

SULPETRO LIMITED

WELL HISTORY REPORT

Sulpetro et al Trout Lake

P - 34

81-04-08

APPROVED: Engineering

Geological

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SECTION I

SUMMARY OF WELL DATA

- (a) Well Name and Number: *Sulpetro et al Trout Lake P-34* ✓
- (b) Permittee: *Sulpetro Limited, Oakwood Petroleum Ltd, APL Oil & Gas Ltd.* ✓
- (c) Name of Operator: *Sulpetro Limited* ✓
- (d) Location: Unit: *P* ✓ Section: *34* ✓
Grid: *60-30-121- 00* ✓
Latitude: *60° 23' 52" N* ✓
Longitude: *121° 05' 55" W* ✓
- (e) Co-ordinates Unique Well Identifier: *300P34603012100* ✓
Universal Well Location Reference:
Latitude: *60.39778°N* ✓
Longitude: *121.09861°W* ✓
- (f) Permit Number: *n/a*
- (g) Drilling Contractor: *Baltic Drilling (1979) Ltd* Rig #*12* ✓
- (h) Drilling Authority *976* ✓ *1981-01-15*
- (i) Classification: *New Field Wildcat* ✓
- (j) Elevations: Ground- *530 m* ✓
K.B.- *535.5 m* ✓
- (k) Spudded: *1030, 81-01-15* ✓
- (l) Completed Drilling: *81-02-17* ✓
- (m) Total Depth: Driller: *2126 m KB*
Logger: *2124.5 m KB*
P.B.T.D.: *506 m KB*
- (n) Well Status: *Temperature Observation Well*
- (o) Rig Release Date: *0800, 81-02-25* ✓
- (p) Hole Size and Total Depth: *444.5 mm hole to 158.5 m KB*
311.2 mm hole to 558 m KB
200 mm ✓ - 2126 m KB
- (q) Casing: Conductor pipe *762 mm* landed at *13 m KB*
Surface Casing *339.7 mm H-40* landed at *158.5 m KB*
Intermediate casing *219 mm J-55* landed at *558 m KB*

SECTION II

GEOLOGICAL SUMMARY

a) Formation Tops

Location: SULPETRO ET AL. TROUT LAKE P-34

Spud: 1030 hrs., January 15, 1981

R.R.: _____

K.B.: 535.5 m (est.)

T.D.: 2126.8 m

G.L.: 530.0 m

<u>FORMATION</u>	<u>PROGNOSIS</u>	<u>SAMPLE DEPTH</u>	<u>LOG DEPTH</u>	<u>ELEVATION</u>
Banff	435.0 m	425.0 m	Behind casing -	
Exshaw	799.0	750.0	750.0	-214.5
Kotcho	832.0	780.0	785.6	-250.1
Tetcho	1003.0	980.0	995.5	-460.0
Utahn	1315.0	1275.0	1274.7	-739.2
Fort Simpson	1331.0	1295.0	1292.2	-756.7
Slave Point	1848.0	1833.0	1838.0	-1302.5
Dol Porosity	1928.0	1925.0	1929.0	-1393.5
Watt Mtn.	1948.0	1955.0	1951.3	-1415.8
Keg River	1968.0	1975.0?	1971.6	-1436.1
Elk Point	2033.0	2025.0?	2015.0	-1479.5
Clastics	2168.0	2075.0?	2072.0	-1536.5
T.D.		2126.8	2126.8	

Total cored interval: N/C/C

Total core recovered: _____

Average core recovery: _____

Remarks: _____

SECTION II

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Total cored interval: N/C/C

Total core recovered: _____

Average core recovery: _____

Remarks: _____

b) Sample Description

SAMPLE RECORD

Name of Well _____ SULPETRO ET AL. TROUT LAKE P-34

SAMPLE INTERVAL		LITH. %	DESCRIPTION
From	To		
160 m	210 m	100	Sh: m-dk gy, blk, v slty, mic mica, calc, occ inoc, occ calc frac filling.
210	260	100	Ss: lt gy, qtzs, v f-f gr, w srt, w rd, calc mtx, abnt glau spks, occ clr qtz pbl, tt, occ sh ptg a/a.
260	280	60/40	Sltst: lt gy, qtzs, calc, occ sdy, tr wht cht; sh, m-dk gy, sb fis, mic mica.
280	310	100	Sh: dk gy, sb fis, mic mica, calc; also m gy, blk, slty, tr inoc; occ sltst intbd a/a.
310	320	50/50	Sh a/a; sltst, lt gy, qyzt, calc, occ sdy.
320	340	70/30	Sh a/a; sltst a/a.
340	425	100	Sh: dk gy, fis-sb fis, mic mica, carb, abnt pyr; occ sltst intbds, lt gy.
BANFF 425	425	100	Ls: lt gy, micxl-v f gr, slty, arg in pt, tr pyr, occ wht enh calc xl, tt, abnt crins, also occ frag-fos frag.
460	470	60/40	Sltst: lt-m gy, calc; ls: lt gy, micxl-v f xl, slty, tt.
470	500	100	Sh: m-lt gy, blk, occ v calc grd g mrlst, occ slty, occ crin & fos frag.
500	505	60/40	Sh a/a; ls: lt gy, v f gr, slty, tt, grd g sltst.

SAMPLE RECORD

Name of Well _____ SULPETRO ET AL. TROUT LAKE P-34

SAMPLE INTERVAL		LITH %	DESCRIPTION
From	To		
505 m	530 m	50/30/ 20	Ls: lt gy, v f-f gr, occ frag, slty, tt, tr wh cht; sltst: brn, bf, calc, qtzs; sh a/a; tr pyr.
530	540	50/30/ 20	Sh: lt gy, blk-y-sb fis, calc, slty; ls a/a; sltst: lt gy, calc, qtzs.
540	750	100	Sh: m-dk gy, sb fis, mic mica, occ carb, occ crin, occ blk-y brn sh; also m gy, blk-y, slty, calc; occ calc frac filling; occ lt gy, micxl ls strg.
750	760	100	Sh: dk gy, fis-sb fis, carb, mic mica; also dk brn, blk-y, calc-strgrs dk brn ls.
760	770	100	Sh: m-dk gy, sb fis, mic mica, calc; occ strgs dk brn, arg, micxl ls.
770	780	100	Sh: m-dk gy, sb fis, mic mica, calc, tr pyr.
KOTCHO 780	780	50/50	Sh a/a; ls, bf, brn, lt gy, micxl cln, tt, occ crin.
785	810	70/30	Sh a/a; ls a/a.
810	815	90/10	Sh a/a; ls a/a.
815	830	60/40	Sh: m-gk gy, sb fis, mic mica, calc; ls: lt gy, bf, micxl, occ frag-fcs frag, cln, tt, tr pyr, occ crin.

SAMPLE RECORD

Name of Well _____ SULPETRO ET AL. TROUT LAKE P-34

SAMPLE INTERVAL		LITH. %	DESCRIPTION
From	To		
830 m	840 m	50/50	Sh a/a; ls a/a.
840	845	40/40/ 20	Sh a/a; sltst: m brn, calc; ls a/a.
845	870	80/20	Sh a/a; ls a/a.
870	890	60/40	Sh a/a; ls: lt gy, bf, micxl-cx, occ slty, tt.
890	900	80/20	Sh a/a; ls a/a.
900	910	90/10	Sh a/a; ls a/a.
910	955	100	Sh a/a.
955	980	60/40	Sh a/a; ls: bf, lt brn, micxl-cx, pyr, cln, tt.
TETCHO 980 980	985	40/30/ 30	Sh a/a; sltst: brn, arg, calc grdg sh, brn, blkky; ls a/a.
985	990	80/20	Ls: lt gy, bf, brn, micxl, cln, tt; sh: m gy, brn, sb fis, calc.
990	1000	100	Ls a/a.
1000	1030	100	Ls: lt gy, bf, micxl, frag, tt, tr pyr.

SAMPLE RECORD

Name of Well SULPETRO ET AL. TROUT LAKE P-34

SAMPLE INTERVAL		LITH. %	DESCRIPTION
From	To		
1030 m	1045 m	60/40	Sh: m-dk gy, dk brn, sb fis, mic mica, calc; ls a/a.
1045	1065	80/20	Sh a/a; ls a/a.
1065	1090	50/50	Sh a/a; ls: m-lt gy, micxl-v f xl, slty, occ arg.
1090	1105	70/30	Sh a/a; ls a/a.
1105	1135	60/40	Sh: m-dk gy, sb fis, mic mica, calc; ls: lt gy, bf, micxl-v f xl, slty, tr.
1135	1150	50/50	Sh a/a; ls a/a.
1150	1170	70/30	Ls: bf, m brn, micxl, cln, hd, tt, tr pyr; also lt gy, micxl, slty, occ wh calc xl; sh: m gy, sb fis, mic mica, occ intbds m gy sltst, v calc.
1170	1200	70/30	Sh a/a; also brn, blk, calc; ls a/a.
1200	1230	80/20	Sh a/a; also brn, sb fis-blk, slty in pt; ls a/a.
1230	1260	80/20	Sh: dk gy, sb fis, mic mica, calc, occ brn, slty, blk, calc; ls: m-lt gy, micxl, slty, pyr; also bf, micxl-ex, cln, hd, dol.
1260	1270	60/40	Sh a/a; ls: lt gy, bf, micxl, frag, occ arg, tt.

SAMPLE RECORD

Name of Well SULPETRO ET AL. TROUT LAKE P-34

	SAMPLE INTERVAL		LITH. %	DESCRIPTION
	From	To		
UTAHN 1275	1270 m	1280 m	60/40	Ls: lt gy, micxl, slty, pyr, tt; also brn, bf, cx, hd, tt; sh a/a.
	1280	1290	80/20	Ls: lt gy, bf, brn, micxl, slty, pyr, frag, suc tex, cln, hd, tt, occ wh calc xl; sh: m gy, brn, blk, slty, calc.
	1290	1295	50/50	Ls a/a, tr pyr; sh a/a.
FORT SIMPSON 1295	1295	1310	90/10	Sh: m-dk gy, sb fis, mic mica; ls, gy, bf, micxl, slty, pyr.
	1310	1400	100	Sh: m-dk gy, fis-sb fis, mic mica, occ red gn, fis; occ m gy, arg sltst intbd, tr pyr; occ lt gy, micxl ls intbd.
	1400	1410	40/40/ 20	Sh a/a; sltst: lt gy, mot, qtzs, calc mtx, hd, tt; ss: lt gy, v f gr, calc mtx, sb rd, w srt, tt.
	1410	1430	60/40	Sltst: lt gy, bf, tr gn, calc, qtzs; sh: m-dk gy, fis; tr ls: micxl, v slty.
	1430	1435	80/20	Sltst a/a; sh a/a.
	1435	1480	60/40	Sh a/a; sltst a/a.
	1480	1500	60/40	Sh: m-dk gy, dk brn, fis, mic mica, occ slty; sltst: lt-m gy, qtzs, calc, arg in pt, occ brac fos.

SAMPLE RECORD

Name of Well _____ SULPETRO ET AL. TROUT LAKE P-34

SAMPLE INTERVAL		LITH. %	DESCRIPTION
From	To		
1500 m	1560 m	80/20	Sh a/a; sltst a/a; tr ls: lt gy, micxl, v slty.
1560	1780	100	Sh: m gy, fis-sb fis, mic mica, also wxy tex; tr sltst a/a.
1780	1800	100	Sh: m gy, fis-sb fis, mic mica in pt, slty in pt, occ dk brn, blk, slty.
1800	1805	100	Sh a/a, also dk gy-blk, carb, mic mica.
1820	1830	100	Sh: blk, carb, mic mica, blk.
1830	1845	80/20	Ls: lt gy, micxl-frag, m-choc brn, cx, m-dk gy, micxl, arg grdg mrlst, tt; sh: blk, blk, calc.
1845	1855	100	Ls: lt-m gy, micxl, frag, occ arg, slty, bf-brn, micxl-cx, tr dk gy cht, tr pyr, occ gn, fis sh ptgs.
1855	1875	100	Ls: lt-m gy, micxl, occ wh, xl (calc xls); also bf, brn, micxl-cx, vit lustre, dol, hd.
1875	1885	100	Ls: lt gy, bf, cx, occ chky, cln, hd, tt.
1885	1925	100	Ls: wht, chky, micxl, cln, tt; also bf, cx, cln, hd, tt, occ dol in pt; occ dk brn, gy, blk sh ptg.
1925	1940	100	Ls: bf, micxl-cx, cln, tt, occ wh anheddol xls (vug fillings), prob vuggy ϕ in pt.
1940	1950	100	Ls: bf, micxl, chky, cln, tt, abnt wh anhed calc & dol xls.

SLAVE POINT
1833DOL POROSITY
1925

SAMPLE RECORD

Name of Well SULPETRO ET AL. TROUT LAKE P-34

SAMPLE INTERVAL		LITH. %	DESCRIPTION
From	To		
1950 m	1955 m	50/50.	Ls a/a; dol: wh, anhedxls; also bf, micxl-cx, tt, abnt filled vugs.
1955	1960	100	Dol a/a; abnt dk brn, dk gy, blk sh ptgs.
1960	1975		Lost circulation - no sample.
1975	1990	100	Dol: lt-m gy, bf, micxl-m xl, abnt wht, clr dol xls, occ sl intxl ϕ , qtzs, slty in pt, abnt dk gy gn, sb fis sh ptgs.
1990	2000	100	Dol: lt gy, micxl, sl slty, tt, occ m gy, gn, sb fis sh ptgs.
2000	2010	100	Dol: lt-m gy, mot, calc in pt, arg, occ whr dol xls, tt, occ sh ptgs.
2010	2020		Lost circulation - no sample.
2020	2025	100	Dol a/a (poor sample).
2025	2030		No sample.
2030	2060	100	Dol: m-dk brn, m gy, micxl-f xl, occ sl intxl ϕ , occ vuggy ϕ but vugs usually filled w/wh dol xls, occ coral frag; abnt slty qtzs, micxl dol; sh ptgs: dk gy, gn, sb fis, mic mica.
2060	2070	80/20	Dol: lt gy, bf, micxl sil, tt; sh: choc brn, fis.
2070	2100	100	Qtzt: wh, clr, hd, chty, sb rd, m srt, crse gr, tt, tr pyr.
2100	2126	70/30	Qtzt a/a; sh: m gy, blk, mic mica, sil, hd.

T.D.

SECTION III

ENGINEERING SUMMARY(a) REPORT OF DRILL STEM TESTS

DST # 1

DATE: 81-02-18

INTERVAL: 1925 - 1945 m KB (Slave Point and Dol Porosity)

Prewlow 5 mins. FF 120 mins.I S I 60 mins. F S I 120 mins.

BLOW: Weak initial puff increasing to strong air blow at end of preflow.
 Strong air blow on final flow, gas to surface in 90 minutes with
 weak 60 cm flare. Flow rate: too small to measure.

RECOVERY: 1580 m sulphurous salt water.

I H P 20527 kPa I F P 4854 kPa I S I P 17657 kPa Prewlow 5523F H P 20527 F F P 17465 F S I P 17535

DST # 2

DATE: 81-02-19

INTERVAL: 2015 - 2023 m hole bridged off, unable to reach test depth.

Prewlow _____ mins. FF _____ mins.

I S I _____ mins. F S I _____ mins

BLOW:

RECOVERY:

I H P _____ I F P _____ I S I P _____ Prewlow _____

F H P _____ F F P _____ F S I P _____

SECTION III

ENGINEERING SUMMARY(a) REPORT OF DRILL STEM TESTS

DST # 3

DATE: 81-02-21

INTERVAL: 1275 - 1285 m KB (Tetcho)

Prewflow 5 mins. F F 120 mins.I S I 60 mins. F S I 120 mins.

BLOW: A few bubbles on preflow then decreasing to nil.

No blow on final flow.

RECOVERY:

1 m. clobbered drilling mud.

I H P 13530 I F P 281 I S I P 237 Prewflow 220F H P 13530 F F P 273 F S I P 264

DST #

DATE:

INTERVAL:

Prewflow _____ mins. F F _____ mins.

I S I _____ mins. F S I _____ mins.

BLOW:

RECOVERY:

I H P _____ I F P _____ I S I P _____ Prewflow _____

F H P _____ F F P _____ F S I P _____

(b)

CASING RECORDString # 1

DEPTH SET: 158.5 m KB

NUMBER OF JOINTS RUN: 14 joints

CASING DESCRIPTION: 339.7 mm, H-40, 71.43 kg/m casing

CASING EQUIPMENT USED: Centralizers on joints 1, 3 and 5
Guide Shoe
Float Collar

CEMENT DESCRIPTION: 20 tonnes of Class G plus 2% CaCl_2
Density 1891 kg/m³

REMARKS: Float held okay. 4 m³ of good cement returns.

(b)

CASING RECORDString # 2

DEPTH SET: 558 m KB

NUMBER OF JOINTS RUN: 47 joints

CASING DESCRIPTION: 219 mm, 35.72 kg/m, J-55 ST&C new casing

CASING EQUIPMENT USED: Centralizers 556, 536 and 514 m
Float Collar
Guide Shoe

CEMENT DESCRIPTION: 40 tonnes of Oilwell Class G plus 2% CaCl_2
Density 1891 kg/m³

REMARKS: Good returns of 10 m³ to surface. Float held ok.

c) Bit Record

14.

WELL NAME Sulpetro et al Trout Lake P-34
LOCATION Trout Lake
CONTRACTOR Baltic Rig 12
RIG No. 12
DATE SPUDDED 10:30 81 01 15
DATE RIG RELEASED 08:00 81 02 25

DRILL PIPE:	SIZE	O.D.	<u>114</u>	kg/m	<u>24.7</u>	TYPE	T.J.	<u>FH</u>
	SIZE	O.D.	<u> </u>	kg/m	<u> </u>	TYPE	T.J.	<u> </u>
DRILL COLLARS:	No.	<u>2</u>	O.D.	<u>228.6</u>	mm	I.D.	<u>76</u>	mm TYPE T.J. <u>6 5/8 Reg</u>
	No.	<u>18</u>	O.D.	<u>165</u>	mm	I.D.	<u>63</u>	mm TYPE T.J. <u>4½ H 90</u>
	No.	<u> </u>	O.D.	<u> </u>	mm	I.D.	<u> </u>	mm TYPE T.J. <u> </u>
	No.	<u> </u>	O.D.	<u> </u>	mm	I.D.	<u> </u>	mm TYPE T.J. <u> </u>

[illegible]

(d)

MUD REPORTTYPES OF MUD SYSTEMS

<i>Surface Hole -</i>	<i>Gel-chemical mud system</i>
<i>Intermediate hole -</i>	<i>Gel-Chemical mud system</i>
<i>Main hole -</i>	<i>(558 - 985 m) - Water</i>
	<i>(985 - TD) - Gel-chemical</i>

MUD MATERIAL USED

<u>MATERIAL</u>	<u>QUANTITY</u>
<i>Bentonite</i>	<i>47628 kg</i>
<i>Sawdust</i>	<i>2504</i>
<i>Caustic</i>	<i>1134</i>
<i>Kwik-seal</i>	<i>500</i>
<i>CMC</i>	<i>318</i>
<i>Drispac</i>	<i>204</i>
<i>Bicarbonate of Soda</i>	<i>181</i>
<i>Cane Fiber</i>	<i>136</i>
<i>Benex</i>	<i>61</i>
<i>Fine Mica</i>	<i>45</i>
<i>Soda Ash</i>	<i>45</i>
<i>Peltex</i>	<i>23</i>

e) Deviation Report

DEVIATION SURVEYS

WELL NAME: Sulpetro et al Trout Lake P-34

DEPTH	DEVIATION	DPETH	DEVIATION	DEPTH	DEVIATION
36	$1/8^{\circ}$	1139	$3/4^{\circ}$		
65	$3/4^{\circ}$	1286	$2\frac{1}{2}^{\circ}$		
93	$\frac{1}{2}^{\circ}$	1315	2°		
131	$\frac{1}{2}$	1380	2°		
158	$3/4^{\circ}$	1390	2°		
200	$7/8^{\circ}$	1415	2°		
230	$7/8^{\circ}$	1467	$1\frac{1}{2}^{\circ}$		
267	$1/4^{\circ}$	1600	$1\frac{1}{2}^{\circ}$		
305	0°	1639	2°		
335	$1/8^{\circ}$	1687	2°		
376	$1/8^{\circ}$	1791	1°		
420	0°	1830	1°		
459	0°	1896	1°		
497	$1/8^{\circ}$	2000	1°		
515	0°	2125	$7/8^{\circ}$		
558	$1/8^{\circ}$				
651	$7/8^{\circ}$				
867	$1/2^{\circ}$				
1030	1°				
	$3/4^{\circ}$				

(f)

PLUG BACK PROGRAMCement Plugs

PLUG:		PLUG #1 1st Stage	PLUG #1 2nd Stage	PLUG #2
DATE:		81-02-23	81-02-24	81-02-25
INTERVAL:	TOP	1887 m	1719 m	508 m
	BOTTOM	2126 m	1887 m	625 m
Mass of Cement:		26 tonnes ? 9.0 m ³	15.3 tonnes ? 11.77 m ³	14 tonnes ? 10.9 m ³
TYPE OF CEMENT:		Oilwell plus 15% salt	Oilwell plus 15% salt	Oilwell plus 15% salt
FELT PLUG DEPTH:		No Feel	1719 m w/ 2000 daN	506 m w/ 1000 daN

Displaced top 100 m of casing to diesel fuel and welded on plate with 51 mm riser pipe and valve. ✓

STATUS: Suspended as a Temperature Observation Well. ✓

(g)

LOST CIRCULATION ZONES

<u>Depth</u>	<u>Fluid Lost</u>	<u>Remedial Work</u>
1957 m	10 m ³	lost circulation material
1967 m	100 m ³	lost circulation material

(h)

REPORT OF BLOWOUTS

NOT APPLICABLE

19.

LOGGING RECORD

[illegible]

SECTION V

ANALYSIS(a) CORE ANALYSIS*Not Applicable*(b) WATER ANALYSIS

DST #1 - 1925 - 1945 m Lab No. E81-17573-2 ✓

DST #2 - 1275 - 1280 m Lab No. E81-17575-2 ✓

(c) GAS ANALYSIS

DST #1 - 1925 - 1945 m Lab No. E81-17573-5 ✓

(d) OIL ANALYSIS*Not Applicable*

SECTION VI

COMPLETION SUMMARY(a) TUBING SUMMARY

N/A

(b) PERFORATION RECORD

N/A

(c) CEMENTATION RECORD

N/A

(d) ACIDIZATION REPORT

N/A

(e) BACK PRESSURE REPORT

N/A



CHEMICAL & GEOLOGICAL LABORATORIES LTD.

