

K-Shell-Lodgepole 80(3)A

82617

Lodgepole Project

Drill Hole Data

Vol 2

CL# 490-495, 4729-4735

May 1981

B.W. McKinstry

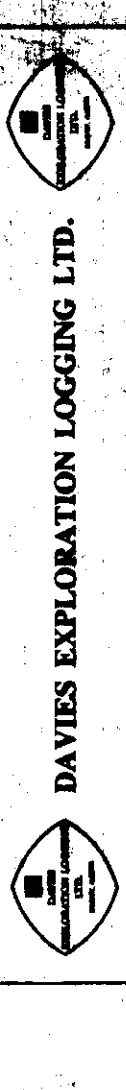
428

5 of 5

102

428

Cap VI



DAVIES EXPLORATION LOGGING LTD.

COMPANY Geomatics Resources

HOLE NUMBER LP-301

LOCATION Lodge Pole

PROVINCE B.C.

ELEVATION

LOG TYPE: CALPER, NATURAL GAMMA, RESISTIVITY DENSITY

DATE July 20 1980

DRILLED DEPTH 93 m

LOGGED DEPTH 93 m

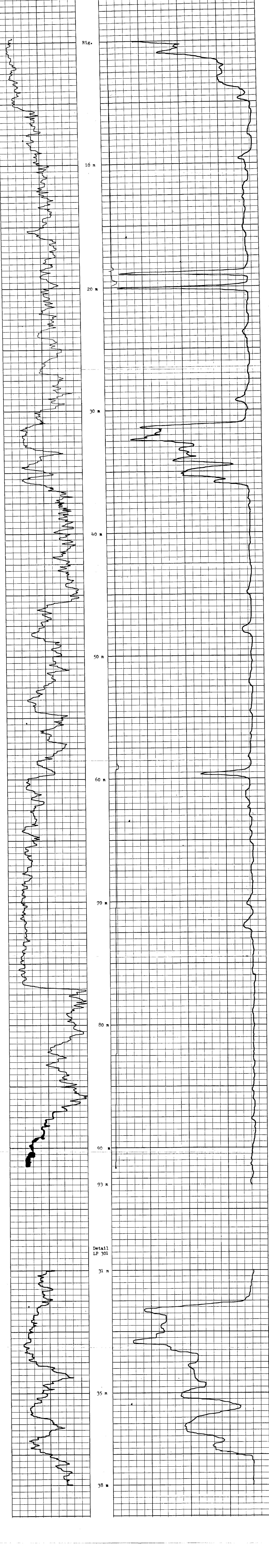
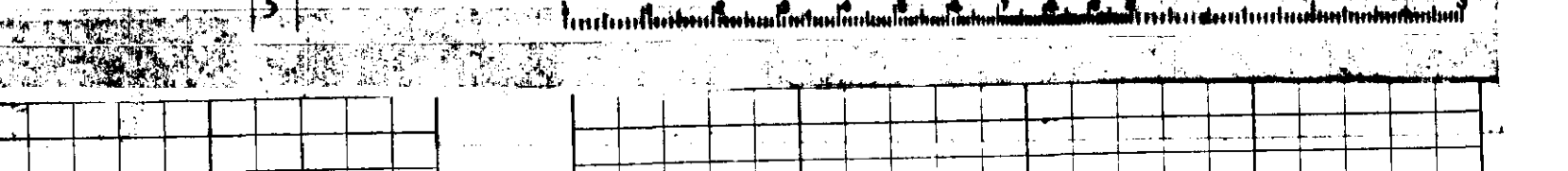
ZERO DATUM B.L.G.

HOLE DIAMETER 114

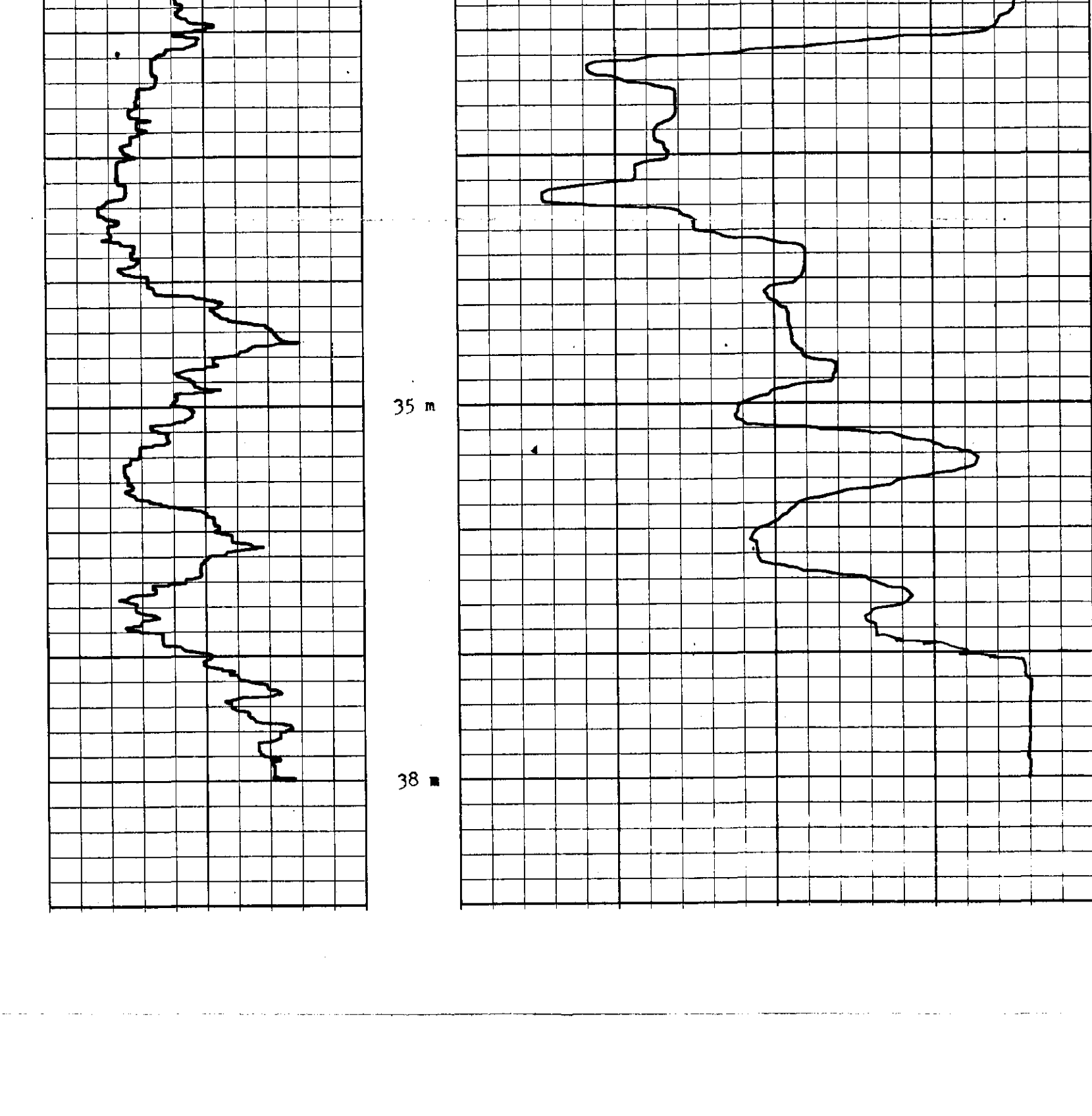
CASING LENGTH 5.5 m

REMARKS: Casing 1 m Down

(1)

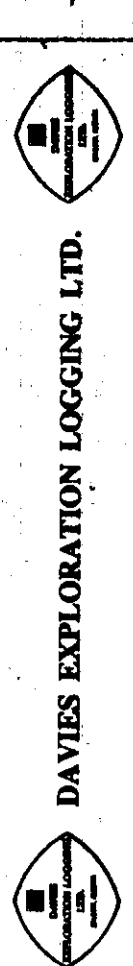


Detail LP 301



K. Skell. Logged by S.D.

App. VI



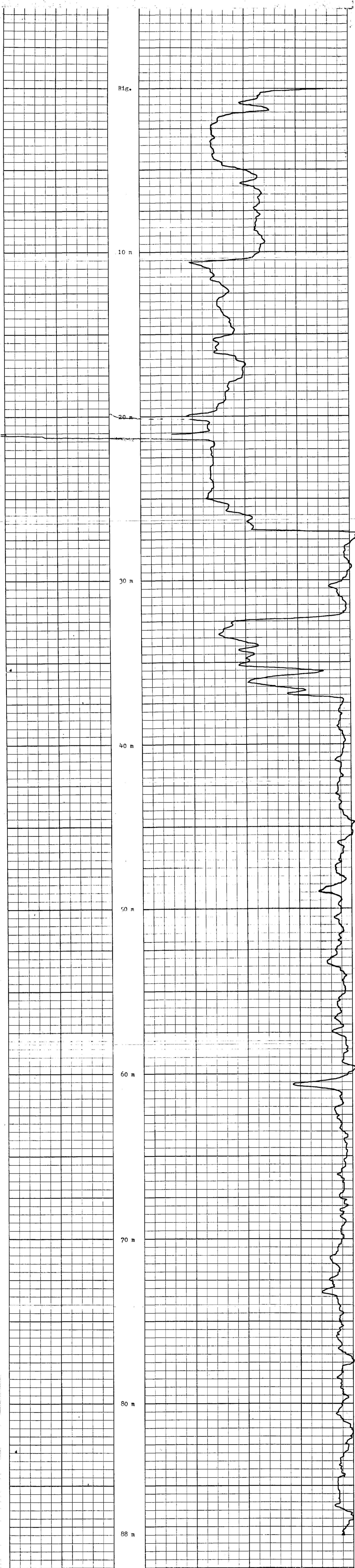
DAVIES EXPLORATION LOGGING LTD.

COMPANY	Crows Nest Resources
HOLE NUMBER	IP - 301
LOCATION	Lodge Pole
PROVINCE	B.C.
ELEVATION	
LOG TYPE	Long Spaced Density
DATE	July 20 1980
DRILLED DEPTH	93 m
LOGGED DEPTH	88 m
ZERO DATUM	Rig
HOLE DIAMETER	HQ.
CASING LENGTH	T.D.
REMARKS:	

17 K L.S.D.

7 K

② 423^{5/5}



F-S-111 (Log type 6-80(3)A)

Page VI



DAVIES EXPLORATION LOGGING LTD.

COMPANY Crown Reef Resources
HOLE NUMBER IP-202

LOCATION Lodgepole Boie
PROVINCE B.C.
ELEVATION _____

LOG TYPE Natural Gamma & Neutrons

DATE July 20 1980

DRILLED DEPTH 93 m

LOGGED DEPTH 88 m

ZERO DATUM R1K

HOLE DIAMETER 8 1/2"

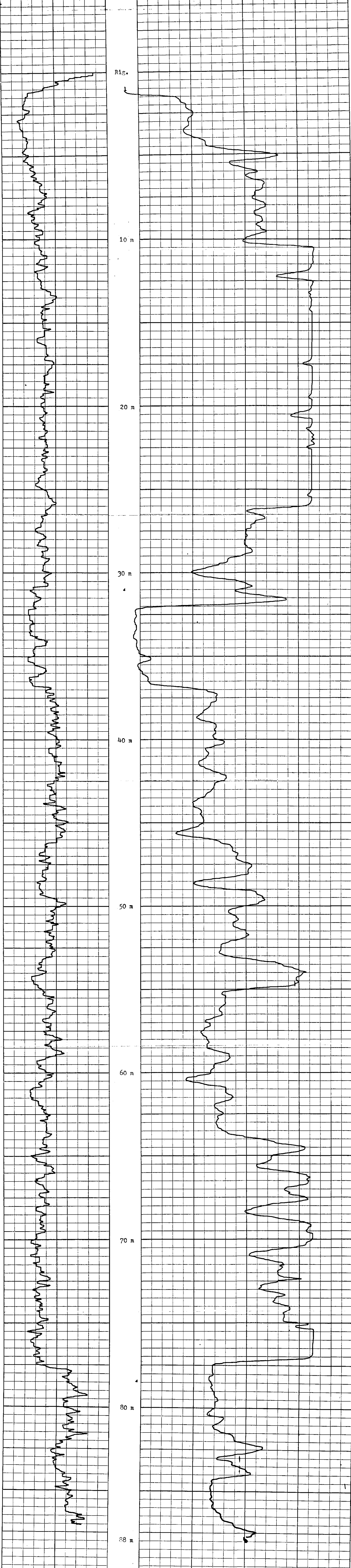
CASING LENGTH _____
REMARKS T.D.

428

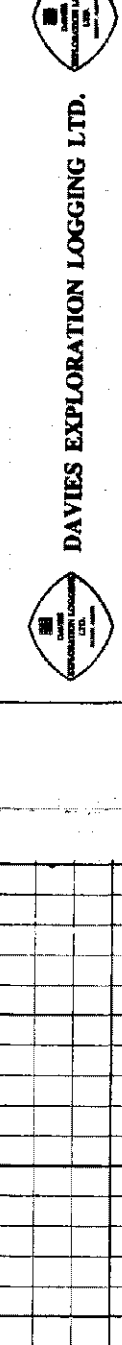
(3)

5/5

0 Gamma 50 200 Neutron 1.2K



099-V1
K-S-Sub Logpage 823/4



COMPANY: Crown West Resources
HOLE NUMBER: LE - 2102

LOCATION: Logare P.O. B.C.

ELEVATION: Long Special Density

DATE: July 17 1980

DRILLER DEPTH: 288 m

LOGGED DEPTH: 287 m

LOG DEPTH: 287 m

LOG DEPTH: 287 m

LOG DEPTH: 287 m

LOG DEPTH: 287 m

LOG DEPTH: 287 m

LOG DEPTH: 287 m

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LOG DEPTH: 287 m

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LOG DEPTH: 287 m

LOG DEPTH: 287 m

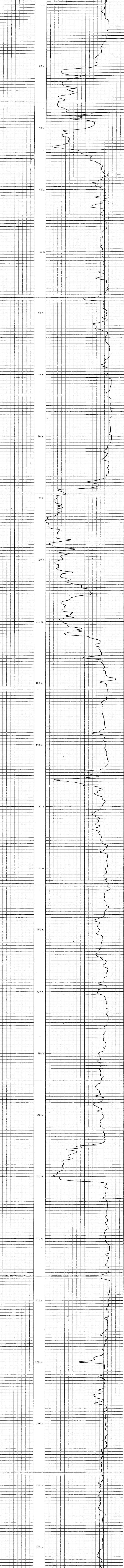
LOG DEPTH: 287 m

LOG DEPTH: 287 m

LOG DEPTH: 287 m

LOG DEPTH: 287 m

LOG DEPTH: 287 m



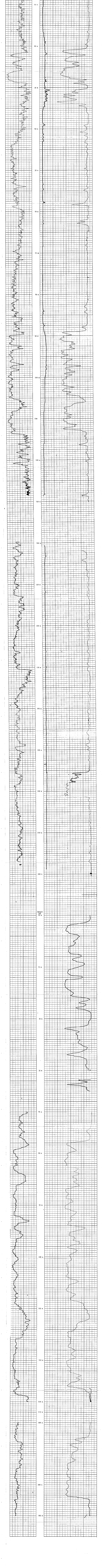
14K L.S.D.

