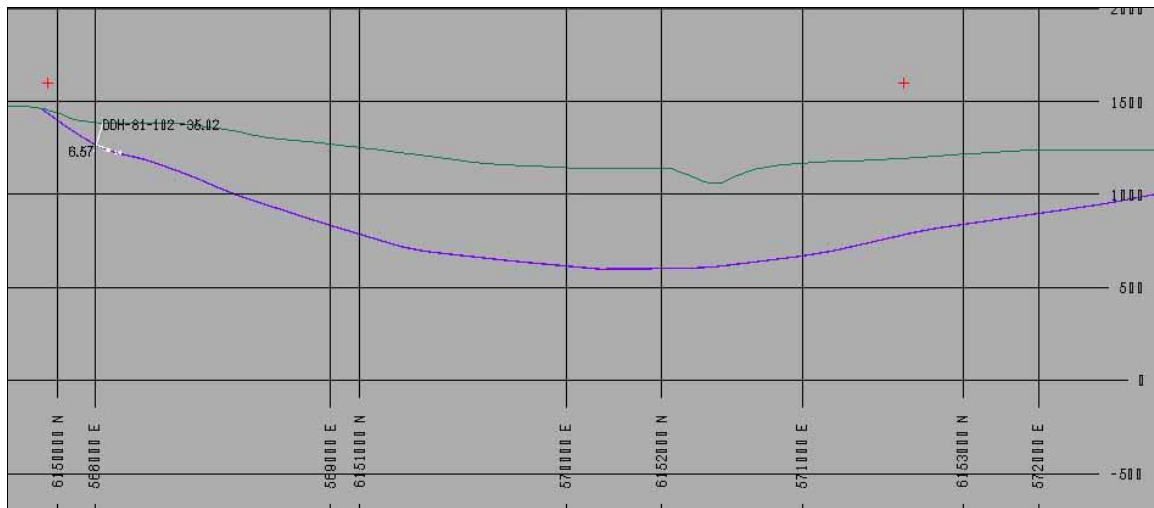


Figure 5-6 Cross-section 10; showing drillhole DDH81-102

(Seam C is in purple.)

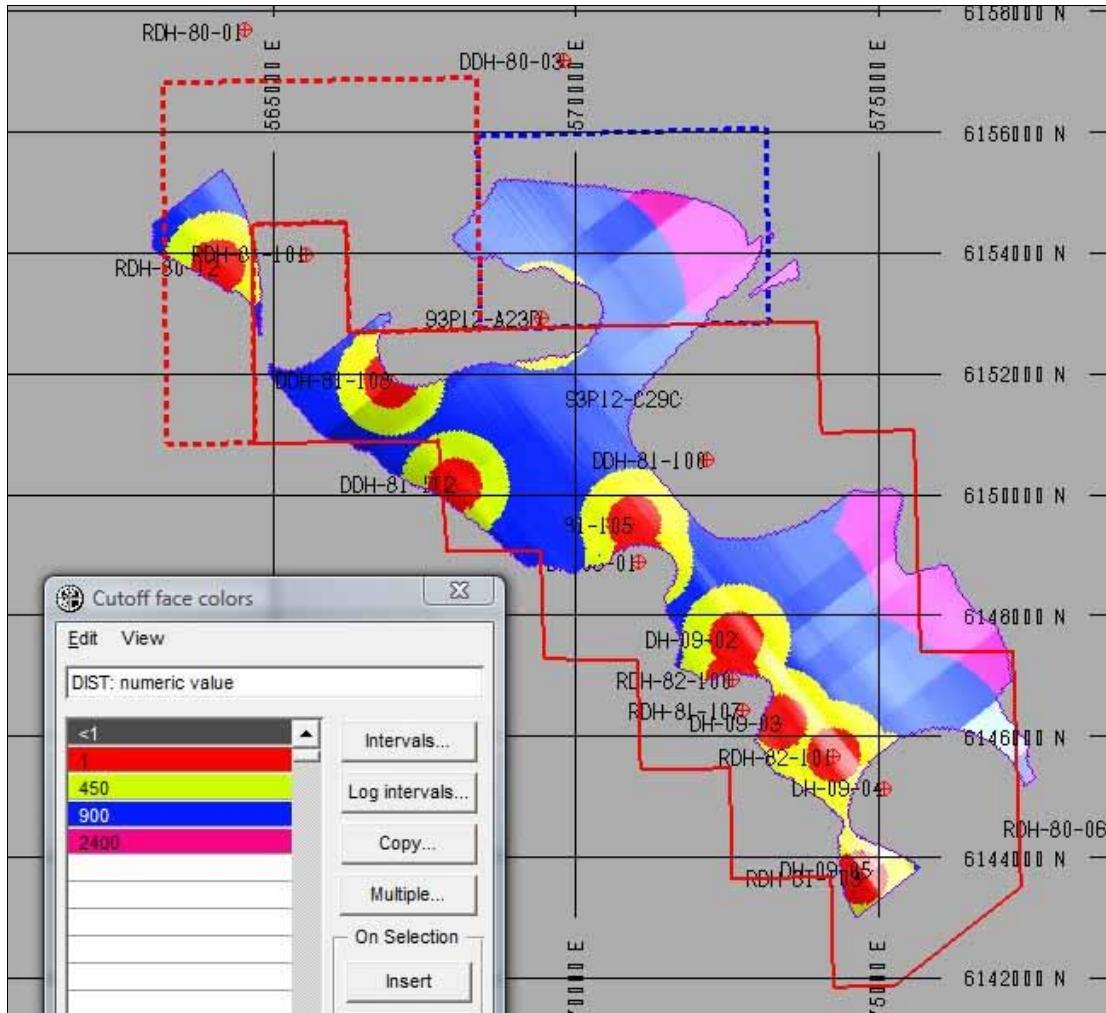


Figure 5-7 Trefi Project; Resource Classification of Seam C

(The red areas represent Measured resources, the yellow is Indicated, while the blue represents Inferred resources. The resources are further restricted in the drawing by true thickness of the seam (>1.5m) and depth of cover (<600m).)

CERTIFICATE AND SIGNATURE PAGES

CERTIFICATE OF QUALIFICATIONS: ROBERT J. MORRIS

I Robert J. Morris, Principal Geologist, Moose Mountain Technical Services hereby certify that:

1. This certificate applies to the assessment report titled *Summary Report on the Trefi Coal Project – 2008-2012 Exploration Program* dated 16 July 2014.
2. I am independent of the Panorama Coal Corp. and work as a consultant geologist.
3. That I graduated as a geologist from the University of British Columbia, Vancouver, with a degree of Bachelor of Science in 1973.
4. That I graduated as a geologist from Queen’s University, Kingston, Ontario, with a degree of Master of Science in 1978.
5. That I am a member in good standing of the Association of Professional Engineers and Geoscientists of the Province of British Columbia (registration #18,301).
6. That I have been involved in the mining and exploration projects since my graduation in 1973.
7. That I am familiar with the subject area from site visits in 2009 and 2012, and that I personally supervised the preparation of this report.

Dated this 16th day of July 2014; in Fernie, British Columbia

“Signed and Sealed”

R.J. Morris, M.Sc., P.Geo.

Appendix A Coal Quality

Overview

Gulf Canada completed nine core holes on the Trefi property between 1980 and 1982 during successive exploration campaigns. Analyses from this historic data were used for comparative purposes to the results acquired by MMTS in the 2009 drilling campaign.

There are only two core samples available from the 2009 MMTS drilling program. These are located proximal to locations drilled by Gulf Canada in 1981 and allow for direct comparison with the historical data. The total number of samples available (Gulf Canada, MMTS) is eleven; so, the laboratory results should be regarded as providing an “indicative” assessment of coal quality for the Trefi property.

The MMTS coal samples were processed at Elk Valley Environmental Services lab (EVES). Raw coal samples were analysed for dry ash content and FSI values. This was followed by float/sink analysis at 1.40 SG and 1.60 SG separation points to simulate a clean coal product and get an initial appreciation for washability performance.

The clean 1.60 SG coal samples were analysed for rheology, ash chemistry and petrographic composition to quantify their coke making potential.

Rheological tests are designed to quantify the plastic nature of the coal as it melts under high temperature. The Gieseler Fluidity test measures the melt state viscosity in dial divisions per minute (ddpm) while the Plastometer measures expansion and contraction of the heated sample to quantify expected pressure on a coke oven.

Ash Chemistry analysis quantifies the non-combustible elements present in the coal. As these will normally be retained in the hot metal or slag, their type and occurrence (particularly Phosphorous) is important to the steel maker.

Petrographic analysis sorts the microscopic components of coal (called macerals) into two main groups, including:

- The Reactive Macerals which melt when heated and,
- The Inert Macerals which do not melt

The analogy here is to concrete manufacturing. The reactive component is Portland cement which binds the inert aggregate material. It is the precise ratio of these components which provides strength. In coke making there is an optimum ratio of Reactives to Inerts which forms the strongest coke.

APPENDIX D

GEOPHYSICAL LOGS

COMPANY : TREFFI COAL CORP.

WELL : DH09-01

FIELD : UPPER HIGHHAT

COUNTRY : CANADA

PROVINCE : BRITISH COLUMBIA

LOCATION : UPPER HIGHHAT

SECTION : N/A

TOWNSHIP : N/A

RANGE : N/A

LICENCE NO. : N/A

UNIQUE WELL ID. :

PERMANENT DATUM : GL

LOG MEASURED FROM : GL

DRL MEASURED FROM : GL

DATE : 04/13/09

DEPTH DRILLER : 184.09

BIT SIZE : 13.97

LOG TOP : -0.91

LOG BOTTOM : 179.26

CASING LOGGER : 12.19

CASING DRILLER : 12.19

CASING TYPE : STEEL

BOREHOLE FLUID : WATER

RM TEMPERATURE : N/A

MUD RES : N/A

MUD WEIGHT : 1.00

WITNESSED BY : T. NEAL

RECORDED BY : VERTICAL

REMARKS 1 :

REMARKS 2 :

OTHER SERVICES:
NEUTRON

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS

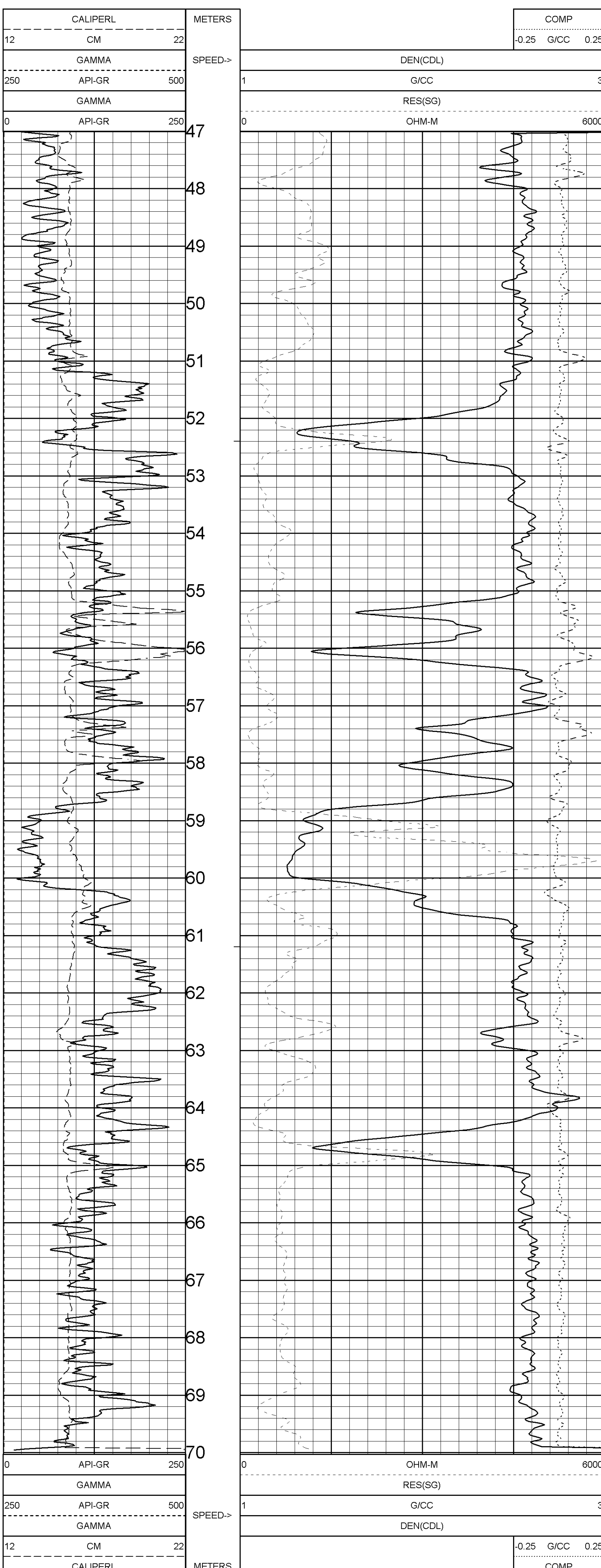
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LOG PARAMETERS

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MAGNETIC DECL : 19.9
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NEUTRON MATRIX : SANDSTONE
ELECT. CUTOFF : 99999

MATRIX DELTA T : 177
BIT SIZE : 13.97
VERSION = 3.64HE



1:50 BULK DENSITY DH09-01 04/13/09

LOG PARAMETERS

MATRIX DENSITY : 2.65
MAGNETIC DECL : 19.9
PRESENTATION NAME/DATE = 9139C EXPANDED.0 03/20/2008

NEUTRON MATRIX : SANDSTONE
ELECT. CUTOFF : 99999

MATRIX DELTA T : 177
BIT SIZE : 13.97
VERSION = 3.64HE

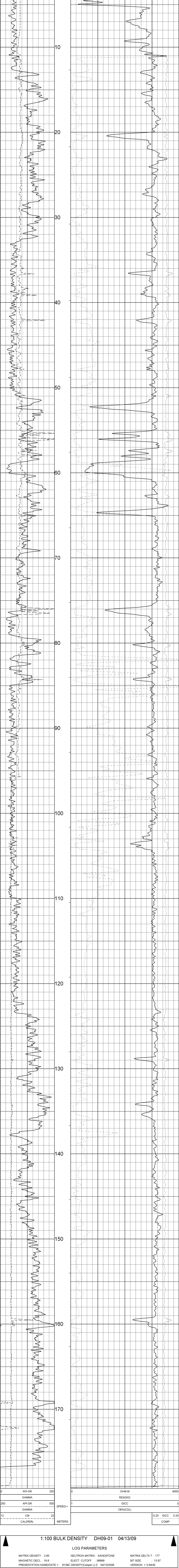
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TOOL 9239C1 TM VERSION 2021					
SERIAL NUMBER 4416					
DATE	TIME	SENSOR	STANDARD	RESPONSE	
1	Mar22,09 17:50:57	GAMMA	0.000 [API-GR]	20.000 [CPS]	
	Mar22,09 17:50:57	GAMMA	250.000 [API-GR]	278.000 [CPS]	
2	Mar22,09 17:51:32	VOLTAGE	30.450 [MV]	6482.000 [CPS]	
	Mar22,09 17:51:32	VOLTAGE	232.800 [MV]	33790.000 [CPS]	
3	Mar22,09 17:52:18	CALIPER	8.900 [CM]	143340.000 [CPS]	
	Mar22,09 17:52:18	CALIPER	21.000 [CM]	425662.000 [CPS]	
4	Mar22,09 17:53:03	DEN(LS)	1.000 [G/CC]	26210.000 [CPS]	
	Mar22,09 17:53:03	DEN(LS)	2.323 [G/CC]	2550.000 [CPS]	
5	Mar22,09 17:53:32	DEN(SS)	1.000 [G/CC]	51170.000 [CPS]	
	Mar22,09 17:53:32	DEN(SS)	2.323 [G/CC]	18080.000 [CPS]	
6	Apr11,09 11:47:49	CALIPERL	7.620 [CM]	108900.000 [CPS]	
	Apr11,09 11:47:49	CALIPERL	20.000 [CM]	238606.000 [CPS]	
7	Mar22,09 17:55:23	CURRENT	30.500 [UA]	5796.200 [CPS]	
	Mar22,09 17:55:23	CURRENT	232.800 [UA]	22880.000 [CPS]	
8	Mar22,09 17:50:18	F	Default [CPS]		
9	Mar22,09 17:50:18	X	Default [CPS]		

COMPANY	THET COAL CORP	OTHER SERVICES	NEUTRON
WELL	DH09-01		
FIELD	UPPER HIGHHAT		
COUNTRY	CANADA		
PROVINCE	BRITISH COLUMBIA		
LOCATION	UPPER HIGHHAT		
SECTION	N/A		
TOWNSHIP	N/A		
RANGE	N/A		
LCENCE NO.	N/A		
JUNIOLE WELL ID			
PERMANENT DATUM	SL	ELEVATION RB	N/A
LOG MEASURED FROM GL		ELEVATION DF	N/A
DEL MEASURED FROM GL		ELEVATION QL	N/A
DATE	04/13/09	RIG NUMBER	
DEPTH DRILLER	18109	LOGGER ID	
BIT SIZE	13.97	ARRIVAL TIME	
LOG TOP	-0.91	DEPARTURE TIME	
LOG BOTTOM	-12.19	CIRC STOPPED	N/A
CASING LOGGER	-12.19		
CASING DRILLER	12.19		
CASING TYPE	STEEL		
BOREHOLE FLUID	WATER		
ROI TEMPERATURE	N/A		
MUD RES	N/A		
MUD WEIGHT	1.00		
RECORDED BY	J. NEAL		
WITNESSED BY	VERTICAL		
REMARKS 1			
REMARKS 2			