EDMONTON FORT ST. JOHN CALGARY



22.

CONTAINER IDENTITY

6737

LICENCE NUMBER

GAS ANALYSIS

LABORATORY NUMBER

E81-17573-5 ✓

OPERATOR NAME

SULPETRO LIMITED

LOCATION

P-34 (NWT)

WELL NAME

SULPETRO ET AL TROUT LAKE P-34 (NWT)

ELEVATION
M. & IMPOSED ORD.

535.5 530.

FIELD OR AREA

TROUT LAKE

POOL OR ZONE

DOLOMITE POROSITY

NAME OF SAMPLER

COMPANY

LYNES UNITED

SERVICES LTD.

TEST TYPE

DST

NO.

1

TEST RECOVERY

1580 M SULPHUROUS SALT WATER

MULTIPLE
RECOVERY

Y N

X

SAMPLING POINT

AMT. & TYPE OF CUSHION

MUD RESISTIVITY

FLARELINE

TYPE OF PRODUCTION

PUMPING

FLOWING

GAS LIFT

SWAB

Test Interval (metres)

1925 - 1945

Perforations (metres)

PRODUCTION RATES

WATER

m³/d

OIL

m³/d

GAS

10³m³/d

CONTAINER

GAUGE PRESSURE

kPa

SEPARATOR

TREATER

RESERVOIR

SOURCE

SAMPLED

CONTAINER

RECEIVED

30

TEMPERATURE

°C

SEPARATOR

TREATER

RESERVOIR

SOURCE

SAMPLED

CONTAINER

RECEIVED

21

DATE SAMPLED (Y-M-D)

81/02/18

DATE RECEIVED (Y-M-D)

81/02/27

DATE REPORTED (Y-M-D)

81/03/13

ANALYST

J.C.

OTHER INFORMATION

MOLE FRACTION
AIR FREE AS RECEIVED AIR FREE ACID GAS FREEPETROLEUM
LIQUID CONTENT

COMP.	AIR FREE AS RECEIVED	AIR FREE ACID GAS FREE	PETROLEUM LIQUID CONTENT
H ₂	0.0067	0.0082	
He	0.0013	0.0016	
N ₂	0.0290	0.0355	
CO ₂	0.1832	0.0000	
H ₂ S	0.0000	0.0000	
C ₁	0.7794	0.9542	
C ₂	0.0004	0.0005	
C ₃	0.0000	0.0000	0.0
IC ₄	0.0000	0.0000	0.0
NC ₄	0.0000	0.0000	0.0
IC ₅	0.0000	0.0000	0.0
NC ₅	0.0000	0.0000	0.0
C ₆	0.0000	0.0000	0.0
C ₇	0.0000	0.0000	0.0
C ₈	0.0000	0.0000	0.0
C ₉	0.0000	0.0000	0.0
C ₁₀₊	0.0000	0.0000	0.0
TOTAL	1.0000	1.0000	0.0

GROSS HEATING VALUE MJ/m³
15°C AND 101.325 kPaMOISTURE AND ACID GAS FREE
MEASURED CALCULATED

36.15

DETERMINED
DEW POINT

°C

VAPOUR PRESSURE
PENTANES PLUS

0.0

RELATIVE DENSITY

MOISTURE FREE AS SAMPLED
MEASURED CALCULATED

INSUFFICIENT

0.739

MOISTURE AND ACID GAS FREE
MEASURED CALCULATED

0.564

PSEUDO CRITICAL PROPERTIES (CALCULATED)

p_c (atm)

AS SAMPLED

p_cp_c (atm)

ACID GAS FREE

p_c

5079.0

200.6

4562.0

187.2

H₂S g/m³

0.00

RELATIVE MOLECULAR MASS

Total Gas

21.41

C₁

0.00

C₅+ ML/MOL 0.000

GROSS HEATING VALUE AS PER AGA REPORT #5

29.55 MJ/M³ @ 15°C AND 101.325 KPa



CONTAINER IDENTITY

CHEMICAL & GEOLOGICAL LABORATORIES LTD.

EDMONTON FORT ST. JOHN CALGARY



LABORATORY NUMBER

E81-17575-2

WATER ANALYSIS

LICENSE NUMBER

OPERATOR NAME

SULPETRO LIMITED

LOCATION

P-34 (NWT)

WELL NAME

SULPETRO ET AL TROUT LAKE P-34 (NWT)

ELEVATION
B.S. CORRELATED GRD.

535.5 530.

FIELD OR AREA

TROUT LAKE

POOL OR ZONE

UTAHN

NAME OF SAMPLER

COMPANY

LYNES UNITED
SERVICES LTD.

TEST TYPE

NO

DST 3

TEST RECOVERY

1 M. MUD

MULTIPLE
RECOVERY

X

SAMPLING POINT

DOWNHOLE SAMPLER

AMT. & TYPE OF CUSHION

MUD RESISTIVITY

Test Interval (metres)

1275 - 1280

Perforations (metres)

PUMPING

TYPE OF PRODUCTION

FLOWING

GAS LIFT

SWAB

PRODUCTION RATES

WATER

m³/d

OIL

m³/d

GAS

10³ m³/d

GAUGE PRESSURE

kPa

TEMPERATURE

°C

DATE SAMPLED (Y-M-D)

81/02/21

DATE RECEIVED (Y-M-D)

81/02/27

DATE REPORTED (Y-M-D)

81/03/13

ANALYST

A.L.

OTHER INFORMATION

ION

 $\frac{m \cdot V^{-1}}{g \cdot m^{-3}}$ Mass
Fraction $\frac{c}{mol \cdot m^{-3}}$

ION

 $\frac{m \cdot V^{-1}}{g \cdot m^{-3}}$ Mass
Fraction $\frac{c}{mol \cdot m^{-3}}$

TOTAL SOLIDS

 $\frac{m \cdot V^{-1}}{g \cdot m^{-3}}$

Na

Cl

1 489

41.99

K

Br

Ca

I

Mg

HCO₃

Ba

SO₄

Sr

CO₃

Fe PRESENT

OH

H₂S NILEVAPORATED @ 110°C
3 615EVAPORATED @ 150°C
AT IGNITION

3 020

CALCULATED

ORGANICS: PRESENT

RELATIVE DENSITY

REFRACTIVE INDEX

@ 20°C

1.3335

@ 20°C

OBSERVED pH
7.9 • 21.4RESISTIVITY (Ohm-m)
1.88 • 27°CLOGARITHMIC PATTERN $c/mol \cdot m^{-3}$

Na

%Ca

%Mg

%Fe

Cl

HCO₃%SO₄%CO₃

REMARKS

The analysis was determined on water extracted from mud and characteristic of a mud filtrate water.

Lynes United Downhole sampler 71 received under atmospheric pressure and contained 1.9 L of mud only.

E81-17575-1:

Sampled from top of t

RESISTIVITY OF THE
FILTRATE:1.90 Ohm/meters @ 25°C
Mud.

LYNES UNITED SERVICES LTD.

DRILLSTEM TEST SUMMARY REPORT

Date: 81 02 18

Well name: SULPETRO ET AL TROUT LAKE P-34
 Location: 400/ 60.235 / 123.056 /00

Licence no. 46424
 Ticket no. 46424

DST number 001 LYNES test #1 Test number 1 of 1 (on same trip)
 Test type: INFLATE STRADDLE

Kelly bushing (M): 535.50 Ground elevation (M): 530.0
 Interval from (M): 1925.00
 to (M): 1945.00 Total depth (M): 2126.0

Formation: FORMATION NOT AVAILABLE

TIME AND PRESSURE DATA

Recorder #015836

	TIMES (min)	PRESSURES (kPa)		TIMES (min)	PRESSURE (kPa)
1st flow	5.	2445.0			4854.0
		5523.0	2nd flow	120.	17465.0
1st shutin	60.	17657.0	2nd shutin	120.	17535.0
3rd flow			4th flow		
3rd shutin			4th shutin		
Initial hydrostatic		20527.0	Final hydrostatic		20527.0

GENERAL REMARKS

Test results suggest HIGH PERMEABILITY within the interval tested.
 Initial shut-in stabilized in 25 minutes at 17 657.00 kPa; therefore no extrapolation was performed.
 Final shut-in stabilized immediately at 17 535.00 kPa.
 Recorder #15833 - clock slow; no initial shut-in available.

TEST RECOVERY DATA

25.

Blow description:

Weak initial puff increasing to strong air blow at end of preflow.

Strong air blow on final flow, gas to surface in 90 minutes with weak 60 cm flare. Too small to measure.

GAS MEASUREMENTS:

Measured with:

Riser (mm):

TIME (min)	SURF. CHOKE (mm)	READING (kPa)	CUBIC METRES/D
------------	------------------	---------------	----------------

NO GAS
MEASUREMENTS

Liquid recovery:

For DST# 001 through DST# 001

Amount (M) Of
1580.00 SULPHUROUS SALT WATER.

.Total recovery (M): 1580.00

Reversed out: NO

Salinity (g/M3): 146000.

Bottom hole sampler# 108
Sent to: C & G

Gas bomb# 6737
Sent to:

No. of fluid samples: 3
Sent to: C & G

GENERAL DATA

Inhibitor amount (M):

Cushion type:

Liquid amount (M):

Gas pressure (kPa):

Started in hole:

1100 Hrs.

Opened tool at:

1805 Hrs.

MUD AND HOLE DATA

Hole condition @ test time: GOOD

Conditioned prior to test: NO

Calipered hole size @ test depth (mm)

Mud type: GEL CHEMICAL

Viscosity (sec/l): 60.0

Filter cake (mm): 1.5

Mud weight (kg/M3): 1060.00

Water loss (cm3): 8.5

Reservoir temperature (C):

Recorder temperature (C): 107.8

Pipe size (mm)

Type

Weight (kg/M)

114.3

NO DP-TYPE AVAILABLE

24.70

Collar size (mm)

Type

Int. diameter (mm)

Length (M)

158.0

NO DP-TYPE AVAILABLE

71.0

132.0

BTM choke size (mm):

25.4

Rat hole size (mm):

Rat hole length (M):

Main hole size (mm):

200.0

Total number of packers run: 2

Mailing Data

Company: SULPETRO OF CANADA LTD.

Address: 3200 BOW VALLEY SQ 3

255 - 5TH AVE. S.W.

CALGARY, ALBERTA

T2P 3G6

Reports sent to: MR. JOHN EVANS

Number of Reports: 5

WELL NAME: SULPETRO ET AL TROUT LAKE P-34
WELL LOCATION: 400/ 60.235 / 123.056 /00
DST NUMBER: 001
RECORDER NUMBER: 015836
INTERVAL TESTED: 1925.00M TO 1945.00M
RECORDER DEPTH: 1927.00M
TOTAL FLOW TIME: 5.MIN

FIRST SHUT IN PRESSURE (LIQUID)

TIME (MIN) PHI	(T+PHI) /PHI	PRESSURE (KPa)
.0	.0000	5523.0
2.0	3.5000	17325.0
4.0	2.2500	17500.0
6.0	1.8333	17552.0
8.0	1.6250	17570.0
10.0	1.5000	17579.0
12.0	1.4167	17587.0
14.0	1.3571	17605.0
16.0	1.3125	17622.0
18.0	1.2778	17640.0
20.0	1.2500	17649.0
25.0	1.2000	17657.0
30.0	1.1667	17657.0
35.0	1.1429	17657.0
40.0	1.1250	17657.0
45.0	1.1111	17657.0
50.0	1.1000	17657.0
55.0	1.0909	17657.0
60.0	1.0833	17657.0

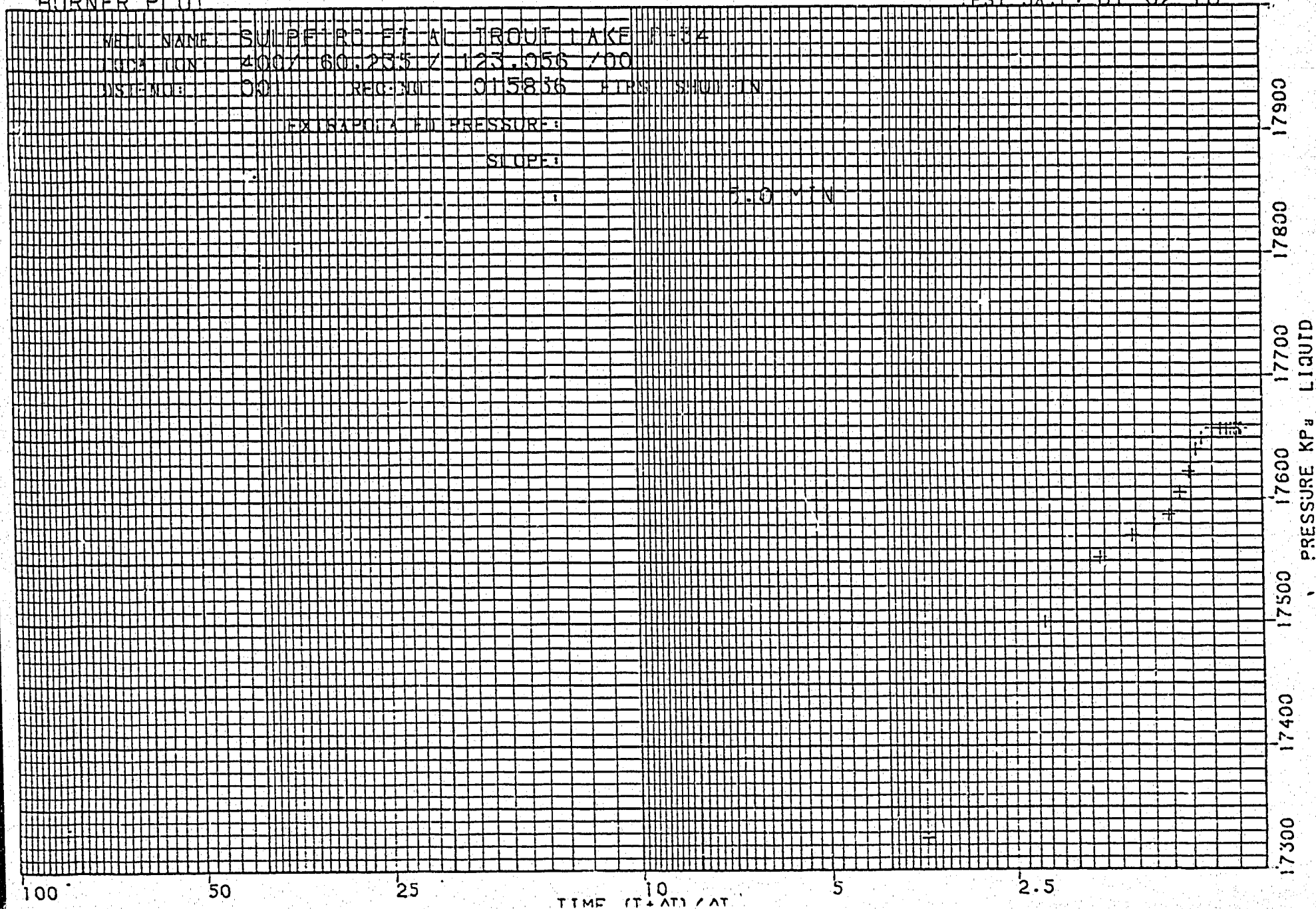
* VALUES USED IN HORNER ANALYSIS

SLOPE:

EXTRAPOLATED PRESSURE:

HORNER PLOT

TEST DATE: 81 02 18



RECORDER PAGE

WELL NAME : SULPETRO ET AL TROUT LAKE P-34
 LOCATION : 400/ 60.235 / 123.056 /00
 DST NUMBER : 001

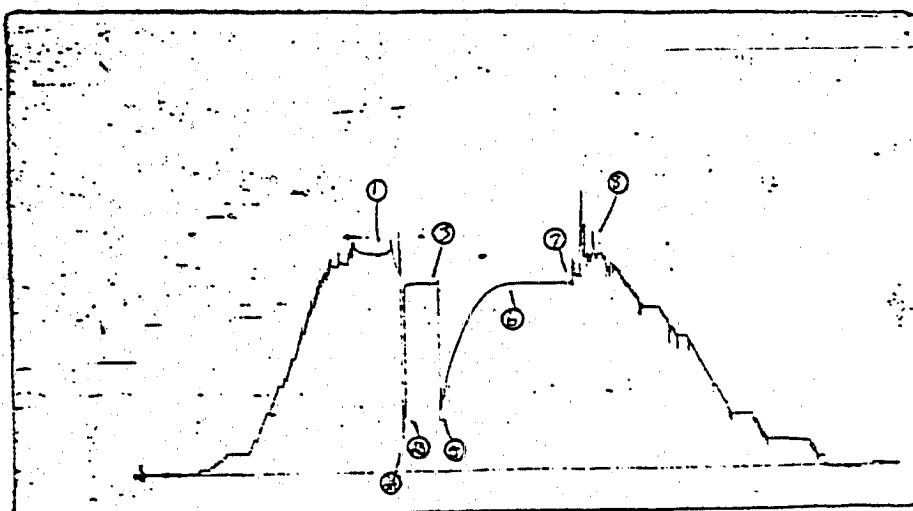
RECORDER NUMBER: 015836 TYPE: K3
 DEPTH : 1927.00 m INSIDE/OUTSIDE: OUTSIDE
 CAPACITY: 41369.00 kPa

	TIMES (MIN)	PRESSURES (kPa)
		2445.00
INITIAL FLOW	5.	5523.00
INITIAL SHUTIN	60.	17657.00
		4854.00
FINAL FLOW	120.	17465.00
FINAL SHUTIN	120.	17535.00

INITIAL HYDROSTATIC: 20527.0

FINAL HYDROSTATIC: 20527.0

- 1 --- INITIAL HYDROSTATIC
- 2a --- START OF PREFLOW
- 2b --- END OF PREFLOW
- 3 --- INITIAL SHUT-IN
- 4a --- START OF 2nd FLOW
- 4b --- END OF 2nd FLOW
- 4c --- 2nd SHUT-IN
- 5 --- START OF FINAL FLOW
- 6 --- END OF FINAL FLOW
- 7 --- FINAL SHUT-IN
- 8 --- FINAL HYDROSTATIC



RECORDER PAGE

WELL NAME : SULPETRO ET AL TROUT LAKE P-34
 LOCATION : 400/ 60.235 / 123.056 /00
 DST NUMBER : 001

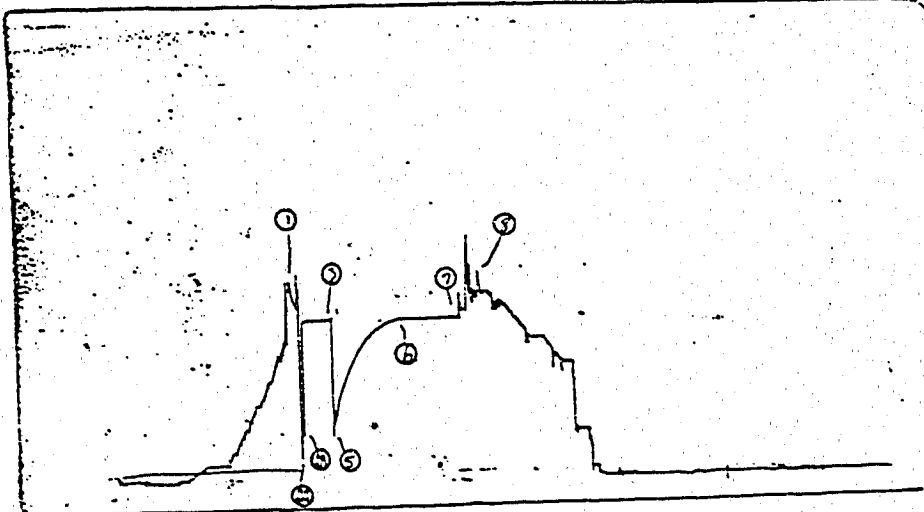
RECORDER NUMBER: 008952 TYPE: K3
 DEPTH : 1927.00 m INSIDE/OUTSIDE: OUTSIDE
 CAPACITY: 48263.00 kPa

	TIMES (MIN)	PRESSURES (kPa)
INITIAL FLOW	5.	2766.00
INITIAL SHUTIN	60.	5311.00
		17578.00
FINAL FLOW	120.	5111.00
FINAL SHUTIN	120.	17438.00
		17538.00

INITIAL HYDROSTATIC: 20424.0

FINAL HYDROSTATIC: 20424.0

- 1 --- INITIAL HYDROSTATIC
- 2a --- START OF PREFLOW
- 2b --- END OF PREFLOW
- 3 --- INITIAL SHUT-IN
- 4a --- START OF 2nd FLOW
- 4b --- END OF 2nd FLOW
- 4c --- 2nd SHUT-IN
- 5 --- START OF FINAL FLOW
- 6 --- END OF FINAL FLOW
- 7 --- FINAL SHUT-IN
- 8 --- FINAL HYDROSTATIC



RECORDER PAGE

WELL NAME : SULPETRO ET AL TROUT LAKE P-34
 LOCATION : 400/ 60.235 / 123.056 /00
 DST NUMBER : 001

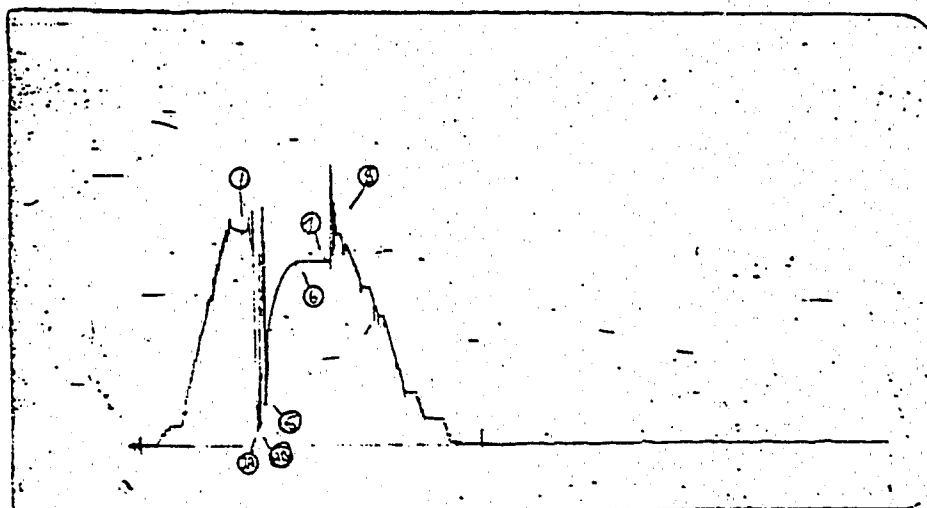
RECORDER NUMBER: 015833 TYPE: K3
 DEPTH : 1916.00 m INSIDE/OUTSIDE: INSIDE
 CAPACITY: 42403.00 kPa