828
④

ES-3446 (Log) 8/17/50

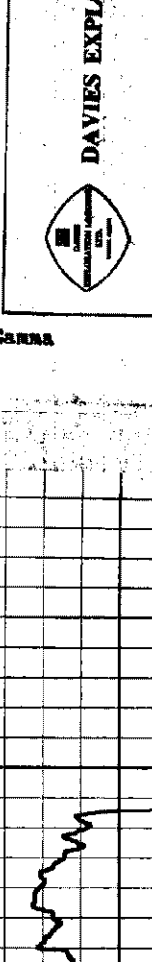
COMPANY	Dames & Moore, Inc.
WELL NUMBER	ST-102
LOCATION	LAGUNA TRAIL
PROVINC	B.C.
ELEVATION	
LOG TYPE	ALPHA NATURAL GAMMA
DATE	JULY 17 1950
LOGGED DEPTH	238 m
LOGGED FEET	238 m
LOG NUMBER	314
LOG LENGTH	7 m
LOG NUMBER	Stick # 140 m Type & Log. Foot 130
LOG NUMBER	21111 3' 10" 10" 5' 10" 10"

⑤ 428



5-5446449083, 542377

APP. VI



DAVIES EXPLORATION LOGGING LTD.
Geophysical Logging Division

COMPANY: Crown West Resources
HOLE NUMBER: LP - 302
LOCATION: Lodge Pole

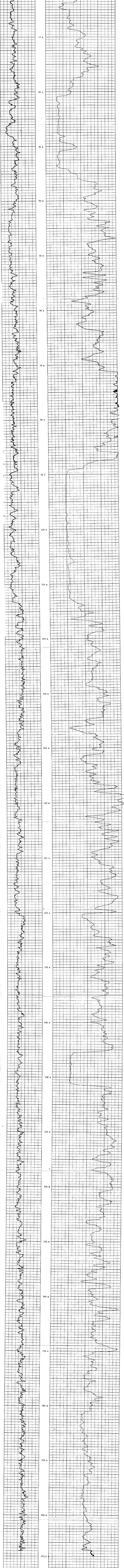
PROVINCE: B.C.
ELEVATION: 3000

LOG TYPE: Natural Gamma & Neutron
DATE: July 17 1950
DRILLED DEPTH: 289 m
LOGGED DEPTH: 287.5 m

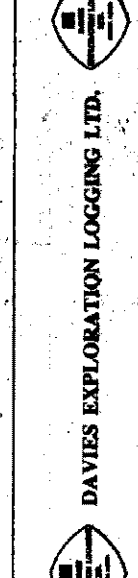
ZERO DATUM: RL 100
HOE DIAMETER: 100
CASING LENGTH: T. D.

REMARKS:

428
5/5



Op. 21
E. Shell Logbook 2013
19
14



DAVIES EXPLORATION LOGGING LTD.

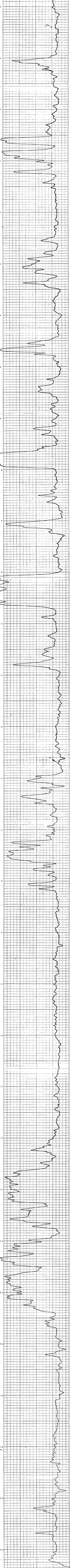
COMPANY	DAVIES EXPLORATION LOGGING LTD.
WELL NUMBER	EP - 303
LOCATION	Block 303
PROVINC	B.C.
ELEVATION	
LOG TYPE	Long Spaced Density
DATE	Sept. 2, 1950
WELL DEPTH	321 m
LOG DEPTH	320 m
LOG LATITUDE	6.14
LOG LONGITUDE	101.1
LOG DIAMETER	100 mm
LOG LENGTH	320 m
REMARKS	

⑦ 428 1/8

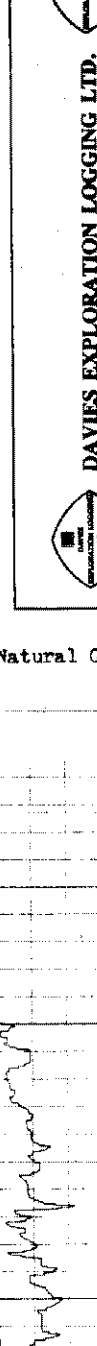
1. S. D.

64

0 m
10 m
20 m
30 m
40 m
50 m
60 m
70 m
80 m
90 m
100 m
110 m
120 m
130 m
140 m
150 m
160 m
170 m
180 m
190 m
200 m
210 m
220 m
230 m
240 m
250 m
260 m
270 m
280 m
290 m
300 m
310 m
320 m



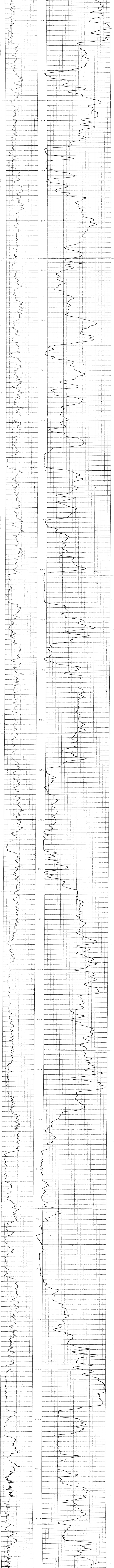
8444
K-Skill-Copyrite 80(35A)




DAVES EXPLORATION LOGGING LTD.

COMPANY	Country West Enterprises
WELL NUMBER	17 - 207
LOCATION	Logan Pole
PROVINC	B.C.
ELEVATION	
LOG TYPE	Natural Gamma & Neutron
DATE	Sept. 2 1960
SHOULDER DEPTH	321 m
LOG DEPTH	321 m
LOG SCALE	C.I.
LOG DIAMETER	3 1/2"
CORRECTION	T.D.
REMARKS	

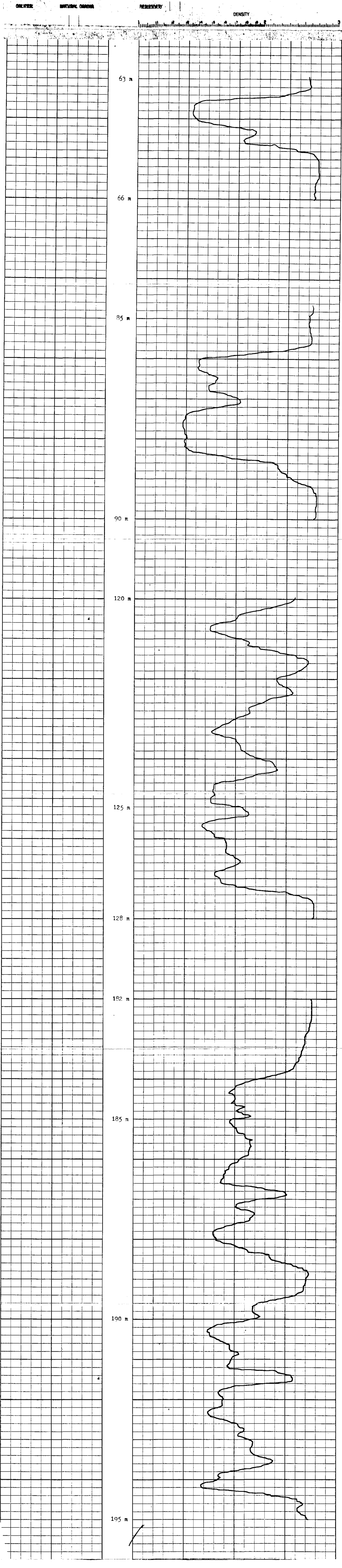
428
8




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K-5-Sub-Calgary 801317
1/1

	
DAVIES EXPLORATION LOGGING LTD.	
COMPANY	Crows Nest Resources
HOLE NUMBER	LP - 304
LOCATION	Lodge Pole
PROVINCE	B.C.
ELEVATION	
LOG TYPE	SHAPELOG, RESISTANCE, GRAVIMETER, RESISTIVITY, DENSITY
DATE	July 25 1986
DRILLED DEPTH	Detail
LOGGED DEPTH	
ZERO DATUM	G.L.
HOLE DIAMETER	HQ.
CASING LENGTH	nil
REMARKS	Detail Log Depth Shown

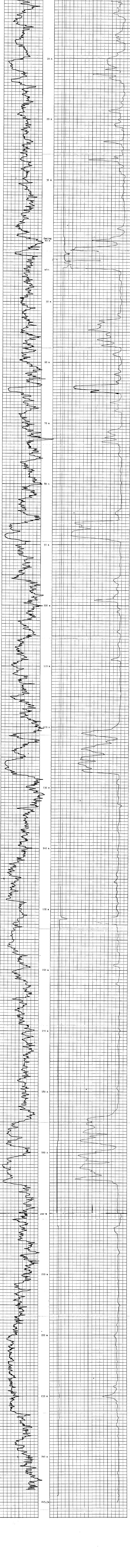
428
9



6440 V.
 C-Side Log Note 88(3) 1/1
 150

 DAVIES EXPLORATION LOGGING LTD.	
COMPANY	DAVIES EXPLORATION LOGGING LTD.
WELL NUMBER	IP - 302
LOCATION	Logore 501e
PROVINCE	B.C.
ELEVATION	
LOG TYPE	CAIPER NATURAL GAMMA RESISTIVITY
DATE	JULY 23, 1950
DRILLED DEPTH	250 m
LOGGED DEPTH	247.5 m
SECTION	C.L.
WELL DIAMETER	40 m
CASING LENGTH	
REMARKS	Drift 1' Baseing 573' @ 100 m Drift 1' Baseing 567' @ 100 m

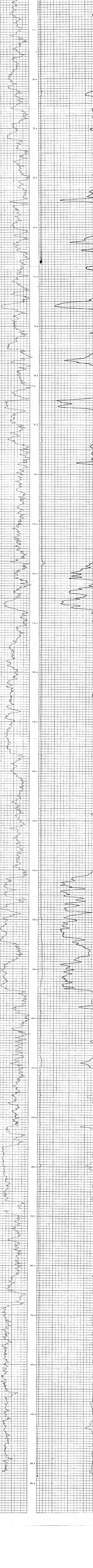
10 428 5



K-Cl-11 Log # 8028

DAVIES EXPLORATION LOGGING LTD.	
COMPANY	DAVIES EXPLORATION LOGGING LTD.
LOG NUMBER	LP 8028
LOCATION	LOG# 8028
PROVINC	B.C.
ELEVATION	
LOG TYPE	DAVIES EXPLORATION LOGGING LTD.
DATE	Aug. 7, 1960
DRILLER	W.A.S.
LOGGED BY	W.S.
LOG LENGTH	100
REMARKS	100' Gamma & Log

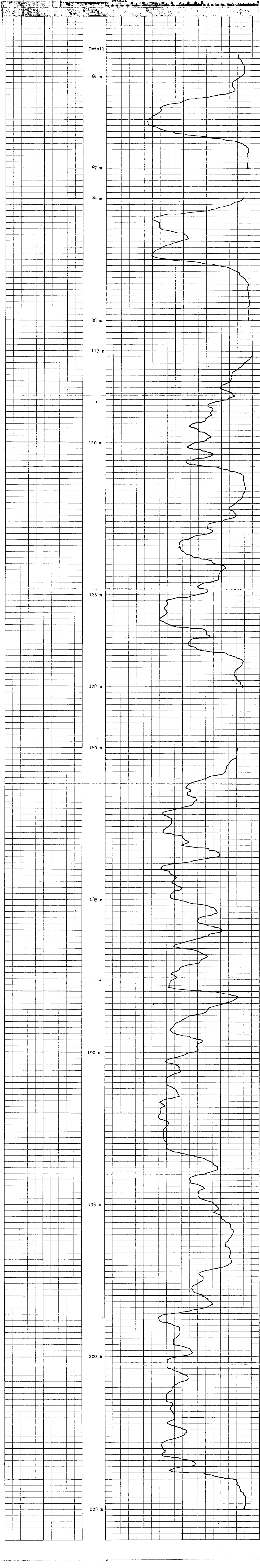
4285



208
L-9-211 (Log) 8/3/80 app. vi

DAVIES EXPLORATION LOGGING LTD.	
COMPANY	Crows Nest Resources
HOLE NUMBER	LP. - 305
LOCATION	Lodge Pole
PROVINCE	B.C.
ELEVATION	
LOG TYPE	CASED-HOLE LOG - GRAIN, RESISTIVITY, DENSITY
DATE	AUG. 7 1980
DRILLED DEPTH	304
LOGGED DEPTH	
ZERO DATUM	C.L.C.
HOLE DIAMETER	5 1/8"
CASING LENGTH	
REMARKS	

428
13
5/5



f-Shull - Lodgepole 8031A

8/2



DAVIES EXPLORATION LOGGING LTD.



COMPANY Crows Nest Resources
HOLE NUMBER LP - 316

LOCATION Lodge Pole
PROVINCE B.C.

ELEVATION _____

LOG TYPE: Natural Gamma & Neutron

DATE Sept. 24 1980

DRILLED DEPTH 60 m

LOGGED DEPTH 59 m

ZERO DATUM C.I.

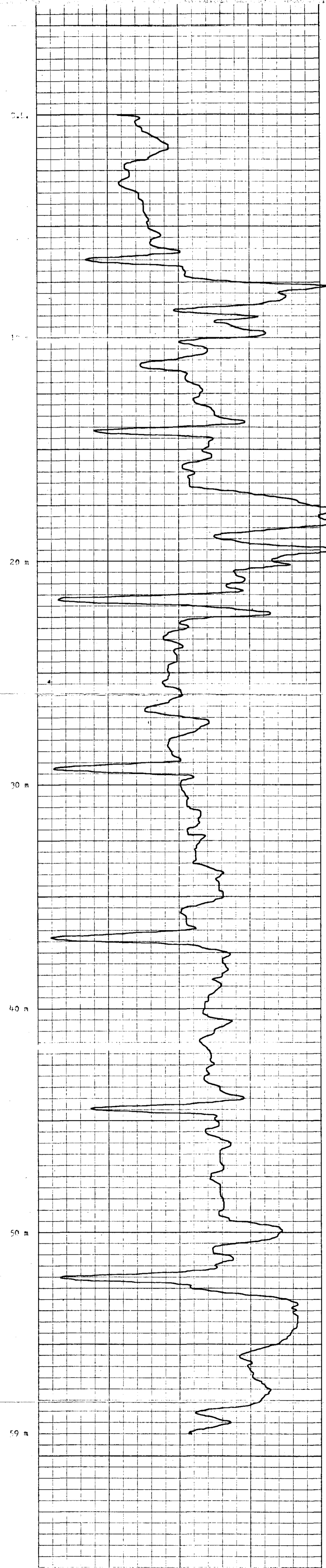
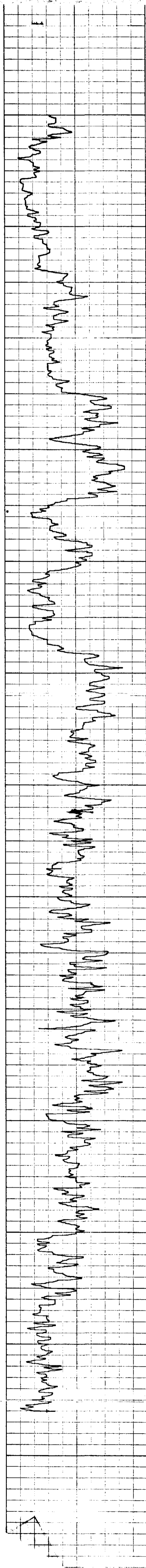
HOLE DIAMETER 6 1/8"

CASING LENGTH T.D.