1:100 BULK DENSITY DH09-01 04/13/09

LOG PARAMETERS

MATRIX DENSITY : 2.65	NEUTRON MATRIX : SANDSTONE	MATRIX DELTA T : 177
MAGNETIC DECL : 19.9	ELECT. CUTOFF : 99999	BIT SIZE : 13.97
PRESENTATION NAME/DATE = 9139C DENSITY(Caliper L) 0 04/13/2009		VERSION = 3.64HE



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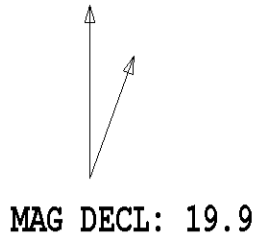
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PRESENTATION NAME/DATE = 9139C DENSITY(Caliper L) 0 04/13/2009		VERSION = 3.64HE

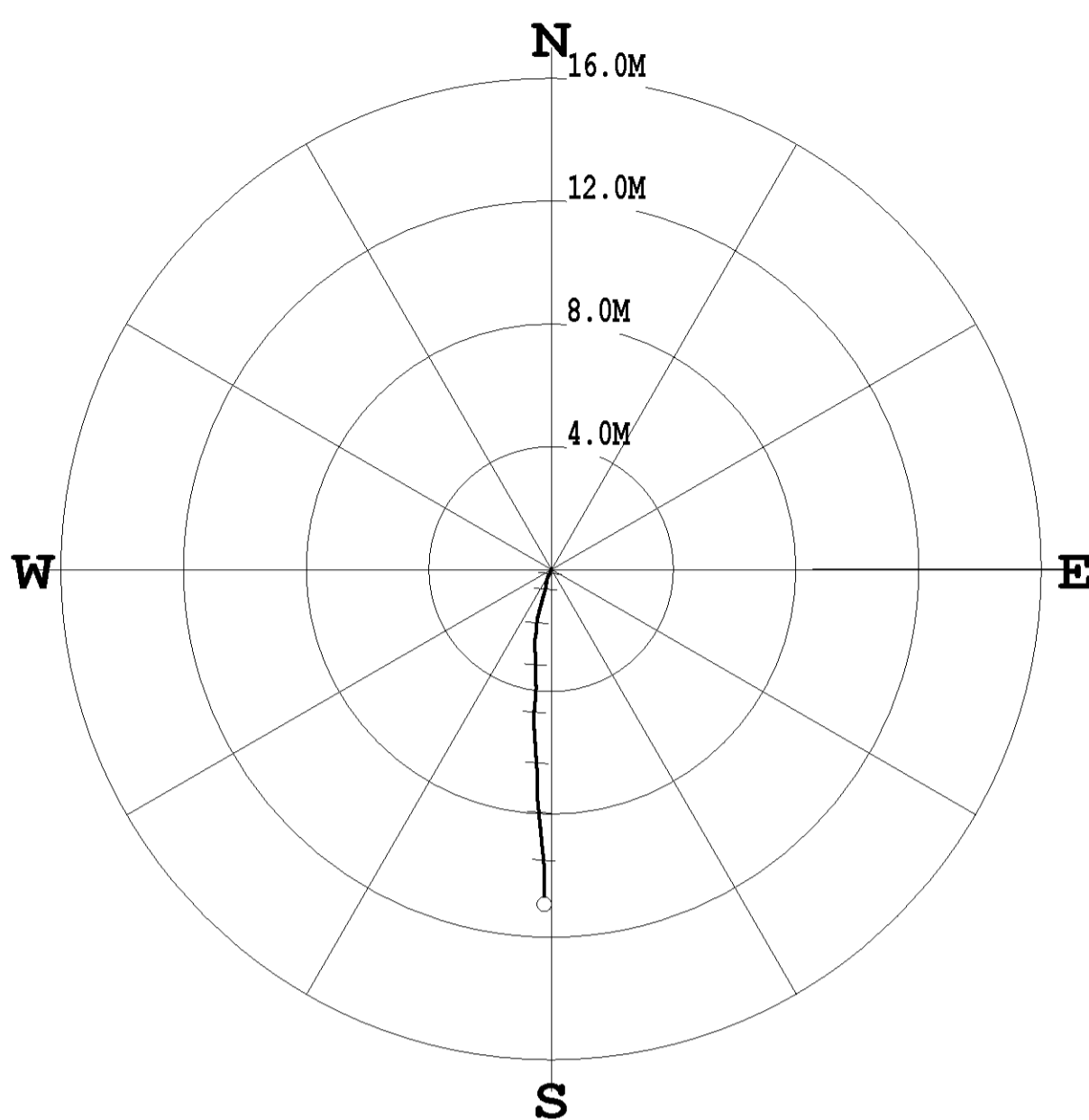
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2	Mar22.09 17:50:57	GAMMA	250.000 [API-GR]	278.000 [CPS]
3	Mar22.09 17:51:32	VOLTAGE	30.450 [MV]	6482.000 [CPS]
4	Mar22.09 17:51:32	VOLTAGE	232.800 [MV]	33790.000 [CPS]
5	Mar22.09 17:52:18	CALIPER	8.900 [CM]	143340.000 [CPS]
6	Mar22.09 17:52:18	CALIPER	21.000 [CM]	425662.000 [CPS]
7	Mar22.09 17:53:03	DEN(LS)	1.000 [G/CC]	28210.000 [CPS]
8	Mar22.09 17:53:03	DEN(LS)	2.323 [G/CC]	2550.000 [CPS]
9	Mar22.09 17:53:32	DEN(SS)	1.000 [G/CC]	51170.000 [CPS]
10	Mar22.09 17:53:32	DEN(SS)	2.323 [G/CC]	18080.000 [CPS]
11	Apr11.09 11:47:49	CALPERL	7.620 [CM]	108800.000 [CPS]
12	Apr11.09 11:47:49	CALPERL	20.000 [CM]	238608.000 [CPS]
13	Mar22.09 17:55:23	CURRENT	30.500 [UA]	5706.200 [CPS]
14	Mar22.09 17:55:23	CURRENT	232.800 [UA]	22880.000 [CPS]
15	Mar22.09 17:50:18	F	Default [CPS]	
16	Mar22.09 17:50:18	X	Default [CPS]	

PLAN VIEW COMPU-LOG DEVIATION

CLIENT: TREFI COAL CORP.
 LOCATION: UPPER HIGHHAT
 HOLE ID: DH09-01
 DATE OF LOG: 04/13/09
 PROBE: 9057A 4565



SCALE: 2 M/CM
 TRUE DEPTH: 178.73 M
 AZIMUTH: 181.1
 DISTANCE: 10.9 M
 + = 20 M INCR
 ○ = BOTTOM OF HOLE



* * * * * COMPU-LOG - VERTICAL DEVIATION * * * * *

CLIENT : TREFI COAL CORP. HOLE ID. : DH09-01
 FIELD OFFICE : CENTURY GEO DATE OF LOG : 04/13/09
 DATA FROM : N/A PROBE : 9057A , 4565
 MAG. DECL. : 19.900 DEPTH UNITS : METERS
 LOG: DH09-01_04-13-09_13-25_9057A_02_-1.73_179.30_DEVI.log

CABLE DEPTH	TRUE DEPTH	NORTH DEV.	EAST DEV.	DISTANCE	AZIMUTH	SANG	SANGB
14.00	14.01	-0.00	-0.00	0.0	210.2	1.5	192.7
16.00	16.01	-0.04	-0.02	0.0	204.7	0.9	234.0
18.00	18.01	-0.09	-0.04	0.1	204.1	1.4	237.2
20.00	20.01	-0.13	-0.06	0.1	204.1	1.6	220.7
22.00	22.01	-0.17	-0.08	0.2	205.1	1.6	202.3
24.00	24.01	-0.20	-0.10	0.2	205.7	0.6	195.1
26.00	26.01	-0.24	-0.12	0.3	206.3	1.1	231.5
28.00	28.01	-0.28	-0.13	0.3	205.7	1.2	201.6
30.00	30.01	-0.32	-0.15	0.4	204.6	1.4	174.8
32.00	32.01	-0.37	-0.16	0.4	203.0	1.0	190.3
34.00	34.00	-0.42	-0.16	0.5	201.2	1.5	185.4
36.00	36.00	-0.49	-0.17	0.5	199.5	1.8	188.7
38.00	38.00	-0.55	-0.18	0.6	198.3	2.4	194.6
40.00	40.00	-0.64	-0.20	0.7	197.8	2.6	196.8
42.00	42.00	-0.73	-0.22	0.8	197.2	2.7	194.1
44.00	44.00	-0.82	-0.25	0.9	197.0	2.6	203.9
46.00	45.99	-0.91	-0.28	1.0	197.3	2.7	182.9
48.00	47.99	-1.02	-0.31	1.1	196.7	3.3	195.0
50.00	49.99	-1.13	-0.34	1.2	196.6	3.2	196.3
52.00	51.98	-1.23	-0.37	1.3	196.7	3.4	190.1
54.00	53.98	-1.35	-0.40	1.4	196.4	3.6	192.4
56.00	55.98	-1.47	-0.43	1.5	196.1	3.9	201.6
58.00	57.97	-1.60	-0.46	1.7	195.9	3.8	191.5
60.00	59.97	-1.73	-0.48	1.8	195.4	3.8	188.9
62.00	61.96	-1.86	-0.49	1.9	194.8	3.5	186.7
64.00	63.96	-1.99	-0.50	2.1	194.1	3.6	184.4
66.00	65.96	-2.11	-0.51	2.2	193.5	3.9	192.7
68.00	67.95	-2.24	-0.53	2.3	193.4	3.6	190.9
70.00	69.95	-2.36	-0.55	2.4	193.1	3.6	181.4
72.00	71.94	-2.50	-0.55	2.6	192.3	4.2	180.1
74.00	73.94	-2.64	-0.54	2.7	191.5	4.1	176.1
76.00	75.93	-2.79	-0.52	2.8	190.7	4.4	172.6
78.00	77.93	-2.94	-0.52	3.0	190.0	4.4	182.6
80.00	79.92	-3.09	-0.52	3.1	189.6	4.4	178.6
82.00	81.91	-3.25	-0.52	3.3	189.1	4.3	177.5
84.00	83.91	-3.40	-0.52	3.4	188.6	4.2	179.1
86.00	85.90	-3.55	-0.51	3.6	188.2	4.1	177.4
88.00	87.90	-3.70	-0.51	3.7	187.8	4.3	178.4
90.00	89.89	-3.85	-0.50	3.9	187.4	4.0	186.4
92.00	91.89	-3.99	-0.51	4.0	187.3	4.0	187.3
94.00	93.88	-4.14	-0.52	4.2	187.2	4.7	183.2
96.00	95.87	-4.31	-0.53	4.3	187.1	4.9	184.2
98.00	97.87	-4.47	-0.55	4.5	187.0	4.6	186.1
100.00	99.86	-4.63	-0.56	4.7	186.9	4.7	184.5
102.00	101.85	-4.80	-0.57	4.8	186.8	4.9	181.0
104.00	103.85	-4.97	-0.57	5.0	186.6	5.1	164.0
106.00	105.84	-5.14	-0.56	5.2	186.3	4.6	178.5
108.00	107.83	-5.30	-0.55	5.3	186.0	4.6	177.3
110.00	109.83	-5.46	-0.54	5.5	185.7	4.7	176.4
112.00	111.82	-5.62	-0.53	5.6	185.4	4.8	175.5
114.00	113.81	-5.79	-0.52	5.8	185.2	4.7	175.6
116.00	115.81	-5.95	-0.51	6.0	184.9	4.7	176.6
118.00	117.80	-6.12	-0.50	6.1	184.7	4.7	176.3
120.00	119.79	-6.28	-0.49	6.3	184.5	4.7	176.8
122.00	121.79	-6.44	-0.48	6.5	184.3	4.7	175.5
124.00	123.78	-6.61	-0.47	6.6	184.0	4.6	176.2
126.00	125.77	-6.77	-0.46	6.8	183.9	4.5	171.0
128.00	127.77	-6.93	-0.46	6.9	183.8	4.5	181.9
130.00	129.76	-7.08	-0.46	7.1	183.8	4.4	180.0
132.00	131.75	-7.24	-0.47	7.3	183.7	4.7	188.5
134.00	133.75	-7.40	-0.46	7.4	183.6	4.7	175.8
136.00	135.74	-7.57	-0.45	7.6	183.4	4.7	174.9
138.00	137.73	-7.72	-0.43	7.7	183.2	4.6	173.1
140.00	139.73	-7.88	-0.42	7.9	183.0	4.6	174.6
142.00	141.72	-8.04	-0.40	8.1	182.8	4.5	174.6
144.00	143.71	-8.20	-0.39	8.2	182.7	4.7	174.8
146.00	145.71	-8.36	-0.37	8.4	182.5	4.4	174.3
148.00	147.70	-8.52	-0.36	8.5	182.4	4.4	174.4
150.00	149.70	-8.67	-0.34	8.7	182.2	4.5	174.8
152.00	151.69	-8.83	-0.32	8.8	182.1	4.5	175.4
154.00	153.68	-8.98	-0.31	9.0	182.0	4.5	174.5
156.00	155.68	-9.14	-0.29	9.1	181.8	4.4	174.3
158.00	157.67	-9.29	-0.28	9.3	181.7	4.4	174.2
160.00	159.67	-9.45	-0.26	9.4	181.6	4.5	174.2
162.00	161.66	-9.60	-0.25	9.6	181.5	4.3	176.7
164.00	163.65	-9.75	-0.24	9.8	181.4	4.2	179.6
166.00	165.65	-9.90	-0.24	9.9	181.4	4.2	180.9
168.00	167.64	-10.04	-0.24	10.0	181.4	4.3	183.3
170.00	169.64	-10.20	-0.25	10.2	181.4	4.5	179.2
172.00	171.63	-10.36	-0.24	10.4	181.3	4.7	179.9
174.00	173.62	-10.52	-0.24	10.5	181.3	4.6	178.7
176.00	175.62	-10.68	-0.23	10.7	181.3	4.7	179.1
178.00	177.61	-10.84	-0.22	10.8	181.2	4.3	174.5
179.12	178.73	-10.92	-0.22	10.9	181.1	4.2	180.0

COMPANY : TREB COAL CORP.
WELL : DH09-01
FIELD : UPPER HIGHHAT
COUNTRY : CANADA
PROVINCE : BRITISH COLUMBIA

OTHER SERVICES:
NEUTRON

LOCATION : UPPER HIGHHAT
SECTION : N/A
TOWNSHIP : N/A
RANGE : N/A
LICENCE NO. : N/A
UNIQUE WELL ID :

PERMANENT DATUM : N/A
LOG MEASURED FROM : N/A
DPL MEASURED FROM : N/A
ELEVATION OF : N/A
ELEVATION OF : N/A

DATE : 04/13/09
DEPTH DRILLER : 184.09
BIT SIZE : 13.97

LOG TOP : -1.97
LOG BOTTOM : 179.22
CASING LOGGER : 12.19
CASING DRILLER : 12.19

CASING TYPE : STEEL
BORING FLUID : WATER
MUD RES : N/A
MUD WEIGHT : 1.00

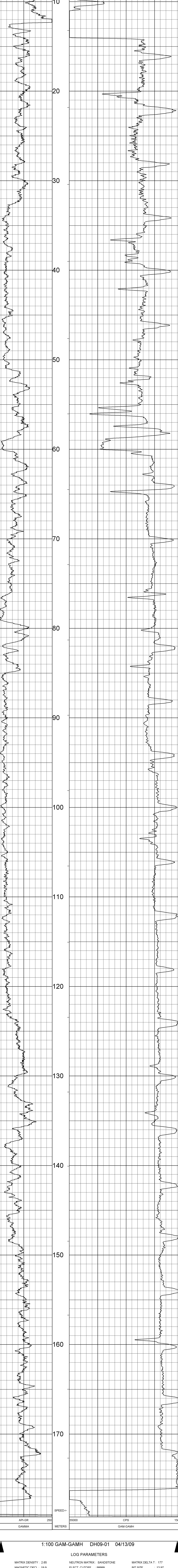
WITNESSED BY : J. NEAL
RECORDED BY : J. NEAL
REMARKS 1 : VERTICAL
REMARKS 2 :

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS

1:100 GAM-GAMH DH09-01 04/13/09

LOG PARAMETERS

MATRIX DENSITY : 2.65 NEUTRON MATRIX : SANDSTONE MATRIX DELTA T : 177
MAGNETIC DECL : 19.9 ELECT. CUTOFF : 99999 BIT SIZE : 13.97
PRESENTATION NAME/DATE = 9068 GAMMA-GAMMA 0 10/12/2007 VERSION = 3.64HE