	TIMES (MIN)	PRESSURES (kPa)
INITIAL FLOW	5.	1249.00
INITIAL SHUTIN	60.	2111.00
FINAL FLOW	120.	3816.00
FINAL SHUTIN	120.	17309.00
		17398.00

INITIAL HYDROSTATIC: 20327.0

FINAL HYDROSTATIC: 20006.0

- 1 --- INITIAL HYDROSTATIC
- 2a --- START OF PREFLOW
- 2b --- END OF PREFLOW
- 3 --- INITIAL SHUT-IN
- 4a --- START OF 2nd FLOW
- 4b --- END OF 2nd FLOW
- 4c --- 2nd SHUT-IN
- 5 --- START OF FINAL FLOW
- 6 --- END OF FINAL FLOW
- 7 --- FINAL SHUT-IN
- 8 --- FINAL HYDROSTATIC



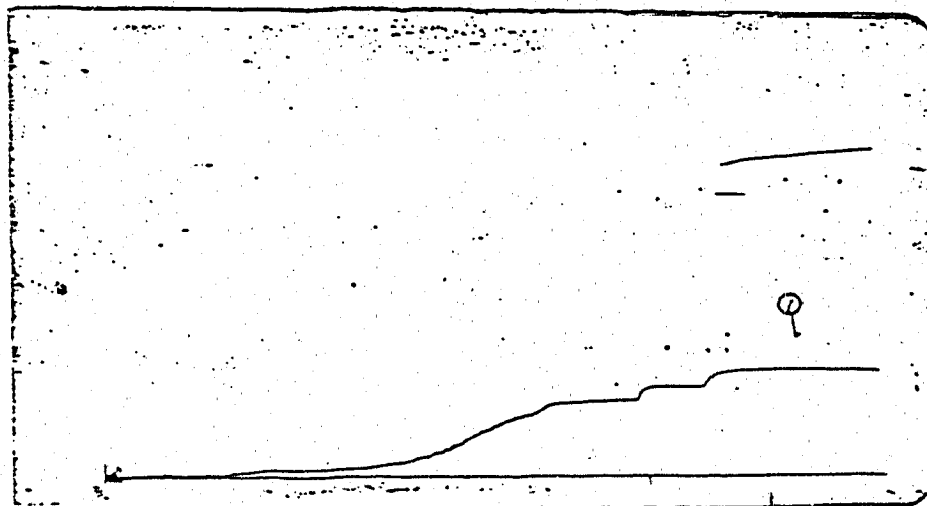
RECORDER PAGE

WELL NAME : SULPETRO ET AL TROUT LAKE P-34
LOCATION : 400/ 60.235 / 123.056 /00
DST NUMBER : 001

RECORDER NUMBER: 009009 TYPE: K3
DEPTH : 1927.00 m INSIDE/OUTSIDE: OUTSIDE
TEMP. RANGE: 4.44 - 162.78 C

TEMPERATURE AT TEST DEPTH

107.75 C



LYNES UNITED SERVICES LTD.

DRILLSTEM TEST SUMMARY REPORT

Date: 81 02 19

Well name: SULPETRO ET AL TROUT LAKE P-34
 Location: 400/ 60.235 / 123.056 /00

Licence no. 46424
 Ticket no. 46425

DST number 002 LYNES test #2 Test number 1 of 1 (on same trip)
 Test type: INFLATE STRADDLE

Kelly bushing (M): 535.50 Ground elevation (M): 530.00
 Interval from (M): 2015.00
 to (M): 2023.00 Total depth (M): 2126.00

Formation: ELK POINT GROUP

TIME AND PRESSURE DATA

Recorder #015833

TIMES (min)	PRESSURES (kPa)	TIMES (min)	PRESSURES (kPa)
1st flow		2nd flow	
1st shutin		2nd shutin	
3rd flow		4th flow	
3rd shutin		4th shutin	
Initial hydrostatic		Final hydrostatic	

GENERAL REMARKS

Misrun - hole bridged off, unable to reach test depth.

TEST RECOVERY DATA

Blow description:

Misrun.

GAS MEASUREMENTS:

Measured with:

Riser (mm):

TIME (min)	SURF. CHOKE (mm)	READING (kPa)	CUBIC METRES/D
------------	------------------	---------------	----------------

NO GAS
MEASUREMENTS

Liquid recovery:

For DST# 002 through DST# 002

Amount (M) Of

Total recovery (M): .00

Reversed out: NO

Salinity (g/M3):

Bottom hole sampler#

Sent to:

Gas bomb#

Sent to:

No. of fluid samples:

Sent to:

GENERAL DATA *****

Inhibitor amount (M):

Cushion type:

Liquid amount (M):

Gas pressure (kPa):

Started in hole:

1200 Hrs.

Opened tool at:

Hrs.

MUD AND HOLE DATA *****

Hole condition at test time: GOOD

Conditioned prior to test: NO

Calipered hole size at test depth (mm) 210.0

Mud type: GEL CHEMICAL

Viscosity (sec/l): 60.0

Filter cake (mm): 1.5

Mud weight (kg/M3): 1085.00

Water loss (cm3): 8.5

Reservoir temperature (C):

Recorder temperature (C):

Pipe size (mm)	Type	Weight (kg/M)
114.3	NO DP-TYPE AVAILABLE	24.70

Collar size (mm)	Type	Int. diameter (mm)	Length (M)
158.8	NO DP-TYPE AVAILABLE	71.0	121.94

BTM choke size (mm): 25.4

Rat hole size (mm):

Rat hole length (M):

Main hole size (mm): 200.0

Total number of packers run: 2

Mailing Data *****

Company: SULPETRO OF CANADA LTD.
Address: 3200 BOW VALLEY SQ 3
255 - 5TH AVE. S.W.
CALGARY, ALBERTA
T2P 3G6

Reports sent to: JOHN EVANS

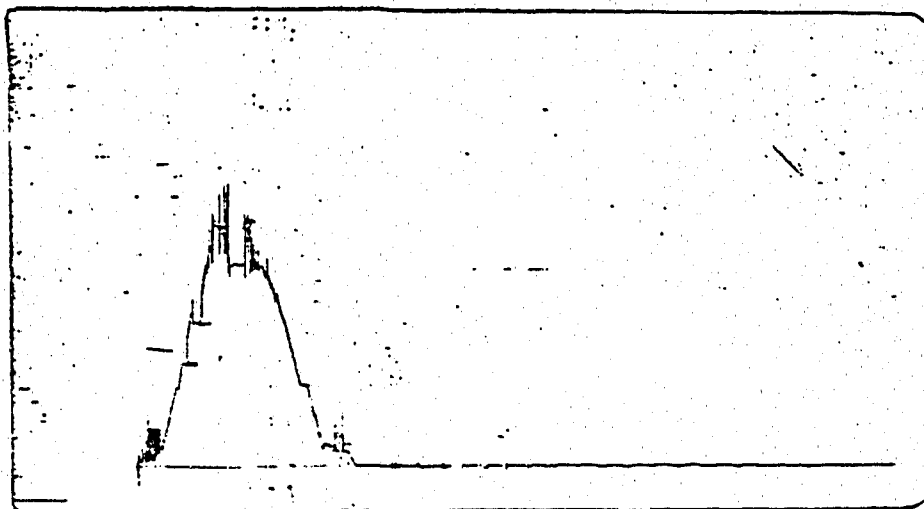
Number of Reports: 5

RECORDER PAGE

WELL NAME : SULPETRO ET AL TROUT LAKE P-34
LOCATION : 400/ 60.235 / 123.056 /00
DST NUMBER : 002

RECORDER NUMBER: 015833 TYPE: K-3
DEPTH : m INSIDE/OUTSIDE: OUTSIDE
CAPACITY: 42403.00 kPa

- 1 --- INITIAL HYDROSTATIC
- 2a --- START OF PREFLOW
- 2b --- END OF PREFLOW
- 3 --- INITIAL SHUT-IN
- 4a --- START OF 2nd FLOW
- 4b --- END OF 2nd FLOW
- 4c --- 2nd SHUT-IN
- 5 --- START OF FINAL FLOW
- 6 --- END OF FINAL FLOW
- 7 --- FINAL SHUT-IN
- 8 --- FINAL HYDROSTATIC

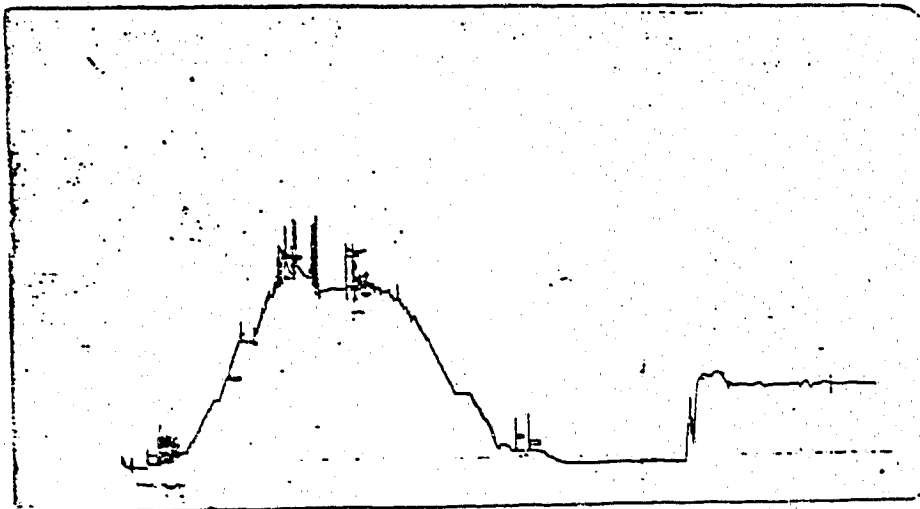


RECORDER PAGE

WELL NAME : SULPETRO ET AL TROUT LAKE P-34
LOCATION : 400/ 60.235 / 123.056 /00
DST NUMBER : 002

RECORDER NUMBER: 008952 TYPE: K-3
DEPTH : INSIDE/OUTSIDE: OUTSIDE
CAPACITY: 48263.00 kPa

- 1 --- INITIAL HYDROSTATIC
- 2a --- START OF PREFLOW
- 2b --- END OF PREFLOW
- 3 --- INITIAL SHUT-IN
- 4a --- START OF 2nd FLOW
- 4b --- END OF 2nd FLOW
- 4c --- 2nd SHUT-IN
- 5 --- START OF FINAL FLOW
- 6 --- END OF FINAL FLOW
- 7 --- FINAL SHUT-IN
- 8 --- FINAL HYDROSTATIC

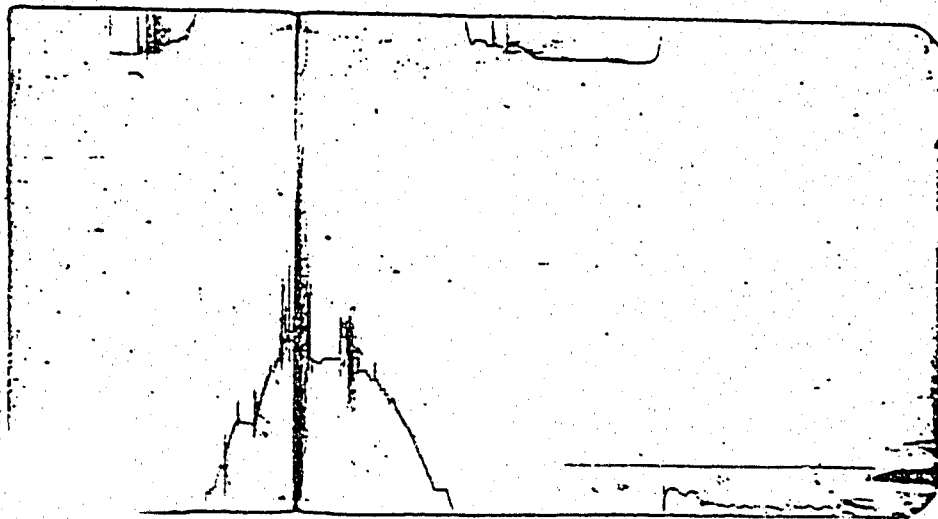


RECORDER PAGE

WELL NAME : SULPETRO ET AL TROUT LAKE P-34
LOCATION : 400/ 60.235 / 123.056 /00
DST NUMBER : 002

RECORDER NUMBER: 015836 TYPE: K-3
DEPTH : m INSIDE/OUTSIDE: INSIDE
CAPACITY: 41369.00 kPa

- 1 --- INITIAL HYDROSTATIC
- 2a --- START OF PREFLOW
- 2b --- END OF PREFLOW
- 3 --- INITIAL SHUT-IN
- 4a --- START OF 2nd FLOW
- 4b --- END OF 2nd FLOW
- 4c --- 2nd SHUT-IN
- 5 --- START OF FINAL FLOW
- 6 --- END OF FINAL FLOW
- 7 --- FINAL SHUT-IN
- 8 --- FINAL HYDROST



RECORDER PAGE

WELL NAME : SULPETRO ET AL TROUT LAKE P-34
LOCATION : 400/ 60.235 / 123.056 /00
DST NUMBER : 002

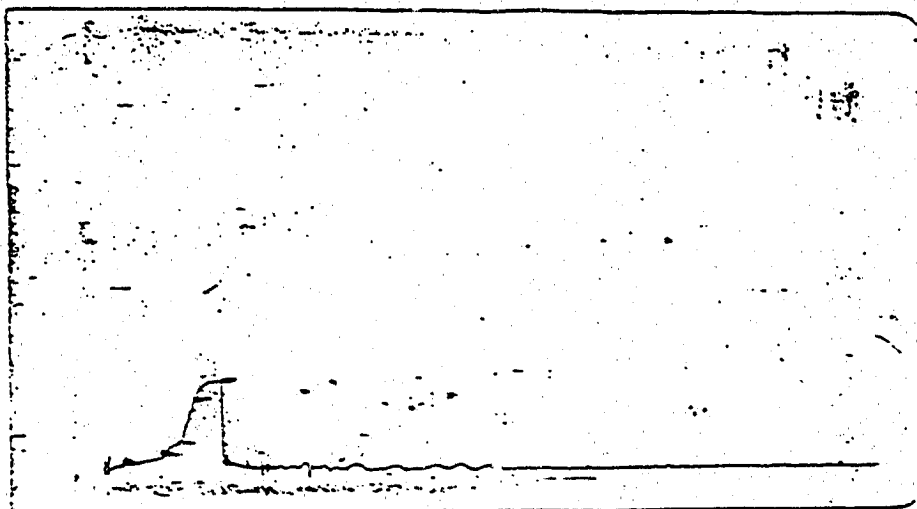
RECORDER NUMBER: 009009

DEPTH :

TYPE: K-3

INSIDE/OUTSIDE: OUTSIDE

TEMP. RANGE: 4.44 - 162.78 C



LYNES UNITED SERVICES LTD.

DRILLSTEM TEST SUMMARY REPORT

Date: 81 02 21

Well name: SULPETRO ET AL TROUT LAKE P-34
 Location: 400/ 60.235 / 123.056 /00

Licence no. 46424
 Ticket no. 46645

DST number 003 LYNES test #3 Test number 1 of 1 (on same trip)
 Test type: INFLATE STRADDLE

Kelly bushing (M): 535.50 Ground elevation (M): 530.00
 Interval from (M): 1275.00
 to (M): 1280.00 Total depth (M): 2126.00

Formation: FORMATION NOT AVAILABLE

TIME AND PRESSURE DATA

Recorder #007311

	TIMES (min)	PRESSURES (kPa)	:		TIMES (min)	PRESSURES (kPa)
1st flow	5.	202.0	:	2nd flow	120.	281.0
		220.0	:			273.0
1st shutin	60.	237.0	:	2nd shutin	120.	264.0
			:			
3rd flow			:	4th flow		
			:			
3rd shutin			:	4th shutin		
			:			
Initial hydrostatic		13530.0	:	Final hydrostatic		13530.0

GENERAL REMARKS

Test results indicate a mechanically successful test, bottom hole pressures and the shape of the shut-in curves suggest VIRTUALLY NO PERMEABILITY within the interval tested.

LYNES UNITED SERVICES LTD.

TEST RECOVERY DATA

Blow description:

Few bubbles on preflow then decreasing to nil.

No blow on final flow.

GAS MEASUREMENTS:

Measured with:

Riser (mm):

TIME (min)	SURF. CHOKE (mm)	READING (kPa)	CUBIC METRES/D
------------	------------------	---------------	----------------

NO GAS
MEASUREMENTS

Liquid recovery:

For DST# 3 through DST# 3

Amount (M) Of
1.00 CLOBBED DRILLING MUD.

Total recovery (M): 1.00

Reversed out: NO

Salinity (g/M3): 2000.

Bottom hole sampler# 71

Sent to: C & G

Gas bomb#

Sent to:

No. of fluid samples: 1

Sent to: C & G

GENERAL DATA *****

Inhibitor amount (M):

Cushion type:

Liquid amount (M):

Gas pressure (kPa):

Started in hole:

1620 Hrs.

Opened tool at:

2047 Hrs.

MUD AND HOLE DATA *****

Hole condition @ test time: GOOD

Conditioned prior to test: YES

Calipered hole size @ test depth (mm) 220.0

Mud type: GEL CHEMICAL

Viscosity (sec/l): 100.0

Filter cake (mm): 1.5

Mud weight (kg/M3): 1085.00

Water loss (cm3): 8.5

Reservoir temperature (C):

Recorder temperature (C): 58.3

Pipe size (mm)

Type

Weight (kg/M)

114.3

NO DP-TYPE AVAILABLE

24.70

Collar size (mm) Type

Int. diameter (mm) Length (M)

158.0

NO DP-TYPE AVAILABLE

71.0

121.94

BTM choke size (mm): 25.4

Rat hole size (mm):

Rat hole length (M):

Main hole size (mm): 200.0

Total number of packers run: 2

Mailing Data *****

Company: SULPETRO OF CANADA LTD.

Address: 3200 BOW VALLEY SQ 3

255 - 5TH AVE. S.W.

CALGARY, ALBERTA

T2P 3G6

Reports sent to: MR. JOHN EVANS

Number of Reports: 5

LYNES UNITED SERVICES LTD.