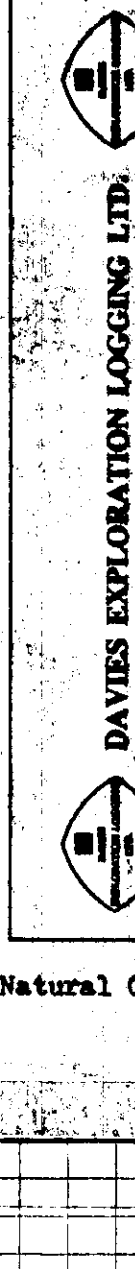
REMARKS _____

428 ⁵/₅
⑬

0 Natural Gamma 25 200 Neutron 120



100
K. Skell-Ledgwick 8/2/79 APP-VI



DAVIES EXPLORATION LOGGING LTD.

COMPANY: CORONA WEST BEAVERCREEK
HOLE NUMBER: 4.P. 307

LOCATION: Loch Lomond
PROVINCE: P.C.

ELEVATION: _____

LOG TYPE: Natural Gamma & Neutron

DATE: July 13, 1980
DRILLED DEPTH: 195 m

LOGGED DEPTH: 191 m
ZERO DATUM: RIS

HOLE DIAMETER: 100
CASING LENGTH: T.D.

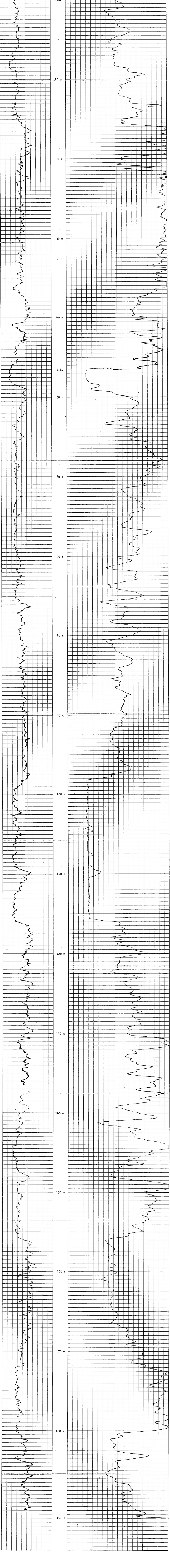
REMARKS: _____

824
①

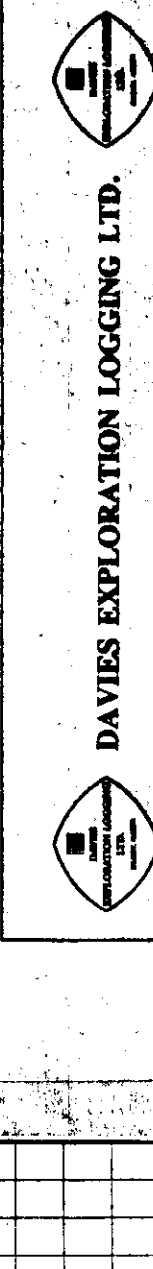
0 Natural Gamma

0 Neutron

1K



1. Sull-L... 8/2/80



DAVIES EXPLORATION LOGGING LTD.

COMPANY: G. Ross, West, Redoubt

HOLE NUMBER: LP - 207

LOCATION: Lodge Pole

PROVINCE: B.C.

ELEVATION:

LOG TYPE: J.S.D.

DATE: July 13 1980

DRILLED DEPTH: 95 m

LOGGED DEPTH: 91 m

ZERO DATUM: P.L.G.

BORE DIAMETER: 1R.

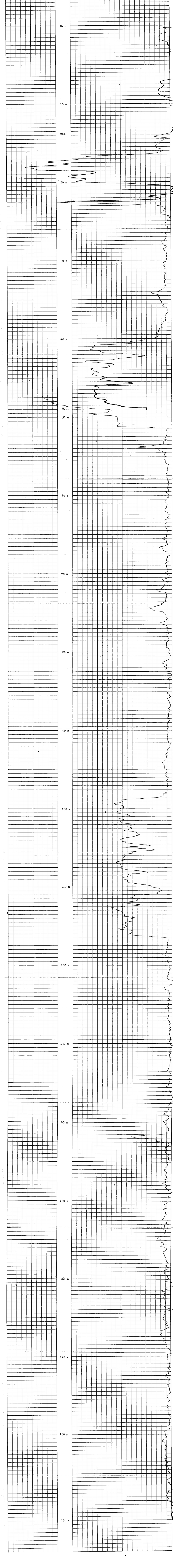
CASING LENGTH: T.D.

REMARKS:

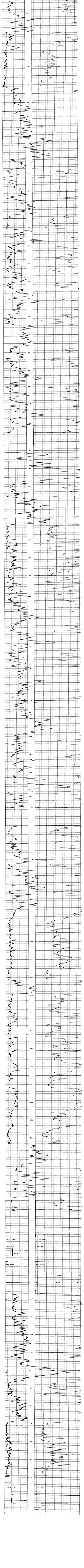
428 5/8

(16)

18K Long Space Density



File No. _____
Company: ROCKOIL AREA: ALBERTA
Well: 22M-306
Location: 22M-306
Field: 22M-306
Operator: ROCKOIL
Date: _____
Time: _____
Remarks: _____



FILE NO. COMPANY *Canada West Resources Limited*
 WELL *224* LOG. TYPE *Vertical*
 LOCATION *TERRACE ROAD*
 FIELD *LEWISVILLE*
 PROPERTY OWNER *ROYAL BANK, CALGARY, ALBERTA*
 OPERATOR *ROYAL BANK, CALGARY, ALBERTA*
 DATE *11/14/61*

LOG NO. *31*
 SEC. *1*
 DEPTH *230*
 LOG TYPE *Vertical*
 LOG NO. *31*
 SEC. *1*
 DEPTH *230*

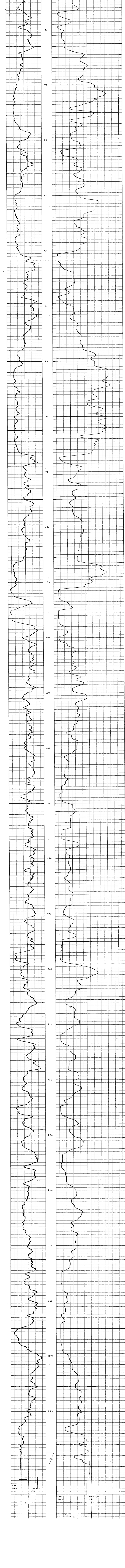
EQUIPMENT DATA

GAMMA RAY		NEUTRON	
RUN NO.	248	RUN NO.	028
TOOL MODEL NO.		LOG. TYPE	NEUTRON/NEUTRON
DIAMETER	3.175" Dia	TOOL MODEL NO.	
DETECTOR MODEL NO.	520-21147-01	DETECTOR MODEL NO.	3.172"
TYPE	12.16" Dia	TYPE	PROPORTIONAL
LENGTH	6.6 m	LENGTH	
DISTANCE TO N. SOURCE	6.6 m	SOURCE MODEL NO.	MRC-N-SS-W
GENERAL		GENERAL	
HIGHT TRUCK NO.	38	SERIAL NO.	23180
INSTRUMENT TRACK NO.	38	SPACING	2.3 / 8.0 m
TOOL SERIAL NO.	258-004	STRENGTH	3 counts

LOGGING DATA

GENERAL				GAMMA RAY				NEUTRON					
RUN NO.	248	DEPTH	230	SENS	1	ZERO	0	T.C.	2	SENS	1	ZERO	0
FROM	0	TO	230	DIV.	100	OR	1	SEC.	3	SETTINGS	1	DIV.	100
SPEED	5.5	T.C.	5.5	PER	100	R.	1	PER	100	LOG	1	OR	1
MIN	5.5	SEC.	5.5	LOG	100	UNITS	1	DIV.	100	DIV.	100	OR	1
API	1.0	API	1.0	UNITS	1.0	PER	1.0	UNITS	1.0	PER	1.0	LOG	1.0
				DIV.	1.0	OR	1.0	DIV.	1.0	OR	1.0	DIV.	1.0

REMARKS *THIS RUN MADE THROUGH TWO SPLIT PIPES*



1-20-54 2317 99917

ROKE

SIDEWALL DENSITOG

OIL ENTERPRISES LTD. CALGARY, ALBERTA

FILE NO. COMPANY **CLARK WEST RESOURCES LTD.**
 LOG SEC. TYPE WELL **204 324**
 ROE LOCATION
 W. FIELD **LD BE 204E**

PROVINE BATTERY **6642424**
 Primeval Datum **Edmonton, Alberta** Elev. **5071.0**
 L. or M. Measured from **Edmonton, Alberta** Above from Datum
 Mean Depth Measured from **Edmonton, Alberta** G.L.

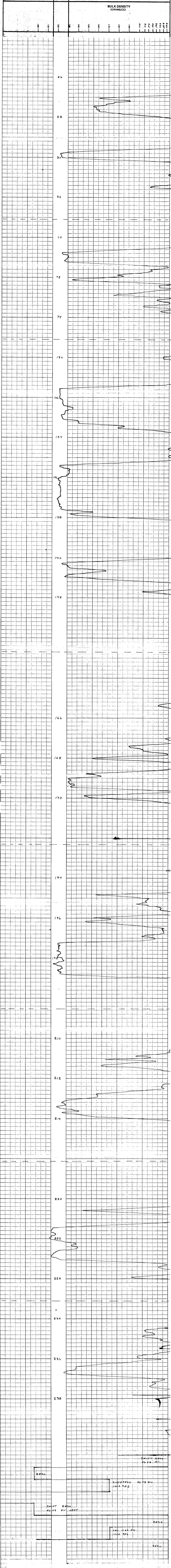
Run No. **410-20-1280**
 Date **5/24/54**
 Full Reading **5750-6000** **5000** **5000**
 L. or M. Reading
 Footing Logged

Chart Record
 Chart Drill
 Chart Rate
 Chart Drill
 Fluid Type **MUD**
 L. Liquid Level **5000**
 Min. Depth **28 500**

Operating Time **1 hour**
 Truck No. **88**
 Recorder By **JANBY**
 Witnessed By **GOFF**

GENERAL			GAMMA RAY			SIDEWALL DENSITOG				
RUN NO.	DEPTHS	SPEED	T.C. SEC.	SENS SETTINGS	ZERO DIV. L OR R	API G.R. UNITS PER LOG DIV.	T.C. SEC.	SENS SETTINGS	ZERO DIV. L OR R	CPB/DIV
26	26	28					1.2	5000	26.48	86.18
28	28	30								
30	30	32								
32	32	34								
34	34	36								
36	36	38								
38	38	40								
40	40	42								
42	42	44								
44	44	46								
46	46	48								
48	48	50								
50	50	52								
52	52	54								
54	54	56								
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58	58	60								
60	60	62								
62	62	64								
64	64	66								
66	66	68								
68	68	70								
70	70	72								
72	72	74								
74	74	76								
76	76	78								
78	78	80								
80	80	82								
82	82	84								
84	84	86								
86	86	88								
88	88	90								
90	90	92								
92	92	94								
94	94	96								
96	96	98								
98	98	100								

REMARKS **TOTAL MUD 239.55 DETAIL SHEET CODE NUMBER ANY.**
OTHER SECTIONS 222-228, 232-238



Scale information and notes at the bottom of the log:

- Scale: **50 FT 2000 DIV**
- Scale: **2000 1000 CPS**
- Scale: **2000 1000 CPS**
- Scale: **2000 1000 CPS**

ROKE

SIDEWALL DENSILOG
CALIBER

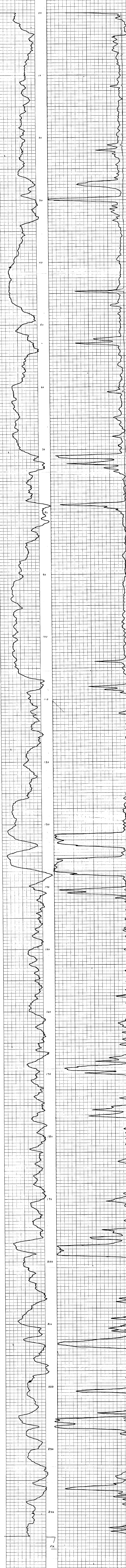
GAMMA RAY
OIL ENTERPRISES LTD. CALGARY, ALBERTA

FILE NO.	COMPANY	WELL	FIELD	PROVINCE
LOG TYPE				

Date	Time			

GENERAL			GAMMA RAY			SIDEWALL DENSILOG		
RUN NO.	DEPTH	T.C.	SENS	ZERO	API G.R. UNITS	T.C.	SENS	ZERO
NO.	FROM	TO	SETTINGS	DIV. LOG	PER LOG DIV.	SEC.	SETTINGS	DIV. LOG

REMARKS: THIS RUN TO GREEN HOLE, RUN IN ONE THROUGH BALL BODY
 DENLUVY 420 G
 GAMMA RAY / CALIBER
 CALIBER 2 7/8



Scale: 1000 G.C. / 1000 G.C.
 1000 G.C. / 1000 G.C.

ROKE

GAMMA RAY
SIDEWALL DENSILOG

OIL ENTERPRISES LTD. CALGARY, ALBERTA

LOG FILE NO. COMPANY
WELL NO. LOCATION
FIELD

PRODUCTION
LITHOLOGICAL
LOG

DATE
TIME
RUN NO.