1:100 GAM-GAMH DH09-01 04/13/09

LOG PARAMETERS

MATRIX DENSITY : 2.65 NEUTRON MATRIX : SANDSTONE MATRIX DELTA T : 177
MAGNETIC DECL : 19.9 ELECT. CUTOFF : 99999 BIT SIZE : 13.97
PRESENTATION NAME/DATE = 9068 GAMMA-GAMMA 0 10/12/2007 VERSION = 3.64HE

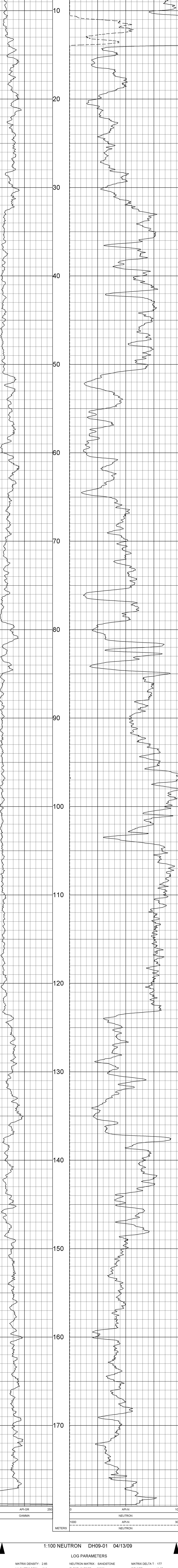
TOOL CALIBRATION	DH09-01 04/13/09 09:58					
TOOL	9068A	TM VERSION	1			
SERIAL NUMBER	643					
DATE	TIME	SENSOR	STANDARD		RESPONSE	
Jun28,04	18,14,02	GAMMA	3,000	[API-GR]	1,000	[CPS]
Jun28,04	18,14,02	GAMMA	265,000	[API-GR]	81,000	[CPS]

COMPANY	TRENT COAL CORP.	OTHER SERVICES	
WELL	DH09-01	DENSITY	
FIELD	UPPER HIGHHAT		
COUNTRY	CANADA		
PROVINCE	BREITEN-COLUMBIA		
LOCATION	UPPER HIGHHAT		
SECTION	N/A		
TOWNSHIP	N/A		
RANGE	N/A		
LICENCE NO.	N/A		
UNIQUE WELL ID.			
PERMANENT DATUM	53	ELEVATION MB	N/A
LOG MEASURED FROM GL		ELEVATION DF	N/A
DLI MEASURED FROM GL		ELEVATION OL	N/A
DATE	04/13/09	RIG NUMBER	
DEPTH DRILLER	18.49	LOGGER TD	
BIT SIZE	13.97	ARRIVAL TIME	
LOG TOP	-1.73	DEPARTURE TIME	
LOG BOTTOM	-178.10	CIRC STOPPED	N/A
CASING DRILLER	12.19		
CASING LOGGER	12.19		
CASING TYPE	STEEL		
BOREHOLE FLUID	WATER		
BOREHOLE FLUID	N/A		
MUD RES	N/A		
MUD WEIGHT	1.00		
WITNESSED BY	J. NEAL		
RECORDED BY	VERTICAL		
REMARKS 1			
REMARKS 2			

1:100 NEUTRON DH09-01 04/13/09

LOG PARAMETERS

MATRIX DENSITY : 2.65	NEUTRON MATRIX : SANDSTONE	MATRIX DELTA T : 177
MAGNETIC DECL : 19.9	ELECT. CUTOFF : 99999	BIT SIZE : 13.97
PRESENTATION NAME/DATE = 9067 IN PIPE GAMMA-NEUTRON.0 10/12/2007		VERSION = 3.64HE



1:100 NEUTRON DH09-01 04/13/09

LOG PARAMETERS

MATRIX DENSITY : 2.65	NEUTRON MATRIX : SANDSTONE	MATRIX DELTA T : 177
MAGNETIC DECL : 19.9	ELECT. CUTOFF : 99999	BIT SIZE : 13.97
PRESENTATION NAME/DATE = 9067 IN PIPE GAMMA-NEUTRON.0 10/12/2007		VERSION = 3.64HE

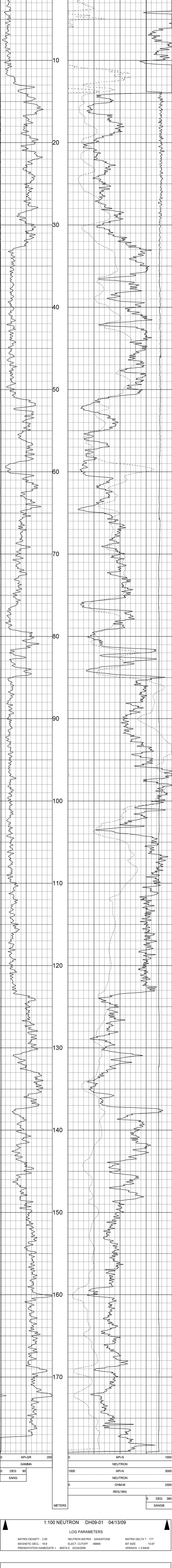
TOOL CALIBRATION DH09-01 04/13/09 10:34			
TOOL 9067A TM VERSION 1			
SERIAL NUMBER 529			
DATE	TIME	SENSOR	STANDARD
1	Mar01.02 14:09:58	GAMMA	Default [CPS]
2	Mar01.02 14:09:58	GAMMA	105,000 [API-GR]
1	Feb22.06 08:07:12	NEUTRON	Default [CPS]
2	Feb22.06 08:07:12	NEUTRON	Default [CPS]

COMPANY	TEBET COAL CORP	OTHER SERVICES	
WELL	DH09-01	DENSITY	
FIELD	UPPER HIGHHAT		
COUNTRY	CANADA		
PROVINCE	BRITISH COLUMBIA		
LOCATION	UPPER HIGHHAT		
SECTION	N/A		
TOWNSHIP	N/A		
RANGE	N/A		
LICENCE NO.	N/A		
UNIQUE WELL ID.			
PERMAMENT DATA	GL	ELEVATION RB	N/A
LOG MEASURED FROM GL		ELEVATION DF	N/A
DRIL MEASURED FROM GL		ELEVATION DI	N/A
DATE	04/13/09	RIG NUMBER	
DEPTH DRILLER	18109	LOGGER TD	
BIT SIZE	13.97	ARRIVAL TIME	
LOG TOP	-173	DEPARTURE TIME	N/A
LOG BOTTOM	-121.9	CIRC STOPPED	N/A
CASING DRILLER	121.9		
CASING TYPE	STEEL		
BOREHOLE FLUID	WATER		
ROI TEMPERATURE	N/A		
MUD RES	1.00		
MUD WEIGHT	N/A		
WITNESSED BY	T. NEAL		
RECORDED BY	VERTICAL		
REMARKS 1			
REMARKS 2			

1:100 NEUTRON DH09-01 04/13/09

LOG PARAMETERS

MATRIX DENSITY : 2.65 NEUTRON MATRIX : SANDSTONE MATRIX DELTA T : 177
 MAGNETIC DECL : 19.9 ELECT. CUTOFF : 99999 BIT SIZE : 13.97
 PRESENTATION NAME/DATE = 9057A.0 02/24/2008 VERSION = 3.64HE



1:100 NEUTRON DH09-01 04/13/09

LOG PARAMETERS

MATRIX DENSITY : 2.65 NEUTRON MATRIX : SANDSTONE MATRIX DELTA T : 177
 MAGNETIC DECL : 19.9 ELECT. CUTOFF : 99999 BIT SIZE : 13.97
 PRESENTATION NAME/DATE = 9057A.0 02/24/2008 VERSION = 3.64HE

DATE	TIME	SENSOR	STANDARD	RESPONSE
1	May13,08 11:51:18	GAMMA	0.000 [API-GR]	4.000 [CPS]
	May13,08 11:51:18	GAMMA	330.000 [API-GR]	316.000 [CPS]
2	Apr17,08 09:32:11	NEUTROI	Default [CPS]	Default [CPS]
	Apr17,08 09:32:11	NEUTROI	Default [CPS]	Default [CPS]
3	May13,08 11:46:00	SP	0.000 [MV]	320190.000 [CPS]
	May13,08 11:46:00	SP	349.000 [MV]	149150.000 [CPS]
4	May13,08 14:09:51	RES(16N)	0.000 [OHM-M]	4158.000 [CPS]
	May13,08 14:09:51	RES(16N)	1953.000 [OHM-M]	422983.000 [CPS]
5	May13,08 14:09:08	RES(64N)	0.000 [OHM-M]	3135.000 [CPS]
	May13,08 14:09:08	RES(64N)	1990.000 [OHM-M]	425737.000 [CPS]
6	Feb24,09 10:19:14	TEMP	12.830 [DEG F]	346522.000 [CPS]
	May13,08 11:44:50	TEMP	32.940 [DEG F]	4217.000 [CPS]
7	May13,08 11:44:50	RES	0.000 [OHM]	161475.000 [CPS]
	May13,08 11:44:50	RES	943.000 [OHM]	161475.000 [CPS]

TOOL CALIBRATION DH09-01 04/13/09 13:25
 TOOL 9057A TM VERSION 2
 SERIAL NUMBER 4565

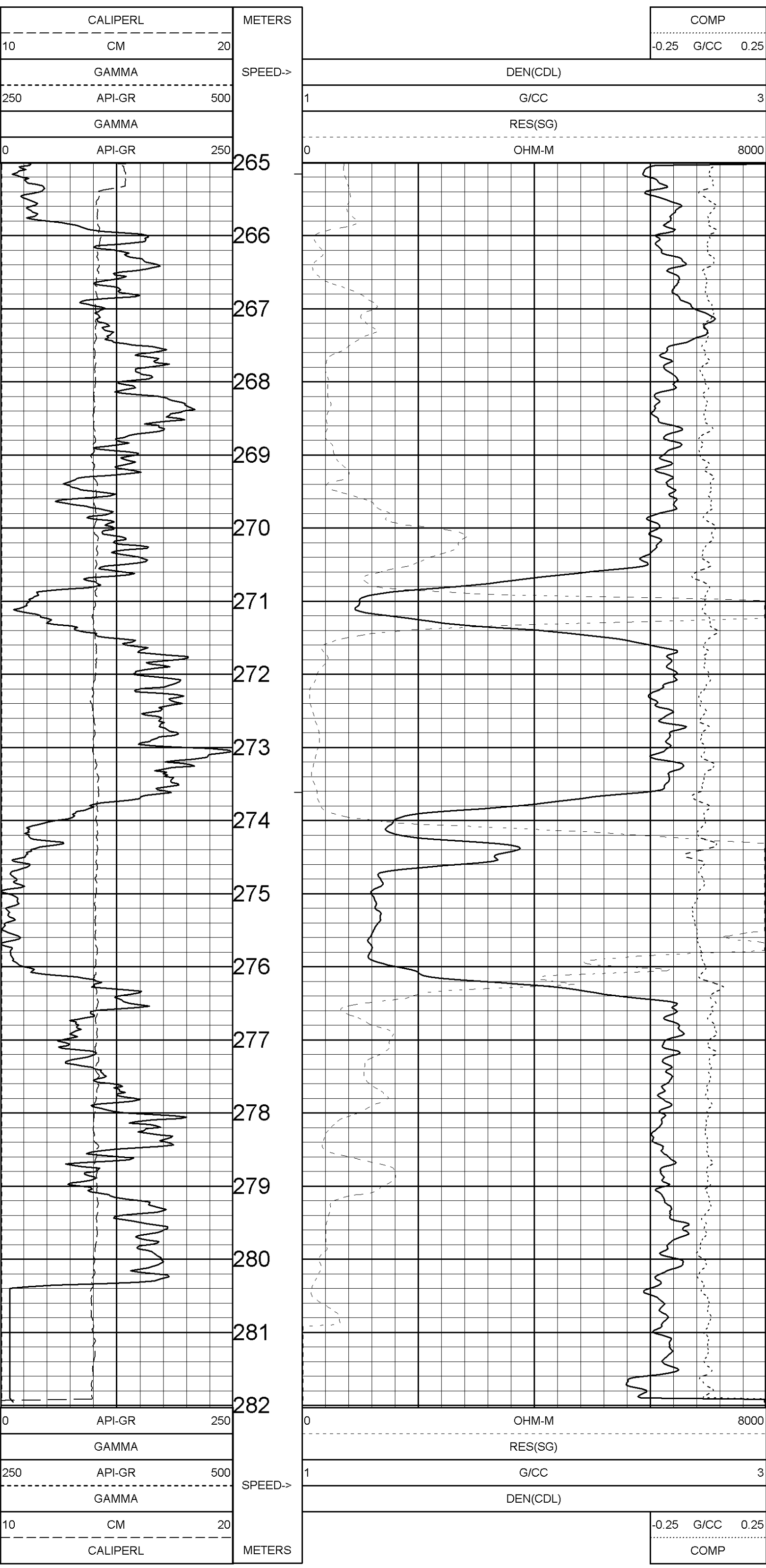
ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS

COMPANY	TREFFI COAL CORP.	OTHER SERVICES:	NEUTRON
WELL	DH09-02		
FIELD	UPPER HIGHHAT		
COUNTRY	CANADA		
PROVINCE	BRITISH COLUMBIA		
LOCATION	UPPER HIGHHAT		
SECTION	N/A		
TOWNSHIP	N/A		
RANGE	N/A		
LICENCE NO.	N/A		
UNIQUE WELL ID.			
PERMANENT DATUM	GL	ELEVATION KB	N/A
LOG MEASURED FROM	GL	ELEVATION DF	N/A
DRL MEASURED FROM	GL	ELEVATION GL	N/A
DATE	04/16/09	RIG NUMBER	
DEPTH DRILLER	288.95	LOGGER TD	
BIT SIZE	13.97	ARRIVAL TIME	
LOG TOP	-0.68	DEPARTURE TIME:	
LOG BOTTOM	282.92	CIRC STOPPED	N/A
CASING LOGGER	4.57		
CASING DRILLER	4.57		
CASING TYPE	STEEL		
BOREHOLE FLUID	WATER		
RM TEMPERATURE	N/A		
MUD RES	N/A		
MUD WEIGHT	1.00		
WITNESSED BY			
RECORDED BY	J. NEAL		
REMARKS 1	VERTICAL		
REMARKS 2			

1:50 BULK DENSITY DH09-02 04/16/09

LOG PARAMETERS

MATRIX DENSITY : 2.65	NEUTRON MATRIX : SANDSTONE	MATRIX DELTA T : 177
MAGNETIC DECL : 19.9	ELECT. CUTOFF : 99999	BIT SIZE : 13.97
PRESENTATION NAME/DATE = 9139C EXPANDED(Caliper L).0 04/13/2009		VERSION = 3.64HE



1:50 BULK DENSITY DH09-02 04/16/09

LOG PARAMETERS

MATRIX DENSITY : 2.65	NEUTRON MATRIX : SANDSTONE	MATRIX DELTA T : 177
MAGNETIC DECL : 19.9	ELECT. CUTOFF : 99999	BIT SIZE : 13.97
PRESENTATION NAME/DATE = 9139C EXPANDED(Caliper L).0 04/13/2009		VERSION = 3.64HE