RECORDER PAGE

WELL NAME : SULPETRO ET AL TROUT LAKE P-34
 LOCATION : 400/ 60.235 / 123.056 /09
 DST NUMBER : 003

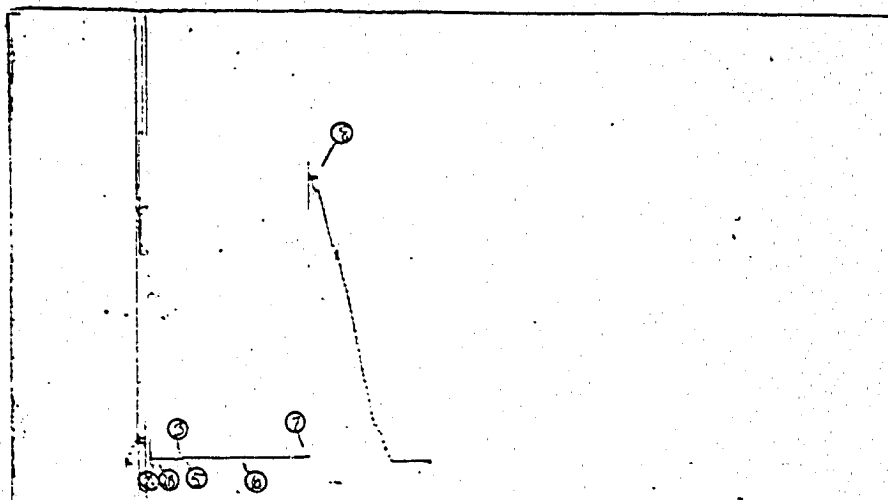
RECORDER NUMBER: 007311 TYPE: K3
 DEPTH : 1277.00 m INSIDE/OUTSIDE: OUTSIDE
 CAPACITY: 21029.00 kPa

	TIMES (MIN)	PRESSURES (kPa)
INITIAL FLOW	5.	202.00
INITIAL SHUTIN	60.	220.00
		237.00
		281.00
FINAL FLOW	120.	273.00
FINAL SHUTIN	120.	264.00

INITIAL HYDROSTATIC: 13530.0

FINAL HYDROSTATIC: 13530.0

- 1 --- INITIAL HYDROSTATIC
- 2a --- START OF PREFLOW
- 2b --- END OF PREFLOW
- 3 --- INITIAL SHUT-IN
- 4a --- START OF 2nd FLOW
- 4b --- END OF 2nd FLOW
- 4c --- 2nd SHUT-IN
- 5 --- START OF FINAL FLOW
- 6 --- END OF FINAL FLOW
- 7 --- FINAL SHUT-IN
- 8 --- FINAL HYDROSTATIC



RECORDER PAGE

WELL NAME : SULPETRO ET AL TROUT LAKE P-34
 LOCATION : 400/ 60.235 / 123.056 /00
 DST NUMBER : 003

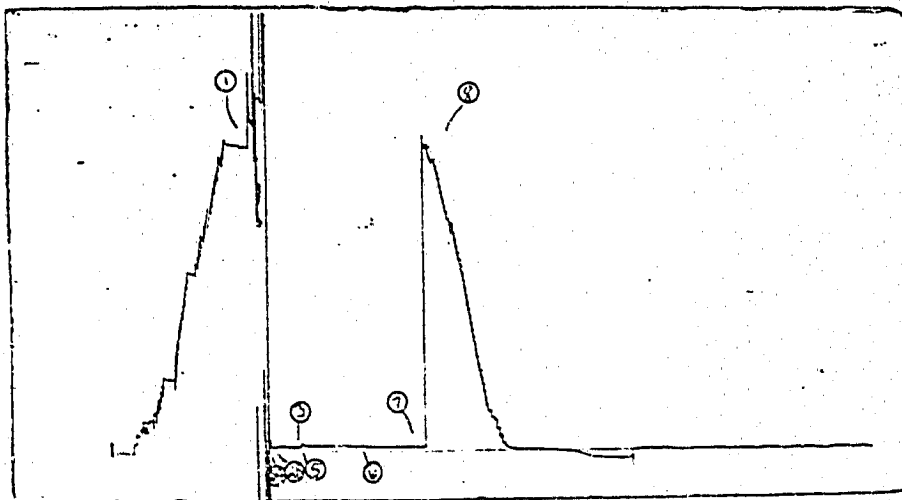
RECORDER NUMBER: 013128 TYPE: K3
 DEPTH : 1277.00 m INSIDE/OUTSIDE: OUTSIDE
 CAPACITY: 19305.00 kPa

	TIMES (MIN)	PRESSURES (kPa)
INITIAL FLOW	5.	177.00
INITIAL SHUTIN	60.	185.00
		226.00
FINAL FLOW	120.	218.00
FINAL SHUTIN	120.	177.00

INITIAL HYDROSTATIC: 13536.0

FINAL HYDROSTATIC: 13536.0

- 1 --- INITIAL HYDROSTATIC
- 2a --- START OF PREFLOW
- 2b --- END OF PREFLOW
- 3 --- INITIAL SHUT-IN
- 3a --- START OF 2nd FLOW
- 4b --- END OF 2nd FLOW
- 4c --- 2nd SHUT-IN
- 5 --- START OF FINAL FLOW
- 6 --- END OF FINAL FLOW
- 7 --- FINAL SHUT-IN
- 8 --- FINAL HYDROSTATIC



RECORDER PAGE

WELL NAME : SULPETRO ET AL TROUT LAKE P-34
 LOCATION : 400/ 60.235 / 123.056 /00
 DST NUMBER : 003

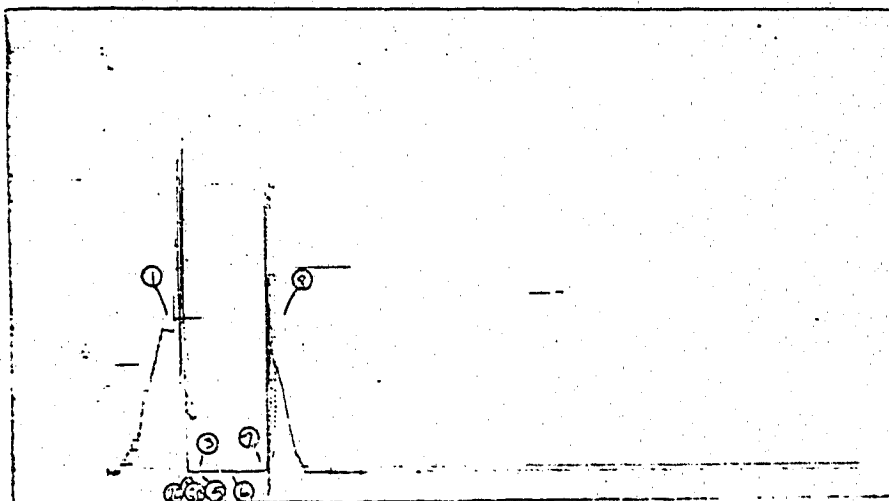
RECORDER NUMBER: 015836 TYPE: K3
 DEPTH : 1266.00 m INSIDE/OUTSIDE: INSIDE
 CAPACITY: 41364.00 kPa

	TIMES (MIN)	PRESSURES (kPa)
INITIAL FLOW	5.	106.00
INITIAL SHUTIN	60.	70.00
		106.00
FINAL FLOW	120.	141.00
FINAL SHUTIN	120.	141.00
		176.00

INITIAL HYDROSTATIC: 13493.0

FINAL HYDROSTATIC: 13493.0

- 1 --- INITIAL HYDROSTATIC
- 2a --- START OF PREFLOW
- 2b --- END OF PREFLOW
- 3 --- INITIAL SHUT-IN
- 4a --- START OF 2nd FLOW
- 4b --- END OF 2nd FLOW
- 4c --- 2nd SHUT-IN
- 5 --- START OF FINAL FLOW
- 6 --- END OF FINAL FLOW
- 7 --- FINAL SHUT-IN
- 8 --- FINAL HYDROSTATIC



SULPETRO

ET AL

TROUT LAKE P-34

P-34-60-30-121-00

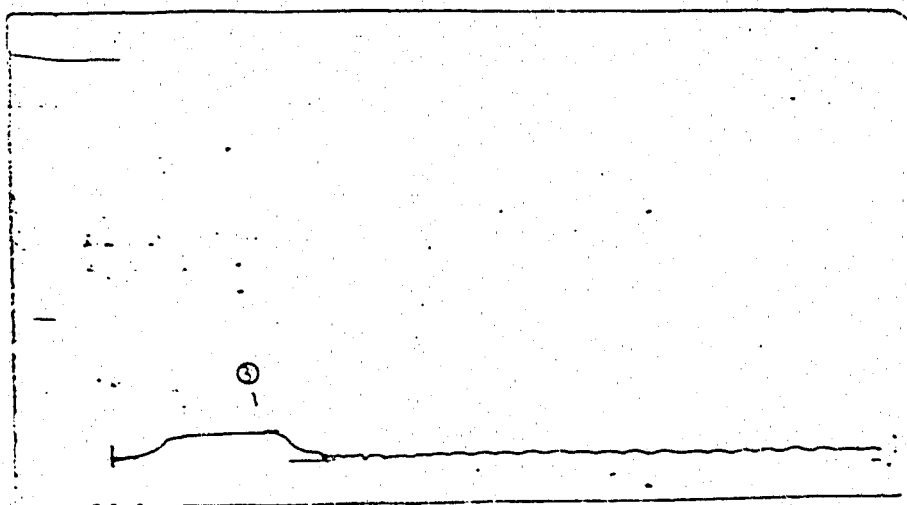
RECORDER PAGE

WELL NAME : SULPETRO ET AL TROUT LAKE P-34
LOCATION : 400/ 60.235 / 123.056 /00
DST NUMBER : 003

RECORDER NUMBER: 009009 TYPE: K3
DEPTH : 1277.00 m INSIDE/OUTSIDE: OUTSIDE
TEMP. RANGE: 4.44 - 167.80 C

TEMPERATURE AT TEST DEPTH

58.30 C





CONTAINER IDENTITY

CHEMICAL & GEOLOGICAL LABORATORIES LTD.

EDMONTON FORT ST. JOHN CALGARY



47.

WATER ANALYSIS

LABORATORY NUMBER

ES1-17573-2 ✓

LICENCE NUMBER

OPERATOR NAME

SULPETRO LIMITED

LOCATION

P-34 (NWT)

WELL NAME

SULPETRO ET AL TROUT LAKE P-34 (NWT)

ELEVATIONS

535.5

530.

FIELD OR AREA

TROUT LAKE

POOL OR ZONE

DOLOMITE POROSITY

NAME OF SAMPLER

COMPANY

LYNES UNITED SERVICES LTD.

TEST TYPE

NO.

DST

1

TEST RECOVERY

1580 M SULPHUROUS SALT WATER

MULTIPLE RECOVERY

Y N

X

Test Interval (metres)

1925 - 1945

SAMPLING POINT

TOP OF TOOL

AMT. & TYPE OF CUSHION

MUD RESISTIVITY

0.25

TYPE OF PRODUCTION

PUMPING

FLOWING

GAS LIFT

SWAB

PRODUCTION RATES

WATER

OIL

GAS

10³ m³/d

SEPARATOR

TREATER

RESERVOIR

SOURCE

GAUGE PRESSURE

kPa

SEPARATOR

TREATER

RESERVOIR

SOURCE

TEMPERATURE

°C

ANALYST

OTHER INFORMATION

DATE SAMPLED (Y.M.D.)

81/02/18

DATE RECEIVED (Y.M.D.)

81/02/27

DATE REPORTED (Y.M.D.)

81/03/13

A.L.

ION

 $\frac{m \cdot V^{-1}}{g \cdot m^{-3}}$

Mass Fraction

 $\frac{c}{mol \cdot m^{-3}}$

ION

 $\frac{m \cdot V^{-1}}{g \cdot m^{-3}}$

Mass Fraction

 $\frac{c}{mol \cdot m^{-3}}$

Na

42 476 0.2734 1847.72

Cl

94 900 0.6101 2673.36

K

2 070 0.0133 52.99

Br

Ca

15 540 0.1000 387.73

Mg

61 0.0004 2.51

HCO₃

230 0.0015 3.77

Ba

SO₄

195 0.0013 2.03

Sr

CO₃

0 0.0000 0.00

Fe

PRESENT

OH

0 0.0000 0.00

H₂S

NIL

TOTALSOLIDS

 $\frac{m \cdot V^{-1}}{g \cdot m^{-3}}$

EVAPORATED @ 110°C

164 400

EVAPORATED @ 180°C

AT IGNITION

CALCULATED

149 200

155 372

ORGANICS: TRACE

RELATIVE DENSITY

REFRACTIVE INDEX

1.103 @ 20°C

1.3602 @ 20°C

OBSERVED pH

RESISTIVITY (0.1 mm)

6.1 @ 21°C

0.078 @ 20°C

REMARKS

The sample consisted of murky salt water.

LOGARITHMIC PATTERN $c/mol \cdot m^{-3}$

Na

1/2 Ca

1/2 Mg

1/2 Fe

Cl

HCO₃1/2 SO₄1/2 CO₃

SULPETRO LIMITED

LABORATORY REPORT NO: E21-17573

- E81-17573-1: Sampled from muddy water
RESISTIVITY: 0.147 Ohm/meters @ 25°C.
Muddy water.
- E81-17573-3: Sampled from middle
RESISTIVITY: 0.082 Ohm/meters @ 25°C.
Murky water.
- E81-17573-4: Downhole Sampler
RESISTIVITY: 0.332 Ohm/meters @ 25°C.
A Lynes United Downhole Sampler #108 was received at
ATM pressure. It contained 900 ML of heavy mud only.



Oil and Mineral Division

WELL HISTORY REPORTS - EXPLORATORY WELLS

Your file Votre référence

Pursuant to Section 101 (2) of the Canada Oil and Gas Drilling and Production Regulations, every licensee, permittee or lessee shall forward to the District Oil and Gas Conservation Engineer, Department of Indian Affairs and Northern Development, Oil and Mineral Division, to the appropriate District Office, in triplicate, within thirty days after the abandonment, suspension or completion of any well, a Well History Report. In order to standardize these reports in content and format, the following outline should be used.

SECTION I - Summary of Well Data

- (a) Complete well name and number as shown on the Drilling Authority. The well number - letter designation will be the unit - section, of the grid on which the well is drilled.

- (b) Permittee, Licencee or Lessee

- (c) Name of Operator

State the name and address of operator.

- (d) Location

All locations will be referred to the Grid System, i.e., unit-section-grid, e.g., C-39-63-50-120-30. Locations in latitude and longitude should also be supplied when available. Universal Well Location Reference number and the Unique Well Identifier should be used if available.

- (e) Co-ordinates

The position of each development well relative to the target area shall be precisely determined and shown.

- (f) Permit or Lease Number

- (g) Drilling Contractor

State the name, the rig number and type.

- (h) Drilling Authority

State the number and the date issued.

(i) Classification

State whether new field wildcat, step-out, etc. Use the Lahee Well Classification system.

(j) Elevations

Elevations are to include Ground and K.B.

(k) Spudded.

(l) Completed drilling.

(m) Total Depth and Plugged Back Total Depth, if applicable.

(n) Well Status.

(o) Date rig released.

(p) Hole Sizes to total depth.

(q) Casing.

SECTION II - Geological Summary

(a) Formation Tops

Tabulate E-log and sample tops separately.

(b) Cored Intervals

State intervals, formation and recovery.

(c) Core Descriptions

Include coring times in minutes per foot.

(d) Sample Description

(e) Paleontological Determinations

SECTION III - Engineering Summary

(a) Report of Drill Stem Tests

Include copies of charts and all pertinent data.

(b) Casing Record

Indicate in an appropriate form all pertinent data.

(c) Bit Record

Should include a comprehensive summary of bits used, size, hours on bottom, etc.

(d) Mud Report

Indicate the type and amount used.

(e) Deviation Record

Record results of all deviation surveys made.

(f) Abandonment Plugs

If production tests or completion was not attempted, abandonment plugs and intervals should be summarized in this section.

(g) Lost Circulation Zones

Indicate the formation, zone, depth intervals and amount of material lost. State the corrective measures taken.

(h) Report of Blowouts

Include the detailed description of all blowouts.

SECTION IV - Logs

Logging and surveying operations are to be tabulated showing dates run, intervals and type of logs run. One copy of each log should be included in an appropriate folder attached to the back of the report.

SECTION V - Analysis

(a) Core Analysis

(b) Water Analysis

(c) Gas Analysis

(d) Oil Analysis

A legible copy of each analysis should be included.

SECTION VI - Completion Summary

(a) Tubing Record

State all pertinent details regarding tubing and packers used.

(b) Perforation Record

This record must comprise the intervals perforated, the number of perforations, type and size of bullets and/or jets, and the dates when the operations were carried out.

(c) Cementation Record

Squeeze and plug back jobs must be numbered and dated and the intervals and operational details noted. Abandonment plugs must be numbered and dated and the position of the plugs given in relation to the zones and intervals. The amount of cement used and the depth at which each plug was felt should be included.

(d) Acidization and Fracturing Record

Include the amounts of acid and additive used, the feeding rates and pressures, the well conditions before and after stimulation.

(e) Back Pressure and Production Tests

Summarize the type of Back Pressure Test and give details on all Production Tests.

This report should be prepared on an 8½" x 11" paper and bound in a suitable loose-leaf type folder.

An index of the contents must precede the report material and the report must be dated and signed by an appropriate official.

DEVELOPMENT WELLS

In case of development wells, a formal Well History Report is not required. The Well Completion Data (Form 52-90-2) will suffice.

DUAL CLASSIFICATION WELLS

In case of wells with dual classifications, e.g. development well and deeper pool test, two well history reports should be submitted to facilitate release of information.

DEPARTMENT OF INDIAN
CROWN AFFAIRS
Regional Conservation Engineer

APR 22 1981

Western Natural Resources
Environment Branch

Trip Record Sheets 181

Jalpetes et al Trout Lake P-34 D:A 976

HOLD FILLING DATE

WELL NAME: SULPESRO ET AL TROUT LAKE P. 34 CONTRACTOR: Baltic Drilling (1979) Ltd

DATE & TIME: 8/02/15/0800 DEPTH: 2095 M RIG #: 12

DRILL PIPE SIZE: 114 MM 24.7 KG/M DISPLACEMENT 0.034 M3/M

DRILL COLLAR LENGTH: .179 m O.D. .165 MM ID: .73 MM DISPLACEMENT: .0141 M3/M

TOTAL DISPLACEMENT: Theoretical 7.983 M3 Actual 8.37 M3

NOTE: IT TAKES APPROX. 3 TIMES AS MUCH MUD FOR A WET TRIP OR D.S.T.

AVERAGE LENGTH OF STAND 28.50 M

ALL ENTRIES MUST BE ACCUMULATED.

[illegible]

DRILL PIPE	AVERAGE LENGTH m	DISPLACEMENT			
		DRY M3/M	WET M3/M	DRY M3	WET M3
SINGLE	9.50	.032			
DOUBLE	19.00	.064			
TRIPLE (STAND)	28.50	.096			
DRILL COLLAR					
SINGLE	8.73	.123			
DOUBLE	17.46	.246			
TRIPLE (STAND)	26.19	.368			

TO CONVERT M3 DISPLACEMENT FROM TRIP TANK TO CM

DISPLACEMENT FROM SAME TANK = TOTAL DISPLACEMENT OF STRING — $M_3/M = \text{CM}$

VOLUME OF TRIP TANK M3/100

REASON FOR TRIP:

DRILLER:

OPERATORS REPRESENTATIVE:

HOLE FILLING DATE

WELL NAME: SULPETRO TROUT LAKE CONTRACTOR: Baltic Drilling (1979) Ltd.

DATE & TIME: 8/3/26/1400 DEPTH: 955 M RIG #: 12

DRILL PIPE SIZE: 114 MM 24.7 KG/M DISPLACEMENT 0.034 M3/M

DRILL COLLAR LENGTH: 179 mm O.D. 165 mm ID: 73 mm DISPLACEMENT: 0.141 M3/M

TOTAL DISPLACEMENT: Theoretical: 4.808 M3 Actual: 4.910 M3

NOTE: IT TAKES APPROX. 3 TIMES AS MUCH MUD FOR A WET TRIP OR D.S.T.

AVERAGE LENGTH OF STAND _____ M

ALL ENTRIES MUST BE ACCUMULATED.

[illegible]

DRILL PIPE	AVERAGE LENGTH m.	DISPLACEMENT			
		DRY M3/M	WET M3/M	DRY M3	WET M3
SINGLE	9.50	10.32			
DOUBLE	19.00	10.64			
TRIPLE (STAND)	28.50	10.96			
DRILL COLLAR					
SINGLE	8.73	12.3			
DOUBLE	17.46	24.6			
TRIPLE (STAND)	26.19	36.9			

TO CONVERT M3 DISPLACEMENT FROM TRIP TANK TO CM

DISPLACEMENT FROM SAME TANK = TOTAL DISPLACEMENT OF STRING — $M_3/M = CM$

VOLUME OF TRIP TANK M3/100

REASON FOR TRIP:

DRILLER

OPERATORS REPRESENTATIVE

HOLE FILLING DATE

WELL NAME: Sulpro Trout Lake CONTRACTOR: Baltic Drilling (1979) Ltd.

DATE & TIME: Jan 21/81 0600 DEPTH: 558 M RIG #: 12

DRILL PIPE SIZE: 114 MM 24.7 KG/M DISPLACEMENT 10034 M3/M

DRILL COLLAR LENGTH: 9.30 m O.D. 162 MM ID: 73 MM DISPLACEMENT: _____ M3/M

TOTAL DISPLACEMENT: Theoretical _____ M3 Actual _____ M3

NOTE: IT TAKES APPROX. 3 TIMES AS MUCH MUD FOR A WET TRIP OR D.S.T.

AVERAGE LENGTH OF STAND _____ M

ALL ENTRIES MUST BE ACCUMULATED.

[illegible]

DRILL PIPE	AVERAGE LENGTH m	DISPLACEMENT			
		DRY M3/M	WET M3/M	DRY M3	WET M3
SINGLE	9.30	1.032			
DOUBLE		1.696			
TRIPLE (STAND)	28.50				
DRILL COLLAR					
SINGLE	9.30		1.123		
DOUBLE					
TRIPLE (STAND)	28.19		3.63		

TO CONVERT M3 DISPLACEMENT FROM TRIP TANK TO CM

DISPLACEMENT FROM SAME TANK = TOTAL DISPLACEMENT OF STRING — $M3/M = CM$

VOLUME OF TRIP TANK M3/100

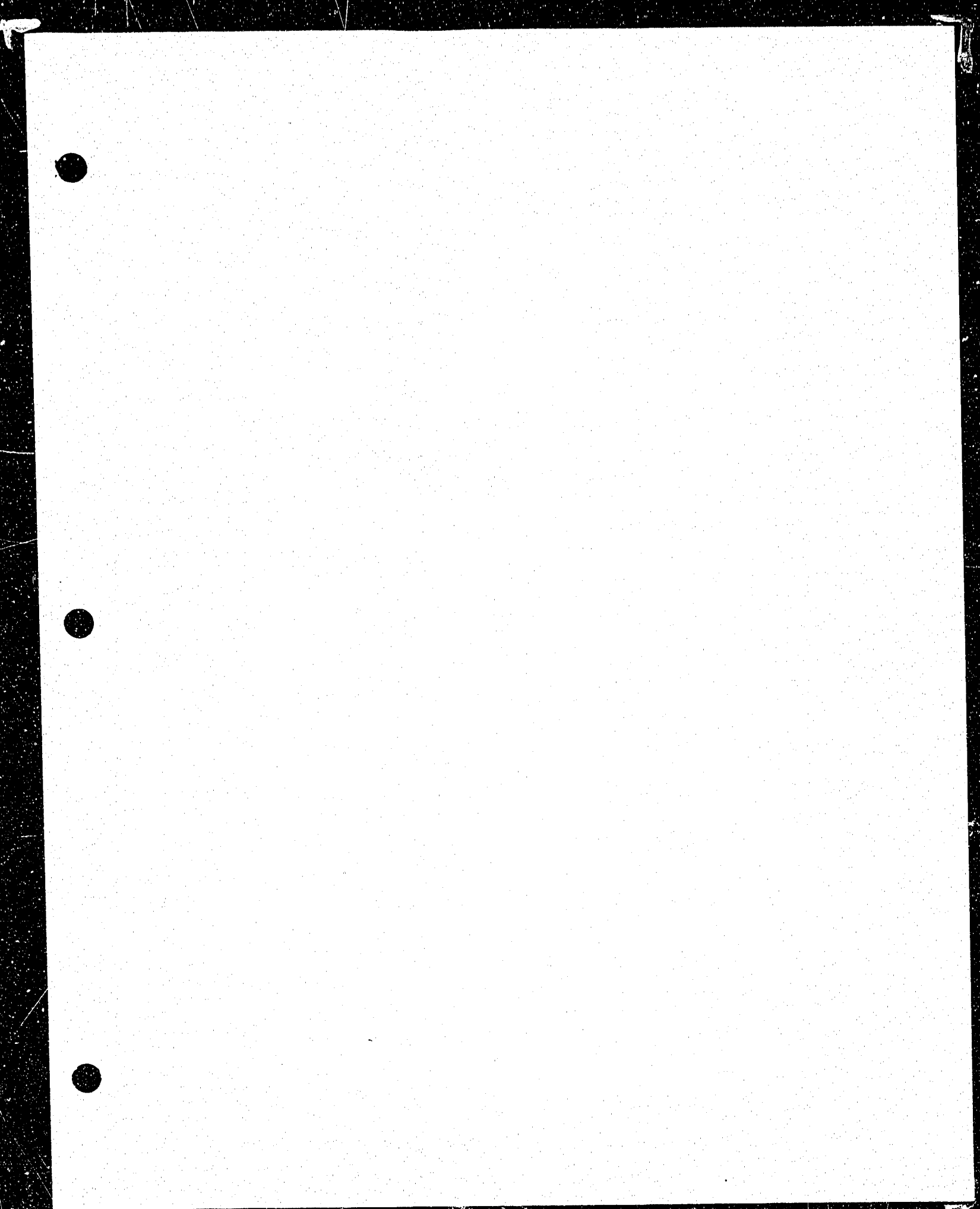
REASON FOR TRIP:

DRILLER

OPERATORS REPRESENTATIVE:

SULPETRO ET AL. TROUT LAKE

P-34





MCLEAY GEOLOGICAL CONSULTANTS LIMITED

#202, 7403 MACLEOD TRAIL S.
CALGARY, ALBERTA T2H 0L8
PHONE: 253-5008

March 9, 1981

Sulpetro Limited
3200 Bow Valley Sq. 3
255 - 5 Ave. S.W.
CALGARY, Alta.
T2P 3G6

Attention: Mr. Rob McWilliam

Dear Rob:

Re: Sulpetro et al. Trout Lake P-34

Enclosed please find Mr. Dave Robertson's report on the geological supervision of your Trout Lake P-34 well. The test T.D. in clastics below the Elk Point formation at 2126.8 m.