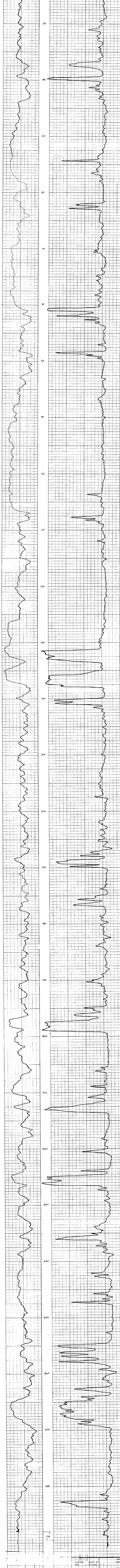
FLUID TYPE
MUD TYPE
MUD WEIGHT

GENERAL
RUN NO. DEPTH FROM TO
SPEED /MIN
T.C. SEC
GAMMA RAY
SENS. SETTINGS
ZERO DIV. OR N
API G.R. UNITS PER LOG DIV.
SIDEWALL DENSILOG
T.C. SEC
SENS. SETTINGS
ZERO DIV. OR N
CRS/DIV

REMARKS
THIS RUN MADE THROUGH DRILL RODS
THIS IS THE FIRST RUN
GAMMA RAY 1180 225

CALIPER (DIAMETER)

BULK DENSITY (GRAMS/CC)



Scale: 1 inch = 100 feet
1 inch = 0.1 g/cc

ROKE

SONIC

OIL ENTERPRISES LTD. CALGARY, ALBERTA

FILE NO. COMPANY: **CDOWS WEST RESOURCES**

WELL: **DMU 306**

LOCATION: **FRIE / C.D.C. POLE**

FRONTIER BRITISH - CALIFORNIA

SONIC SYSTEM: **SONIC SYSTEM**

DATE: **APR 20 1970**

TIME: **11:00 AM**

DEPTH: **210**

DEPTH UNIT: **FEET**

DEPTH RANGE: **0 - 210**

DEPTH INTERVAL: **10**

DEPTH UNIT: **FEET**

DEPTH RANGE: **0 - 210**

DEPTH INTERVAL: **10**

DEPTH UNIT: **FEET**

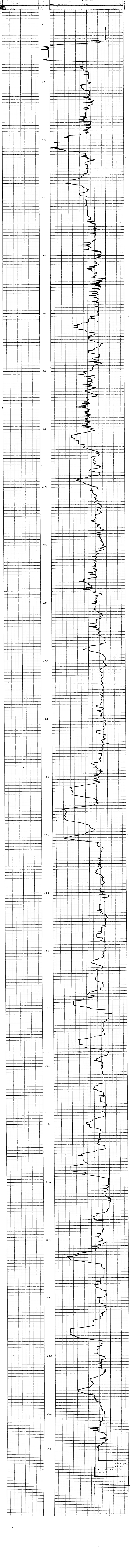
DEPTH RANGE: **0 - 210**

DEPTH INTERVAL: **10**

DEPTH UNIT: **FEET**

DEPTH RANGE: **0 - 210**

S.D.W. RT
S.W.L.P.
C.A. 1/27.34 AT/A
C.A.S.W.L.
2200



Remarks: **1 DIVISIONAL - 20 μsec/meter - TRAVEL TIME**

Recorded by: **STAFF/ANALYST**

Checked by: **STAFF/ANALYST**

Approved by: **STAFF/ANALYST**

File No. **423**

Well No. **306**

Location **FRIE / C.D.C. POLE**

Company **CDOWS WEST RESOURCES**

Well **DMU 306**

Date **APR 20 1970**

Time **11:00 AM**

Depth **210**

Depth Unit **FEET**

Depth Range **0 - 210**

Depth Interval **10**

Depth Unit **FEET**

Depth Range **0 - 210**

Depth Interval **10**

Depth Unit **FEET**

Depth Range **0 - 210**

Depth Interval **10**

Depth Unit **FEET**

Depth Range **0 - 210**

Depth Interval **10**

Depth Unit **FEET**

Depth Range **0 - 210**

Depth Interval **10**

Depth Unit **FEET**

Depth Range **0 - 210**

Depth Interval **10**

Depth Unit **FEET**

Depth Range **0 - 210**

Depth Interval **10**

Depth Unit **FEET**

ROKE

FOCUSED BEAM LOG 20 CM

OIL ENTERPRISES LTD. CALGARY ALBERTA

FILE NO. COMPANY: CANADIAN WEST RESOURCES
 WELL: DDM 344
 LOCATION: _____
 FIELD: LEGGESDALE
 PROVINCE: ALBERTA, CANADA

LOG DEPTH: _____
 LOG DEPTH MEASUREMENT: _____
 LOG DEPTH UNIT: _____
 LOG DEPTH TYPE: _____
 LOG DEPTH FROM: _____
 LOG DEPTH TO: _____

LOG DEPTH: 0.112
 LOG DEPTH: 0.112
 LOG DEPTH: 0.112
 LOG DEPTH: 0.112
 LOG DEPTH: 0.112

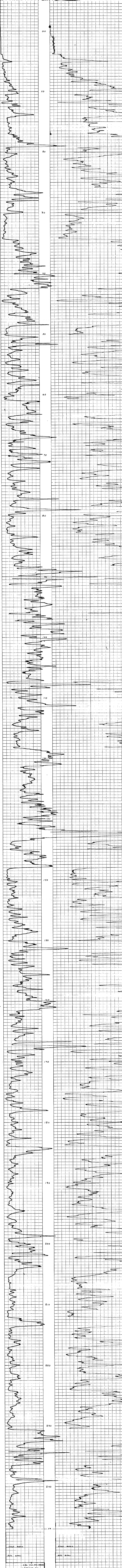
LOG DEPTH: _____
 LOG DEPTH: _____
 LOG DEPTH: _____
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LOG DEPTH: _____
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LOG DEPTH: _____
 LOG DEPTH: _____
 LOG DEPTH: _____
 LOG DEPTH: _____
 LOG DEPTH: _____

LOG DEPTH: _____
 LOG DEPTH: _____
 LOG DEPTH: _____
 LOG DEPTH: _____
 LOG DEPTH: _____

Remarks: FBL # 11 CURRENT RANGE 5 STD MUDFISH RESISTANCE _____ OHMS
 ELECTRODE SONDE 2A CM BEAM WIDTH 100 CM ARRAY _____
 PRIMARY 100 OHM/DIV SECONDARY 500 OHM/DIV



STOP BEAM
 REC BEAM
 CAL ON 200 RANGE / 100 RANGE

Recorded by: JAL/S Witnessed by: CAE

ROKE

OIL ENTERPRISES LTD. CALGARY, ALBERTA

GAMMA RAY
SIDEWALL DENSILOG
CALIPER

581317-099 V1

FILE NO. _____ COMPANY Canada West Resources Ltd.

LSD SEC _____ WELL AP-318

TWP _____ RGE _____

W _____ M _____ LOCATION _____

FIELD LODGE 2016

PROVINCE BRITISH COLUMBIA

Permanent Datum CASIMIRO LEVEL Elev. _____

Log Measured from BRUNNEN LEVEL Above Perm. Datum _____

Well Depth Measured from ADRIAN LEVEL CSG _____

Other Services:
SOURCE _____
K.B. _____
CSG _____
G.L. _____

Run No. _____ Date 8/26/73

Start Reading _____ End Reading _____

Footage Logged _____ Footage Logged _____

Depth Reached _____ Depth Drilled _____

Casing Driller _____

Casing Type _____

Fluid Type _____

Liquid Level _____

Mfr. Diam. _____

Operating Time _____

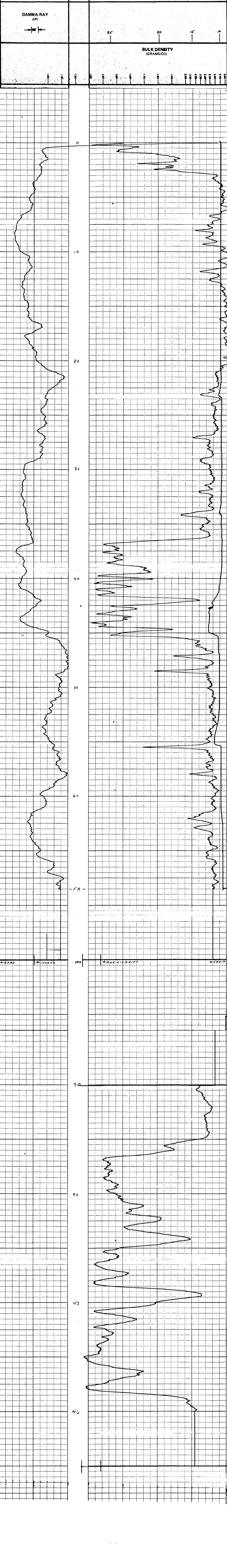
Truck No. _____

Recorded By FRANKS Witnessed By COLE

GENERAL		GAMMA RAY		SIDEWALL DENSILOG	
RUN NO.	DEPTHS	T.C. SEC.	SENS. SETTINGS	T.C. SEC.	SENS. SETTINGS
	FROM TO				

REMARKS

DENSITY TANK READ
ER TANK 318
CAL TANK 318



L. Miller - Calgary, Alberta

Page 11

ROKE

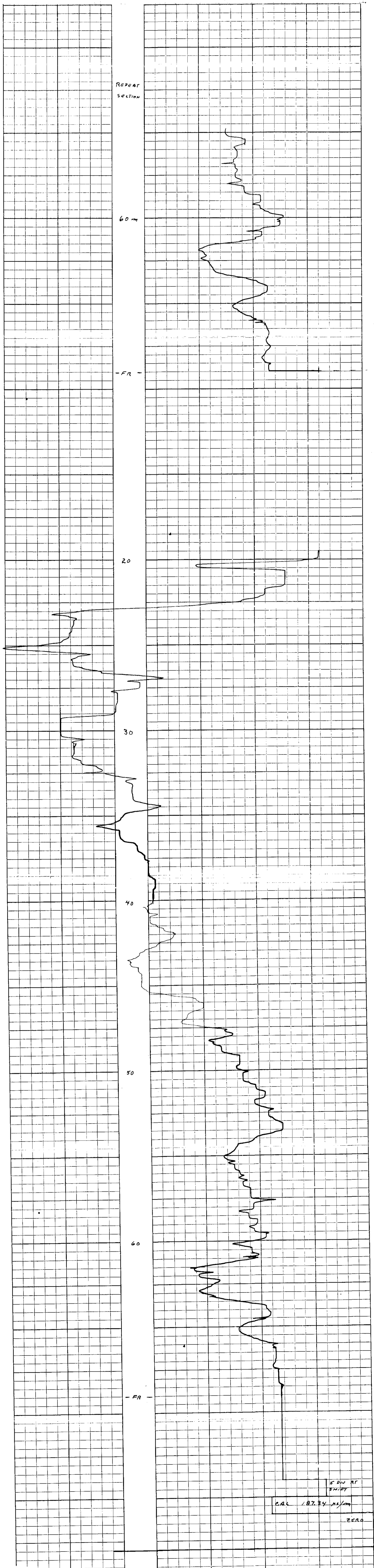
OIL ENTERPRISES LTD. CALGARY, ALBERTA

SONIC

FILE NO.	COMPANY	CROW'S WEST RESOURCES
SEC	WELL	CP-808
TWP	LOCATION	
RGE	FIELD	LODGE POLE
M	PROVINCE	BRITISH COLUMBIA
	Other Services:	CR - CGL-060
		STARTS - 25/1/75
		K.B.
		CSG
		GL
Permanent Datum	ESQUILD	LEUEL
Log Measured from	ESQUILD	LEUEL
Well Depth Measured from	ESQUILD	LEUEL
Run. No.	DATE	015
First Reading	69.0m	
Last Reading	80.0m	
Footage Logged	49.0m	
Depth Reached	69.7m	
Depth Driller	20.0m	
Casing Driller		
Fluid Type	MUD	
Liquid Level	SUBSURFACE	
Min. Diam.	108.0mm	
Rm @ 9'		
Operating Time	1 hour	
Truck No.	37	

Remarks: DEVIATION - 20 DEGREES / MADE TROUGH LINE

Depths	500	100
	$\mu\text{sec}/\text{m}$	300



Recorded By ZOUSSOU/TRADES Witnessed By COLC

ROKE

OIL ENTERPRISES LTD. CALGARY, ALBERTA

SIDEWALL DENSILOG

F-5114 (edg) 8/23/79 opp 1/1

FILE NO. _____ COMPANY CROW'S NEST RESOURCES LTD.

WELL CP-308

LOCATION _____

FIELD ADLER POLE

PROVINCE BRITISH COLUMBIA

Permanant Datum SEALED Elev. _____

Log Measured from SEALED Above Perm. Datum

Well Depths Measured from SEALED SEALED

Other Services: CA - 641 - 824

32/16

Run No. _____ Date Aug 13, 1980

First Reading 48

Last Reading 37

Encourage Logged 1/2

Depth Reached _____

Depth Driller _____

Casing Hole 32

Casing Driller _____

Fluid Type _____

Liquid Level SURFACE

Min. Diam. 100

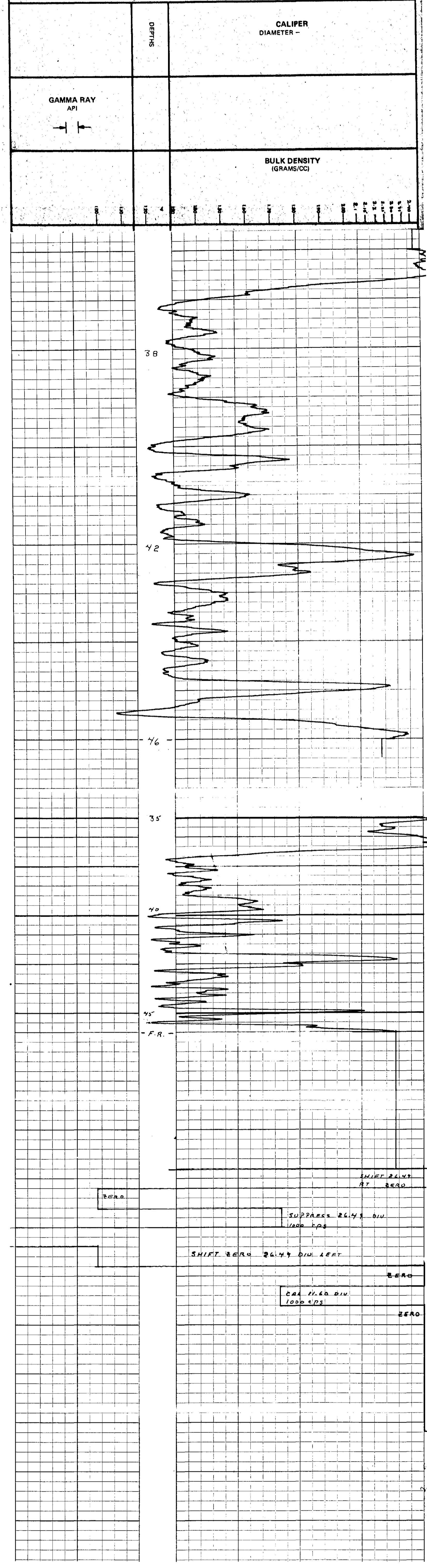
Operating Time 1/4 hr

Truck No. 37

Recorded By JOHNSON Witnessed By COLE


RUN NO.	GENERAL		SPEED MIN	T.C. SEC.	GAMMA RAY		API G.R. UNITS PER LOG DIV.	SIDEWALL DENSILOG		CPS/DIV
	FROM	TO			SENS SETTINGS	ZERO DIV. L OR R		T.C. SEC.	SENS SETTINGS	