TOOL CALIBRATION DH09-02 04/16/09 16:46
 TOOL 9239C1 TM VERSION 2021
 SERIAL NUMBER 4416

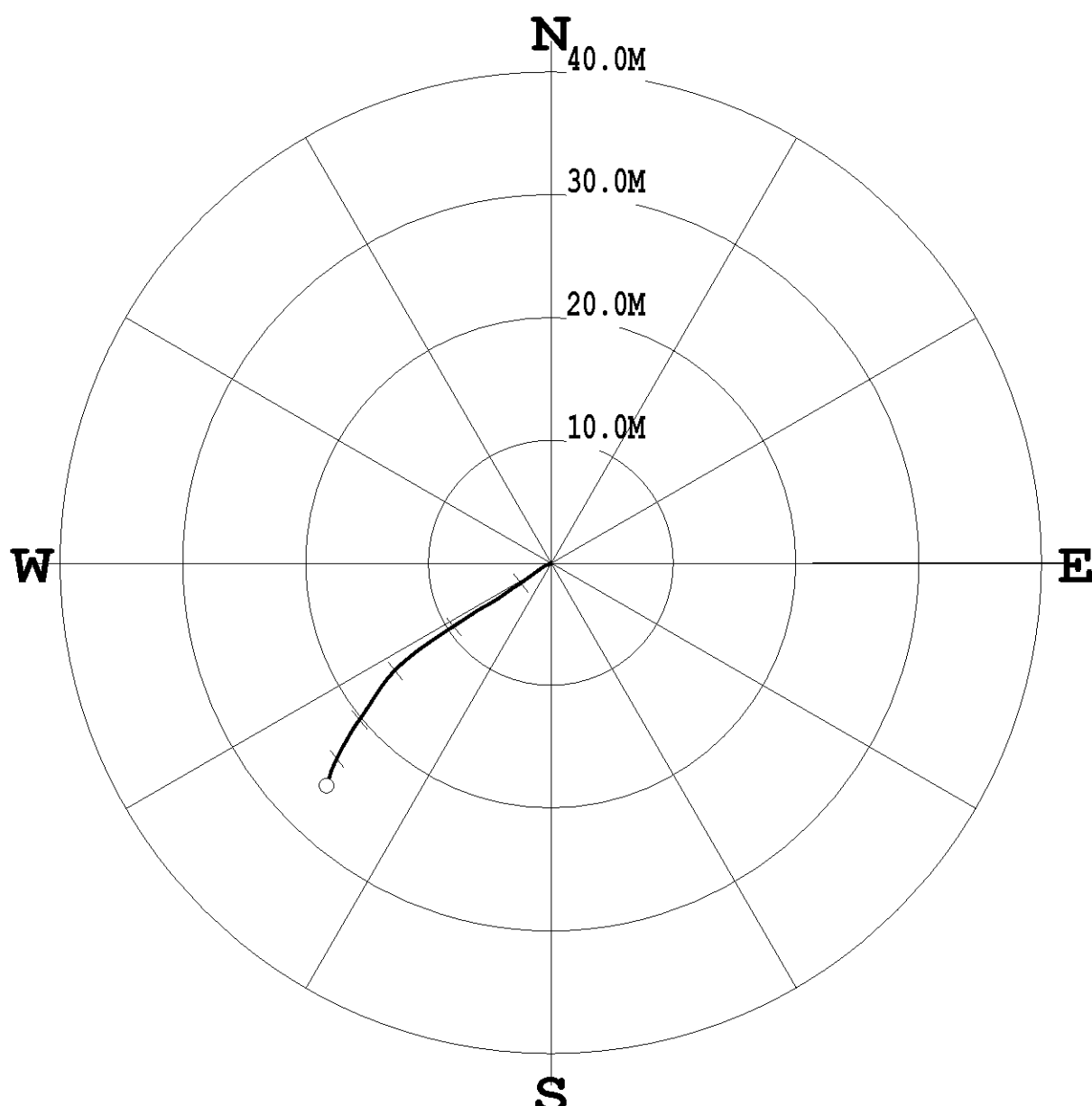
DATE	TIME	SENSOR	STANDARD	RESPONSE
1	Mar22,09 17:50:57	GAMMA	0.000 [API-GR]	20.000 [CPS]
2	Mar22,09 17:51:32	VOLTAGE	30.450 [MV]	6482.000 [CPS]
3	Mar22,09 17:51:32	VOLTAGE	232.800 [MV]	33790.000 [CPS]
4	Mar22,09 17:52:18	CALIPER	8.900 [CM]	143340.000 [CPS]
5	Mar22,09 17:53:03	DEN(LS)	1.000 [G/CC]	26210.000 [CPS]
6	Mar22,09 17:53:32	DEN(SS)	2.323 [G/CC]	2550.000 [CPS]
7	Mar22,09 17:53:32	DEN(SS)	2.323 [G/CC]	51170.000 [CPS]
8	Mar22,09 17:53:32	DEN(SS)	2.323 [G/CC]	18080.000 [CPS]
9	Apr11,09 11:47:49	CALIPERL	7.620 [CM]	108900.000 [CPS]
10	Mar22,09 17:55:23	CURRENT	20.000 [CM]	238606.000 [CPS]
11	Mar22,09 17:55:23	CURRENT	30.500 [UA]	5796.200 [CPS]
12	Mar22,09 17:55:23	CURRENT	232.800 [UA]	22880.000 [CPS]
13	Mar22,09 17:50:18	F	Default [CPS]	
14	Mar22,09 17:50:18	X	Default [CPS]	

PLAN VIEW COMPU-LOG DEVIATION

CLIENT: TREFFI COAL CORP.
 LOCATION: UPPER HIGHHAT
 HOLE ID: DH09-02
 DATE OF LOG: 04/16/09
 PROBE: 9057A 4565

SCALE: 5 M/CM
 TRUE DEPTH: 281.41 M
 AZIMUTH: 225.2
 DISTANCE: 25.8 M
 + = 50 M INCR
 ○ = BOTTOM OF HOLE

MAG DECL: 19.9



* * * * * COMPU-LOG - VERTICAL DEVIATION * * * * *

CLIENT : TREFFI COAL CORP.	HOLE ID. : DH09-02
FIELD OFFICE : CENTURY GEO	DATE OF LOG : 04/16/09
DATA FROM : N/A	PROBE : 9057A , 4565
MAG. DECL. : 19.900	DEPTH UNITS : METERS
LOG: DH09-02_04-16-09_15-51_9057A_.02_3.82_282.96_DEVI.log	

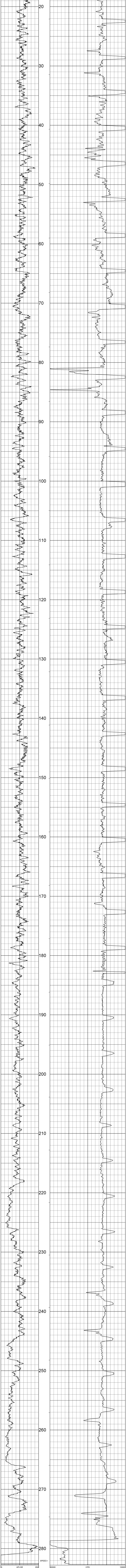
CABLE DEPTH	TRUE DEPTH	NORTH DEV.	EAST DEV.	DISTANCE	AZIMUTH	SANG	SANGB
6.00	6.00	-0.00	-0.01	0.0	246.1	1.1	245.1
8.00	8.00	-0.02	-0.04	0.0	243.4	1.3	245.1
10.00	10.00	-0.04	-0.09	0.1	243.9	1.5	239.8
12.00	12.00	-0.07	-0.15	0.2	244.6	2.0	249.6
14.00	14.00	-0.10	-0.21	0.2	245.7	2.1	249.6
16.00	16.00	-0.12	-0.28	0.3	246.1	2.3	248.4
18.00	17.99	-0.16	-0.36	0.4	246.3	2.6	250.5
20.00	19.99	-0.19	-0.44	0.5	246.1	2.6	253.9
22.00	21.99	-0.24	-0.53	0.6	245.8	3.1	241.8
24.00	23.99	-0.29	-0.62	0.7	245.1	2.9	238.2
26.00	25.98	-0.35	-0.72	0.8	244.1	3.7	232.0
28.00	27.98	-0.43	-0.82	0.9	242.6	4.1	239.2
30.00	29.97	-0.51	-0.94	1.1	241.3	4.4	234.1
32.00	31.97	-0.60	-1.06	1.2	240.7	4.1	234.0
34.00	33.96	-0.69	-1.19	1.4	239.8	4.7	233.5
36.00	35.95	-0.79	-1.33	1.5	239.2	5.0	235.6
38.00	37.95	-0.90	-1.47	1.7	238.6	5.0	232.7
40.00	39.94	-1.00	-1.61	1.9	238.1	5.5	236.1
42.00	41.93	-1.12	-1.77	2.1	237.8	5.7	235.6
44.00	43.92	-1.23	-1.93	2.3	237.5	5.9	238.1
46.00	45.91	-1.35	-2.10	2.5	237.2	6.1	234.7
48.00	47.90	-1.48	-2.28	2.7	236.9	6.3	232.4
50.00	49.88	-1.61	-2.46	2.9	236.8	6.6	234.2
52.00	51.87	-1.75	-2.65	3.2	236.6	7.2	240.1
54.00	53.85	-1.88	-2.86	3.4	236.8	7.2	241.7
56.00	55.84	-2.00	-3.07	3.7	236.9	7.2	246.2
58.00	57.82	-2.14	-3.28	3.9	236.9	7.2	234.4
60.00	59.81	-2.29	-3.48	4.2	236.7	7.1	233.8
62.00	61.79	-2.43	-3.69	4.4	236.6	7.3	234.8
64.00	63.78	-2.58	-3.89	4.7	236.5	7.2	234.4
66.00	65.76	-2.72	-4.09	4.9	236.4	6.8	234.4
68.00	67.75	-2.86	-4.29	5.2	236.3	7.1	233.9
70.00	69.73	-3.00	-4.50	5.4	236.3	7.3	248.0
72.00	71.71	-3.14	-4.73	5.7	236.5	7.9	240.7
74.00	73.69	-3.27	-4.96	5.9	236.6	7.4	240.1
76.00	75.68	-3.40	-5.19	6.2	236.8	7.8	241.6
78.00	77.66	-3.53	-5.43	6.5	237.0	7.8	240.4
80.00	79.64	-3.66	-5.66	6.7	237.1	7.8	239.1
82.00	81.62	-3.80	-5.90	7.0	237.2	7.8	248.1
84.00	83.60	-3.93	-6.12	7.3	237.3	7.7	235.9
86.00	85.59	-4.08	-6.34	7.5	237.2	7.5	242.7
88.00	87.57	-4.23	-6.56	7.8	237.2	7.6	236.5
90.00	89.55	-4.38	-6.79	8.1	237.2	7.7	236.7
92.00	91.53	-4.52	-7.01	8.3	237.2	7.7	236.9
94.00	93.51	-4.67	-7.23	8.6	237.2	7.7	237.1
96.00	95.50	-4.81	-7.46	8.9	237.2	7.6	235.2
98.00	97.48	-4.96	-7.68	9.1	237.1	7.6	236.7
100.00	99.46	-5.10	-7.90	9.4	237.1	7.5	236.8
102.00	101.44	-5.25	-8.12	9.7	237.1	7.5	236.5
104.00	103.43	-5.39	-8.34	9.9	237.1	7.4	237.0
106.00	105.41	-5.53	-8.55	10.2	237.1	7.4	237.2
108.00	107.39	-5.67	-8.77	10.4	237.1	7.4	236.4
110.00	109.38	-5.81	-8.98	10.7	237.1	7.3	236.3
112.00	111.36	-5.95	-9.19	11.0	237.1	7.3	236.3
114.00	113.35	-6.09	-9.40	11.2	237.0	7.2	236.0
116.00	115.33	-6.23	-9.61	11.5	237.0	7.1	236.2
118.00	117.31	-6.37	-9.81	11.7	237.0	7.1	235.7
120.00	119.30	-6.51	-10.02	11.9	237.0	7.0	235.2
122.00	121.28	-6.65	-10.22	12.2	236.9	7.0	235.0
124.00	123.27	-6.79	-10.41	12.4	236.9	6.9	234.5
126.00	125.26	-6.93	-10.61	12.7	236.8	6.8	233.9
128.00	127.24	-7.07	-10.80	12.9	236.8	6.8	233.3
130.00	129.23	-7.21	-10.99	13.1	236.7	6.7	232.4
132.00	131.21	-7.35	-11.17	13.4	236.6	6.6	232.3
134.00	133.20	-7.50	-11.35	13.6	236.6	6.5	231.3
136.00	135.19	-7.64	-11.52	13.8	236.5	6.4	229.8
138.00	137.18	-7.78	-11.70	14.0	236.4	6.5	229.7
140.00	139.16	-7.93	-11.87	14.3	236.3	6.4	229.3
142.00	141.15	-8.07	-12.04	14.5	236.1	6.4	228.2
144.00	143.14	-8.22	-12.20	14.7	236.0	6.3	228.0
146.00	145.13	-8.37	-12.36	14.9	235.9	6.3	227.3
148.00	147.11	-8.52	-12.52	15.1	235.8	6.1	225.4
150.00	149.10	-8.66	-12.67	15.3	235.6	5.9	225.4
152.00	151.09	-8.82	-12.81	15.6	235.5	5.9	223.7
154.00	153.08	-8.97	-12.95	15.8	235.3	5.9	222.3
156.00	155.07	-9.12	-13.09	16.0	235.1	5.8	221.2
158.00	157.06	-9.27	-13.22	16.1	235.0	5.7	220.7
160.00	159.05	-9.43	-13.35	16.3	234.8	5.8	218.0
162.00	161.04	-9.59	-13.48	16.5	234.6	5.9	218.7
164.00	163.03	-9.76	-13.61	16.7	234.3	6.2	217.6
166.00	165.02	-9.93	-13.73	16.9	234.1	6.1	216.3
168.00	167.01	-10.11	-13.86	17.2	233.9	6.2	214.5
170.00	168.99	-10.28	-13.98	17.4	233.7	6.2	213.0
172.00	170.98	-10.46	-14.10	17.6	233.4	6.2	214.7
174.00	172.97	-10.64	-14.22	17.8	233.2	6.2	214.1
176.00	174.96	-10.82	-14.34	18.0	233.0	6.1	213.6
178.00	176.95	-11.00	-14.45	18.2	232.7	6.1	213.6
180.00	178.94	-11.17	-14.57	18.4	232.5	5.9	212.0
182.00	180.93	-11.35	-14.67	18.5	232.3	5.7	211.1
184.00	182.92	-11.52	-14.77	18.7	232.1	5.6	200.7
186.00	184.91	-11.67	-14.88	18.9	231.9	5.3	213.1
188.00	186.90	-11.83	-14.98	19.1	231.7	5.3	215.0
190.00	188.89	-11.97	-15.08	19.3	231.6	5.1	214.3
192.00	190.88	-12.12	-15.18	19.4	231.4	4.9	214.4
194.00	192.88	-12.26	-15.27	19.6	231.2	4.8	213.8
196.00	194.87	-12.40	-15.37	19.7	231.1	4.4	211.0
198.00	196.86	-12.53	-15.47	19.9	231.0	4.8	215.5
200.00	198.86	-12.67	-15.56	20.1	230.9	4.7	215.2
202.00	200.85	-12.80	-15.65	20.2	230.7	4.6	215.1
204.00	202.84	-12.93	-15.74	20.4	230.6	4.5	214.7
206.00	204.84	-13.05	-15.83	20.5	230.5	4.5	215.4
208.00	206.83	-13.18	-15.92	20.7	230.4	4.3	212.4
210.00	208.83	-13.31	-16.00	20.8	230.3	4.3	213.8
212.00	210.82	-13.43	-16.09	21.0	230.1	4.2	207.7
214.00	212.81	-13.56	-16.17	21.1	230.0	4.4	211.5
216.00	214.81	-13.69	-16.25	21.2	229.9	4.4	210.0
218.00	216.80	-13.82	-16.32	21.4	229.7	4.4	214.1
220.00	218.80	-13.95	-16.40	21.5	229.6	4.4	209.6
222.00	220.79	-14.08	-16.48	21.7	229.5	4.3	210.0
224.00	222.78	-14.22	-16.55	21.8	229.3	4.4	210.0
226.00	224.78	-14.35	-16.63	22.0	229.2	4.6	212.1
228.00	226.77	-14.48	-16.70	22.1	229.1	4.1	211.3
230.00	228.77	-14.62	-16.78	22.3	228.9	4.6	206.9
232.00	230.76	-14.75	-16.86	22.4	228.8	4.3	211.9
234.00	232.76	-14.88	-16.93	22.5	228.7	4.1	208.1
236.00	234.75	-15.00	-17.00	22.7	228.6	3.9	208.6
238.00	236.75	-15.12	-17.06	22.8	228.5	3.9	207.9
240.00	238.74	-15.24	-17.13	22.9	228.3	3.9	205.2
242.00	240.74	-15.36	-17.19	23.0	228.2	3.7	205.9
244.00	242.73	-15.48	-17.24	23.2	228.1	3.7	205.9
246.00	244.73	-15.60	-17.30	23.3	228.0	4.0	197.1
248.00	246.72	-15.72	-17.37	23.4	227.8	4.1	217.7
250.00	248.72	-15.84	-17.43	23.5	227.7	3.8	200.0
252.00	250.71	-15.96	-17.48	23.7	227.6	3.5	202.4
254.00	252.71	-16.07	-17.53	23.8	227.5	3.3	190.1
256.00	254.71	-16.18	-17.59	23.9	227.4	3.7	207.2
258.00	256.70	-16.30	-17.64	24.0	227.3	3.7	207.3
260.00	258.70	-16.43	-17.71	24.2	227.1	4.2	208.8
262.00	260.69	-16.57	-17.76	24.3	227.0	4.5	203.2
264.00	262.68	-16.73	-17.83	24.4	226.8	5.2	205.4
266.00	264.68	-16.90	-17.90	24.6	226.6	5.2	198.1
268.00	266.67	-17.05	-17.95	24.8	226.5	4.7	195.9
270.00	268.66	-17.21	-18.00	24.9	226.3	4.8	197.4
272.00	270.66	-17.37	-18.04	25.0	226.1	4.6	198.5
274.00	272.65	-17.53	-18.09	25.2	225.9	4.6	197.0
276.00	274.64	-17.68	-18.13	25.3	225.7	4.4	195.1
278.00	276.64	-17.82	-18.18	25.5	225.6	3.7	205.0
280.00	278.63	-17.95	-18.22	25.6	225.4	3.9	195.8
282.00	280.63	-18.08	-18.26	25.7	225.3	4.1	195.1
282.78	281.41	-18.14					