No problems were encountered on the test hole when drilling or logging.

DIL, CNL-FDC-GR, BHC-GR, HDT and MLL-ML logs were run, but no coring was done.

Three DST's were attempted on this hole. DST #1 over the interval 1925 - 1945 m (Slave Point) tested NGTS and recovered 1,583 m sulphorous salt water. DST #2, attempted in the Elk Point formation from 2015 - 2023 m, misran when the hole bridged off at 1985 m. DST #3 (1275 - 1280 m in the Jean Marie) revealed NGTS and recovered only 1 m of drilling fluid.

We trust you will find this report satisfactory for your requirements and look forward to being of continued service to you in the future.

Yours very truly,

Robert D. McLeay, P.Geol.

bf/encl.

GEOLOGICAL SUMMARY

Location: SULPETRO ET AL. TROUT LAKE P-34

Spud: 1030 hrs., January 15, 1981

R.R.: _____

K.B.: 535.5 m (est.)

T.D.: 2126.8 m

G.L.: 530.0 m

<u>FORMATION</u>	<u>PROGNOSIS</u>	<u>SAMPLE DEPTH</u>	<u>LOG DEPTH</u>	<u>ELEVATION</u>
Banff	435.0 m	425.0 m		
Exshaw	799.0	750.0		
Kotcho	832.0	780.0		
Tetcho	1003.0	980.0		
Utahn	1315.0	1275.0		
Fort Simpson	1331.0	1295.0		
Slave Point	1848.0	1833.0		
Dol Porosity	1928.0	1925.0		
Watt Mtn.	1948.0	1955.0		
Keg River	1968.0	1975.0?		
Elk Point	2033.0	2025.0?		
Clastics	2168.0	2075.0?		
T.D.		2126.8		

Total cored interval: N/C/C

Total core recovered: _____

Average core recovery: _____

Remarks: _____

SUMMARY OF WELL DATA

GENERAL

Name of Company SULPETRO LIMITED

Name of Well SULPETRO ET AL. TROUT LAKE P-34
 Location P-34 Co-Ord. Lat 60° 23' 52" N;
Long 121° 05' 55" W

Elevation: Grd. 530.0 m Elevation: K.B. 535.0 m

Spudded 1030 hrs., January 15, 1981 Completed Drilling

Drilling Contractor Baltic Drilling Ltd. Rig #12 Geologist Dave Robertson
2126.8 m (Driller)

Total Depth 2124.5 m (Logger) Plugged Back to

Hole Size 311 mm surf. to 558 m mm m to m
200 mm 558 m to T.D. mm m to m

CASING RECORD

Size mm	Weight kg/m	Make	Type	Grade	Shoe at	Cement tonnes	Amount Used	New or Used
339.7	71.43		8RD	H-40	158.82m	20 +2%Ca1		
219.0	35.72		"	J-55	558.85	40 +2%Ca1		

LOG RECORD

Company	Type	Interval
	DIL-CNL-FDC-GR	
	BHC-GR-HDT	
	MLL-ML	

DEVIATION SURVEYS

Depth m	Degrees Incl.	Instrument	Depth m	Degrees Incl.	Instrument
See next sheet	°			°	

SULPETRO ET AL. TROUT LAKE P-34

Deviation Record

<u>Depth</u>	<u>Deviation</u>	<u>Depth</u>	<u>Deviation</u>
36 m	$\frac{1}{8}^{\circ}$	1687 m	2°
65	$\frac{3}{4}$	1734	$1\frac{7}{8}$
93	$\frac{1}{2}$	1791	1
131	$\frac{1}{2}$	1834	1
158	$\frac{3}{4}$	1896	1
200	$\frac{7}{8}$	2000	1
230	$\frac{7}{8}$		
267	$\frac{1}{4}$		
305	0		
335	$\frac{1}{8}$		
376	$\frac{1}{8}$		
420	0		
459	0		
497	$\frac{1}{8}$		
515	0		
550	$\frac{1}{8}$		
651	$\frac{7}{8}$		
867	$\frac{1}{2}$		
1130	$\frac{3}{4}$		
1286	$2\frac{1}{2}$		
1315	2		
1380	2		
1390	2		
1415	2		
1467	$1\frac{1}{2}$		
1506	1		
1600	$1\frac{1}{8}$		
1639	2		

SAMPLE RECORD

Name of Well SULPETRO ET AL. TROUT LAKE P-34

SAMPLE INTERVAL		LITH. %	DESCRIPTION
From	To		
160 m	210 m	100	Sh: m-dk gy, blk, v slty, mic mica, calc, occ inoc, occ calc frac filling.
210	260	100	Ss: lt gy, qtzs, v f-f gr, w srt, w rd, calc mtx, abnt glau spks, occ clr qtz pbl, tt, occ sh ptg a/a.
260	280	60/40	Sltst: lt gy, qtzs, calc, occ sdy, tr wht cht; sh, m-dk gy, sb fis, mic mica.
280	310	100	Sh: dk gy, sb fis, mic mica, calc; also m gy, blk, slty, tr inoc; occ sltst intbd a/a.
310	320	50/50	Sh a/a; sltst, lt gy, qyzs, calc, occ sdy.
320	340	70/30	Sh a/a; sltst a/a.
340	425	100	Sh: dk gy, fis-sb fis, mic mica, carb, abnt pyr; occ sltst intbds, lt gy.
BANFF 425	425	100	Ls: lt gy, micxl-v f gr, slty, arg in pt, tr pyr, occ wht enh calc xl, tt, abnt crins, also occ frag-fos frag.
460	470	60/40	Sltst: lt-m gy, calc; ls: lt gy, micxl-v f xl, slty, tt.
470	500	100	Sh: m-lt gy, blk, occ v calc grd g mrlst, occ slty, occ crin & fos frag.
500	505	60/40	Sh a/a; ls: lt gy, v f gr, slty, tt, grd g sltst.

SAMPLE RECORD

Name of Well _____ SULPETRO ET AL. TROUT LAKE P-34

SAMPLE INTERVAL		LITH. %	DESCRIPTION
From	To		
505 m	530 m	50/30/ 20	Ls: lt gy, v f-f gr, occ frag, slty, tt, tr wh cht; sltst: brn, bf, calc, qtzs; sh a/a; tr pyr.
530	540	50/30/ 20	Sh: lt gy, blk-y-sb fis, calc, slty; ls a/a; sltst: lt gy, calc, qtzs.
540	750	100	Sh: m-dk gy, sb fis, mic mica, occ carb, occ crin, occ blk-y brn sh; also m gy, blk-y, slty, calc; occ calc frac filling; occ lt gy, micxl ls strg.
750	760	100	Sh: dk gy, fis-sb fis, carb, mic mica; also dk brn, blk-y, calc-strgrs dk brn ls.
760	770	100	Sh: m-dk gy, sb fis, mic mica, calc; occ strgs dk brn, arg, micxl ls.
770	780	100	Sh: m-dk gy, sb fis, mic mica, calc, tr pyr.
KOTCHO 780	780	50/50	Sh a/a; ls, bf, brn, lt gy, micxl cln, tt, occ crin.
785	810	70/30	Sh a/a; ls a/a.
810	815	90/10	Sh a/a; ls a/a.
815	830	60/40	Sh: m-gk gy, sb fis, mic mica, calc; ls: lt gy, bf, micxl, occ frag-fos frag, cln, tt, tr pyr, occ crin.

SAMPLE RECORD

Name of Well SULPETRO ET AL. TROUT LAKE P-34

SAMPLE INTERVAL		LITH. %	DESCRIPTION
From	To		
830 m	840 m	50/50.	Sh a/a; ls a/a.
840	845	40/40/ 20	Sh a/a; sltst: m brn, calc; ls a/a.
845	870	80/20	Sh a/a; ls a/a.
870	890	60/40	Sh a/a; ls: lt gy, bf, micxl-cx, occ slty, tt.
890	900	80/20	Sh a/a; ls a/a.
900	910	90/10	Sh a/a; ls a/a.
910	955	100	Sh a/a.
955	980	60/40	Sh a/a; ls: bf, lt brn, micxl-cx, pyr, cln, tt.
TETCHO 980 980	985	40/30/ 30	Sh a/a; sltst: brn, arg, calc grdg sh, brn, blkky; ls a/a.
985	990	80/20	Ls: lt gy, bf, brn, micxl, cln, tt; sh: m gy, brn, sb fis, calc.
990	1000	100	Ls a/a.
1000	1030	100	Ls: lt gy, bf, micxl, frag, tt, tr pyr.

SAMPLE RECORD

Name of Well SULPETRO ET AL. TROUT LAKE P-34

SAMPLE INTERVAL		LITH. %	DESCRIPTION
From	To		
1030 m	1045 m	60/40	Sh: m-dk gy, dk brn, sb fis, mic mica, calc; ls a/a.
1045	1065	80/20	Sh a/a; ls a/a.
1065	1090	50/50	Sh a/a; ls: m-lt gy, micxl-v f xl, slty, occ arg.
1090	1105	70/30	Sh a/a; ls a/a.
1105	1135	60/40	Sh: m-dk gy, sb fis, mic mica, calc; ls: lt gy, bf, micxl-v f xl, slty, tr.
1135	1150	50/50	Sh a/a; ls a/a.
1150	1170	70/30	Ls: bf, m brn, micxl, cln, hd, tt, tr pyr; also lt gy, micxl, slty, occ wh calc xl; sh: m gy, sb fis, mic mica, occ intbds m gy sltst, v calc.
1170	1200	70/30	Sh a/a; also brn, blk, calc; ls a/a.
1200	1230	80/20	Sh a/a; also brn, sb fis-blky, slty in pt; ls a/a.
1230	1260	80/20	Sh: dk gy, sb fis, mic mica, calc, occ brn, slty, blk, calc; ls: m-lt gy, micxl, slty, pyr; also bf, micxl-cx, cln, hd, dol.
1260	1270	60/40	Sh a/a; ls: lt gy, bf, micxl, frag, occ arg, tt.

SAMPLE RECORD

Name of Well SULPETRO ET AL. TROUT LAKE P-34

	SAMPLE INTERVAL		LITH. %	DESCRIPTION
	From	To		
UTAHN 1275	1270 m	1280 m	60/40	Ls: lt gy, micxl, slty, pyr, tt; also brn, bf, cx, hd, tt; sh a/a.
	1280	1290	80/20	Ls: lt gy, bf, brn, micxl, slty, pyr, frag, suc tex, cln, hd, tt, occ wh calc xl; sh: m gy, brn, blk, slty, calc.
	1290	1295	50/50	Ls a/a, tr pyr; sh a/a.
FORT SIMPSON 1295	1295	1310	90/10	Sh: m-dk gy, sb fis, mic mica; ls, gy, bf, micxl, slty, pyr.
	1310	1400	100	Sh: m-dk gy, fis-sb fis, mic mica, occ red gn, fis; occ m gy, arg sltst intbd, tr pyr; occ lt gy, micxl ls intbd.
	1400	1410	40/40/ 20	Sh a/a; sltst: lt gy, mot, qtzs, calc mtx, hd, tt; ss: lt gy, v f gr, calc mtx, sb rd, w srl, tt.
	1410	1430	60/40	Sltst: lt gy, bf, tr gn, calc, qtzs; sh: m-dk gy, fis; tr ls: micxl, v slty.
	1430	1435	80/20	Sltst a/a; sh a/a.
	1435	1480	60/40	Sh a/a; sltst a/a.
	1480	1500	60/40	Sh: m-dk gy, dk brn, fis, mic mica, occ slty; sltst: lt-m gy, qtzs, calc, arg in pt, occ brac fos.

SAMPLE RECORD

Name of Well _____ SULPETRO ET AL. TROUT LAKE P-34

SAMPLE INTERVAL		LITH. %	DESCRIPTION
From	To		
1500 m	1560 m	80/20	Sh a/a; sltst a/a; tr ls: lt gy, micxl, v slty.
1560	1780	100	Sh: m gy, fis-sb fis, mic mica, also wxy tex; tr sltst a/a.
1780	1800	100	Sh: m gy, fis-sb fis, mic mica in pt, slty in pt, occ dk brn, blk, slty.
1800	1805	100	Sh a/a, also dk gy-blk, carb, mic mica.
1820	1830	100	Sh: blk, carb, mic mica, blk.
1830	1845	80/20	Ls: lt gy, micxl-frag, m-choc brn, cx, m-dk gy, micxl, arg, grdg mrlst, tt; sh: blk, blk, calc.
1845	1855	100	Ls: lt-m gy, micxl, frag, occ arg, slty, bf-brn, micxl-cx, tr dk gy cht, tr pyr, occ gn, fis sh ptgs.
1855	1875	100	Ls: lt-m gy, micxl, occ wh, xl (calc xls); also bf, brn, micxl-cx, vit lustre, dol, hd.
1875	1885	100	Ls: lt gy, bf, cx, occ chky, cln, hd, tt.
1885	1925	100	Ls: wht, chky, micxl, cln, tt; also bf, cx, cln, hd, tt, occ dol in pt; occ dk brn, gy, blk sh ptg.
1925	1940	100	Ls: bf, micxl-cx, cln, tt, occ wh anhed dol xls (vug fillings), prob vuggy ϕ in pt.
1940	1950	100	Ls: bf, micxl, chky, cln, tt, abnt wh anhed calc & dol xls.

SLAVE POINT
1833

DOL POROSITY
1925

SAMPLE RECORD

Name of Well _____ SULPETRO ET AL. TROUT LAKE P-34

SAMPLE INTERVAL		LITH. %	DESCRIPTION
From	To		
1950 m	1955 m	50/50	Ls a/a; dol: wh, anhedxls; also bf, micxl-cx, tt, abnt filled vugs.
1955	1960	100	Dol a/a; abnt dk brn, dk gy, blk sh ptgs.
1960	1975		Lost circulation - no sample.
1975	1990	100	Dol: lt-m gy, bf, micxl-m xl, abnt wht, clr dol xls, occ sl intxl ϕ , qtzs, slty in pt, abnt dk gy gn, sb fis sh ptgs.
1990	2000	100	Dol: lt gy, micxl, sl slty, tt, occ m gy, gn, sb fis sh ptgs.
2000	2010	100	Dol: lt-m gy, mot, calc in pt, arg, occ wht dol xls, tt, occ sh ptgs.
2010	2020		Lost circulation - no sample.
2020	2025	100	Dol a/a (poor sample).
2025	2030		No sample.
2030	2060	100	Dol: m-dk brn, m gy, micxl-f xl, occ sl intxl ϕ , occ vuggy ϕ but vugs usually filled w/wh dol xls, occ coral frag; abnt slty qtzs, micxl dol: sh ptgs: dk gy, gn, mica.
2060	2070	80/20	Dol: lt gy, bf, micxl sil, tt; sh: choc brn, fis.
2070	2100	100	Qtzt: wh, clr, hd, cht, arg, se 3r, tt, tr pyr.
2100	2126	70/30	Qtzt a/a; sh: m gy, blk, mic mica, sil, hd.

T.D.

DRILL STEM TEST REPORT

Well <u>SULPETRO ET AL. TROUT LAKE P-34</u>		Date _____
Test No. _____	Company _____	Interval <u>1925 - 1945 m</u>
Formation <u>Slave Point - Dolomite Porosity</u>		Type of Test _____
Choke Size _____		Hole Size (Nominal/Caliper) _____
Water Cushion _____		Weight to Pull Packers Loose _____
Drill Collars Length _____ (m) I.D. _____ (mm)		Drill Pipe Length _____ (m) I.D. _____ (mm)

TIME AND PRESSURES		RECOVERY	CLOSED CHAMBER DATA	
Time and Date Tool Opened		Type of Blow on PF SAB - NGTS	Time	Pressure kPa
PF	5 Min, 5,100 kPa	Gas to Surface NGTS		
ISI	60 Min, 17,517 kPa	Type of Blow on VO SAB. GTS in 90 mins. TSTM. Dead	in 100 mins.	
IF	Min, 5,804 kPa	Measured Flow Rate		
FF	120 Min, 17,167 kPa	Fluid Recovered		
FSI	120 Min, 17,517 kPa	1,583 m sulphorous SW (146,000 ppm Cl).		
IH/FH	19,617 / 19,617 kPa			
BHT	108 °C	Samples		
		Quantity _____		
		Shipped to _____		

Report from _____ Taken by _____

DRILL STEM TEST REPORT

Well SULPETRO ET AL. TROUT LAKE P-34		Date
Test No. 3	Company	Interval 1,275 - 1,280 m
Formation Jean Marie		Type of Test
Choke Size		Hole Size (Nominal/Caliper)
Water Cushion		Weight to Pu'l Packers Loose
Drill Collars Length (m) I.D. (mm)		Drill Pipe Length (m) I.D. (mm)

TIME AND PRESSURES				RECOVERY		CLOSED CHAMBER DATA	
Time and Date Tool Opened				Type of Blow on PF WAB dead in 3 mins.		Time	Pressure kPa
PF	10	Min,	322 kPa	Gas to Surface NGTS			
ISI	60	Min,	161 kPa	Type of Blow on VO Dead			
IF		Min,	322 kPa	Measured Flow Rate Nil			
FF	120	Min,	322 kPa	Fluid Recovered 1 m drlg fluid			
FSI	120	Min,	161 kPa				
IH/FH	13,119	/	13,119 kPa				
BHT	61.6°C					Samples	
				Quantity _____			
				Shipped to _____			

DST #2: 2015 - 2023 m (Elk Point) - Misrun - hole bridged off at 1985 m.

Report from _____ Taken by _____

SULPETRO LIMITED
DAILY DRILLING REPORT

REPORT FROM:Chris. Rodwell.....
TAKEN BY:John. Evans..... DATE:February 25, 1981.....

- SULPETRO ET AL
1. WELL NAMETROUT LAKE P-34..... RIG No.Baltic No. 12.....
2. DEPTH AT 8 A.M.FTD 2126m..... EST. TD PROGRESS
3. HOURS ON BOTTOM PBD 506m HOURS TRIPPING 1/2.....
4. BIT No. SIZE AND TYPE JET SIZES:
a. REAM.....FROM.....TO.....HRS.....RPM.....WGHT.....daN
b. DRILL.....FROM.....TO.....HRS.....RPM.....WGHT.....daN
c. CORE.....FROM.....TO.....HRS.....RPM.....WGHT.....daN
5. BIT No. SIZE AND TYPE JET SIZES:
a. REAM... ..FROM.....TO.....HRS.....RPM.....WGHT.....daN
b. DRILL.....FROM.....TO.....HRS.....RPM.....WGHT.....daN
c. CORE.....FROM.....TO.....HRS.....RPM.....WGHT.....daN
6. BIT No. SIZE AND TYPE JET SIZES:
a. REAM.....FROM.....TO.....HRS.....RPM.....WGHT.....daN
b. DRILL.....FROM.....TO.....HRS.....RPM.....WGHT.....daN
c. CORE.....FROM.....TO.....HRS.....RPM.....WGHT.....daN
7. SP.M x DIAXLENGTHPUMP PRESSURE kPa
8. ANNULAR VELOCITY: DRILL COLLARSm³/min DRILL PIPEm³/min.
9. MUD VIS. WGHT W.L. pH
10. GENERAL COMMENTS: Csg Reports, Cores, DST etc

8 A.M. STATUS: Rig Release: 0800 hours, February 25, 1981
Dry and Abandoned.

Times:

Ran Plug No. 2,
Wait on cement
Lay down drill pipe
Rig down
Cut off bowl and
weld on plate

1/2 hr.
6 hrs.
5 hrs.
8 hrs.
4 hrs.

Plug No. 2: 508-625.. Density 1891
Kg/m³. 10.9m³ slurry
volume. Plug down
0830 hours, Feb. 24.
Tag plug with 1000 daN
at 506m.

cc: Oakwood (2)

11. MUD ADDITIVES	

12. SURVEYS	
DEPTH	DEG

13. COSTS	
Daily Mud	\$ Nil
Cum. Mud	\$ 25,716.00
Daily Well	\$ 53,349.00
Cum. Well	\$ 1,073,519.00



SULPETRO LIMITED

DAILY DRILLING REPORT

REPORT FROM: Chris Rodwell
TAKEN BY: John Evans DATE: February 24, 1981

SULPETRO ET AL

TRCUT LAKE P-34

Baltic no. 12

1. WELL NAME RIG No.
2. DEPTH AT 8 A.M. 1719m. PBTD EST. TD PROGRESS
3. HOURS ON BOTTOM HOURS TRIPPING 3-1/4
4. BIT No. SIZE AND TYPE JET SIZES:
- a. REAM FROM TO HRS RPM WGHT daN
- b. DRILL FROM TO HRS RPM WGHT daN
- c. CORE FROM TO HRS RPM WGHT daN
5. BIT No. SIZE AND TYPE JET SIZES:
- a. REAM FROM TO HRS RPM WGHT daN
- b. DRILL FROM TO HRS RPM WGHT daN
- c. CORE FROM TO HRS RPM WGHT daN
6. BIT No. SIZE AND TYPE JET SIZES:
- a. REAM FROM TO HRS RPM WGHT daN
- b. DRILL FROM TO HRS RPM WGHT daN
- c. CORE FROM TO HRS RPM WGHT daN
7. SP.M x DIA XLENGTH PUMP PRESSURE kPa
8. ANNULAR VELOCITY: DRILL COLLARS m³/min DRILL PIPE m³/min.
9. MUD VIS. Water WGHT W.L. pH
10. GENERAL COMMENTS: Csg Reports, Cores, DST etc
- 8 A.M. STATUS: Running Plug No. 2.