REMARKS SHORT SPACING DENSITY TOOL NO 24953



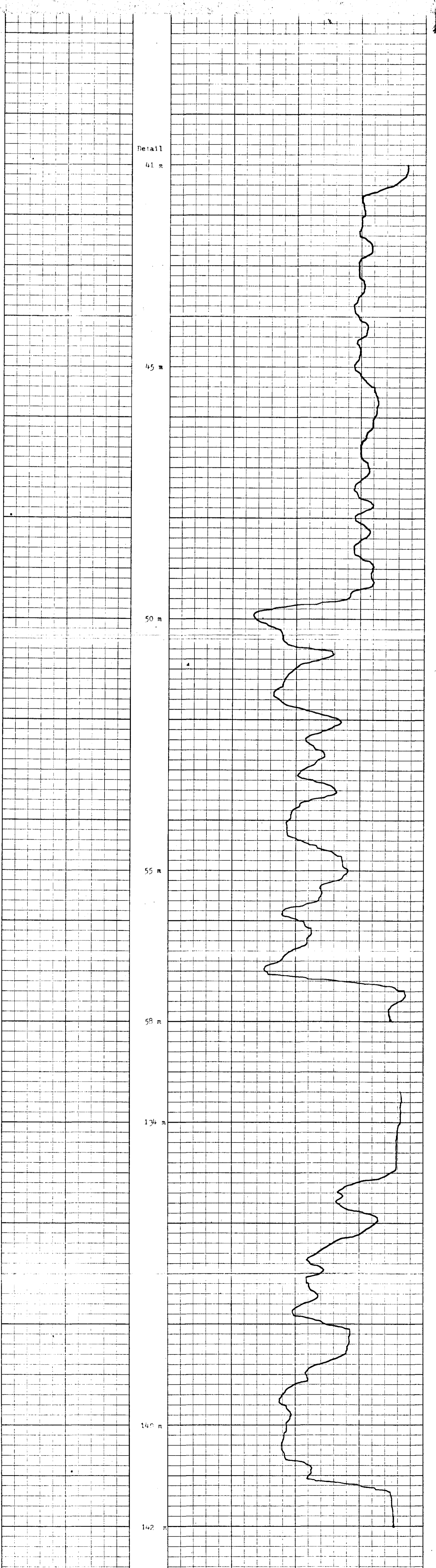
K-Shull-Loggipole 80(3)JA

P88

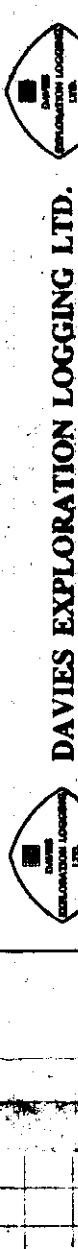
 DAVIES EXPLORATION LOGGING LTD.	
COMPANY	Crows Nest Resources
HOLE NUMBER	LP - 309
LOCATION	Lodge Pole
PROVINCE	B.C.
ELEVATION	
LOG TYPE	<i>DISTAL</i> Natural Gamma & Neutron
DATE	July 31 1980
DRILLED DEPTH	
LOGGED DEPTH	
ZERO DATUM	G.L.
HOLE DIAMETER	H.O.
CASING LENGTH	50 m
REMARKS:	

(28) 428 5/5

0 Natural Gamma 50 0 1-k



K-S-111-Ceogp@0803719 oppp 1/1



DAVIES EXPLORATION LOGGING LTD.

PROVINCE _____ B.C.

ELEVATION _____

LOG TYPE: CALPER NATURAL GAMMA RADIATION DENSITY

DATE: JULY 31 1950

DRILLED DEPTH: 222 m

LOGGED DEPTH: 222 m

LOGGING DEPTH: _____

LOGGING DEPTH: _____

LOGGING DEPTH: _____

LOGGING DEPTH: _____

LOGGING DEPTH: _____

LOGGING DEPTH: _____

LOGGING DEPTH: _____

LOGGING DEPTH: _____

LOGGING DEPTH: _____

LOGGING DEPTH: _____

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LOGGING DEPTH: _____

LOGGING DEPTH: _____

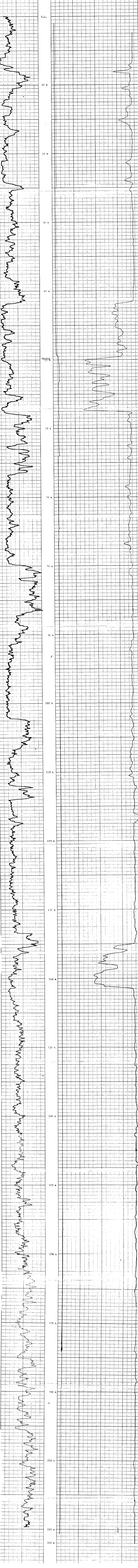
LOGGING DEPTH: _____

LOGGING DEPTH: _____

LOGGING DEPTH: _____

LOGGING DEPTH: _____

LOGGING DEPTH: _____



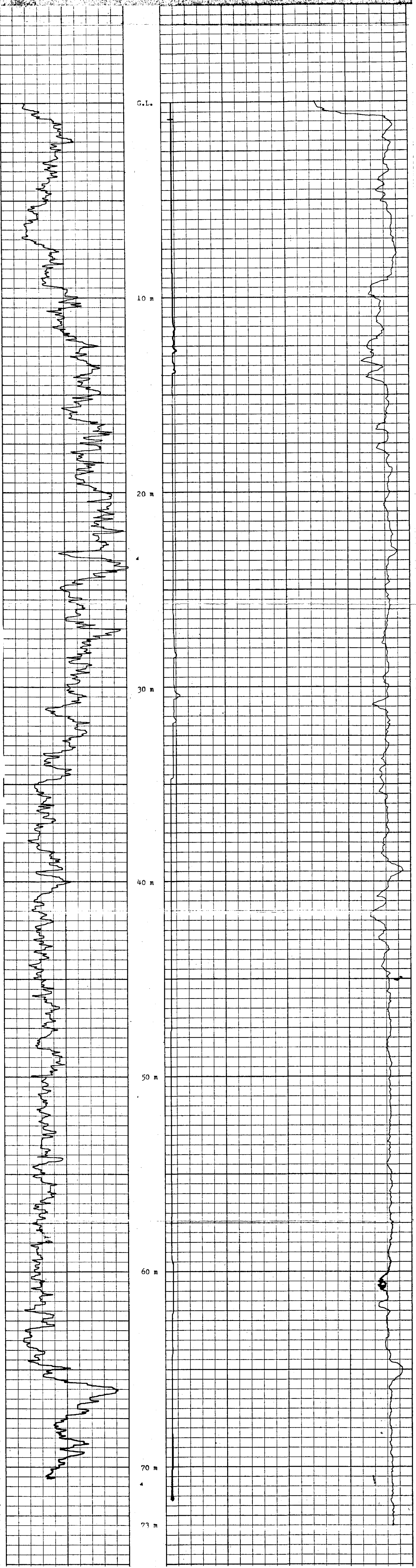
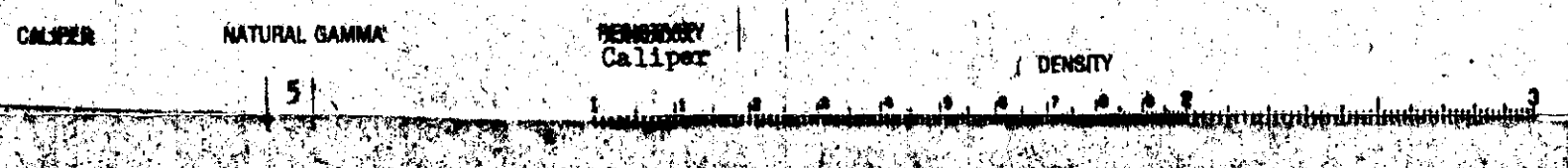
② 428 1/2

Skull - Type 8 SLSA 888-V

DAVIES EXPLORATION LOGGING LTD.

COMPANY: Croix Nest Resources
 HOLE NUMBER: IP - 310
 LOCATION: Lodge Pole
 PROVINCE: B.C.
 ELEVATION: _____
 LOG TYPE: CALPER, NATURAL GAMMA, RESISTIVITY, DENSITY
 DATE: Aug. 3 1980
 DRILLED DEPTH: 73 m
 LOGGED DEPTH: 73 m
 ZERO DATUM: G.L.
 HOLE DIAMETER: HQ.
 CASING LENGTH: 10 m
 REMARKS: _____

428
30



K-Shells-logged App VI
80(31A)

74



DAVIES EXPLORATION LOGGING LTD.

COMPANY Cross West Resources
HOLE NUMBER LP - 311

LOCATION Lodge Pole
PROVINCE B.C.
ELEVATION _____

LOG TYPE CAIPER NATURAL GAMMA, RESISTIVITY, DENSITY

DATE AUG. 9 1980

DRILLED DEPTH 93 m

LOGGED DEPTH 92.5 m

ZERO DATUM G.L.

HOLE DIAMETER HQ.

CASING LENGTH 6 m

REMARKS:

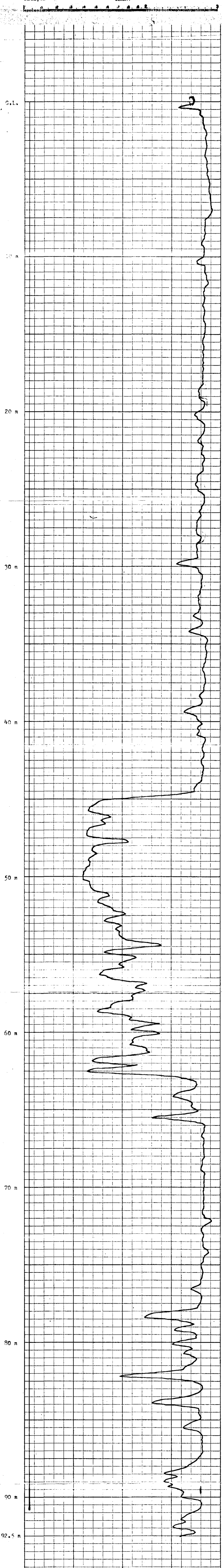
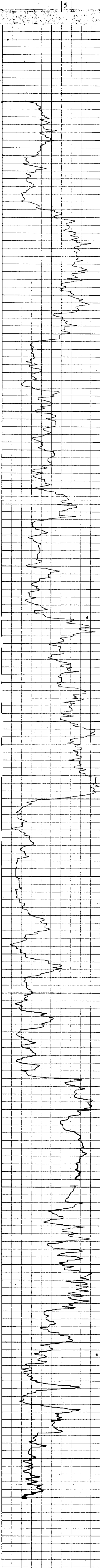
(31) 428 5/5

CALIPER

NATURAL GAMMA

RESISTIVITY
Calliper

DENSITY



Y-Shell - Lodgepole 80(3)A



DAVIES EXPLORATION LOGGING LTD.



COMPANY Crows Nest Resources

HOLE NUMBER LF - 312

LOCATION Lodge Poles

PROVINCE B.C.

ELEVATION

LOG TYPE Natural Gamma & Neutron

DATE AUG. 21 1980

DRILLED DEPTH 19 m

LOGGED DEPTH 18 m

ZERO DATUM C.L.

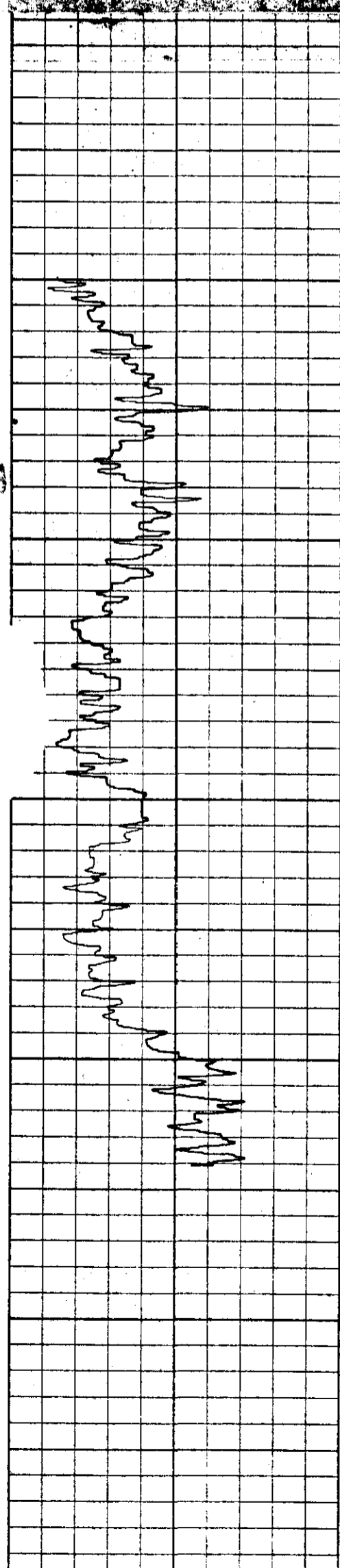
HOLE DIAMETER HQ.