COMPANY	TRINITY COAL CORP	OTHER SERVICES	NEUTRON
WELL	UPPER HIGHHAT		
COUNTRY	KANADA		
PROVINCE	BRITISH COLUMBIA		
LOCATION	UPPER HIGHHAT		
SECTION	N/A		
TOWNSHIP	N/A		
RANGE NO.	N/A		
LICENCE NO.	N/A		
UNIT/WEI. I.D.			
PERMANENT DATUM	SL	ELEVATION (M)	N/A
LOG MEASURED FROM (SL)		ELEVATION (OF N/A)	
PRE MEASURED FROM (SL)		ELEVATION (OF N/A)	
DATE	28/09/09	LOG NUMBER	
DEPTH (METER)	288.95	ROD NUMBER	
BIT SIZE	13.87	ARRIVAL TIME	
LOG TOP	1.32	DEPARTURE TIME	
LOG BOTTOM	282.74	CIRC STOPPED	N/A
LOGS LOBBED	4/31		
CHAINS DRIVEN	4/31		
CONDUCTIVE FLUID	WATER		
MAXIMUM TEMPERATURE	N/A		
WELL PRES	: 00		
WELL WEIGHT	: 00		
WELL WEIGHTED BY	7. N/A		
REMARKS 1	VERTICAL		
REMARKS 2			

1.50 GAM-GAMH DH09-02 04/16/09

LOG PARAMETERS

MATRIX DENSITY : 2.65	NEUTRON MATRIX : SANDSTONE	MATRIX DELTA : 177
MAGNETIC DECL : 19.9	ELECT. CUTOFF : 99999	BIT SIZE : 13.97
PRESENTATION NAME/DATE = 9068	GAMMA-GAMMA 0 10/12/2007	VERSION = 3.64HE



1.50 GAM-GAMH DH09-02 04/16/09

LOG PARAMETERS

MATRIX DENSITY : 2.65	NEUTRON MATRIX : SANDSTONE	MATRIX DELTA : 177
MAGNETIC DECL : 19.9	ELECT. CUTOFF : 99999	BIT SIZE : 13.97
PRESENTATION NAME/DATE = 9068	GAMMA-GAMMA 0 10/12/2007	VERSION = 3.64HE

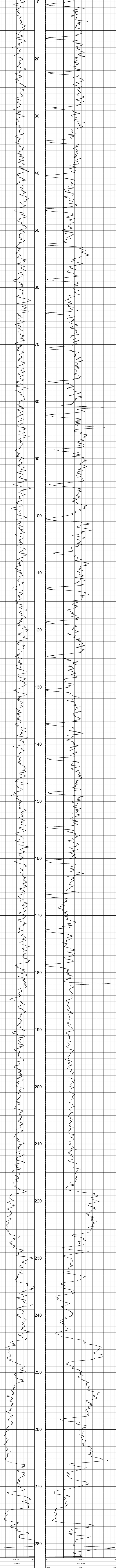
TOOL CALIBRATION DH09-02 04/16/09 10:02		SENSOR		STANDARD		RESPONSE					
TOOL	SERIAL NUMBER	DATE	TIME	GAMMA	GAMMA	[API-GR 1]	[API-GR 1]	1,000	81,000	[CPS]	[CPS]
1	9068A	Jun 28, 04	18:14:02	3,000	265,000	[API-GR 1]	[API-GR 1]	1,000	81,000	[CPS]	[CPS]
		Jun 28, 04	18:14:02								

COMPANY	THEFT COAL CORP	OTHER SERVICES	CONVERT
WELL	DH09-02		
COUNTRY	UPPER HIGHWAY		
PROVINCE	BRITISH COLUMBIA		
LOCATION	UPPER HIGHWAY		
SECTION	N/A		
TOWNSHIP	N/A		
RANGE	N/A		
SECTION NO.	N/A		
ENCLOSURE NO.	N/A		
UNIT/WEI LID			
PERMANENT DATA	2L	ELEVATION (X)	N/A
LOG MEASURED FROM OIL		ELEVATION (Y)	N/A
DATE MEASURED FROM OIL		LOG NUMBER	
DATE	28/09/09	LOG NUMBER	
DEPTH (METER)	288.95	LOG NUMBER	
BIT SIZE	7 1/8 IN	ARRIVAL TIME	
LOG TOP	11.24	DEPARTURE TIME	
LOG BOTTOM	282.96	CNC STOPPED	N/A
CASING LOGGER			
CASING DEPTH	4.22		
PROBABLE LID	WATERS		
MAXIMUM TEMPERATURE	N/A		
MAXIMUM PRESSURE	N/A		
MAXIMUM WEIGHT	1:00		
RECORDED BY	T. NEAL		
REMARKS 1			
REMARKS 2			
REMARKS 3			

1:100 NEUTRON DH09-02 04/16/09

LOG PARAMETERS

MATRIX DENSITY : 2.65 NEUTRON MATRIX : SANDSTONE MATRIX DELTA T : 177
 MAGNETIC DECL : 19.9 ELECT. CUTOFF : 99999 BIT SIZE : 13.97
 PRESENTATION NAME/DATE : 9067 IN PIPE GAMMA-NEUTRON 0 10/12/2007 VERSION = 3.64HE



1:100 NEUTRON DH09-02 04/16/09

LOG PARAMETERS

MATRIX DENSITY : 2.65 NEUTRON MATRIX : SANDSTONE MATRIX DELTA T : 177
 MAGNETIC DECL : 19.9 ELECT. CUTOFF : 99999 BIT SIZE : 13.97
 PRESENTATION NAME/DATE : 9067 IN PIPE GAMMA-NEUTRON 0 10/12/2007 VERSION = 3.64HE

TOOL CALIBRATION	DATE	TIME	SENSOR	STANDARD	RESPONSE
TOOL 9067A <td>Apr15.09</td> <td>09:51:57</td> <td>GAMMA</td> <td>Default [API-GR]</td> <td>Default [CPS]</td>	Apr15.09	09:51:57	GAMMA	Default [API-GR]	Default [CPS]
SERIAL NUMBER 529	Apr15.09	08:51:57	GAMMA	250.000	60.000
	Feb22.06	08:07:12	NEUTRON	Default [CPS]	Default [CPS]
	Feb22.06	08:07:12	NEUTRON	Default [CPS]	Default [CPS]

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS

COMPANY	TRETI COAL CORP	OTHER SERVICES	NEUTRON
WELL	DH09-03		
FIELD	UPPER HIGHHAT		
COUNTRY	CANADA		
PROVINCE	BRITISH COLUMBIA		

LOCATION	UPPER HIGHHAT
SECTION	N/A
TOWNSHIP	N/A
RANGE	N/A
LICENSE NO.	N/A
UNIQUE WELL ID	

PERMANENT DATUM	GL	ELEVATION NG	N/A
LOGS MEASURED FROM GL		ELEVATION DF	N/A
DBL MEASURED FROM GL		ELEVATION GL	N/A

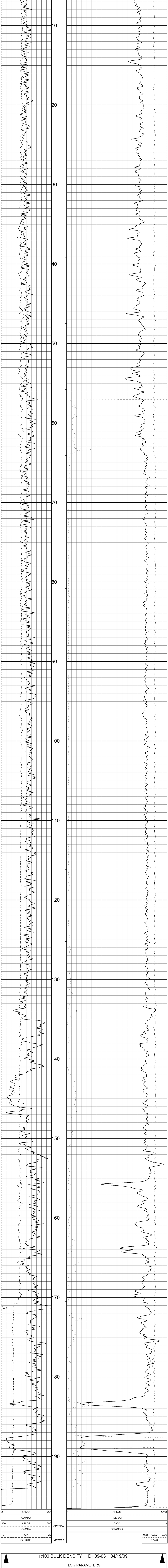
DATE	04/19/09	LOG NUMBER	
DEPTH DRILLER	197.51	LOGGERS TO	
BIT SIZE	13.97	ARRIVAL TIME	
LOG TOP	197.78	DEPARTURE TIME	
LOG BOTTOM	198.61	CIRC STOPPED	N/A

CASING DRILLER	1: 82
CASING LOGGER	1: 82
CASING TYPE	STEEL
BOREHOLE FLUID	WATER
RIM TEMPERATURE	N/A
MUD RES	N/A
MUD WEIGHT	1: 00
WITNESSED BY	JT NEAL
RECORDED BY	VERTICAL
REMARKS 1	
REMARKS 2	

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS

1:100 BULK DENSITY DH09-03 04/19/09

MATRIX DENSITY : 2.65	NEUTRON MATRIX : SANDSTONE	MATRIX DELTA T : 177
MAGNETIC DECL : 19.9	ELECT. CUTOFF : 99999	BIT SIZE : 13.97
PRESENTATION NAME/DATE = 9139C DENSITY(Caliper L) 0 04/13/2009		VERSION = 3.64HE



1:100 BULK DENSITY DH09-03 04/19/09

MATRIX DENSITY : 2.65	NEUTRON MATRIX : SANDSTONE	MATRIX DELTA T : 177
MAGNETIC DECL : 19.9	ELECT. CUTOFF : 99999	BIT SIZE : 13.97
PRESENTATION NAME/DATE = 9139C DENSITY(Caliper L) 0 04/13/2009		VERSION = 3.64HE

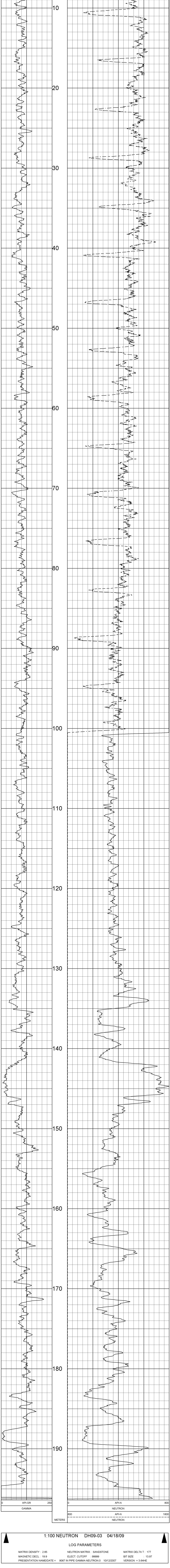
DATE	TIME	SENSOR	STANDARD	RESPONSE
1	Mar22.09 17:50.57	GAMMA	0.000 [API-GR]	20.000 [CPS]
2	Mar22.09 17:50.57	VOLTAGE	30.450 [MV]	6452.000 [CPS]
3	Mar22.09 17:51.32	VOLTAGE	232.800 [MV]	33790.000 [CPS]
4	Mar22.09 17:52.18	CALIPER	8.900 [CM]	143340.000 [CPS]
5	Mar22.09 17:52.18	CALIPER	1.000 [CM]	425682.000 [CPS]
6	Mar22.09 17:53.03	DEN(LS)	2.323 [G/CC]	26210.000 [CPS]
7	Mar22.09 17:53.03	DEN(SS)	1.000 [G/CC]	2550.000 [CPS]
8	Mar22.09 17:53.32	DEN(SS)	2.323 [G/CC]	51170.000 [CPS]
9	Mar22.09 17:53.32	DEN(SS)	2.323 [G/CC]	18080.000 [CPS]
10	Apr11.09 11:47.49	CALIPERL	7.620 [CM]	108900.000 [CPS]
11	Apr11.09 11:47.49	CALIPERL	20.000 [CM]	238606.000 [CPS]
12	Mar22.09 17:55.23	CURRENT	30.500 [UA]	5796.200 [CPS]
13	Mar22.09 17:55.23	CURRENT	232.800 [UA]	22880.000 [CPS]
14	Mar22.09 17:50.18	F	Default [CPS]	
15	Mar22.09 17:50.18	X	Default [CPS]	

COMPANY	TREFF COAL CORP	OTHER SERVICES
WELL	DH09-03	DENSITY
FIELD	UPPER HIGHHAT	
COUNTRY	CHADDA	
PROVINCE	BRITISH COLUMBIA	
LOCATION	UPPER HIGHHAT	
SECTION	N/A	
TOWNSHIP	N/A	
RANGE	N/A	
LICENSE NO.	N/A	
UNIQUE WELL ID		
PERMANENT DATUM	GL	ELEVATION RB
LOG MEASURED FROM	GL	ELEVATION OF
DEL MEASURED FROM	GL	ELEVATION OF
DATE	04/18/09	LOG NUMBER
DEPTH DRIENER	1397.51	LOGGER TO
BIT SIZE	13.97	ASBVAL TIME
LOG TOP	-1.13	DEPARTURE TIME
LOG BOTTOM	1985.35	CIRC STOPPED
CASING LOGGER	1.82	
CASING DRILLER		
CASING TYPE	STEEL	
BOSSHOLE FLUID	WATER	
RAI TEMPERATURE	N/A	
MUD RES	N/A	
MUD WEIGHT	11.00	
WITNESSED BY	IT MEAL	
RECORDED BY	VERTICAL	
REMARKS 1		
REMARKS 2		

1:100 NEUTRON DH09-03 04/18/09

LOG PARAMETERS

MATRIX DENSITY : 2.65 NEUTRON MATRIX : SANDSTONE MATRIX DELTA T : 177
 MAGNETIC DECL : 19.9 ELECT. CUTOFF : 99999 BIT SIZE : 13.97
 PRESENTATION NAME/DATE = 9067 IN PIPE GAMMA-NEUTRON.0 10/12/2007 VERSION = 3.64HE



1:100 NEUTRON DH09-03 04/18/09

LOG PARAMETERS

MATRIX DENSITY : 2.65 NEUTRON MATRIX : SANDSTONE MATRIX DELTA T : 177
 MAGNETIC DECL : 19.9 ELECT. CUTOFF : 99999 BIT SIZE : 13.97
 PRESENTATION NAME/DATE = 9067 IN PIPE GAMMA-NEUTRON.0 10/12/2007 VERSION = 3.64HE

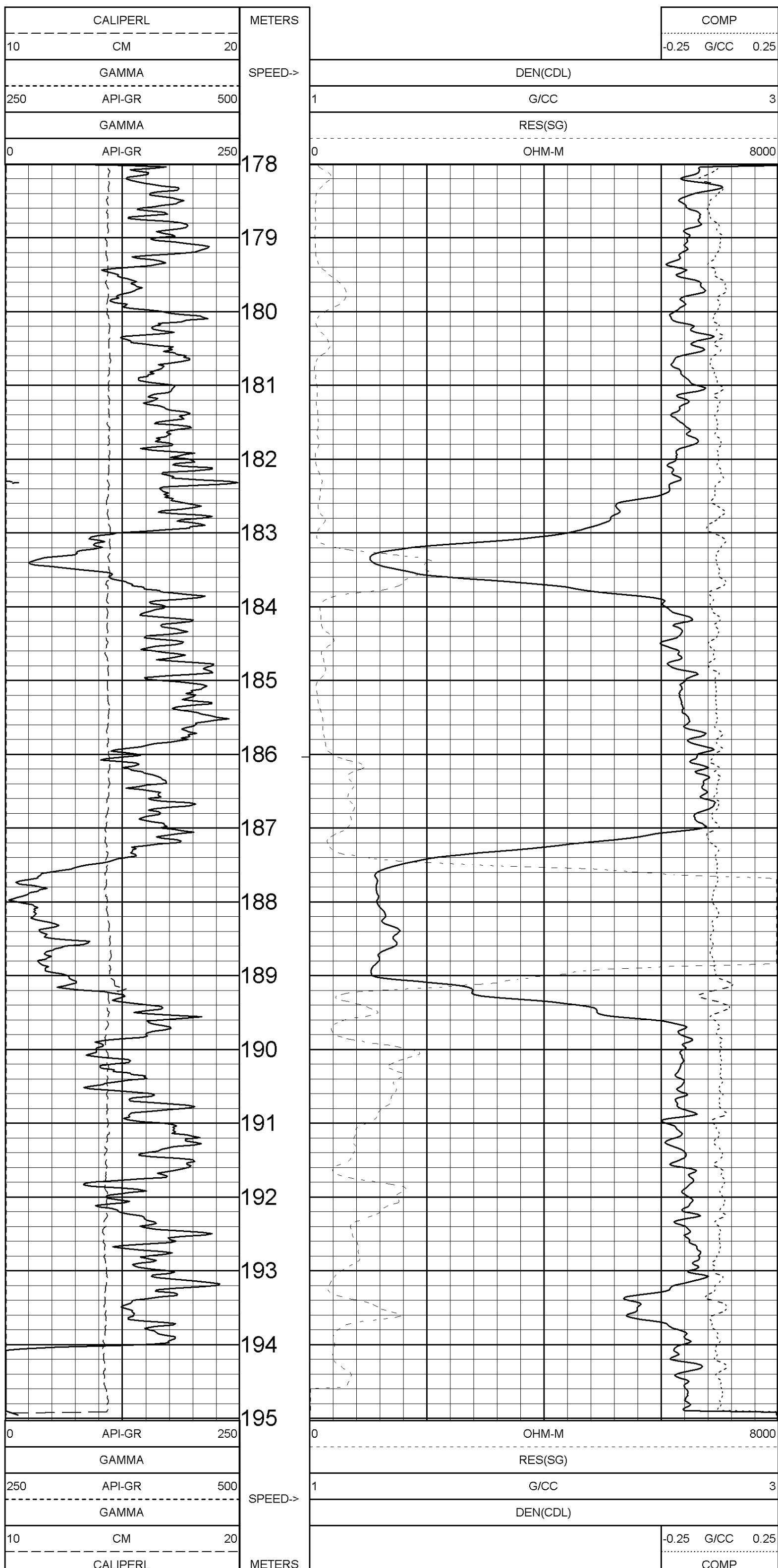
TOOL CALIBRATION DH09-03 04/18/09 20:19				
DATE	TIME	SENSOR	STANDARD	RESPONSE
1	Apr18,09	GAMMA	0.000 [API-GR]	10.000 [CPS]
	Apr18,09	GAMMA	240.000 [API-GR]	80.000 [CPS]
2	Feb22,06	NEUTRON	Default [CPS]	Default [CPS]
	Feb22,06	NEUTRON	Default [CPS]	Default [CPS]