Times:

Rig Service	1/4 hr.
Wait on cement	6 hrs.
Circulate	2-3/4 hrs.
Run plug	2-1/2 hrs.
Lay down drill pipe	5-1/2 hrs.
Dump tanks	2 hrs.
Displace	1-3/4 hrs.

(Over)

11. MUD ADDITIVES	

12. SURVEYS	
DEPTH	DEG

13. COSTS	
Daily Mud	\$ Nil
Cum. Mud	\$ 25,716.00
Daily Well	\$ 11,336.00
Cum. Well	\$ 1,020,170.00

SULPETRO ET AL
TROUT LAKE P-34

Plug No. 1: Stage No. 2: Slurry Density 1890 Kg/m³.
 Slurry volume 11.77m³. Plug down 1030 hours,
 February 23, 1981. Tag with 2000 DaN at 1719m
 at 2300 hours February 23, 1981.

cc: Oakwood (2)



SULPETRO LIMITED

DAILY DRILLING REPORT

REPORT FROM:Chris Rodwell.....

TAKEN BY:John Evans..... DATE:February 23, 1981.....

SULPETRO ET AL

1. WELL NAMETROUT LAKE P-34..... RIG No.Baltic No..12.....

2. DEPTH AT 8 A.M.2126m FTD..... EST. TD PROGRESSNil.....

3. HOURS ON BOTTOM HOURS TRIPPING8.....

4. BIT No. SIZE AND TYPE JET SIZES:

a. REAM.....FROM.....TO.....HRS.....RPM.....WGHT.....daN

b. DRILL.....FROM.....TO.....HRS.....RPM.....WGHT.....daN

c. CORE.....FROM.....TO.....HRS.....RPM.....WGHT.....daN

5. BIT No. SIZE AND TYPE JET SIZES:

a. REAM.....FROM.....TO.....HRS.....RPM.....WGHT.....daN

b. DRILL.....FROM.....TO.....HRS.....RPM.....WGHT.....daN

c. CORE.....FROM.....TO.....HRS.....RPM.....WGHT.....daN

6. BIT No. SIZE AND TYPE JET SIZES:

a. REAM.....FROM.....TO.....HRS.....RPM.....WGHT.....daN

b. DRILL.....FROM.....TO.....HRS.....RPM.....WGHT.....daN

c. CORE.....FROM.....TO.....HRS.....RPM.....WGHT.....daN

7. SP.Mx DIAXLENGTHPUMP PRESSUREkPa

8. ANNULAR VELOCITY: DRILL COLLARSm³/min DRILL PIPEm³/min.

9. MUD VIS.150 WGHT1080 W.L. pH

10. GENERAL COMMENTS: Csg Reports, Cores, DST etc

8 A.M. STATUS:

Circulate prior to placing Stage two - Plug 1.

Times:

Wait on orders

1 hr.

Rig service and BOP check

1/4 hr.

Lay down drill collar

2-1/4 hrs.

Circulate

11-1/2 hrs.

Plug No. 1: 2126-1887 Stage No. 1. Slurry ^{9.0}3.24m³ volume.
Remainder of plug details to follow.

cc: Oakwood (2)

11. MUD ADDITIVES

Bicarb	6 sxs.

12. SURVEYS

DEPTH	DEG

13. COSTS

Daily Mud	\$ 270.00
Cum. Mud	\$ 25,716.00
Daily Well	\$ 33,329.00
Cum. Well	\$ 1,008,834.00



SULPETRO LIMITED

DAILY DRILLING REPORT

REPORT FROM: Chris Rodwell
TAKEN BY: John Evans DATE: February 22, 1981

SULPETRO ET AL

1. WELL NAME TROUT LAKE P-34 RIG No. Baltic No. 12
2. DEPTH AT 8 A.M. 2126m FTD EST. TD PROGRESS Nil
3. HOURS ON BOTTOM HOURS TRIPPING 11-1/2
4. BIT No. SIZE AND TYPE JET SIZES:
- a. REAM FROM TO HRS RPM WGHT daN
- b. DRILL FROM TO HRS RPM WGHT daN
- c. CORE FROM TO HRS RPM WGHT daN
5. BIT No. SIZE AND TYPE JET SIZES:
- a. REAM FROM TO HRS RPM WGHT daN
- b. DRILL FROM TO HRS RPM WGHT daN
- c. CORE FROM TO HRS RPM WGHT daN
6. BIT No. SIZE AND TYPE JET SIZES:
- a. REAM FROM TO HRS RPM WGHT daN
- b. DRILL FROM TO HRS RPM WGHT daN
- c. CORE FROM TO HRS RPM WGHT daN
7. SP.M x DIA XLENGTH PUMP PRESSURE kPa
8. ANNULAR VELOCITY: DRILL COLLARS m³/min DRILL PIPE m³/min.
9. MUD VIS. WGHT W.L. pH

10. GENERAL COMMENTS: Csg Reports, Cores, DST etc

8 A.M. STATUS: Lay down testing tools. (DST No. 3).

Times:

Rig Service and BOP check

1/2 hr.

Make up and lay down
test tools

4-3/4 hrs.

Circulate

1 hr.

Testing

6-1/4 hrs.

(Over)

11. MUD ADDITIVES

Gel	30 sxs.
CMC	1 sx.

12. SURVEYS

DEPTH	DEG

13. COSTS

Daily Mud	\$ 588.00
Cum. Mud	\$ 26,034.00
Daily Well	\$ 10,722.00
Cum. Well	\$ 975,505.00

SULPETRO ET AL TROUT LAKE P-34

DST No. 3: 1275-1280 (Jean Marie)
10/60/120/120
PF - Weak air blow. Dead in 3 minutes.
VO - Dead.
Recovery: 1m drilling fluid.

IHP 13,119	PF 322	ISIP 161	IFP 322
FHP 13,119	BHT 61.6°C.	FSIP 161	FFP 322

cc: Oakwood (2)



SULPETRO LIMITED

DAILY DRILLING REPORT

REPORT FROM: Chris Rodwell
TAKEN BY: Kevin McGuire DATE: February 21, 1981

SULPETRO ET AL

1. WELL NAME TROUT LAKE P-34 RIG No. Baltic No. 12
2. DEPTH AT 8 A.M. 2126m F.T.D. EST. TD PROGRESS Nil
3. HOURS ON BOTTOM HOURS TRIPPING
4. BIT No. 8 SIZE AND TYPE 200mm J-3 JET SIZES: None
a. REAM. 177 FROM 1949 TO 2126 HRS 12 RPM 56 WGHT 12,000 daN
b. DRILL FROM TO HRS RPM WGHT daN
c. CORE FROM TO HRS RPM WGHT daN
5. BIT No. SIZE AND TYPE JET SIZES:
a. REAM FROM TO HRS RPM WGHT daN
b. DRILL FROM TO HRS RPM WGHT daN
c. CORE FROM TO HRS RPM WGHT daN
6. BIT No. SIZE AND TYPE JET SIZES:
a. REAM FROM TO HRS RPM WGHT daN
b. DRILL FROM TO HRS RPM WGHT daN
c. CORE FROM TO HRS RPM WGHT daN
7. SP.M 45 x DIA 140 X LENGTH 356 PUMP PRESSURE 3000 kPa
8. ANNULAR VELOCITY: DRILL COLLARS 39 m³/min DRILL PIPE 81 m³/min
9. MUD V/S. 100 WGHT 1050 W.L. 8 pH 10
10. GENERAL COMMENTS: Csg Reports, Cores, DST etc

8 A.M. STATUS: Circulate and pull pipe for DST No. 3.

Times:

Slip and cut line 1-1/2 hrs.
Run in hole 6-1/4 hrs.
Thaw Kelly 2-1/2 hrs.
Circulate 1-1/2 hrs.
Ream 12 hrs.

Hole bridge at 1949m K.B.

cc: Oakwood (2)

11. MUD ADDITIVES	
Gel	70 sxs
CMC	3 sxs
Caustic	3 sxs
Fine Mica	3 sxs

12. SURVEYS	
DEPTH	DEG

13. COSTS	
Daily Mud	\$ 1,702.00
Cum. Mud	\$ 25,446.00
Daily Well	\$ 18,836.00
Cum. Well	\$ 964,783.00



SULPETRO LIMITED

DAILY DRILLING REPORT

REPORT FROM: ...Chris Rodwell.....

TAKEN BY:John Evans..... DATE:February 20, 1981.....

SULPETRO ET AL

1. WELL NAMETROUT LAKE P-34..... RIG No.Baltic No. 12.....

2. DEPTH AT 8 A.M. ...2126m FTD..... EST. TD PROGRESS

3. HOURS ON BOTTOM HOURS TRIPPING15-3/4.....

4. BIT No. SIZE AND TYPE JET SIZES:

a. REAM FROM TO HRS RPM WGHT daN

b. DRILL FROM TO HRS RPM WGHT daN

c. CORE FROM TO HRS RPM WGHT daN

5. BIT No. SIZE AND TYPE JET SIZES:

a. REAM FROM TO HRS RPM WGHT daN

b. DRILL FROM TO HRS RPM WGHT daN

c. CORE FROM TO HRS RPM WGHT daN

6. BIT No. SIZE AND TYPE JET SIZES:

a. REAM FROM TO HRS RPM WGHT daN

b. DRILL FROM TO HRS RPM WGHT daN

c. CORE FROM TO HRS RPM WGHT daN

7. SP.M x DIA XLENGTH PUMP PRESSURE kPa

8. ANNULAR VELOCITY: DRILL COLLARS m³/min DRILL PIPE m³/min.

9. MUD VIS. WGHT W.L. pH

10. GENERAL COMMENTS: Csg Reports, Cores, DST etc

8 A.M. STATUS: Making cleanout trip.

Times:

Rig Service

1/2 hr.

Handle test tools

8-1/4 hrs.

DST No. 2: 2015-2023 (Elk Point)

Misrun. Hole bridged off at 1985m.

cc: Oakwood (2)

11. MUD ADDITIVES

12. SURVEYS

DEPTH	DEG

13. COSTS

Daily Mud	\$ Nil
Cum. Mud	\$ 23,744.00
Daily Well	\$ 10,549.00
Cum. Well	\$ 952,947.00



SULPETRO LIMITED

DAILY DRILLING REPORT

REPORT FROM: Chris Radwell

TAKEN BY: John Evans DATE: February 19, 1981

SULPETRO ET AL

1. WELL NAME TROUT LAKE P-34 RIG No. Baltic No. 12

2. DEPTH AT 8 A.M. 2126m FTD EST. TD PROGRESS

3. HOURS ON BOTTOM HOURS TRIPPING

4. BIT No. SIZE AND TYPE JET SIZES:

a. REAM FROM TO HRS RPM WGHT daN

b. DRILL FROM TO HRS RPM WGHT daN

c. CORE FROM TO HRS RPM WGHT daN

5. BIT No. SIZE AND TYPE JET SIZES:

a. REAM FROM TO HRS RPM WGHT daN

b. DRILL FROM TO HRS RPM WGHT daN

c. CORE FROM TO HRS RPM WGHT daN

6. BIT No. SIZE AND TYPE JET SIZES:

a. REAM FROM TO HRS RPM WGHT daN

b. DRILL FROM TO HRS RPM WGHT daN

c. CORE FROM TO HRS RPM WGHT daN

7. SP.M x DIA XLENGTH PUMP PRESSURE kPa

8. ANNULAR VELOCITY: DRILL COLLARS m³/min DRILL PIPE m³/min.

9. MUD VIS. WGHT W.L. pH

10. GENERAL COMMENTS: Csg Reports, Cores, DST etc

8 A.M. STATUS: Rig to run DST No. 2.

Times:

Make up test and run
in hole

Rig up test

Testing

Pull out of hole

8-3/4 hrs.

3/4 hrs.

6 hrs.

8-1/2 hrs.

cc: Oakwood (2)

(Over)

11. MUD ADDITIVES

12. SURVEYS

DEPTH	DEG

13. COSTS

Daily Mud	\$ Nil
Cum. Mud	\$ 23,744.00
Daily Well	\$ 10,549.00
Cum. Well	\$ 942,398.00

SULPETRO ET AL
TROUT LAKE P-34

DST No. 1: 1925-1945 (Slave Point)

- Dolomite Porosity

5/60/120/120

PF - Strong air blow. NGTS.

VO - Strong air blow. GTS in 90 minutes - TSTM.
Dead in 100 minutes.

Recovery: 1583m sulphorous salt water (146,000 PPM Cl)

IHP 19,617	PF 5100	ISIP 17,517	IFP 5,804
FHP 19,617	BHT 108°C.	FSIP 17,517	FFP 17,167



SULPETRO LIMITED

DAILY DRILLING REPORT

REPORT FROM: Chris Rodwell
TAKEN BY: John Evans
DATE: February 18, 1981

SULPETRO ET AL

1. WELL NAME TROUT LAKE P-34 RIG No. Baltic No. 12
2. DEPTH AT 8 A.M. 2126 FTD EST. TD PROGRESS Nil
3. HOURS ON BOTTOM HOURS TRIPPING
4. BIT No. SIZE AND TYPE JET SIZES:
- a. REAM FROM TO HRS RPM WGHT daN
- b. DRILL FROM TO HRS RPM WGHT daN
- c. CORE FROM TO HRS RPM WGHT daN
5. BIT No. SIZE AND TYPE JET SIZES:
- a. REAM FROM TO HRS RPM WGHT daN
- b. DRILL FROM TO HRS RPM WGHT daN
- c. CORE FROM TO HRS RPM WGHT daN
6. BIT No. SIZE AND TYPE JET SIZES:
- a. REAM FROM TO HRS RPM WGHT daN
- b. DRILL FROM TO HRS RPM WGHT daN
- c. CORE FROM TO HRS RPM WGHT daN
7. SP.M x DIA XLENGTH PUMP PRESSURE kPa
8. ANNULAR VELOCITY: DRILL COLLARS m³/min DRILL PIPE m³/min.
9. MUD VIS. WGHT W.L. pH
10. GENERAL COMMENTS: Csg Reports, Cores, DST etc

8 A.M. STATUS:

Run in with DST No. 1

Times:

Logging 19 hrs.
Lay down drill collar 1 hr.
Make up DST and
run in 4 hrs.

Ran DILL, CNL-FDC, BHC-Sonic, ML-MLL and Dipmeter.

DST No. 1: 1925-1945 (Dolomite Porosity)

cc: Oakwood

11. MUD ADDITIVES	

12. SURVEYS	
DEPTH	DEG

13. COSTS	
Daily Mud	\$ Nil
Cum. Mud	\$ 23,744.00
Daily Well	\$ 74,924.00
Cum. Well	\$ 931,849.00



SULPETRO LIMITED

DAILY DRILLING REPORT

REPORT FROM: Chris Rodwell
TAKEN BY: John Evans DATE: February 17, 1981

SULPETRO ET AL

1. WELL NAME TRQIT LAKE, P-34 RIG No. Baltic No. 12
2. DEPTH AT 8 A.M. 2126 FTD EST. TD PROGRESS 1
3. HOURS ON BOTTOM 2-1/2 HOURS TRIPPING 5-1/2
4. BIT No. 7 SIZE AND TYPE 200mm J-44 JET SIZES: 1-8, 7, 1-9, 5, 1-10, 3.
a. REAM FROM TO HRS RPM WGHT daN
b. DRILL 1 FROM 2125 TO 2126 HRS 2-1/2 RPM 50 WGHT 14,000 daN
c. CORE 31 FROM 2095 TO 2126 HRS 20-1/2 RPM WGHT daN
5. BIT No. ^{CUM} SIZE AND TYPE JET SIZES:
a. REAM FROM TO HRS RPM WGHT daN
b. DRILL FROM TO HRS RPM WGHT daN
c. CORE FROM TO HRS RPM WGHT daN
6. BIT No. SIZE AND TYPE JET SIZES:
a. REAM FROM TO HRS RPM WGHT daN
b. DRILL FROM TO HRS RPM WGHT daN
c. CORE FROM TO HRS RPM WGHT daN
7. SP. M 49 x DIA 140 XLENGTH 356 PUMP PRESSURE 6800 kPa
8. ANNULAR VELOCITY: DRILL COLLARS 88 m³/min DRILL PIPE 42 m³/min.
9. MUD VIS. 90 WGHT 1070 W.L. 8.5 pH 10 550 RPM C1
10. GENERAL COMMENTS: Csg Reports, Cores, DST etc

8 A.M. STATUS: Logging.

Times:

Rig service and BOP check
Wait on loggers
Survey
Logging

1/2 hr.
7-1/4 hrs.
1/4 hr.
8 hrs.

cc: Oakwood (2)

11. MUD ADDITIVES	
Gel	70 SXS.

12. SURVEYS	
DEPTH	DEG
2125	7/8

13. COSTS	
Daily Mud	\$ 382.00
Cum. Mud	\$ 23,744.00
Daily Well	\$ 15,472.00
Cum. Well	\$ 866,925.00



SULPETRO LIMITED

DAILY DRILLING REPORT

REPORT FROM: Chris Rodwell

TAKEN BY: John Evans DATE: February 16, 1981

SULPETRO ET AL

1. WELL NAME TROUT LAKE P-34 RIG No. Baltic No. 12
2. DEPTH AT 8 A.M. 2125 EST. TD 2178 PROGRESS 22
3. HOURS ON BOTTOM 20-1/4 HOURS TRIPPING 1
4. BIT No. 7 SIZE AND TYPE 200mm J-44 JET SIZES: 1-8, 7, 1-9, 5, 1-10, 3.
- a. REAM FROM TO HRS RPM WGHT daN
- b. DRILL 22 FROM 2103 TO 2125 HRS 20-1/4 RPM 50 WGHT 14,000 daN
- c. CORE 30 FROM 2095 TO 2125 HRS 26 RPM WGHT daN
5. BIT No. SIZE AND TYPE JET SIZES:
- a. REAM FROM TO HRS RPM WGHT daN
- b. DRILL FROM TO HRS RPM WGHT daN
- c. CORE FROM TO HRS RPM WGHT daN
6. BIT No. SIZE AND TYPE JET SIZES:
- a. REAM FROM TO HRS RPM WGHT daN
- b. DRILL FROM TO HRS RPM WGHT daN
- c. CORE FROM TO HRS RPM WGHT daN
7. SP.M 42 x DIA 140 XLENGTH 356 PUMP PRESSURE 6800 kPa
8. ANNULAR VELOCITY: DRILL COLLARS 88 m³/min DRILL PIPE 42 m³/min.
9. MUD VIS. 100 WGHT 1060 W.L. 8.5 pH 10.5 550 PPM CL
10. GENERAL COMMENTS: Csg Reports, Cores, DST etc

8 A.M. STATUS: Drilling @ 1.1m/hour.

Times:

Rig Service 3/4 hrs.
Circulate 2 hrs.

cc: Oakwood (2)

11. MUD ADDITIVES	
Gel	65 sxs.
Caustic	3 sxs.

12. SURVEYS	
DEPTH	DEG

13. COSTS	
Daily Mud	\$ 910.00
Cum. Mud	\$ 22,862.00
Daily Well	\$ 11,905.00
Cum. Well	\$ 850,823.00



SULPETRO LIMITED

DAILY DRILLING REPORT

REPORT FROM: Chris Rodwell
TAKEN BY: Terry Sharp DATE: February 15, 1981

SULPETRO ET AL

1. WELL NAME TROUT LAKE P-34 RIG No. Baltic No. 12
2. DEPTH AT 8 A.M. 2103 EST. TD 2178 PROGRESS 8
3. HOURS ON BOTTOM 5-1/2 HOURS TRIPPING 9-3/4
4. BIT No. 6 SIZE AND TYPE 200mm J-33 JET SIZES: 2-8.7, 1-9.5mm
a. REAM FROM TO HRS RPM WGHT daN
b. DRILL FROM TO HRS RPM WGHT daN
c. CORE 261 FROM TO HRS 91-1/2 RPM WGHT daN
5. BIT No. CUM 7 SIZE AND TYPE 200mm J-44 H-W JET SIZES: 8-7, 9-7, 10-3
a. REAM 18 FROM 2077 TO 2095 HRS 8 RPM 60 WGHT 2000 daN
b. DRILL 8 FROM 2095 TO 2103 HRS 5-1/2 RPM 60 WGHT 12,000 daN
c. CORE FROM TO HRS RPM WGHT daN
6. BIT No. SIZE AND TYPE JET SIZES:
a. REAM FROM TO HRS RPM WGHT daN
b. DRILL FROM TO HRS RPM WGHT daN
c. CORE FROM TO HRS RPM WGHT daN
7. SP.M 48 x DIA 140 XLENGTH 356 PUMP PRESSURE 6900 kPa
8. ANNULAR VELOCITY: DRILL COLLARS 86.4 m³/min DRILL PIPE 41.7 m³/min.
9. MUD VIS. 150 WGHT 1080 W.L. 7.4 pH 9 Yield 24
PV 50
GS 15/27.5
Chl 550 PPM
10. GENERAL COMMENTS: Csg Reports, Cores, DST etc
8 A.M. STATUS: Drilling @ 2.5-3.0m/hour.

Times:

Ream 8 hrs.
Rig Service 1/2 hr.
Trip 9-3/4 hrs.
Drilling 5-1/2 hrs.
Slip and cut line 1/2 hr.

cc: Oakwood (2)

11. MUD ADDITIVES

Gel	55 sxs.
Caustic	1 sxs.
Fine Mica	2 sxs.
Drispac	2 sxs.