CASING LENGTH 12 m

REMARKS

312 438 9/5

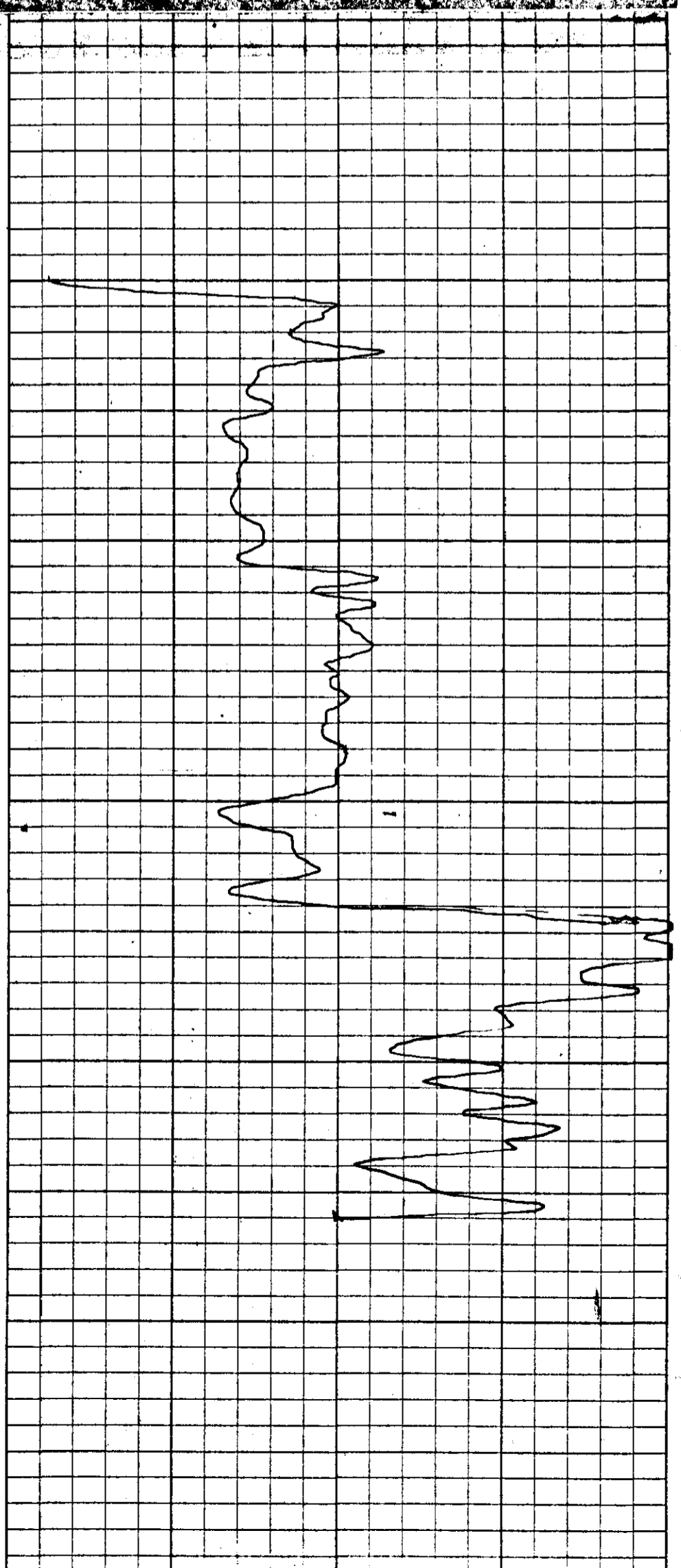
0 Natural Gamma 40 200 Neutron 2.2K





G.L.

10 m

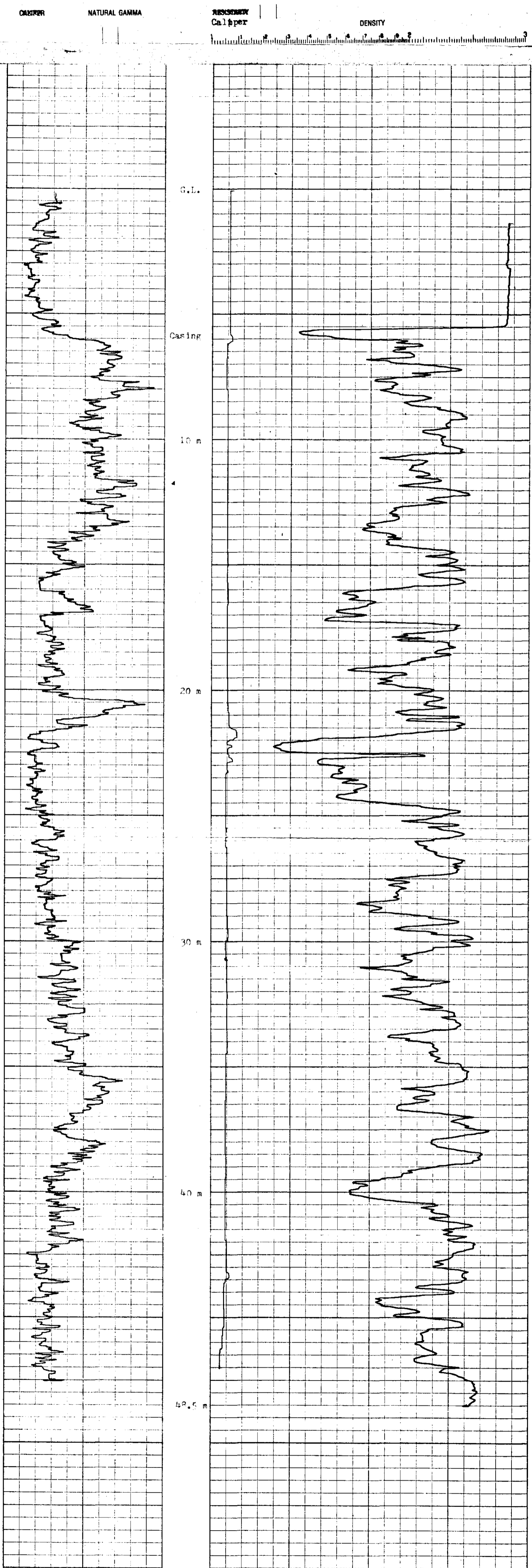
18 m



K-Shell-Ledgepole 80(3)A
 App 17
 17

 DAVIES EXPLORATION LOGGING LTD. 	
COMPANY	Crows Nest Resources
HOLE NUMBER	LP - 317
LOCATION	Lodge Pole
PROVINCE	B.C.
ELEVATION	
LOG TYPE	CAIPER, NATURAL GAMMA, RESISTIVITY, DENSITY
DATE	Sept. 24 1980
DRILLED DEPTH	49 m
LOGGED DEPTH	48.5 m
ZERO DATUM	G.L.
HOLE DIAMETER	6 1/8"
CASING LENGTH	6 m
REMARKS	

(32) 428 7/5



1c Shell-Log cycle. 80031A app VI



DAVIES EXPLORATION LOGGING LTD.

COMPANY Crows Nest Resources
HOLE NUMBER LP - 311

LOCATION Lodge Pole
PROVINCE B.C.

ELEVATION _____

LOG TYPE: CASING, SURFACE, GAMMA, RESISTIVITY, DENSITY

DATE AUG. 9 1980

DRILLED DEPTH _____

LOGGED DEPTH _____

ZERO DATUM C.L.

HOLE DIAMETER HQ.

CASING LENGTH _____

REMARKS: Detail

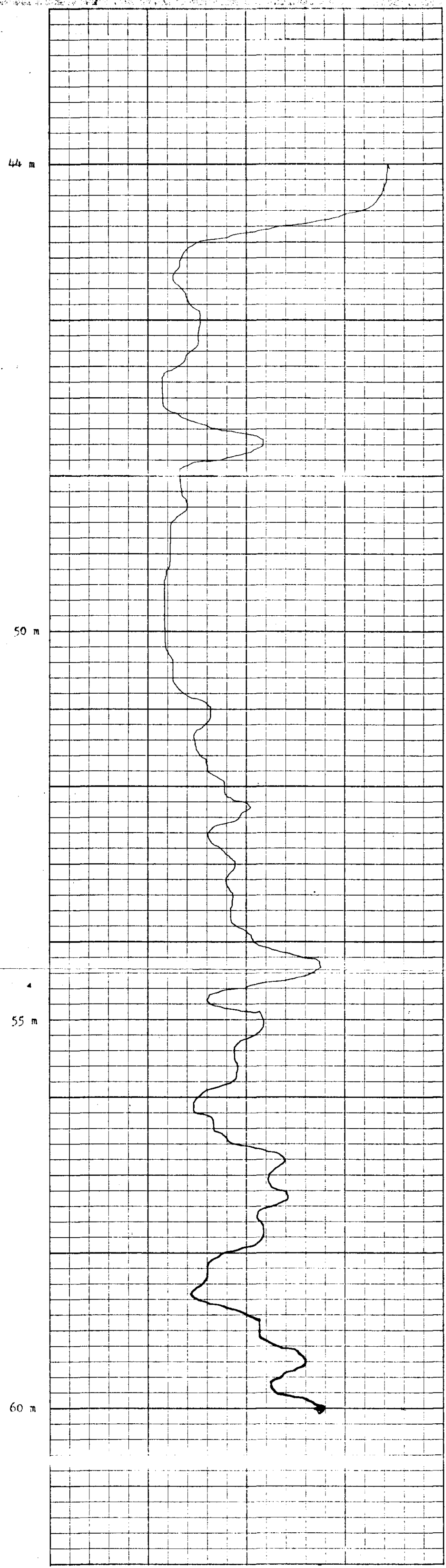
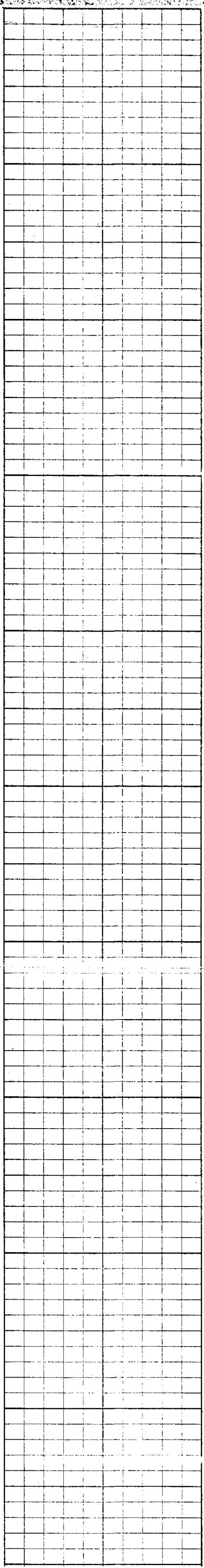
428 7/5
33

SALINITY

NATURAL GAMMA

RESISTIVITY

DENSITY



44 m

50 m

55 m

60 m

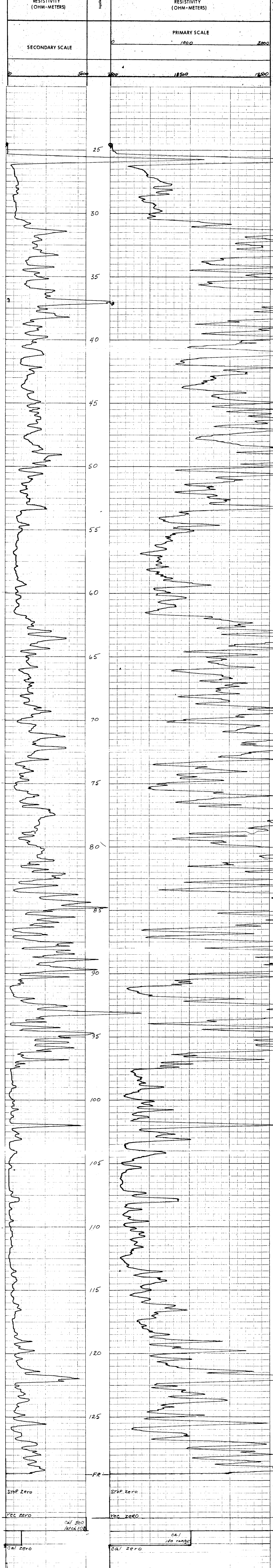
ROKE

FOCUSED BEAM LOG 20 CM

OIL ENTERPRISES LTD. CALGARY, ALBERTA

FILE NO.	COMPANY	WELL	ROE
LSD	CRUWS WEST RESOURCES Ltd	DDH	313
SEC			
TEMP			
M	LOCATION		
	Lodge Pole		
	PROVINCE		
	British Columbia		
	Log Measured from		
	Ground Level / Above from Drift		
	Well Depth Measured from		
	Ground Level		
	Other Services		
	Sonic & SW DIR		
	GR-DENS-CAL		
	KR		
	CSI		
	GL		
Run No.	ONE		
Date	Aug 18 1986		
First Reading	1291.5 m		
Last Reading	25 m		
Footage Logged	1245 m		
Depth Reached	130.3 m		
Depth Driller	130.5 m		
Casing Hole	4.5 m		
Casing Driller	4.5 m		
Fluid Type	Air / Liquid		
Liquid Level	25 m		
Min. Diam	10 cm		
Rm @ 0°C	17.4 mm @ 10°C		
Operating Time	1/2 hr		
Trud No.	38		
Recorded By	MURRAY	Witnessed By	COLE



Remarks FBL # // CURRENT RANGE STD MUDFISH RESISTANCE OHMS
 • SEVEN ELECTRODE SONDE 20 CM BEAM WIDTH 100 CM ARRAY
 PRIMARY 100 OHM/DIV SECONDARY 200 OHM/DIV



STOP zero STOP zero
 rec zero rec zero
 cal zero cal zero
 cal 500 latch 100
 cal 100 range

K-Shell-Ledgypole 80(3)A app 41

2/17

 DAVIES EXPLORATION LOGGING LTD. 	
COMPANY	Cross Nest Resources
HOLE NUMBER	IP - 316
LOCATION	Lodge Pole
PROVINCE	B.C.
ELEVATION	
LOG TYPE:	CALIPER, NATURAL GAMMA, RESISTIVITY, DENSITY
DATE	Sept.
DRILLED DEPTH	24 m
LOGGED DEPTH	23 m
ZERO DATUM	C.I.
HOLE DIAMETER	6 1/8"
CASING LENGTH	8 m
REMARKS:	

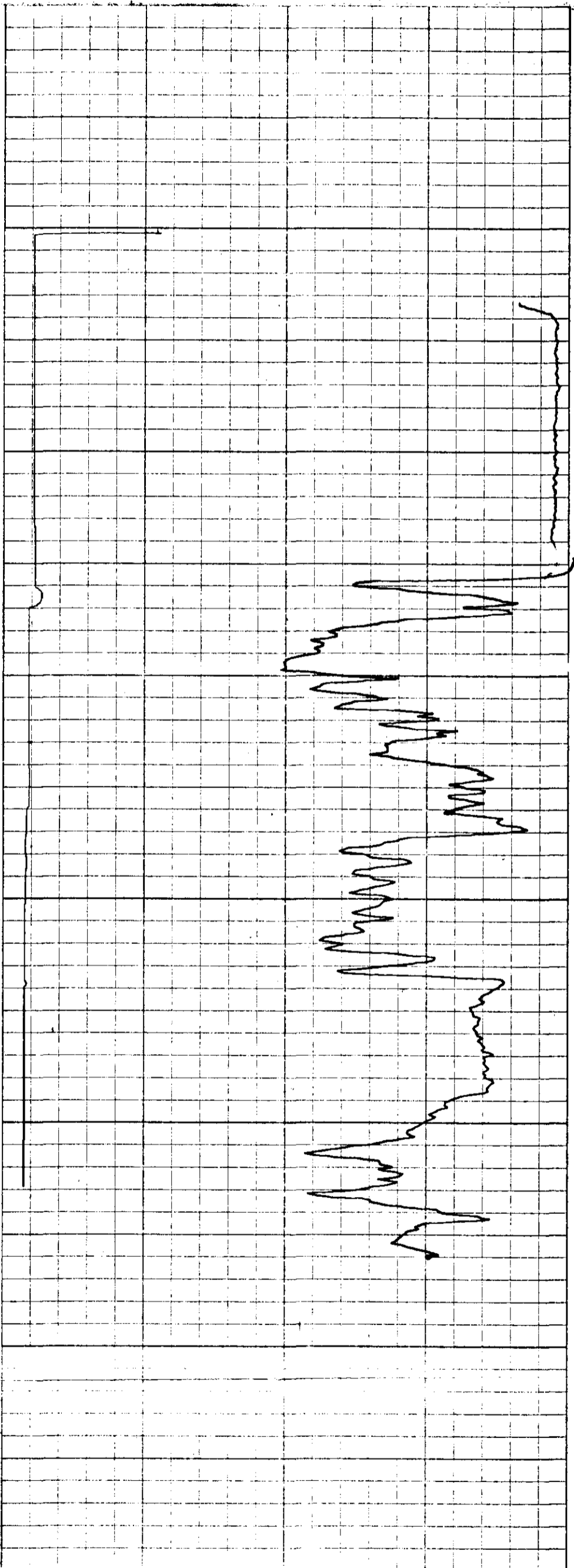
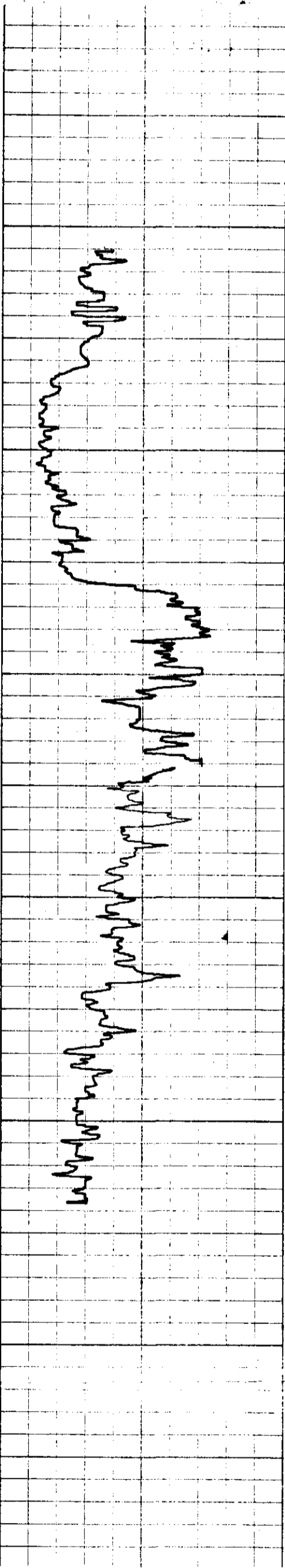
1128 5/5
(35)