COMPANY : TREFI COAL CORP. WELL : DH09-03 FIELD : UPPER HIGHHAT COUNTRY : CANADA PROVINCE : BRITISH COLUMBIA LOCATION : UPPER HIGHHAT SECTION : N/A TOWNSHIP : N/A RANGE : N/A LICENCE NO. : N/A UNIQUE WELL ID. :	OTHER SERVICES: NEUTRON PERMANENT DATUM : GL LOG MEASURED FROM : GL DRL MEASURED FROM : GL DATE : 04/19/09 DEPTH DRILLER : 197.51 BIT SIZE : 13.97 LOG TOP : -0.79 LOG BOTTOM : 196.61 CASING LOGGER : 1.82 CASING DRILLER : 1.82 CASING TYPE : STEEL BOREHOLE FLUID : WATER RM TEMPERATURE : N/A MUD RES : N/A MUD WEIGHT : 1.00 WITNESSED BY : RECORDED BY : T. NEAL REMARKS 1 : VERTICAL REMARKS 2 :
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1:50 BULK DENSITY DH09-03 04/19/09

LOG PARAMETERS

MATRIX DENSITY : 2.65	NEUTRON MATRIX : SANDSTONE	MATRIX DELTA T : 177
MAGNETIC DECL : 19.9	ELECT. CUTOFF : 99999	BIT SIZE : 13.97
PRESENTATION NAME/DATE = 9139C EXPANDED(Caliper L).0 04/13/2009		VERSION = 3.64HE



1:50 BULK DENSITY DH09-03 04/19/09

LOG PARAMETERS

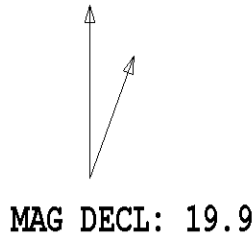
MATRIX DENSITY : 2.65	NEUTRON MATRIX : SANDSTONE	MATRIX DELTA T : 177
MAGNETIC DECL : 19.9	ELECT. CUTOFF : 99999	BIT SIZE : 13.97
PRESENTATION NAME/DATE = 9139C EXPANDED(Caliper L).0 04/13/2009		VERSION = 3.64HE

TOOL CALIBRATION DH09-03 04/19/09 00:20
 TOOL 9239C1 TM VERSION 2021
 SERIAL NUMBER 4416

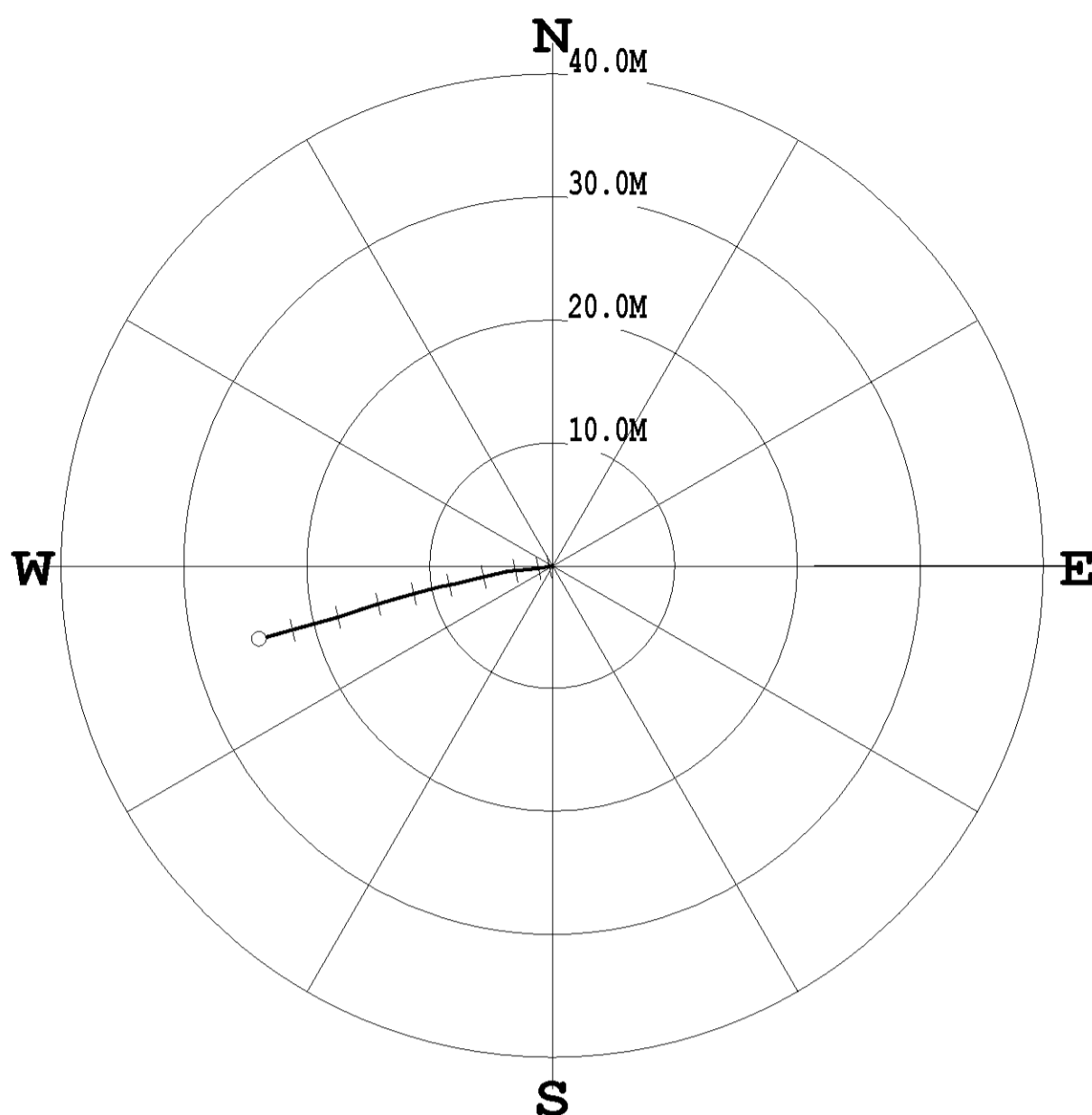
DATE	TIME	SENSOR	STANDARD	RESPONSE
1	Mar22,09 17:50:57	GAMMA	0.000 [API-GR]	20.000 [CPS]
2	Mar22,09 17:51:32	VOLTAGE	30.450 [MV]	6482.000 [CPS]
3	Mar22,09 17:51:32	VOLTAGE	232.800 [MV]	33790.000 [CPS]
4	Mar22,09 17:52:18	CALIPER	8.900 [CM]	143340.000 [CPS]
5	Mar22,09 17:53:03	DEN(LS)	1.000 [G/CC]	26210.000 [CPS]
6	Mar22,09 17:53:32	DEN(SS)	2.323 [G/CC]	2550.000 [CPS]
7	Mar22,09 17:53:32	DEN(SS)	2.323 [G/CC]	51170.000 [CPS]
8	Apr11,09 11:47:49	CALIPERL	7.620 [CM]	108900.000 [CPS]
9	Mar22,09 17:55:23	CURRENT	20.000 [CM]	238606.000 [CPS]
10	Mar22,09 17:55:23	CURRENT	30.500 [UA]	5796.200 [CPS]
11	Mar22,09 17:55:23	CURRENT	232.800 [UA]	22880.000 [CPS]
12	Mar22,09 17:50:18	X	Default [CPS]	
13	Mar22,09 17:50:18	X	Default [CPS]	

PLAN VIEW COMPU-LOG DEVIATION

CLIENT: TREFI COAL CORP.
 LOCATION: UPPER HIGHHAT
 HOLE ID: DH09-03
 DATE OF LOG: 04/19/09
 PROBE: 9057A 4565



SCALE: 5 M/CM
 TRUE DEPTH: 194.62 M
 AZIMUTH: 256.0
 DISTANCE: 24.6 M
 + = 20 M INCR
 ○ = BOTTOM OF HOLE



* * * * * COMPU-LOG - VERTICAL DEVIATION * * * * *

CLIENT : TREFI COAL CORP. HOLE ID. : DH09-03
 FIELD OFFICE : CENTURY GEO DATE OF LOG : 04/19/09
 DATA FROM : N/A PROBE : 9057A , 4565
 MAG. DECL. : 19.900 DEPTH UNITS : METERS
 LOG: DH09-03_04-19-09_01-02_9057A_.02_1.93_196.67_DEVI.log

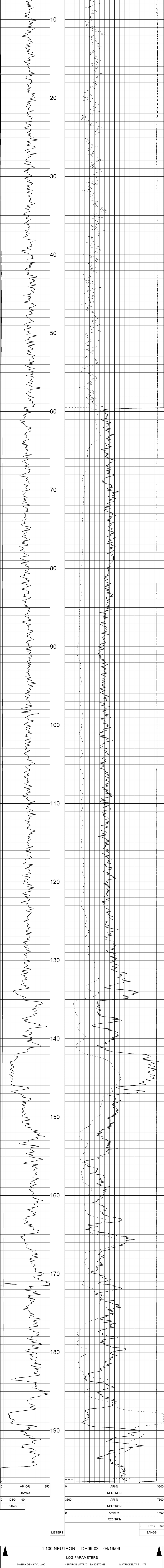
CABLE DEPTH	TRUE DEPTH	NORTH DEV.	EAST DEV.	DISTANCE	AZIMUTH	SANG	SANGB
4.00	3.99	-0.00	-0.00	0.0	244.0	0.6	249.6
6.00	5.99	-0.01	-0.03	0.0	256.5	0.8	270.5
8.00	7.99	-0.01	-0.05	0.1	259.7	0.9	263.6
10.00	9.99	-0.01	-0.08	0.1	260.2	0.7	261.3
12.00	11.99	-0.02	-0.11	0.1	261.2	1.0	266.7
14.00	13.99	-0.02	-0.15	0.1	262.2	1.0	268.1
16.00	15.99	-0.02	-0.19	0.2	263.1	1.2	267.1
18.00	17.99	-0.02	-0.23	0.2	264.0	1.2	270.5
20.00	19.99	-0.03	-0.27	0.3	264.2	1.1	258.4
22.00	21.99	-0.03	-0.31	0.3	264.1	1.3	261.4
24.00	23.99	-0.04	-0.37	0.4	263.4	1.6	252.6
26.00	25.99	-0.06	-0.43	0.4	262.1	1.9	252.2
28.00	27.98	-0.08	-0.50	0.5	260.9	2.1	257.3
30.00	29.98	-0.09	-0.58	0.6	260.7	2.6	264.8
32.00	31.98	-0.11	-0.67	0.7	260.6	2.8	262.4
34.00	33.98	-0.13	-0.77	0.8	260.4	3.0	258.2
36.00	35.97	-0.15	-0.88	0.9	260.4	3.7	262.9
38.00	37.97	-0.17	-1.01	1.0	260.4	3.7	259.2
40.00	39.97	-0.19	-1.14	1.2	260.5	4.0	260.7
42.00	41.96	-0.21	-1.28	1.3	260.6	4.3	259.6
44.00	43.96	-0.23	-1.42	1.4	260.8	4.2	267.5
46.00	45.95	-0.24	-1.58	1.6	261.2	4.9	265.8
48.00	47.94	-0.26	-1.75	1.8	261.6	5.0	267.4
50.00	49.93	-0.28	-1.93	1.9	261.8	5.1	264.4
52.00	51.93	-0.29	-2.11	2.1	262.1	5.2	268.6
54.00	53.92	-0.31	-2.31	2.3	262.3	6.2	264.0
56.00	55.90	-0.33	-2.54	2.6	262.7	6.6	260.7
58.00	57.89	-0.35	-2.77	2.8	262.9	6.8	265.4
60.00	59.87	-0.37	-3.01	3.0	263.0	6.8	265.2
62.00	61.86	-0.40	-3.25	3.3	263.1	7.1	264.0
64.00	63.84	-0.42	-3.50	3.5	263.1	7.4	272.1
66.00	65.83	-0.45	-3.75	3.8	263.1	6.9	256.3
68.00	67.81	-0.51	-3.99	4.0	262.8	7.4	257.2
70.00	69.79	-0.57	-4.25	4.3	262.4	7.5	257.4
72.00	71.78	-0.63	-4.50	4.5	262.1	7.7	256.4
74.00	73.76	-0.69	-4.77	4.8	261.8	7.8	255.9
76.00	75.74	-0.75	-5.03	5.1	261.5	7.9	256.3
78.00	77.72	-0.81	-5.30	5.4	261.3	7.9	257.2
80.00	79.70	-0.88	-5.57	5.6	261.0	7.9	256.5
82.00	81.68	-0.94	-5.84	5.9	260.8	7.9	256.5
84.00	83.66	-1.01	-6.10	6.2	260.6	8.1	257.3
86.00	85.64	-1.07	-6.38	6.5	260.5	8.0	256.2
88.00	87.62	-1.14	-6.65	6.7	260.3	8.0	255.8
90.00	89.60	-1.20	-6.92	7.0	260.1	8.1	256.9
92.00	91.58	-1.27	-7.19	7.3	260.0	8.2	256.3
94.00	93.56	-1.34	-7.47	7.6	259.8	8.1	256.6
96.00	95.54	-1.41	-7.75	7.9	259.7	8.1	256.4
98.00	97.52	-1.47	-8.03	8.2	259.6	8.9	258.9
100.00	99.50	-1.53	-8.32	8.5	259.6	8.6	259.0
102.00	101.48	-1.59	-8.62	8.8	259.6	8.6	259.2
104.00	103.46	-1.64	-8.91	9.1	259.6	8.6	259.7
106.00	105.43	-1.70	-9.20	9.4	259.6	8.4	257.1
108.00	107.41	-1.77	-9.48	9.6	259.4	8.3	255.9
110.00	109.39	-1.84	-9.76	9.9	259.3	8.4	255.6
112.00	111.37	-1.92	-10.04	10.2	259.2	8.5	255.1
114.00	113.35	-2.00	-10.33	10.5	259.1	8.5	255.2
116.00	115.33	-2.07	-10.62	10.8	259.0	8.5	255.0
118.00	117.30	-2.15	-10.90	11.1	258.8	8.5	254.7
120.00	119.28	-2.23	-11.19	11.4	258.7	8.6	255.3
122.00	121.26	-2.31	-11.48	11.7	258.6	8.6	254.9
124.00	123.24	-2.39	-11.76	12.0	258.5	8.5	254.5
126.00	125.21	-2.47	-12.05	12.3	258.4	8.5	254.7
128.00	127.19	-2.55	-12.34	12.6	258.3	8.5	253.9
130.00	129.17	-2.63	-12.62	12.9	258.2	8.5	254.1
132.00	131.15	-2.71	-12.90	13.2	258.2	8.4	253.8
134.00	133.13	-2.79	-13.18	13.5	258.1	8.5	253.5
136.00	135.10	-2.87	-13.47	13.8	258.0	8.5	253.8
138.00	137.08	-2.96	-13.76	14.1	257.9	8.8	252.8
140.00	139.06	-3.05	-14.05	14.4	257.8	8.8	251.6
142.00	141.03	-3.14	-14.34	14.7	257.7	9.0	255.4
144.00	143.01	-3.23	-14.65	15.0	257.6	9.5	253.4
146.00	144.98	-3.33	-14.97	15.3	257.4	9.5	252.3
148.00	146.95	-3.43	-15.28	15.7	257.4	9.4	251.9
150.00	148.93	-3.53	-15.59	16.0	257.2	9.6	249.0
152.00	150.90	-3.65	-15.91	16.3	257.1	10.0	251.2
154.00	152.87	-3.76	-16.24	16.7	257.0	10.1	250.9
156.00	154.84	-3.87	-16.57	17.0	256.9	9.9	252.6
158.00	156.81	-3.98	-16.90	17.4	256.8	10.3	250.9
160.00	158.77	-4.09	-17.24	17.7	256.6	10.3	251.0
162.00	160.74	-4.20	-17.59	18.1	256.6	10.7	254.7
164.00	162.70	-4.30	-17.95	18.5	256.5	10.8	254.8
166.00	164.67	-4.40	-18.31	18.8	256.5	10.8	255.8
168.00	166.63	-4.50	-18.67	19.2	256.5	10.9	257.3
170.00	168.60	-4.60	-19.04	19.6	256.4	11.0	253.0
172.00	170.56	-4.70	-19.41	20.0	256.4	11.0	254.3
174.00	172.52	-4.80	-19.77	20.3	256.4	10.8	254.8
176.00	174.49	-4.90	-20.14	20.7	256.3	11.1	254.2
178.00	176.45	-5.00	-20.51	21.1	256.3	10.8	254.2
180.00	178.41	-5.10	-20.87	21.5	256.3	10.9	254.9
182.00	180.38	-5.20	-21.24	21.9	256.2	10.8	253.9
184.00	182.34	-5.30	-21.60	22.2	256.2	10.8	254.7
186.00	184.31	-5.41	-21.96	22.6	256.2	10.9	253.5
188.00	186.27	-5.51	-22.32	23.0	256.1	10.9	254.6
190.00	188.24	-5.61	-22.69	23.4	256.1	10.8	255.1
192.00	190.20	-5.72	-23.05	23.7	256.1	10.7	254.7
194.00	192.16	-5.82	-23.41	24.1	256.0	10.9	255.2
196.00	194.13	-5.92	-23.77	24.5	256.0	10.8	253.8
196.50	194.62	-5.95	-23.86	24.6	256.0	10.8	252.4