12. SURVEYS

DEPTH	DEG

13. COSTS

Daily Mud	\$ 1,245.00
Cum. Mud	\$ 21,962.00
Daily Well	\$ 12,285.00
Cum. Well	\$ 838,918.00



SULPETRO LIMITED

DAILY DRILLING REPORT

REPORT FROM: G. Rodwell

TAKEN BY: John Evans DATE: February 14, 1981

SULPETRO ET AL

1. WELL NAME TROUT LAKE P-34 RIG No. Baltic No. 12

2. DEPTH AT 8 A.M. 2095 EST. TD 2150 PROGRESS 37

3. HOURS ON BOTTOM 22-3/4 HOURS TRIPPING Nil

4. BIT No. 6 SIZE AND TYPE 200mm J-33 JET SIZES: 2-8.7, 1-9.2

a. REAM FROM TO HRS RPM WGHT daN

b. DRILL 37 FROM 2058 TO 2095 HRS 22-3/4 RPM 50 WGHT 14,000 daN

c. CORE FROM TO HRS RPM WGHT daN

5. BIT No. SIZE AND TYPE JET SIZES:

a. REAM FROM TO HRS RPM WGHT daN

b. DRILL FROM TO HRS RPM WGHT daN

c. CORE FROM TO HRS RPM WGHT daN

6. BIT No. SIZE AND TYPE JET SIZES:

a. REAM FROM TO HRS RPM WGHT daN

b. DRILL FROM TO HRS RPM WGHT daN

c. CORE FROM TO HRS RPM WGHT daN

7. SP.M 48 x DIA 140 XLENGTH 356 PUMP PRESSURE 7000 kPa

8. ANNULAR VELOCITY: DRILL COLLARS 86.4 m³/min DRILL PIPE 41.7 m³/min

9. MUD VIS. 100 WGHT 10.8 W.L. 7.9 pH Yield 24

10. GENERAL COMMENTS: Csg Reports, Cores, DST etc Gels 18/27.5

Chlorides 554 PPM

8 A.M. STATUS:

Pull out of hole for bit.

Times:

Drilling

22-3/4 hrs.

Rig Service

3/4 hrs.

Survey

6-1/2 hrs.

Note: No. NOA-377 expires 81/03/15

Territorial Business.

cc: Oakwood (2)

11. MUD ADDITIVES	
Gel	55 sxs.
CMC	2 sxs.
Peltex	1 sxs.
Caustic	5 sxs.
Driscopac	2 sxs.

12. SURVEYS	
DEPTH	DEG
2065	1

13. COSTS	
Daily Mud	\$ 1,792.00
Cum. Mud	\$ 20,717.00
Daily Well	\$ 12,112.00
Cum. Well	\$ 826,633.00



SULPETRO LIMITED

DAILY DRILLING REPORT

REPORT FROM: Chris. Rodwell.....

TAKEN BY: Janice Bagwell..... DATE: February 13, 1981.....

SULPETRO ET AL

1. WELL NAME TROUT LAKE P-34..... RIG No. Baltic No. 12.....

2. DEPTH AT 8 A.M. 2058..... EST. TD PROGRESS 75.....

3. HOURS ON BOTTOM 23-1/2..... HOURS TRIPPING

4. BIT No. 6..... SIZE AND TYPE 200mm J-33 H-W..... JET SIZES: .2-8.7, 1-9.2.....

a. REAM..... FROM..... TO..... HRS..... RPM..... WGHT..... daN

b. DRILL..... ^{TOTAL} 224..... FROM..... 1834..... TO..... 2058..... HRS..... 68-1/2..... RPM..... 50-60..... WGHT 14,000..... daN

c. CORE..... FROM..... TO..... HRS..... RPM..... WGHT..... daN

5. BIT No. SIZE AND TYPE JET SIZES:

a. REAM..... FROM..... TO..... HRS..... RPM..... WGHT..... daN

b. DRILL..... FROM..... TO..... HRS..... RPM..... WGHT..... daN

c. CORE..... FROM..... TO..... HRS..... RPM..... WGHT..... daN

6. BIT No. SIZE AND TYPE JET SIZES:

a. REAM..... FROM..... TO..... HRS..... RPM..... WGHT..... daN

b. DRILL..... FROM..... TO..... HRS..... RPM..... WGHT..... daN

c. CORE..... FROM..... TO..... HRS..... RPM..... WGHT..... daN

7. SP.M 48..... x DIA 140..... x LENGTH ... 356..... PUMP PRESSURE ... 7000..... kPa

8. ANNULAR VELOCITY: DRILL COLLARS 86.4..... m³/min DRILL PIPE 41.7..... m³/min.

9. MUD VIS. 61..... WGHT 1050..... W.L. 9.2..... pH 9.0.....

10. GENERAL COMMENTS: Csg Reports, Cores, DST etc

8 A.M. STATUS: Drilling.....

Times:

Rig Service

1/2 hr.

Yield

13

Gel

7.5/22

CaCl

650

Sand

.01

cc: Oakwood (2)

11. MUD ADDITIVES

Gel	116 sxs.
Wickseal	6 sxs.
Caustic	2 sxs.

12. SURVEYS

DEPTH	DEG

13. COSTS

Daily Mud	\$ 1,699.00
Cum. Mud	\$ 18,717.00
Daily Well	\$ 12,985.00
Cum. Well	\$ 814,521.00



SULPETRO LIMITED

DAILY DRILLING REPORT

REPORT FROM: Chris Rodwell
 TAKEN BY: John Evans DATE: February 12, 1981

SULPETRO ET AL

TROUT LAKE P-34

Baltic No. 12

1. WELL NAME RIG No.
2. DEPTH AT 8 A.M. 1983 EST. TD 2178 PROGRESS 18
3. HOURS ON BOTTOM 7-3/4 HOURS TRIPPING Nil
4. BIT No. 6 SIZE AND TYPE 200mm J-33 JET SIZES: ... 2-8, 7, 1-9.5
 a. REAM FROM TO HRS RPM WGHT daN
 b. DRILL FROM 1965 TO 1983 HRS 7-3/4 RPM ... 50 WGHT 8-10,000 daN
 c. CORE FROM TO HRS RPM WGHT daN
5. BIT No. SIZE AND TYPE JET SIZES:
 a. REAM FROM TO HRS RPM WGHT daN
 b. DRILL FROM TO HRS RPM WGHT daN
 c. CORE FROM TO HRS RPM WGHT daN
6. BIT No. SIZE AND TYPE JET SIZES:
 a. REAM FROM TO HRS RPM WGHT daN
 b. DRILL FROM TO HRS RPM WGHT daN
 c. CORE FROM TO HRS RPM WGHT daN
7. SP.M 48 x DIA .. 140 XLENGTH 356 PUMP PRESSURE 7000 kPa
8. ANNULAR VELOCITY: DRILL COLLARS 86 m³/min DRILL PIPE 42 m³/min.
9. MUD VIS. 58 WGHT 1080 W.L. 8 pH 10.5
10. GENERAL COMMENTS: Csg Reports, Cores, DST etc

8 A.M. STATUS: Drilling.

Times:

Mix LCM 16-1/4 hrs.

Mixed and lost 100m³ of drilling fluid @ 1967m. Regained circulation
 and drilled ahead slowly. Still losing approximately 3m³/hour to formation.

cc: Oakwood (2)

11. MUD ADDITIVES

Ge ⁺	171 sxs.
Caus ⁺	6 sxs.
Sawdust	138 sxs.
Quickseal	15 sxs.
Fibre	6 sxs.

12. SURVEYS

DEPTH	DEG

13. COSTS

Daily Mud	\$ 3,702.00
Cum. Mud	\$ 17,238.00
Daily Well	\$ 15,018.00
Cum. Well	\$ 801,536.00



SULPETRO LIMITED

DAILY DRILLING REPORT

REPORT FROM:Chris.Rodwell.....

TAKEN BY:John.Evans..... DATE:February.11.,.1981.....

SULPETRO ET AL

1. WELL NAMETROUT LAKE P-34..... RIG No.Baltic.No..12.....
2. DEPTH AT 8 A.M.1965..... EST. TD2178..... PROGRESS72.....
3. HOURS ON BOTTOM18-3/4..... HOURS TRIPPING
4. BIT No.6..... SIZE AND TYPE200mm J-33..... JET SIZES: ..2-8.7m.1-9.5.....
- a. REAM.....FROM.....TO.....HRS.....RPM.....WGHT.....daN
- b. DRILL72.....FROM....1893...TO...1965.....HRS...18-3/4...RPM....60.....WGHT...12,000.daN
- c. CORE.....FROM.....TO.....HRS.....RPM.....WGHT.....daN
5. BIT No.SIZE AND TYPEJET SIZES:
- a. REAM.....FROM.....TO.....HRS.....RPM.....WGHT.....daN
- b. DRILL.....FROM.....TO.....HRS.....RPM.....WGHT.....daN
- c. CORE.....FROM.....TO.....HRS.....RPM.....WGHT.....daN
6. BIT No.SIZE AND TYPEJET SIZES:
- a. REAM.....FROM.....TO.....HRS.....RPM.....WGHT.....daN
- b. DRILL.....FROM.....TO.....HRS.....RPM.....WGHT.....daN
- c. CORE.....FROM.....TO.....HRS.....RPM.....WGHT.....daN
7. SP.M ...48.....x DIA ...140.....XLENGTH356...PUMP PRESSURE ...7000.....kPa
8. ANNULAR VELOCITY: DRILL COLLARS86.....m³/min DRILL PIPE42.....m³/min
9. MUD VIS.107.....WGHT1130.....W.L.7.....pH10.....700 PPM CL
10. GENERAL COMMENTS: Csg Reports, Cores, DST etc

8 A.M. STATUS:

Drilling @ 3.8m/hour.

Times:

Circulate and mix LCM
Rig Service
BOP drill

3-3/4 hrs.
3/4 hrs.
1/4 hr.

Note:

Lost approximately 10m³
at 1957m. Mixed LCM -
regained circulation.

cc: Oakwood (2)

11. MUD ADDITIVES	
Gel	20 sxs.
Caustic	1 sxs.
CMC	1 sxs.

12. SURVEYS	
DEPTH	DEG
1896	1

13. COSTS	
Daily Mud	\$ 603.00
Cum. Mud	\$ 13,536.00
Daily Well	\$ 11,643.00
Cum. Well	\$ 786,518.00



SULPETRO LIMITED

DAILY DRILLING REPORT

REPORT FROM:Chris Rodwell.....

TAKEN BY:Janice Bagwell..... DATE:February 10, 1981.....

SULPETRO ET AL

1. WELL NAMETROUT LAKE P-34..... RIG No.Baltic No. 12.....

2. DEPTH AT 8 A.M.1893..... EST. TD2178..... PROGRESS59.....

3. HOURS ON BOTTOM18-3/4..... HOURS TRIPPING

4. BIT No.6..... SIZE AND TYPE222mm J-33..... JET SIZES:2-8, 7, 1-9, 5.....

a. REAM114..... FROM1720..... TO1834..... HRS7..... RPM60..... WGHT 2,000 daN

b. DRILL59..... FROM1834..... TO1893..... HRS 12-3/4 RPM60..... WGHT 13,000 daN

c. CORE FROM TO HRS RPM WGHT daN

5. BIT No. SIZE AND TYPE JET SIZES:

a. REAM FROM TO HRS RPM WGHT daN

b. DRILL FROM TO HRS RPM WGHT daN

c. CORE FROM TO HRS RPM WGHT daN

6. BIT No. SIZE AND TYPE JET SIZES:

a. REAM FROM TO HRS RPM WGHT daN

b. DRILL FROM TO HRS RPM WGHT daN

c. CORE FROM TO HRS RPM WGHT daN

7. SP.M46..... x DIA140..... XLENGTH356..... PUMP PRESSURE7000..... kPa

8. ANNULAR VELOCITY: DRILL COLLARS m³/min DRILL PIPE m³/min.

9. MUD VIS. 60 WGHT 1110 W.L. 7.6 pH 10.5

10. GENERAL COMMENTS: Csg Reports, Cores, DST etc

8 A.M. STATUS: Drilling.

Times:

Drill

18-3/4 hrs.

Ream

4-3/4 hrs.

Rig Service

1/2 hr.

Yield

5.5

Gel

3.5/9.0

Sand

.001

Solid

.095

Alka

.6/1.0

Chloride

675 PPM

cc: Oakwood (2)

11. MUD ADDITIVES

Gel	45 sxs.
Caustic	2 sxs.
Soda Ash	2 sxs.
CMC	2 sxs.

12. SURVEYS

DEPTH	DEG

13. COSTS

Daily Mud	\$ 1,110.00
Cum. Mud	\$ 12,933.00
Daily Well	\$ 15,789.00
Cum. Well	\$ 774,875.00



SULPETRO LIMITED

DAILY DRILLING REPORT

REPORT FROM: Chris Rodwell
TAKEN BY: John Evans DATE: February 9, 1981

SULPETRO ET AL

1. WELL NAME ... TROUT LAKE P-34 ... RIG No. ... Baltic No. 12 ...
2. DEPTH AT 8 A.M. ... 1834 ... EST. TD ... 2178 ... PROGRESS ... Nil ...
3. HOURS ON BOTTOM ... Nil ... HOURS TRIPPING ... 11 ...
4. BIT No. ... 5 ... SIZE AND TYPE ... 200mm J-22 ... JET SIZES: ... 2-8.7, 1-9.5 ...
a. REAM ... FROM ... TO ... HRS ... RPM ... WGHT ... daN
b. DRILL ... FROM ... TO ... HRS ... RPM ... WGHT ... daN
c. CORE 419 FROM 1415 TO 1834 HRS 134 RPM WGHT daN
5. BIT No. ... 6 ... SIZE AND TYPE ... 200mm J-33 ... JET SIZES: ... 2-8.7, 1-9.5 ...
a. REAM ... 96 ... FROM ... 1720 TO ... 1816 ... HRS ... 2-1/4 ... RPM ... 60 ... WGHT ... 2000 ... daN
b. DRILL ... FROM ... TO ... HRS ... RPM ... WGHT ... daN
c. CORE ... FROM ... TO ... HRS ... RPM ... WGHT ... daN
6. BIT No. ... SIZE AND TYPE ... JET SIZES: ...
a. REAM ... FROM ... TO ... HRS ... RPM ... WGHT ... daN
b. DRILL ... FROM ... TO ... HRS ... RPM ... WGHT ... daN
c. CORE ... FROM ... TO ... HRS ... RPM ... WGHT ... daN
7. SP.M ... 48 ... x DIA ... 140 ... XLENGTH ... 356 ... PUMP PRESSURE ... 7000 ... kPa
8. ANNULAR VELOCITY: DRILL COLLARS ... 86 ... m³/min DRILL PIPE ... 42 ... m³/min.
9. MUD VIS. ... 71 ... WGHT ... 1125 ... W.L. ... 7.6 ... pH ... 10.5 (650 PPM CL)
10. GENERAL COMMENTS: Csg Reports, Cores, DST etc

8 A.M. STATUS: Reaming to bottom.

Times:

Rig service and BOP's	3/4 hrs.
Rig Repair	2-1/2 hrs.
Test BOP's	2 hrs.
Work stuck pipe	2-1/4 hrs.
Circulate	3-1/2 hrs.

cc: Oakwood (2)

11. MUD ADDITIVES

Gei	25 sxs.
Benex	5 sxs.
Caustic	2 sxs.

12. SURVEYS

DEPTH	DEG
1834	1

13. COSTS

Daily Mud	\$ 470.00
Cum. Mud	\$ 10,933.00
Daily Well	\$ 11,610.00
Cum. Well	\$ 759,086.00



SULPETRO LIMITED

DAILY DRILLING REPORT

REPORT FROM: Chris Rodwell.....

TAKEN BY: Steve Dole..... DATE: February 8, 1981.....

SULPETRO ET AL

1. WELL NAME TROUT LAKE P-34 RIG No. Baltic No. 12.....

2. DEPTH AT 8 A.M. ... 1834 EST. TD ... 2178 PROGRESS 62.....

3. HOURS ON BOTTOM .20..... HOURS TRIPPING 2-1/4.....

4. BIT No. 5..... SIZE AND TYPE 200mm J-22..... JET SIZES: .. 2-8, 7, 1-9, 2.....

a. REAM.....FROM.....TO.....HRS.....RPM.....WGHT.....daN

b. DRILL .419.....FROM...1415...TO...1834...HRS...134...RPM...59...WGHT.13,000...daN

c. CORE.....FROM.....TO.....HRS.....RPM.....WGHT.....daN

5. BIT No. SIZE AND TYPE JET SIZES:

a. REAM.....FROM.....TO.....HRS.....RPM.....WGHT.....daN

b. DRILL.....FROM.....TO.....HRS.....RPM.....WGHT.....daN

c. CORE.....FROM.....TO.....HRS.....RPM.....WGHT.....daN

6. BIT No. SIZE AND TYPE JET SIZES:

a. REAM.....FROM.....TO.....HRS.....RPM.....WGHT.....daN

b. DRILL.....FROM.....TO.....HRS.....RPM.....WGHT.....daN

c. CORE.....FROM.....TO.....HRS.....RPM.....WGHT.....daN

7. SP.M48.....x DIA ...140.....XLENGTH356....PUMP PRESSURE7000..... kPa

8. ANNULAR VELOCITY: DRILL COLLARS 86.4 m³/min DRILL PIPE 41.7 m³/min.

9. MUD VIS. 53 WGHT 1120 W.L. 7.8 pH 9.5

10. GENERAL COMMENTS: Csg Reports, Cores, DST etc

8 A.M. STATUS: Trip out with Bit No. 5.

Times:

Drilling 20 hrs.
Rig Service BOP 3/4 hr.
Tripping 2-1/4 hrs.
Survey 1 1/2 hr.
Clean to bottom 1/2 hr.

cc: Oakwood (2)

11. MUD ADDITIVES

Gel	20 sxs.
Benex	4 sxs.
Driscac	1 sx.
Caustic	2 sxs.

12. SURVEYS

DEPTH	DEG
1791	1

13. COSTS

Daily Mud	\$ 611.00
Cum. Mud	\$ 10,463.00
Daily Well	\$ 10,951.00
Cum. Well	\$ 746,676.00



SULPETRO LIMITED

DAILY DRILLING REPORT

REPORT FROM: Chris Rodwell
TAKEN BY: Steve Dole DATE: February 7, 1981

SULPETRO ET AL

1. WELL NAME TROUT LAKE P-34 RIG No. Baltic No. 12
2. DEPTH AT 8 A.M. 1772 EST. TD 2178 PROGRESS 75
3. HOURS ON BOTTOM 22-3/4 HOURS TRIPPING Nil
4. BIT No. 5 SIZE AND TYPE 200mm J-22 JET SIZES: 2-8.7, 1-9.2
a. REAM FROM TO HRS RPM WGHT daN
b. DRILL 357 FROM 1415 TO 1772 HRS RPM 58 WGHT 12,000 daN
c. CORE FROM TO HRS RPM WGHT daN
5. BIT No. SIZE AND TYPE JET SIZES:
a. REAM FROM TO HRS RPM WGHT daN
b. DRILL FROM TO HRS RPM WGHT daN
c. CORE FROM TO HRS RPM WGHT daN
6. BIT No. SIZE AND TYPE JET SIZES:
a. REAM FROM TO HRS RPM WGHT daN
b. DRILL FROM TO HRS RPM WGHT daN
c. CORE FROM TO HRS RPM WGHT daN
7. SP.M 48 x DIA 140 XLENGTH 356 PUMP PRESSURE 7000 kPa
8. ANNULAR VELOCITY: DRILL COLLARS 90 m³/min DRILL PIPE 43.4 m³/min.
9. MUD VIS. 53 WGHT 1120 W.L. 7.8 pH 9.5
10. GENERAL COMMENTS: Csg Reports, Cores, DST etc

8 A.M. STATUS: Drilling @ 3.3m/hour.

Times:

Drill 22-3/4 hrs.
Rig Service 3/4 hrs.
Survey 1/2 hr.

cc: Oakwood (2)

11. MUD ADDITIVES	
Gel	30 sxs.
Benex	6 sxs.
Caustic	2 sxs.
Driscac	1 sx.

12. SURVEYS	
DEPTH	DEG
1734	1-7/8

13. COSTS	
Daily Mud	\$ 751.00
Cum. Mud	\$ 9,852.00
Daily Well	\$ 11,845.00
Cum. Well	\$ 735,725.00



SULPETRO LIMITED

DAILY DRILLING REPORT

REPORT FROM: Chris Rodwell

TAKEN BY: John Evans DATE: February 6, 1981

SULPETRO ET AL

1. WELL NAME TROUT LAKE P-34 RIG No. Baltic No. 12

2. DEPTH AT 8 A.M. 1697 EST. TD 2178 PROGRESS 68

3. HOURS ON BOTTOM 22-3/4 HOURS TRIPPING

4. BIT No. ... 5 SIZE AND TYPE ... 200mm J-22 JET SIZES: ... 2-8.7, 1-9.5

a. REAM FROM TO HRS RPM WGHT daN

b. DRILL FROM TO 1697 HRS RPM 56 WGHT 12,000 daN

c. CORE ^{CUM} 282 FROM TO HRS 90-1/4 RPM WGHT daN

5. BIT No. SIZE AND TYPE JET SIZES:

a. REAM FROM TO HRS RPM WGHT daN

b. DRILL FROM TO HRS RPM WGHT daN

c. CORE FROM TO HRS RPM WGHT daN

6. BIT No. SIZE AND TYPE JET SIZES:

a. REAM FROM TO HRS RPM WGHT daN

b. DRILL FROM TO HRS RPM WGHT daN

c. CORE FROM TO HRS RPM WGHT daN

7. SP.M 50 x DIA 140 XLENGTH 356 PUMP PRESSURE 7,000 kPa

8. ANNULAR VELOCITY: DRILL COLLARS 90 m³/min DRILL PIPE 43 m³/min.

9. MUD VIS. 43 WGHT 1110 W.L. 8.2 pH 9.0 800 PPM Cl

10. GENERAL COMMENTS: Csg Reports, Cores, DST etc

8 A.M. STATUS: Drilling @ 3m/hour.

Times:Rig Service and BCP's
Survey3/4 hrs.
1/2 hrs.

cc: Oakwood (2)

11. MUD ADDITIVES

Gel	40 sxs.
Drispac	1 sx.
CMC	2 sxs.
Caustic	2 sxs.