CALIPER

NATURAL GAMMA

RESISTIVITY
Caliper

DENSITY



K-Shell-Cedypole 802/20pp 11



DAVIES EXPLORATION LOGGING LTD.

COMPANY Crows Nest Resources

HOLE NUMBER LP - 315

LOCATION Lodge Pole

PROVINCE B.C.

ELEVATION

LOG TYPE CALIPER NATURAL GAMMA, RESISTIVITY, DENSITY

DATE Sept. 23 1980

DRILLED DEPTH 77 m

LOGGED DEPTH 76 m

ZERO DATUM G.L.

HOLE DIAMETER 6 1/8"

CASING LENGTH 14 m

REMARKS:

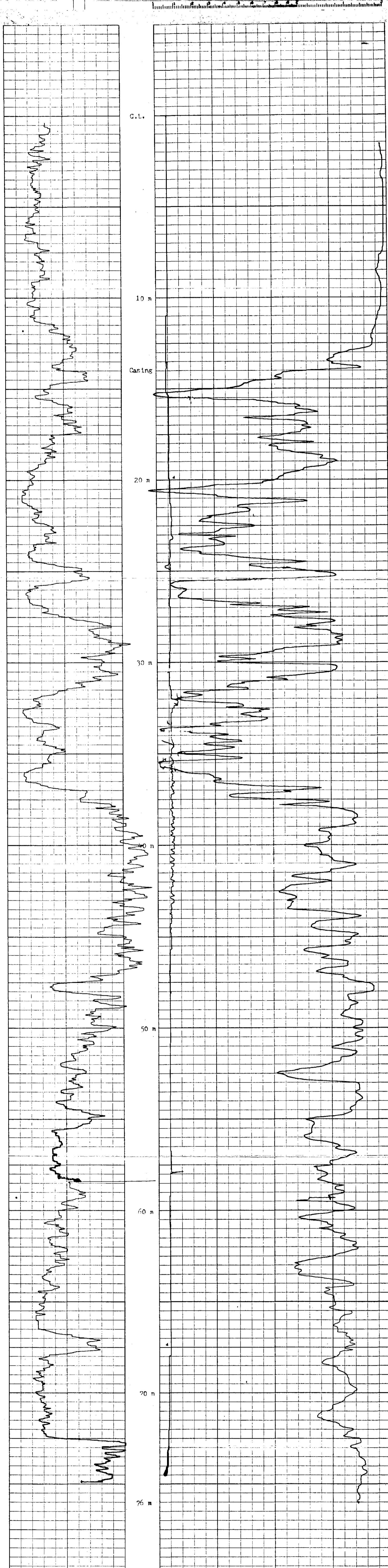
(36)

428 1/5

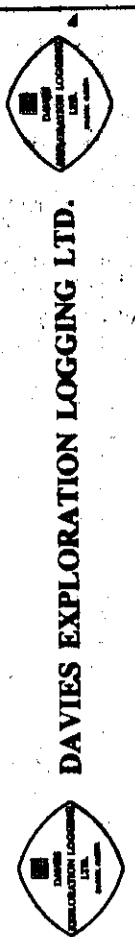
NATURAL GAMMA

RESISTIVITY
Calliper

DENSITY



app 41
K-SHELL-LOCKYNGADE 80731A



DAVIES EXPLORATION LOGGING LTD.

COMPANY Crows Nest Resources
HOLE NUMBER LB - 315

LOCATION Lodge Pole
PROVINCE B.C.

ELEVATION _____

LOG TYPE SPACER, NEUTRAL SENSITIVE, RESISTIVITY, DENSITY

DATE Sept. 23 1980

DRILLED DEPTH _____

LOGGED DEPTH _____

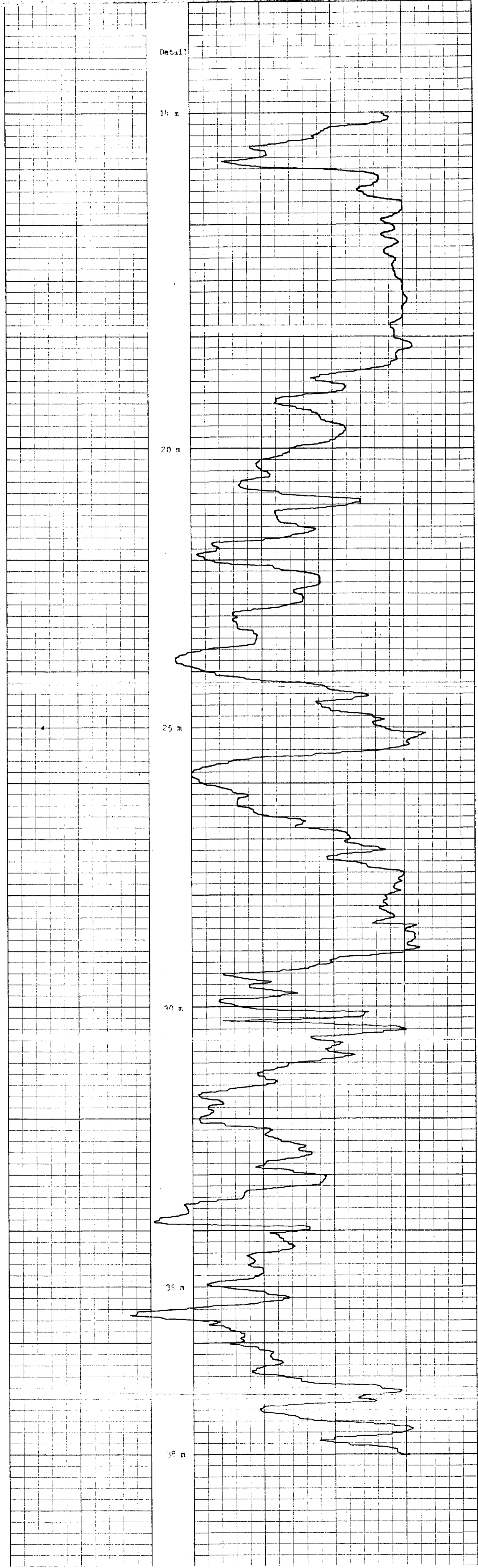
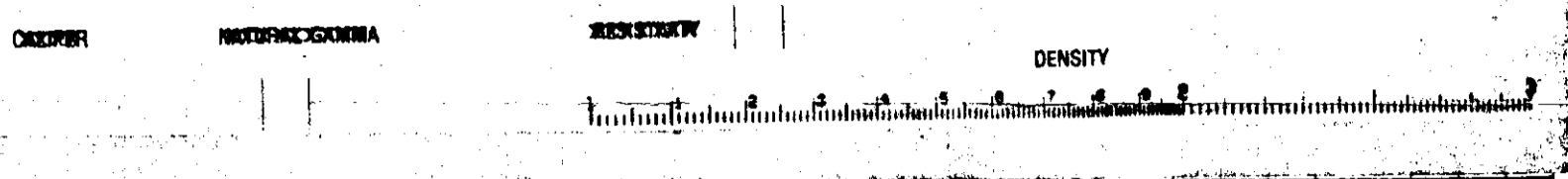
ZERO DATUM G.L.

HOLE DIAMETER 6 1/8"

CASING LENGTH 1 1/2 m


REMARKS _____

42875
37



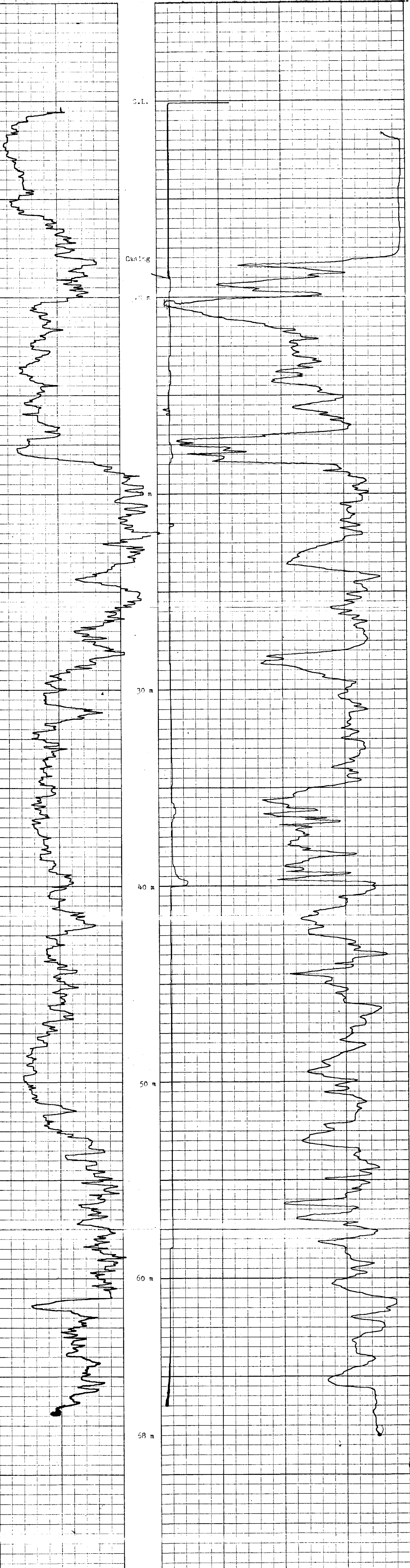
K-Still-Logging-88(3)A APP-VI

418

 DAVIES EXPLORATION LOGGING LTD.	
COMPANY	Crows Nest Resources
HOLE NUMBER	IP - 314
LOCATION	Lodge Pole
PROVINCE	B.C.
ELEVATION	
LOG TYPE	CALIPER, NATURAL GAMMA, RESISTIVITY/DENSITY
DATE	Sept. 23 1980
DRILLED DEPTH	69 m
LOGGED DEPTH	68 m
ZERO DATUM	G.I.
HOLE DIAMETER	6 1/8"
CASING LENGTH	8 m
REMARKS:	

428
38

CALIPER NATURAL GAMMA RESISTIVITY DENSITY
Calliper



ROKE

OIL ENTERPRISES LTD. CALGARY, ALBERTA

GAMMA RAY NEUTRON LOG

WELL DDDH 313

COMPANY GROWS NEST RESOURCES LIMITED

LOCATION FIELD LODGEPOLE

PROVINCE BRITISH COLUMBIA

Log Measured from GROUND LEVEL

Well Depth Measured from GROUND LEVEL

Other Services: GR-Decks - CAL, DER FSI Services

Permanent Datum: GROUND LEVEL Above Perm Datum

Run No. ONE

Date AUG 18 1980

First Reading 0 m

Footage Logged 130 m

Depth Reached 130.3 m

Depth Driller 4.5 m

Setting Rake 4.5 m

Casing Driller Hix / MUD

Fluid Type ASX

Liquid Level 10 CM

Min. Diam. 10 CM

Run @

Operating Time 1 1/2 hrs

Truck No. 38

Recorded By MURRAY Witnessed By COLE

1054/5

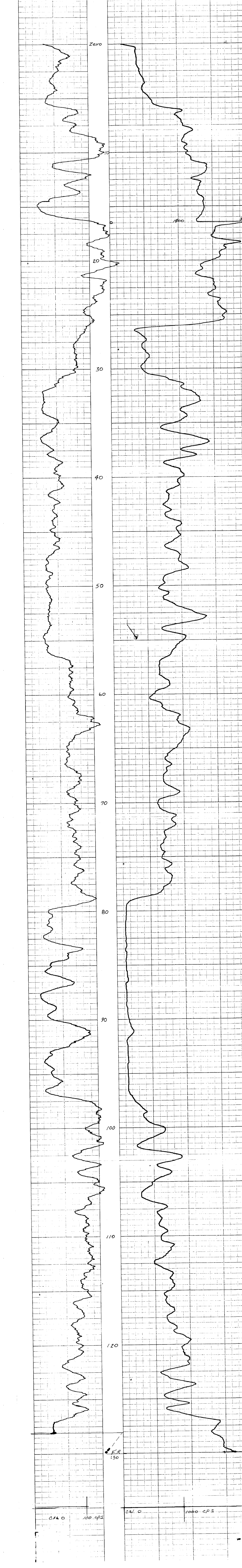
EQUIPMENT DATA

GAMMA RAY				NEUTRON			
RUN NO.	ONE			RUN NO.	ONE		
TOOL MODEL NO.				LOG TYPE	NEUTRON/NEUTRON		
DIAMETER	3.175 cm			TOOL MODEL NO.			
DETECTOR MODEL NO.				DIAMETER			
TYPE	Scintillation			DETECTOR MODEL NO.	PROPORTIONAL		
LENGTH	10.16 cm			TYPE			
DISTANCE TO N. SOURCE	2.6 m			LENGTH			
GENERAL				SOURCE MODEL NO.	MRC-N-SS-W		
HOIST TRUCK NO.	38			SERIAL NO.			
INSTRUMENT TRUCK NO.	38			SPACING	43.18 cm		
TOOL SERIAL NO.	R-GRN 125A009			TYPE	AmBe		
				STRENGTH	3 CURTES		