COMPANY	TRETCOAL CORP	OTHER SERVICES	
WELL	DH09-03	DENSITY	
FIELD	UPPER HIGHHAT		
COUNTRY	CANADA		
PROVINCE	BRITISH COLUMBIA		
LOCATION	UPPER HIGHHAT		
SECTION	N/A		
TOWNSHIP	N/A		
RANGE	N/A		
LICENCE NO.	N/A		
UNIQUE WELL ID			
PERMITS/DATA/LOG	NSL	ELEVATION KB	N/A
LOG MEASURED FROM GL		ELEVATION DF	N/A
DRI MEASURED FROM GL		ELEVATION SL	N/A
DATE	24/08/09	LOG NUMBER	
DEPTH DRILLER		LOGGER TO	
BIT SIZE	13.97	ARRIVAL TIME	
LOG TOP	1.93	DEPARTURE TIME	
LOG BOTTOM	198.87	CIRC STOPPED	N/A
CASINO LOGGER	1.82		
CASINO TYPE	STEEL		
BORINGHOLE FLUID	WATER		
ROD TEMPERATURE	N/A		
MUD RES	1:00		
MUD WEIGHT	1:00		
UNDESIGNED BY	1: NEAL		
RECORDED BY	1: NEAL		
REMARKS 1			
REMARKS 2			

1:100 NEUTRON DH09-03 04/19/09

LOG PARAMETERS

MATRIX DENSITY : 2.65	NEUTRON MATRIX : SANDSTONE	MATRIX DELTA T : 177
MAGNETIC DECL : 19.9	ELECT. CUTOFF : 99999	BIT SIZE : 13.97
PRESENTATION NAME/DATE = 9057A.0 02/24/2008		VERSION = 3.64HE



1:100 NEUTRON DH09-03 04/19/09

LOG PARAMETERS

MATRIX DENSITY : 2.65	NEUTRON MATRIX : SANDSTONE	MATRIX DELTA T : 177
MAGNETIC DECL : 19.9	ELECT. CUTOFF : 99999	BIT SIZE : 13.97
PRESENTATION NAME/DATE = 9057A.0 02/24/2008		VERSION = 3.64HE

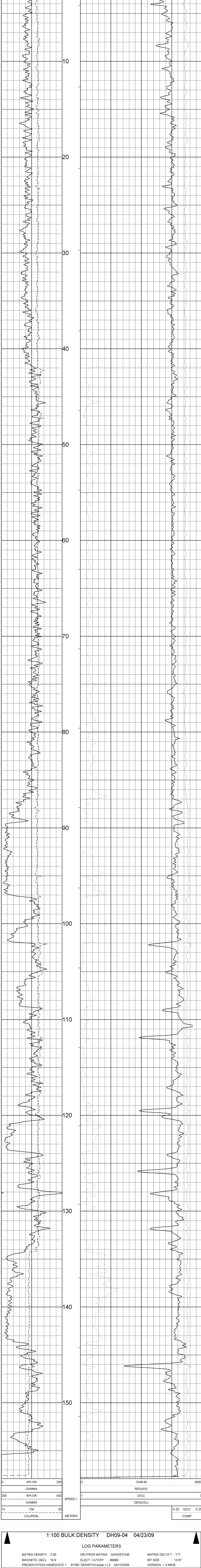
TOOL CALIBRATION DH09-03 04/19/09 01:02				
TOOL 9057A TM VERSION 2				
SERIAL NUMBER 4565				
DATE	TIME	SENSOR	STANDARD	RESPONSE
1	May13,08 11:51:18	GAMMA	0.000 [API-GR]	4.000 [CPS]
	May13,08 11:51:18	GAMMA	330.000 [API-GR]	316.000 [CPS]
2	Apr17,08 09:32:11	NEUTRON	Default [CPS]	Default [CPS]
	Apr17,08 09:32:11	NEUTRON	Default [CPS]	Default [CPS]
3	May13,08 11:46:00	SP	0.000 [MV]	320190.000 [CPS]
	May13,08 11:46:00	SP	349.000 [MV]	149150.000 [CPS]
4	May13,08 14:09:51	RES(16N)	0.000 [OHM-M]	4158.000 [CPS]
	May13,08 14:09:51	RES(16N)	1953.000 [OHM-M]	422983.000 [CPS]
5	May13,08 14:09:08	RES(64N)	0.000 [OHM-M]	3135.000 [CPS]
	May13,08 14:09:08	RES(64N)	1990.000 [OHM-M]	345737.000 [CPS]
6	Feb24,09 10:19:14	TEMP	12.830 [DEG F]	346522.000 [CPS]
	Feb24,09 10:19:14	TEMP	32.940 [DEG F]	372068.000 [CPS]
7	May13,08 11:44:50	RES	0.000 [OHM]	4217.000 [CPS]
	May13,08 11:44:50	RES	943.000 [OHM]	161475.000 [CPS]

COMPANY	TRETI COAL CORP	OTHER SERVICES:	NEUTRON
WELL	DH09-04		
FIELD	UPPER HIGHHAT		
COUNTRY	CANADA		
PROVINCE	BRITISH COLUMBIA		
LOCATION	UPPER HIGHHAT		
SECTION	N/A		
TOWNSHIP	N/A		
RANGE	N/A		
LICENCE NO.	N/A		
LINE/JOE WELL ID			
PERMANENT DATUM	SL	ELEVATION AB	N/A
LOG MEASURED FROM SL		ELEVATION OF	N/A
DLL MEASURED FROM SL		ELEVATION SL	N/A
DATE	04/23/09	RIG NUMBER	
DEPTD DRILLER	16194	LOGGER ID	
BIT SIZE	13.97	ARRIVAL TIME	
LOG TOP	-0.75	DEPARTURE TIME	
LOG BOTTOM	157.89	CIRC STOPPED	N/A
CASING LOGGER	4.27		
CASING DRILLER	4.27		
CASING TYPE	STEEL		
BOREHOLE FLUID	WATER		
RM TEMPERATURE	N/A		
MUD RES	N/A		
MUD WEIGHT	1.00		
WITNESSED BY	J. NEAL		
RECORDED BY	VERTICAL		
REMARKS 1			
REMARKS 2			

1:100 BULK DENSITY DH09-04 04/23/09

LOG PARAMETERS

MATRIX DENSITY : 2.65	NEUTRON MATRIX : SANDSTONE	MATRIX DELTA T : 177
MAGNETIC DECL : 19.9	ELECT. CUTOFF : 99999	BIT SIZE : 13.97
PRESENTATION NAME/DATE = 9139C DENSITY(Caliper L) 0 04/13/2009		VERSION = 3.64HE



1:100 BULK DENSITY DH09-04 04/23/09

LOG PARAMETERS

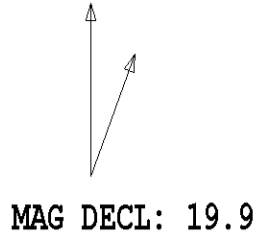
MATRIX DENSITY : 2.65	NEUTRON MATRIX : SANDSTONE	MATRIX DELTA T : 177
MAGNETIC DECL : 19.9	ELECT. CUTOFF : 99999	BIT SIZE : 13.97
PRESENTATION NAME/DATE = 9139C DENSITY(Caliper L) 0 04/13/2009		VERSION = 3.64HE

TOOL CALIBRATION DH09-04 04/23/09 03:52

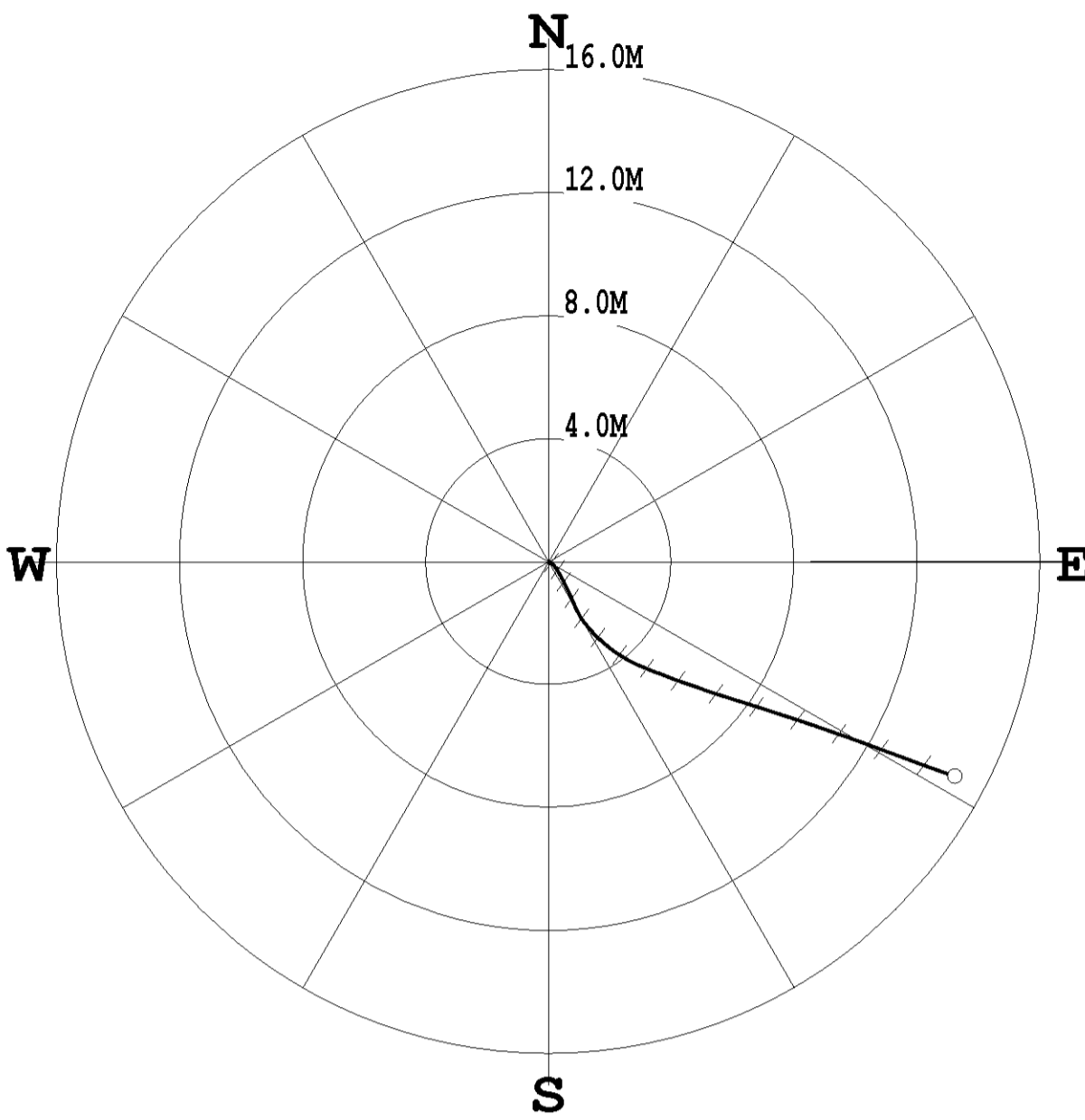
DATE	TIME	SENSOR	STANDARD	RESPONSE
1	Mar22.09 17:50:57	GAMMA	0.000 [API-GR]	20.000 [CPS]
2	Mar22.09 17:50:57	GAMMA	250.000 [API-GR]	278.000 [CPS]
3	Mar22.09 17:51:32	VOLTAGE	30.450 [MV]	6482.000 [CPS]
4	Mar22.09 17:51:32	VOLTAGE	232.800 [MV]	33790.000 [CPS]
5	Mar22.09 17:52:18	CALIPER	8.900 [CM]	143340.000 [CPS]
6	Mar22.09 17:52:18	CALIPER	21.000 [CM]	425662.000 [CPS]
7	Mar22.09 17:53:03	DEN(LS)	1.000 [G/CC]	26210.000 [CPS]
8	Mar22.09 17:53:03	DEN(LS)	2.323 [G/CC]	2550.000 [CPS]
9	Mar22.09 17:53:32	DEN(SS)	1.000 [G/CC]	51170.000 [CPS]
10	Mar22.09 17:53:32	DEN(SS)	2.323 [G/CC]	18080.000 [CPS]
11	Apr11.09 11:47:49	CALIPERL	7.620 [CM]	108900.000 [CPS]
12	Apr11.09 11:47:49	CALIPERL	20.000 [CM]	238606.000 [CPS]
13	Mar22.09 17:55:23	CURRENT	30.500 [UA]	5796.200 [CPS]
14	Mar22.09 17:55:23	CURRENT	232.800 [UA]	22880.000 [CPS]
15	Mar22.09 17:50:18	F	Default [CPS]	
16	Mar22.09 17:50:18	X	Default [CPS]	

PLAN VIEW COMPU-LOG DEVIATION

CLIENT: TREFI COAL CORP.
 LOCATION: UPPER HIGHHAT
 HOLE ID: DH09-04
 DATE OF LOG: 04/23/09
 PROBE: 9057A 4416



SCALE: 2 M/CM
 TRUE DEPTH: 156.89 M
 AZIMUTH: 117.8
 DISTANCE: 14.9 M
 + = 10 M INCR
 ○ = BOTTOM OF HOLE



* * * * * COMPU-LOG - VERTICAL DEVIATION * * * * *

CLIENT : TREFI COAL CORP. HOLE ID. : DH09-04
 FIELD OFFICE : CENTURY GEO DATE OF LOG : 04/23/09
 DATA FROM : N/A PROBE : 9057A , 4416
 MAG. DECL. : 19.900 DEPTH UNITS : METERS
 LOG: DH09-04_04-23-09_03-52_9057A_02_-0.75_157.97_DEVI.log

CABLE DEPTH	TRUE DEPTH	NORTH DEV.	EAST DEV.	DISTANCE	AZIMUTH	SANG	SANGB
6.10	6.11	-0.00	0.00	0.0	104.2	1.2	104.2
8.00	8.01	-0.01	0.04	0.0	109.2	1.3	116.2
10.00	10.01	-0.04	0.08	0.1	114.7	1.5	125.5
12.00	12.01	-0.07	0.12	0.1	119.9	1.6	132.9
14.00	14.01	-0.11	0.16	0.2	124.3	1.7	136.6
16.00	16.01	-0.16	0.20	0.3	128.1	2.0	141.3
18.00	18.01	-0.22	0.25	0.3	131.2	2.1	145.1
20.00	20.00	-0.28	0.29	0.4	133.9	2.1	148.1
22.00	22.00	-0.34	0.33	0.5	136.3	2.3	147.7
24.00	24.00	-0.41	0.37	0.6	138.4	2.4	151.3
26.00	26.00	-0.49	0.41	0.6	140.3	2.6	162.6
28.00	28.00	-0.57	0.45	0.7	141.8	2.7	150.9
30.00	29.99	-0.65	0.49	0.8	142.8	2.7	148.2
32.00	31.99	-0.75	0.54	0.9	144.2	3.3	156.4
34.00	33.99	-0.85	0.59	1.0	145.3	3.2	155.6
36.00	35.99	-0.95	0.64	1.1	146.1	3.4	153.5
38.00	37.98	-1.07	0.69	1.3	147.0	3.9	156.4
40.00	39.98	-1.19	0.75	1.4	147.9	3.9	160.6
42.00	41.97	-1.32	0.80	1.5	148.6	4.1	153.8
44.00	43.97	-1.45	0.86	1.7	149.3	4.3	155.3
46.00	45.96	-1.58	0.92	1.8	149.7	4.0	151.1
48.00	47.96	-1.71	0.99	2.0	149.8	4.3	151.6
50.00	49.95	-1.84	1.07	2.1	149.9	4.2	146.7
52.00	51.94	-1.96	1.16	2.3	149.5	4.5	140.8
54.00	53.94	-2.09	1.26	2.4	148.9	4.5	142.5
56.00	55.93	-2.21	1.36	2.6	148.3	4.8	140.4
58.00	57.92	-2.34	1.48	2.8	147.7	4.8	136.2
60.00	59.92	-2.46	1.60	2.9	147.0	4.9	134.3
62.00	61.91	-2.57	1.72	3.1	146.2	5.0	130.3
64.00	63.90	-2.69	1.86	3.3	145.4	5.1	130.8
66.00	65.89	-2.80	1.99	3.4	144.6	5.1	128.7
68.00	67.89	-2.91	2.14	3.6	143.7	5.3	125.5
70.00	69.88	-3.01	2.29	3.8	142.8	5.5	123.7
72.00	71.87	-3.12	2.46	4.0	141.8	5.6	121.1
74.00	73.86	-3.21	2.62	4.1	140.7	5.6	117.4
76.00	75.85	-3.30	2.80	4.3	139.8	5.6	116.3
78.00	77.84	-3.38	2.98	4.5	138.6	5.9	112.4
80.00	79.83	-3.46	3.17	4.7	137.5	5.9	115.7
82.00	81.82	-3.54	3.36	4.9	136.5	6.1	111.7
84.00	83.81	-3.61	3.57	5.1	135.4	6.3	108.1
86.00	85.79	-3.69	3.76	5.3	134.4	5.9	110.1
88.00	87.78	-3.77	3.96	5.5	133.6	6.9	110.5
90.00	89.77	-3.85	4.18	5.7	132.6	6.9	111.6
92.00	91.75	-3.94	4.42	5.9	131.7	7.2	102.7
94.00	93.74	-4.02	4.66	6.2	130.7	7.4	108.2
96.00	95.72	-4.10	4.91	6.4	129.9	7.4	113.4
98.00	97.70	-4.19	5.15	6.6	129.2	7.3	109.1
100.00	99.68	-4.28	5.40	6.9	128.4	7.8	109.6
102.00	101.67	-4.36	5.66	7.1	127.6	7.6	107.9
104.00	103.65	-4.44	5.91	7.4	126.9	7.9	107.3
106.00	105.63	-4.52	6.18	7.7	126.2	8.1	107.4
108.00	107.61	-4.61	6.45	7.9	125.5	7.9	107.8
110.00	109.59	-4.69	6.71	8.2	125.0	7.9	107.7
112.00	111.57	-4.77	6.97	8.4	124.4	7.9	108.7
114.00	113.55	-4.86	7.23	8.7	123.9	7.9	107.3
116.00	115.53	-4.94	7.50	9.0	123.4	8.0	107.6
118.00	117.51	-5.03	7.76	9.2	122.9	8.0	108.3
120.00	119.49	-5.12	8.03	9.5	122.5	7.9	108.6
122.00	121.47	-5.20	8.29	9.8	122.1	7.9	108.1
124.00	123.46	-5.29	8.55	10.1	121.8	8.0	108.5
126.00	125.44	-5.38	8.81	10.3	121.4	8.0	109.2
128.00	127.42	-5.48	9.08	10.6	121.1	8.1	108.7
130.00	129.40	-5.57	9.35	10.9	120.8	8.3	109.0
132.00	131.38	-5.66	9.62	11.2	120.5	8.3	109.6
134.00	133.35	-5.76	9.89	11.4	120.2	8.3	109.8
136.00	135.33	-5.86	10.17	11.7	119.9	8.5	109.5
138.00	137.31	-5.96	10.44	12.0	119.7	8.3	110.3
140.00	139.29	-6.06	10.71	12.3	119.5	8.4	109.9
142.00	141.27	-6.16	10.99	12.6	119.3	8.3	110.1
144.00	143.25	-6.26	11.26	12.9	119.1	8.4	110.3
146.00	145.23	-6.36	11.53	13.2	118.9	8.4	109.9
148.00	147.20	-6.47	11.81	13.5	118.7	8.6	110.4
150.00	149.18	-6.57	12.09	13.8	118.5	8.5	110.3
152.00	151.16	-6.67	12.37	14.1	118.3	8.9	110.2
154.00	153.14	-6.77	12.66	14.4	118.1	8.8	109.2
156.00	155.11	-6.88	12.95	14.7	118.0	9.1	109.7
157.80	156.89	-6.97	13.22	14.9	117.8	8.9	110.7

COMPANY : TREFI COAL CORP
WELL : DH09-04
FIELD : UPPER HIGHHAT
COUNTRY : CANADA
PROVINCE : BRITISH COLUMBIA

OTHER SERVICES:
NEUTRON

LOCATION : UPPER HIGHHAT
SECTION : N/A
TOWNSHIP : N/A
RANGE : N/A
LICENCE NO. : N/A

UNIQUE WELL ID :
PERMANENT DATUM : GL
LOG MEASURED FROM : GL
DIL MEASURED FROM : GL

DATE : 04/22/09
DEPTD DRILLER :
BIT SIZE : 13.97
LOG TOP : 1.31
LOG BOTTOM : 157.89
CASING LOGGER : K.27

ARRIVAL TIME :
DEPARTURE TIME :
CIRC STOPPED : N/A

CASING DRILLER : K.27
CASING TYPE : STEEL
BOREHOLE FLUID : WATER
RM TEMPERATURE : N/A
MUD RES : N/A

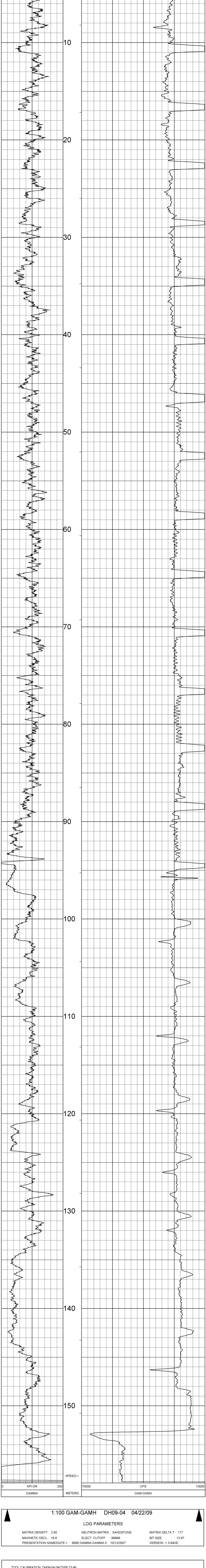
MUD WEIGHT : 1.00
WITNESSED BY : J. NEAL
RECORDED BY :
REMARKS 1 : VERTICAL
REMARKS 2 :

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS

1:100 GAM-GAMH DH09-04 04/22/09

LOG PARAMETERS

MATRIX DENSITY : 2.65 NEUTRON MATRIX : SANDSTONE MATRIX DELTA T : 177
MAGNETIC DECL : 19.9 ELECT. CUTOFF : 99999 BIT SIZE : 13.97
PRESENTATION NAME/DATE = 9068 GAMMA-GAMMA.0 10/12/2007 VERSION = 3.64HE



1:100 GAM-GAMH DH09-04 04/22/09

LOG PARAMETERS

MATRIX DENSITY : 2.65 NEUTRON MATRIX : SANDSTONE MATRIX DELTA T : 177
MAGNETIC DECL : 19.9 ELECT. CUTOFF : 99999 BIT SIZE : 13.97
PRESENTATION NAME/DATE = 9068 GAMMA-GAMMA.0 10/12/2007 VERSION = 3.64HE

TOOL	DATE	TIME	SENSOR	STANDARD	RESPONSE
TOOL 9068A	Jun28.04	18:14:02	GAMMA	3.000 [API-GR]	1.000 [CPS]
SERIAL NUMBER 643	Jun28.04	18:14:02	GAMMA	265.000 [API-GR]	81.000 [CPS]

COMPANY : TREFI COAL CORP
WELL : DH09-04
FIELD : UPPER HIGHHAT
COUNTRY : CANADA
PROVINCE : BRITISH COLUMBIA

OTHER SERVICES:
NEUTRON

LOCATION : UPPER HIGHHAT
SECTION : N/A
TOWNSHIP : N/A
RANGE : N/A
LICENCE NO. : N/A

UNIQUE WELL ID :
PERMANENT DATUM : GL
LOG MEASURED FROM : GL
DIL MEASURED FROM : GL

DATE : 04/22/09
DEPTH DRILLER : :
BIT SIZE : :
LOG TOP : :
LOG BOTTOM : :
CASING LOGGER : :
CASING DRILLER : :
CASING TYPE : :
BOREHOLE FLUID : :
RM TEMPERATURE : :
MUD RES : :
MUD WEIGHT : :
WITNESSED BY : :
RECORDED BY : :
REMARKS 1 : :
REMARKS 2 :

ELEVATION KB : N/A
ELEVATION OF : N/A
ELEVATION GL : N/A
LOG NUMBER : :
LOGGER TO : :
ARRIVAL TIME : :
DEPARTURE TIME : :
CIRC STOPPED : N/A

LOG TOP : :
LOG BOTTOM : :
CASING LOGGER : :
CASING DRILLER : :
CASING TYPE : :
BOREHOLE FLUID : :
RM TEMPERATURE : :
MUD RES : :
MUD WEIGHT : :
WITNESSED BY : :
RECORDED BY : :
REMARKS 1 : :
REMARKS 2 :

LOG TOP : :
LOG BOTTOM : :
CASING LOGGER : :
CASING DRILLER : :
CASING TYPE : :
BOREHOLE FLUID : :
RM TEMPERATURE : :
MUD RES : :
MUD WEIGHT : :
WITNESSED BY : :
RECORDED BY : :
REMARKS 1 : :
REMARKS 2 :

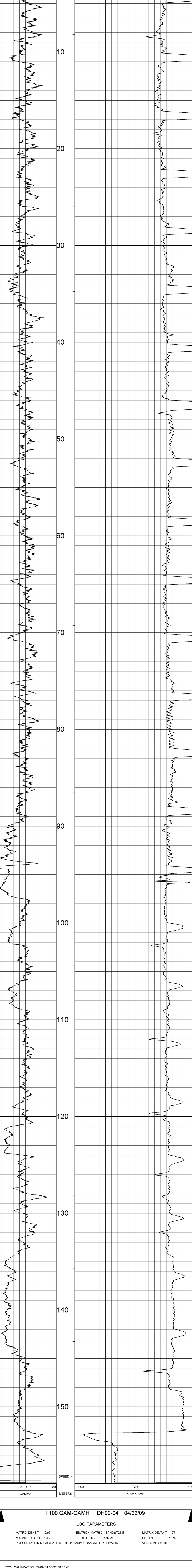
LOG TOP : :
LOG BOTTOM : :
CASING LOGGER : :
CASING DRILLER : :
CASING TYPE : :
BOREHOLE FLUID : :
RM TEMPERATURE : :
MUD RES : :
MUD WEIGHT : :
WITNESSED BY : :
RECORDED BY : :
REMARKS 1 : :
REMARKS 2 :

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS

1:100 GAM-GAMH DH09-04 04/22/09

LOG PARAMETERS

MATRIX DENSITY : 2.65 NEUTRON MATRIX : SANDSTONE MATRIX DELTA T : 177
MAGNETIC DECL : 19.9 ELECT. CUTOFF : 99999 BIT SIZE : 13.97
PRESENTATION NAME/DATE = 9068 GAMMA-GAMMA.0 10/12/2007 VERSION = 3.64HE



1:100 GAM-GAMH DH09-04 04/22/09

LOG PARAMETERS

MATRIX DENSITY : 2.65 NEUTRON MATRIX : SANDSTONE MATRIX DELTA T : 177
MAGNETIC DECL : 19.9 ELECT. CUTOFF : 99999 BIT SIZE : 13.97
PRESENTATION NAME/DATE = 9068 GAMMA-GAMMA.0 10/12/2007 VERSION = 3.64HE

TOOL CALIBRATION DH09-04 04/22/09 23:46
TOOL 9068A TM VERSION 1
SERIAL NUMBER 643

DATE	TIME	SENSOR	STANDARD	RESPONSE
1 Jun28.04	18:14:02	GAMMA	3.000 [API-GR]	1.000 [CPS]
Jun28.04	18:14:02	GAMMA	265.000 [API-GR]	81.000 [CPS]

COMPANY	THE LOGICAL CORP.	OTHER SERVICES:	NEUTRON
WELL	DH09-04		
FIELD	UPPER HIGHHAT		
COUNTRY	CANADA		
PROVINCE	BRITISH COLUMBIA		
LOCATION	UPPER HIGHHAT		
SECTION	N/A		
TOWNSHIP	N/A		
RANGE	N/A		
LICENCE NO.	N/A		
UNIQUE WELL ID			
PERMANENT DATUM	GL	ELEVATION KB	N/A
LOG MEASURED FROM	GL	ELEVATION DF	N/A
DRL MEASURED FROM	GL	ELEVATION QL	N/A
DATE	04/23/09	RIG NUMBER	
DEPT/ DRILLER	-161 84	LOGGER ID	
BIT SIZE	13.97	ARRIVAL TIME	
LOG TOP	-9.79	DEPARTURE TIME	
LOG BOTTOM	-157.87	CIRC STOPPED	N/A
CASING LOGGER	4.27		
CASING DRILLER	4.27		
CASING TYPE	STEEL		
BOREHOLE FLUID	WATER		
RAM TEMPERATURE	N/A		
MUD RES	N/A		
MUD WEIGHT	1.00		
WITNESSED BY	J. NEAL		
RECORDED BY	VERTICAL		
REMARKS 1			
REMARKS 2			

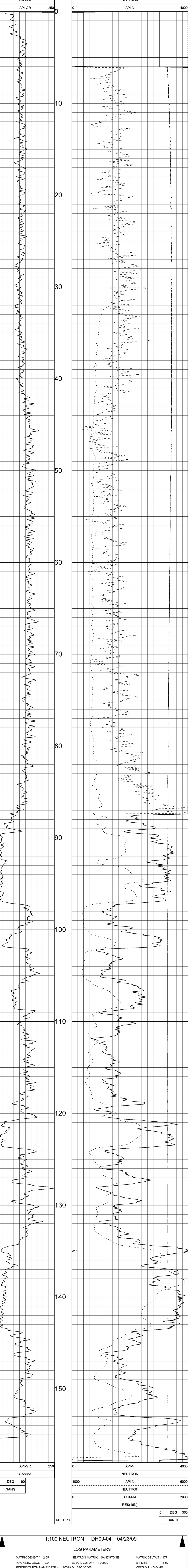
1:100 NEUTRON DH09-04 04/23/09

LOG PARAMETERS

MATRIX DENSITY : 2.65 NEUTRON MATRIX : SANDSTONE MATRIX DELTA T : 177

MAGNETIC DECL : 19.9 ELECT_CUTOFF : 99999 BIT SIZE : 13.97

PRESENTATION NAME/DATE = 9057A.0 02/24/2008 VERSION = 3.64HE



1:100 NEUTRON DH09-04 04/23/09

LOG PARAMETERS

MATRIX DENSITY : 2.65 NEUTRON MATRIX : SANDSTONE MATRIX DELTA T : 177

MAGNETIC DECL : 19.9 ELECT_CUTOFF : 99999 BIT SIZE : 13.97

PRESENTATION NAME/DATE = 9057A.0 02/24/2008 VERSION = 3.64HE

TOOL CALIBRATION DH09-04 04/23/09 03:52

TOOL 9239C1 TM VERSION 2021

SERIAL NUMBER 4416

DATE	TIME	SENSOR	STANDARD	RESPONSE
1	Mar22,09 17:50:57	GAMMA	0.000 [API-GR]	20.000 [CPS]
	Mar22,09 17:50:57	GAMMA	250.000 [API-GR]	278.000 [CPS]
2	Mar22,09 17:51:32	VOLTAGE	30.450 [MV]	6482.000 [CPS]
	Mar22,09 17:51:32	VOLTAGE	232.800 [MV]	33790.000 [CPS]
3	Mar22,09 17:52:18	CALIPER	8.900 [CM]	143340.000 [CPS]
	Mar22,09 17:52:18	CALIPER	21.000 [CM]	425662.000 [CPS]
4	Mar22,09 17:53:03	DEN(LS)	1.000 [G/CC]	2550.000 [CPS]
	Mar22,09 17:53:03	DEN(LS)	2.323 [G/CC]	51170.000 [CPS]
5	Mar22,09 17:53:32	DEN(SS)	1.000 [G/CC]	18080.000 [CPS]
	Mar22,09 17:53:32	DEN(SS)	2.323 [G/CC]	108900.000 [CPS]
6	Apr11,09 11:47:49	CALIPERL	7.620 [CM]	238606.000 [CPS]
	Mar22,09 17:55:23	CALIPER	20.000 [CM]	5796.200 [CPS]
7	Mar22,09 17:55:23	CURREN	30.500 [UA]	22880.000 [CPS]
	Mar22,09 17:55:23	CURREN	232.800 [UA]	27880.000 [CPS]