LOGGING DATA

GENERAL				GAMMA RAY				NEUTRON			
RUN NO.	DEPTHS	SPEED	T.C.	SENS	ZERO	API G. R. UNITS	T. C.	SENS	ZERO	API N. UNITS	
NO.	FROM	TO	/MIN	SETTINGS	DIV. L OR R	PER LOG DIV.	SEC.	SETTINGS	DIV. L OR R	PER LOG DIV.	
2112	0	16.5m	4.5	4	500	0	15	3	10K	0	360
	16.5m	130m	4.5	4	500	0	15	3	5K	0	180

REMARKS



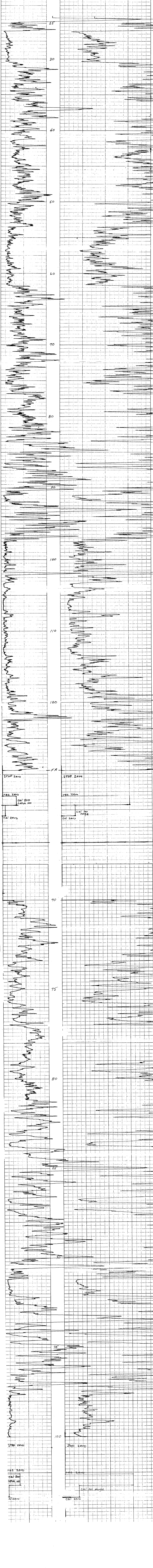
Scale: 0 100 cps (Gamma Ray), 0 1000 cps (Neutron)

ROKE

OIL ENTERPRISES LTD. CALGARY ALBERTA
 FOCUSED BEAM LOG 5 CM

FILE NO: _____ COMPANY: **CRUIS WEST RESOURCES LTD.**
 WELL: **DDH 313**
 LOCATION: _____
 FIELD: **LODGE POLE**
 PROVINCE: **BRITISH COLUMBIA**
 PRESENT DRAIN: **GRAND LEVEL** EM: _____
 LOG MEASURED FROM: **CENTRAL LEVEL** ABOVE FROM DRAIN: _____
 WELL DEPTH MEASURED FROM: **CENTRAL LEVEL** CL: _____
 DATE: **Aug 18 1988**
 RUN NO: **ONE**
 LAST READING: **25.5 m**
 FRONT LOGGED: **24.5 m**
 DEPTH REVERSE: **130.3 m**
 DEPTH BEHIND: **130.3 m**
 CHANGING TIME: **1.8 m**
 FLUID TYPE: **Air**
 LIQUID LEVEL: **4.5 m**
 MIN. DRAIN: **10 cm**
 FIRM @ 0°C: **1/2 m**
 OPERATING TIME: **38**
 FLUID NO: _____

Remarks: FBL # 77 CURRENT RANGE 37.0 MUDFISH RESISTANCE OHMS
 SEVEN ELECTRODE SONDE 5 CM BEAM WIDTH 60 CM ARRAY
 PRIMARY 100 OHM/DIV SECONDARY 500 OHM/DIV



Recorded by: **M. V. ...** / **...** Witnessed by: **...** / **...**

ROKE
SIDEWALL DENSILOG
GAMMA RAY
CALIPER
OIL ENTERPRISES LTD. CALGARY ALBERTA

3778
page 11

FILE NO. COMPANY ORION S WEST RESOURCES LTD.
WELL 220/33
LOC. 3015
FIELD LODGE
PRODUCTION BRONZE TRESTLE - Colman Rd.
FORMATION Ground Level - Above From Stream
Log Measured from Ground Level
WELL DEPTH MEASURED FROM Ground Level

LOG TYPE N
T.C. 0.1
SEC. 5K

DATE Aug 18 1980
RUN NO. ONE
EST. NUMBER 129

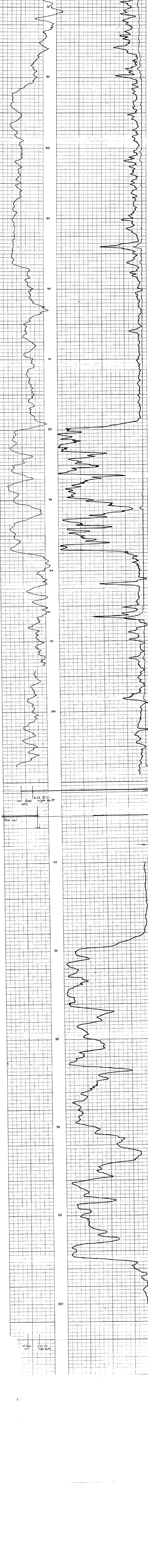
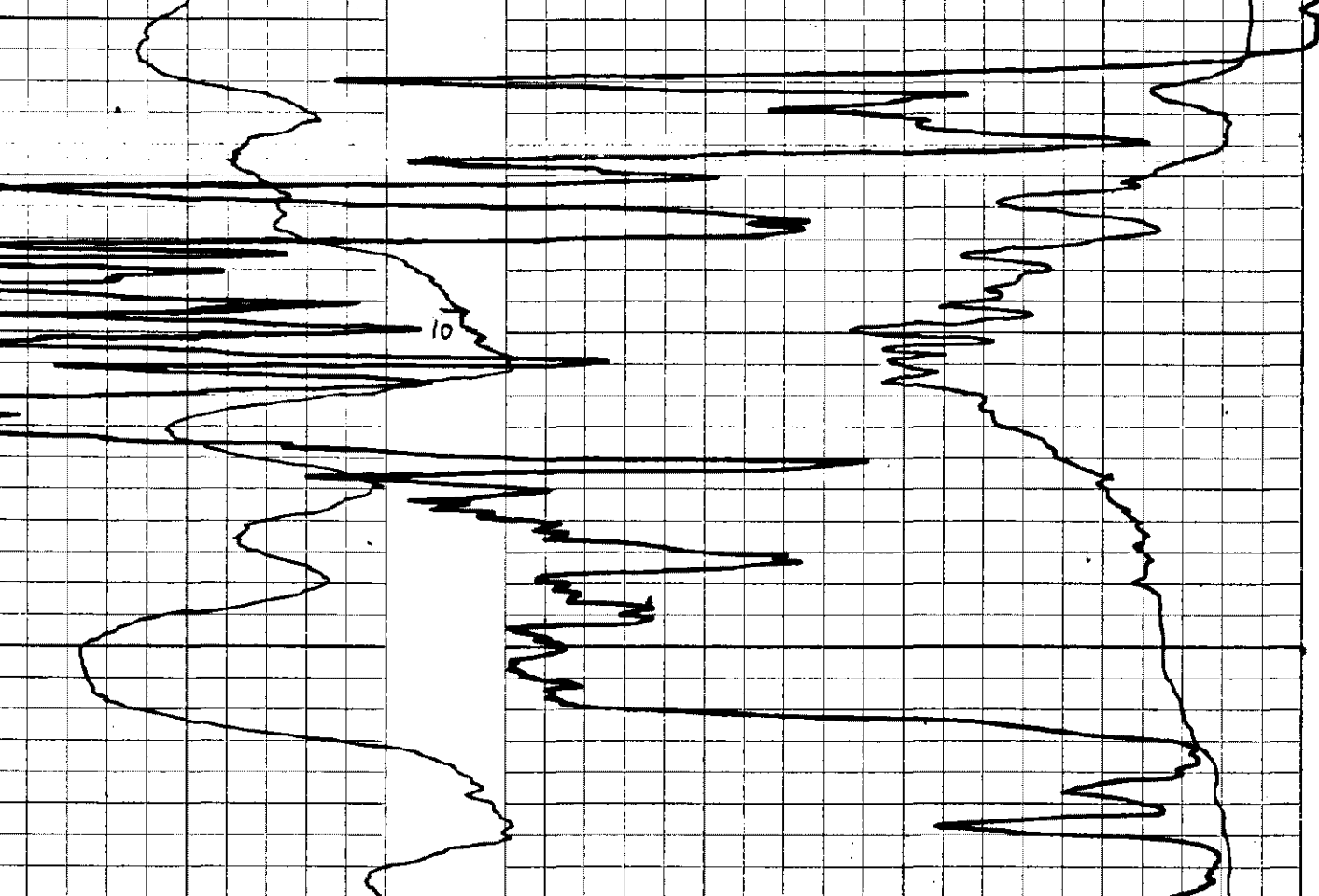
FRAC. LENGTH 129.9
FLUID BACK 130.2
CLAMP DPTH 4.8
FLUID TYPE Oil
LIQUID LEVEL 10 cm
MIN. DPTH

OPERATOR MTX
TRUCK NO. 38
TRUCK NO.

RECORDED BY MATKAY
WITNESSED BY Cole

GENERAL		SPEED		T.C.		GAMMA RAY		SIDEWALL DENSILOG	
RUN NO.	DEPTHS	FROM	TO	MIN	SEC	SECS	DIV. OR R	SECS	DIV. OR R
220	0	128		4	4	500	0	15	0.1

REMARKS Caliper = 439
Density = 42.0A



E-Side - Lodgepole 80(314) 000 V1

ROKE

SIDEWALL DENSILOG

OIL ENTERPRISES LTD. CALGARY, ALBERTA

FILE NO. COMPANY CRONS WEST RESOURCES LTD

WELL DDH 313

LOCATION Lodge Pole

FIELD Lodge Pole

PROVINCE British Columbia

Other Services: Geo. Serv. C. Est. F8L DER

Permanent Datum Ground level Elev.

Log Measured from Ground level Above Perm. Datum

Well Depths Measured from Ground level G.L.

Run No. 011E

Date Aug 18 80

First Reading 100 m

Last Reading 80 m

Footage Logged 80 m

Depth Reached 130.3 m

Depth Driller 130.3 m

Casing Roke 4.5 m

Casing Driller 4.5 m

Fluid Type Air/Liquid

Liquid Level 25 m

Min. Diam. 10 cm

Operating Time 1 hr

Truck No. 38

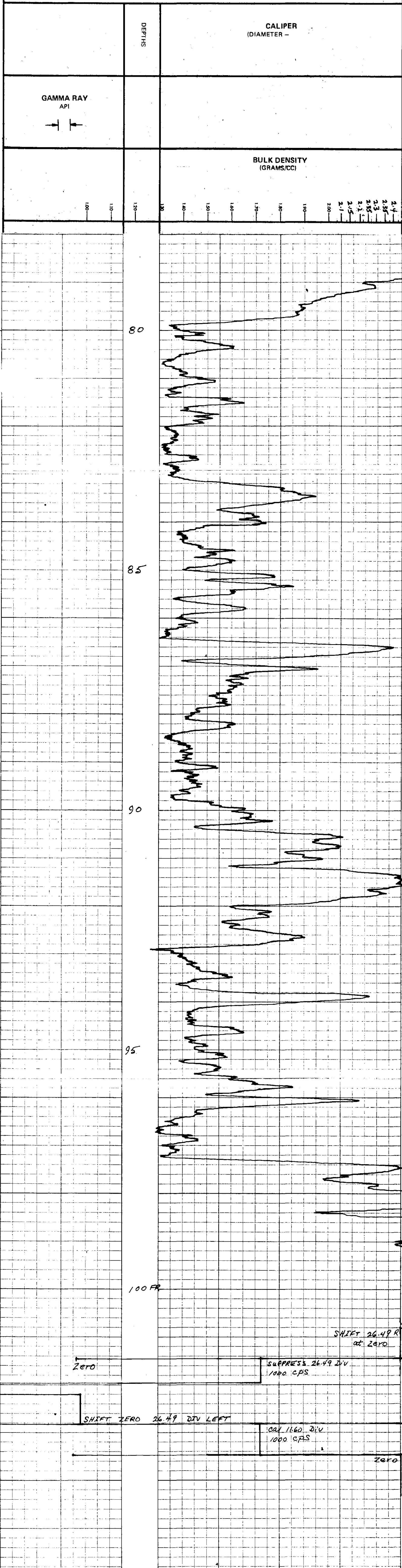
42

1128

Recorded By Murray James Witnessed By Cole

RUN NO.	GENERAL		SPEED /MIN	T.C. SEC.	GAMMA RAY			SIDEWALL DENSILOG			
	FROM	TO			SENS SETTINGS	ZERO DIV. L OR R	API G.R. UNITS PER LOG DIV.	T.C. SEC.	SENS SETTINGS	ZERO DIV. L OR R	CPS/ DIV
ONE	80 m	100 m	4					.1	5K	26.49 R	86.18

REMARKS Density # 24955



1-Sonic-Log-plot-4238-APP W

ROKE

SONIC

OIL ENTERPRISES LTD. CALGARY, ALBERTA

FILE NO. COMPANY CAOWS NEST RESOURCES LTD.
 WELL DDH 313
 LOCATION _____
 FIELD Lodge Pole

PROVINCE British Columbia
 PERMIT No. _____
 Log Interval from Ground level to Ground level
 Well Depth measured from Ground level

Run No. ONE
 Date Aug. 18, 1982

First Reading 129.5m
 Last Reading 2.5m

Footage Logged 127.0m
 Depth Drilled 130.3m

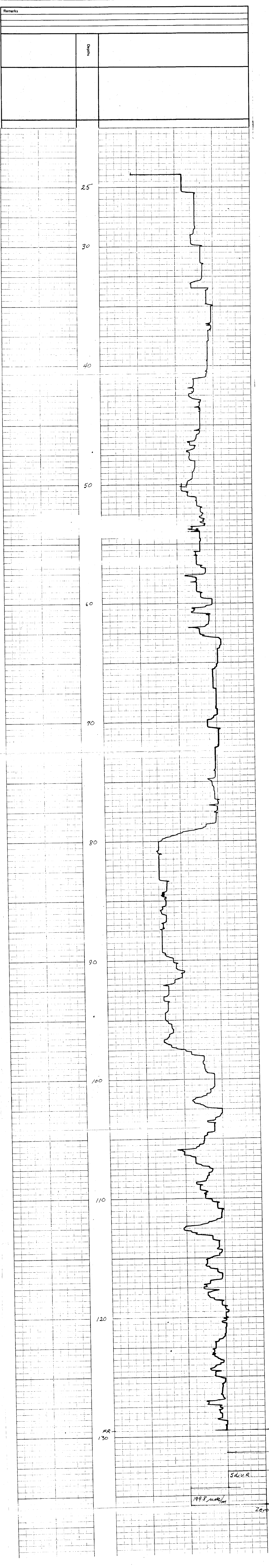
Casing Rate 4.5 m
 Casing Driller 4.5 m

Fluid Type Air / Liquid
 Fluid Level 2.5 m
 Min. Depth 10 cm

Operating Time 1 1/2 hrs
 Truck No. 38

Recorded By Murray James Witnessed By Colo

SONIC SYSTEMS INC.
 F8L DIR
 K.B.
 C.S.G.
 G.L.



Remarks

4238

5/5