12. SURVEYS

DEPTH	DEG
1639	2
1687	2

13. COSTS

Daily Mud	\$ 1,258.00
Cum. Mud	\$ 9,101.00
Daily Well	\$ 12,352.00
Cum. Well	\$ 723,680.00



SULPETRO LIMITED

DAILY DRILLING REPORT

REPORT FROM: Chris Rodwell
TAKEN BY: John Evans
DATE: February 5, 1981

SULPETRO ET AL

TROUT LAKE P-34

Baltic No. 12

1. WELL NAME RIG No.
2. DEPTH AT 8 A.M. 1629 EST. TD 2178 PROGRESS 70
3. HOURS ON BOTTOM 22-3/4 HOURS TRIPPING Nil
4. BIT No. 5 SIZE AND TYPE 200mm J-22 JET SIZES: 2-8.7, 1-9.5
- a. REAM FROM TO HRS RPM WGHT daN
- b. DRILL 70 FROM 1559 TO 1629 HRS 22-3/4 RPM 50 WGHT 14,000 daN
- c. CORE ⁴¹³ FROM TO HRS ⁶⁸ RPM WGHT daN
5. BIT No. SIZE AND TYPE JET SIZES:
- a. REAM FROM TO HRS RPM WGHT daN
- b. DRILL FROM TO HRS RPM WGHT daN
- c. CORE FROM TO HRS RPM WGHT daN
6. BIT No. SIZE AND TYPE JET SIZES:
- a. REAM FROM TO HRS RPM WGHT daN
- b. DRILL FROM TO HRS RPM WGHT daN
- c. CORE FROM TO HRS RPM WGHT daN
7. SP.M ⁵⁰ x DIA ¹⁴⁰ XLENGTH ³⁵⁶ PUMP PRESSURE ⁷⁰⁰⁰ kPa
8. ANNULAR VELOCITY: DRILL COLLARS ⁹⁰ m³/min DRILL PIPE ⁴³ m³/min
9. MUD VIS. ⁵⁰ WGHT ¹¹²⁰ W.L. ^{9.0} pH ^{9.5}
10. GENERAL COMMENTS: Csg Reports, Cores, DST etc

8 A.M. STATUS:

Drilling @ 3.2m/hour

Times:

Rig Service

Survey

3/4 hrs.

1/2 hr.

cc: Oakwood (2)

11. MUD ADDITIVES

Gel	46 sxs.
Benex	9 sxs.
Caustic	2 sxs.
CMC	1 sx.

12. SURVEYS

DEPTH	DEG
1600	1-1/8

13. COSTS

Daily Mud	\$ 1,020.00
Cum. Mud	\$ 7,843.00
Daily Well	\$ 16,118.00
Cum. Well	\$ 711,528.00



SULPETRO LIMITED

DAILY DRILLING REPORT

REPORT FROM: Chris Rodwell

TAKEN BY: John Evans DATE: February 4, 1981

SULPETRO ET AL

1. WELL NAME TROUT LAKE P-34 RIG No. Baltic No. 12

2. DEPTH AT 8 A.M. 1559 EST. TD 2178 PROGRESS 73

3. HOURS ON BOTTOM 22-1/4 HOURS TRIPPING

4. BIT No. 5 SIZE AND TYPE 200mm J-22 JET SIZES: .. 2-8.7, 1-9.5

a. REAM FROM TO HRS RPM WGHT daN

b. DRILL ... 73 FROM ... 1486 TO ... 1559 HRS RPM 60 WGHT ... 12,000 daN

c. CORE FROM TO HRS RPM WGHT daN

5. BIT No. SIZE AND TYPE JET SIZES:

a. REAM FROM TO HRS RPM WGHT daN

b. DRILL FROM TO HRS RPM WGHT daN

c. CORE FROM TO HRS RPM WGHT daN

6. BIT No. SIZE AND TYPE JET SIZES:

a. REAM FROM TO HRS RPM WGHT daN

b. DRILL FROM TO HRS RPM WGHT daN

c. CORE FROM TO HRS RPM WGHT daN

7. SP.M 50 x DIA 140 XLENGTH 356 PUMP PRESSURE 7000 kPa

8. ANNULAR VELOCITY: DRILL COLLARS 90 m³/min DRILL PIPE 43 m³/min.

9. MUD VIS. 51 WGHT 1130 W.L. 8.5 pH 9.5

10. GENERAL COMMENTS: Csg Reports, Cores, DST etc

8 A.M. STATUS: Drilling @ 4m/hour.

Times:

Rig Service

3/4 hr.

Survey

1 hr.

cc: Oakwood (2)

11. MUD ADDITIVES

Gel	38 sxs.
Benex	6 sxs.
Drispac	1 sx.
Caustic	2 sxs.

12. SURVEYS

DEPTH	DEG
1506	1

13. COSTS

Daily Mud	\$ 877.00
Cum. Mud	\$ 6,823.00
Daily Well	\$ 11,848.00
Cum. Well	\$ 695,410.00



SULPETRO LIMITED

DAILY DRILLING REPORT

REPORT FROM: Chris Rodwell
TAKEN BY: John Evans DATE: February 3, 1981

SULPETRO ET AL

TROUT LAKE P-34

RIG No. Baltic

1. WELL NAME TROUT LAKE P-34 RIG No. Baltic
2. DEPTH AT 8 A.M. 1486 EST. TD 2478 PROGRESS 67
3. HOURS ON BOTTOM 22 HOURS TRIPPING Nil
4. BIT No. 5 SIZE AND TYPE 200mm J-2 JET SIZES: .. 2-8.7, 1-9.5
- a. REAM FROM TO HRS RPM WGHT daN
- b. DRILL 67 FROM 1419 TO 1486 HRS 22 RPM 60 WGHT 8000 daN
- c. CORE FROM TO HRS RPM WGHT daN
5. BIT No. SIZE AND TYPE JET SIZES:
- a. REAM FROM TO HRS RPM WGHT daN
- b. DRILL FROM TO HRS RPM WGHT daN
- c. CORE FROM TO HRS RPM WGHT daN
6. BIT No. SIZE AND TYPE JET SIZES:
- a. REAM FROM TO HRS RPM WGHT daN
- b. DRILL FROM TO HRS RPM WGHT daN
- c. CORE FROM TO HRS RPM WGHT daN
7. SP.M 48 x DIA 140 XLENGTH 356 PUMP PRESSURE 6500 kPa
8. ANNULAR VELOCITY: DRILL COLLARS 86 m³/min DRILL PIPE 42 m³/min.
9. MUD VIS. 55 WGHT 1125 W.L. 8.1 pH 9.5
10. GENERAL COMMENTS: Csg Reports, Cores, DST etc

8 A.M. STATUS: Drilling @ 3.5m/hour.

Times:

Rig Service 3/4 hr.
BOP drill 1/2 hr.
Survey 3/4 hr.

cc: Oakwood (2)

11. MUD ADDITIVES	
Gel	18 sxs.
Benex	3 sxs.
Driscap	1 sx.
CMC	2 sx.
Caustic	2 sxs.

12. SURVEYS	
DEPTH	DEG
1467	1-1/2

13. COSTS	
Daily Mud	\$ 993.00
Cum. Mud	\$ 5,946.00
Daily Well	\$ 12,507.00
Cum. Well	\$ 683,567.00

SULPETRO LIMITED

DAILY DRILLING REPORT

REPORT FROM: Dave Robertson.....
 TAKEN BY: Janice Bagwell..... DATE: February 2, 1981.....

SULPETRO ET AL

1. WELL NAME TROUT LAKE P-34..... RIG No. Baltic No. 12.....
2. DEPTH AT 8 A.M. 1419..... EST. TD PROGRESS 39.....
3. HOURS ON BOTTOM 11-1/4..... HOURS TRIPPING 5-1/2.....
4. BIT No. 4..... SIZE AND TYPE 200mm J-22..... JET SIZES: 5-1/2.....
 a. REAM..... FROM..... TO..... HRS..... RPM..... WGHT..... daN
 b. DRILL ... 35..... FROM..... 1390..... TO..... 1415..... HRS. 10..... RPM..... 60..... WGHT 8000..... daN
 c. CORE ~~276~~ ^{CUM} 276 FROM..... TO..... HRS 66 RPM WGHT daN
5. BIT No. 5..... SIZE AND TYPE 200mm J-22..... JET SIZES: .. 2-8.7, 1-9.5.....
 a. REAM... 205... FROM. 1210... TO... 1415... HRS. 5-1/4... RPM. 60... WGHT 2,000... daN
 b. DRILL ... 4..... FROM. 1415..... TO... 1419... HRS. 1-1/4... RPM. 60... WGHT 8,000... daN
 c. CORE..... FROM..... TO..... HRS..... RPM..... WGHT..... daN
6. BIT No. SIZE AND TYPE JET SIZES:
 a. REAM..... FROM..... TO..... HRS..... RPM..... WGHT..... daN
 b. DRILL..... FROM..... TO..... HRS..... RPM..... WGHT..... daN
 c. CORE..... FROM..... TO..... HRS..... RPM..... WGHT..... daN
7. SP.M .. 48..... x DIA ... 140..... XLENGTH 356..... PUMP PRESSURE 6500..... kPa
8. ANNULAR VELOCITY: DRILL COLLARS 86.4 m³/min DRILL PIPE 31.7 m³/min.
9. MUD VIS. 42 WGHT 1100 W.L. 12 pH 10.5
10. GENERAL COMMENTS: Csg Reports, Cores, DST etc

8 A.M. STATUS: Drilling.

Times:

Rig Service
 Slip and cut
 Survey

3/4 hrs.
 3/4 hrs.
 1/2 hr.

cc: Oakwood (2)

11. MUD ADDITIVES	
Gel	25 sxs.
Benex	5 sxs.
CMC	2 sxs.
Caustic	1 sxs.

12. SURVEYS	
DEPTH	CEG
1390	2
1415	2

13. COSTS	
Daily Mud	\$ 823.00
Cum. Mud	\$ 4,953.00
Daily Well	\$ 12,384.00
Cum. Well	\$ 671,055.00



DAILY DRILLING REPORT

REPORT FROM: Chris Rodwell
TAKEN BY: John Evans
DATE: February 1, 1981

SULPETRO ET AL

TROUT LAKE P-34

Baltic No. 12

1. WELL NAME RIG No.
2. DEPTH AT 8 A.M. 1380 EST. TD 2178 PROGRESS 77
3. HOURS ON BOTTOM 21-3/4 HOURS TRIPPING Nil
4. BIT No. ... 4 SIZE AND TYPE 200mm J-22 JET SIZES: .2-8,7, 1-9.5
- a. REAM FROM TO HRS RPM WGHT daN
- b. DRILL ... 77 FROM ... 1303 ... TO ... 1380 ... HRS ... 21-3/4 ... RPM ... 60 WGHT 8,000 daN
- c. CORE 241 CUM FROM TO HRS 56 RPM WGHT daN
5. BIT No. SIZE AND TYPE JET SIZES:
- a. REAM FROM TO HRS RPM WGHT daN
- b. DRILL FROM TO HRS RPM WGHT daN
- c. CORE FROM TO HRS RPM WGHT daN
6. BIT No. SIZE AND TYPE JET SIZES:
- a. REAM FROM TO HRS RPM WGHT daN
- b. DRILL FROM TO HRS RPM WGHT daN
- c. CORE FROM TO HRS RPM WGHT daN
7. SP.M 48 x DIA 140 XLENGTH 356 PUMP PRESSURE ... 6500 kPa
8. ANNULAR VELOCITY: DRILL COLLARS 86 m³/min DRILL PIPE 42 m³/min.
9. MUD VIS. 43 WGHT 1120 W.L. 12 pH 10
10. GENERAL COMMENTS: Csg Reports, Cores, DST etc

8 A.M. STATUS: Drilling @ 3.5m/hour.

Times:

Rig Service

3/4 hr.

Survey

3/4 hr.

Rig Repair

3/4 hr.

cc: Oakwood (2)

11. MUD ADDITIVES

Gel	41 sxs.
Benex	6 sxs.
Caustic	2 sxs.

12. SURVEYS

DEPTH	DEG
1315	2
1380	2

13. COSTS

Daily Mud	\$ 564.00
Cum. Mud	\$ 4,130.00
Daily Well	\$ 11,925.00
Cum. Well	\$ 658,671.00



SULPETRO LIMITED

DAILY DRILLING REPORT

REPORT FROM:Chris. Rodwell.....

TAKEN BY:John Evans..... DATE:January 31, 1981.....

SULPETRO ET AL

1. WELL NAMETROUT LAKE P-34..... RIG No.Baltic No. 12.....
2. DEPTH AT 8 A.M.1303..... EST. TD2178..... PROGRESS70.....
3. HOURS ON BOTTOM23..... HOURS TRIPPING
4. BIT No.4..... SIZE AND TYPE200mm J-22..... JET SIZES: 2-8, 7, 1-9.5mm.....
- a. REAMFROM..... TOHRS..... RPMWGHTdaN
- b. DRILL70..... FROM1233..... TO1303..... HRS23..... RPM50..... WGHT10,000..... daN
- c. CORE164..... FROM TOHRS34-1/2..... RPM WGHT daN
5. BIT No. SIZE AND TYPE JET SIZES:
- a. REAMFROM..... TOHRS..... RPMWGHT daN
- b. DRILLFROM..... TOHRS..... RPMWGHT daN
- c. COREFROM..... TOHRS..... RPMWGHT daN
6. BIT No. SIZE AND TYPE JET SIZES:
- a. REAMFROM..... TOHRS..... RPMWGHT daN
- b. DRILLFROM..... TOHRS..... RPMWGHT daN
- c. COREFROM..... TOHRS..... RPMWGHT daN
7. SP.M48..... x DIA ..140..... XLENGTH356..... PUMP PRESSURE ..6500..... kPa
8. ANNULAR VELOCITY: DRILL COLLARS86..... m³/min DRILL PIPE42..... m³/min.
9. MUD VIS.47..... WGHT1140..... W.L.9..... pH9.5.....
10. GENERAL COMMENTS: Csg Reports, Cores, DST etc

8 A.M. STATUS:

Drilling @ 3.1m/hour

Times:

Survey 1/2 hr.

Rig Service 1/2 hr.

cc: Oakwood (2)

11. MUD ADDITIVES	
Gel	18 sxs.
Benex	3 sxs.
Caustic	3 sxs.

12. SURVEYS	
DEPTH	DEG
1139	3/4
1280	2-1/2

13. COSTS	
Daily Mud	\$ 377.00
Cum. Mud	\$ 3,566.00
Daily Well	\$ 11,938.00
Cum. Well	\$ 646,746.00

**SULPETRO LIMITED**

DAILY DRILLING REPORT

REPORT FROM: Chris Rodwell
TAKEN BY: John Evans DATE: January 30, 1981

SULPETRO ET AL

1. WELL NAME TROUT LAKE P-34 RIG No. Baltic No. 12
2. DEPTH AT 8 A.M. 1233 EST. TD 2178 PROGRESS 75
3. HOURS ON BOTTOM 17-1/2 HOURS TRIPPING 4-3/4
4. BIT No. 4 SIZE AND TYPE 200mm J-22 JET SIZES: ... 2-8, 7, 1-9, 5
a. REAM FROM TO HRS RPM WGHT daN
b. DRILL 75 FROM 1158 TO 1233 HRS 17-1/2 RPM 40 WGHT 12,000 daN
c. CORE FROM TO HRS RPM WGHT daN
5. BIT No. SIZE AND TYPE JET SIZES:
a. REAM FROM TO HRS RPM WGHT daN
b. DRILL FROM TO HRS RPM WGHT daN
c. CORE FROM TO HRS RPM WGHT daN
6. BIT No. SIZE AND TYPE JET SIZES:
a. REAM FROM TO HRS RPM WGHT daN
b. DRILL FROM TO HRS RPM WGHT daN
c. CORE FROM TO HRS RPM WGHT daN
7. SP.M 48 x DIA 140 XLENGTH 356 PUMP PRESSURE 6500 kPa
8. ANNULAR VELOCITY: DRILL COLLARS 86 m³/min DRILL PIPE 42 m³/min.
9. MUD VIS. 43 WGHT 1150 W.L. 10 pH 10
10. GENERAL COMMENTS: Csg Reports, Cores, DST etc

8 A.M. STATUS: Drilling @ 4.3m/hr.

Times:

Rig Service 3/4 hr.
Leak off test 1 hr.

Depth 559m

Mud Density 1140 Kg/m³

HP @ shoe 6251 Kpa

Surface Pressure 4000 Kpa

Total @ shpw 10,251 Kpa

Gradient 18.34 Kpa/m (.81 psi@ft.)

cc: Oakwood (2)

11. MUD ADDITIVES	
Gel	10 sxs.
Benex	1 sx.
Caustic	1 sxs.
CMC	2 sxs.

12. SURVEYS	
DEPTH	DEG

13. COSTS	
Daily Mud	\$ 597.00
Cum. Mud	\$ 3,189.00
Daily Well	\$ 12,158.00
Cum. Well	\$ 634,808.00



SULPETRO LIMITED

DAILY DRILLING REPORT

REPORT FROM: Chris Rodwell
TAKEN BY: Janice Bagwell
DATE: January 29, 1981

SULPETRO ET AL

TROUT LAKE P-34

Baltic No. 12

1. WELL NAME RIG No.
2. DEPTH AT 8 A.M. ..1158..... EST. TD ..2178..... PROGRESS43
3. HOURS ON BOTTOM13-1/4..... HOURS TRIPPING8-1/4
4. BIT No. ...3..... SIZE AND TYPE ...J-13 HW 200mm..... JET SIZES: 2-8.7, 1-9.2
- a. REAM.....FROM.....TO.....HRS.....RPM.....WGHT.....daN
- b. DRILL...181.....FROM...958.....TO...1139.....HRS40-1/2.....RPM...100.....WGHT 13,000...daN
- c. CORE.....FROM.....TO.....HRS.....RPM.....WGHT.....daN
5. BIT No.4..... SIZE AND TYPE ...200mm J-22..... JET SIZES: 2-8.7, 1-9.2
- a. REAM...28.....FROM...1111.....TO...1139.....HRS...1-1/2.....RPM...40.....WGHT...2,000...daN
- b. DRILL...19.....FROM...1139.....TO...1158.....HRS...5-1/2.....RPM...40.....WGHT 12,000...daN
- c. CORE.....FROM.....TO.....HRS.....RPM.....WGHT.....daN
6. BIT No. SIZE AND TYPE JET SIZES:
- a. REAM.....FROM.....TO.....HRS.....RPM.....WGHT.....daN
- b. DRILL.....FROM.....TO.....HRS.....RPM.....WGHT.....daN
- c. CORE.....FROM.....TO.....HRS.....RPM.....WGHT.....daN
7. SP.M ...48..... x DIA ...140..... XLENGTH ...356..... PUMP PRESSURE6500..... kPa
8. ANNULAR VELOCITY: DRILL COLLARSm³/min DRILL PIPEm³/min.
9. MUD VIS. ...36..... WGHT ...1150..... W.L. pH ...8.8
10. GENERAL COMMENTS: Csg Reports, Cores, DST etc

8 A.M. STATUS:

Drilling.

Drill rate: 3.5m/hour

Times:

Rig Service

3/4 hr.

Survey

1/2 hr.

Ream

1-1/4

cc: Oakwood (2)

11. MUD ADDITIVES

Gel	42 SXS.
Caustic	4 SXS.
Benex	4 SXS.

12. SURVEYS

DEPTH	DEG
1130	3/4

13. COSTS

Daily Mud	\$ 645.00
Cum. Mud	\$ 2,593.00
Daily Well	\$ 12,206.00
Cum. Well	\$ 622,650.00



SULPETRO LIMITED

DAILY DRILLING REPORT

REPORT FROM: Chris Rodwell
TAKEN BY: Steve Dole DATE: January 28, 1981

SULPETRO ET AL

1. WELL NAME TROUT LAKE P-34 RIG No. Baltic No. 12
2. DEPTH AT 8 A.M. 1115 EST. TD 2178 PROGRESS 99
3. HOURS ON BOTTOM 22-3/4 HOURS TRIPPING Nil
4. BIT No. 3 SIZE AND TYPE 200mm J-3 JET SIZES: 2-8.7mm, 1-9.2mm
- a. REAM FROM TO HRS RPM WGHT daN
- b. DRILL 157 FROM 985 TO 1115 HRS 34 RPM 100 WGHT 13,000 daN
- c. CORE FROM TO HRS RPM WGHT daN
5. BIT No. SIZE AND TYPE JET SIZES:
- a. REAM FROM TO HRS RPM WGHT daN
- b. DRILL FROM TO HRS RPM WGHT daN
- c. CORE FROM TO HRS RPM WGHT daN
6. BIT No. SIZE AND TYPE JET SIZES:
- a. REAM FROM TO HRS RPM WGHT daN
- b. DRILL FROM TO HRS RPM WGHT daN
- c. CORE FROM TO HRS RPM WGHT daN
7. SP.M 53 x DIA 140 XLENGTH 356 PUMP PRESSURE 7000 kPa
8. ANNULAR VELOCITY: DRILL COLLARS 82 m³/min DRILL PIPE 46 m³/min.
9. MUD VIS. 34 WGHT 1110 W.L. pH
10. GENERAL COMMENTS: Csg Reports, Cores, DST etc

8 A.M. STATUS:

Drilling.

Times:

Rig Service

3/4 hr.

Survey

1/2 hr.

Drilling

22-3/4 hrs.

Mud up at 985m.

cc: Oakwood (2)

11. MUD ADDITIVES

Benex	5 sxs.
Gel	45 sxs.
Caustic	3 sxs.

12. SURVEYS

DEPTH	DEG
1030	1

13. COSTS

Daily Mud	\$ 752.00
Cum. Mud	\$ 1,948.00
Daily Well	\$12,359.00
Cum. Well	\$ 610,444.00

SULPETRO LIMITED

DAILY DRILLING REPORT

REPORT FROM: ... Chris Rodwell
 TAKEN BY: ... John Evans DATE: ... January 27, 1981

SULPETRO ET AL

1. WELL NAME TROUT LAKE P-34 RIG No. ... Baltic No. 12
2. DEPTH AT 8 A.M. 1016 EST. TD 2178 PROGRESS 111
3. HOURS ON BOTTOM 17 HOURS TRIPPING 5-1/4
4. BIT No. ... 2 SIZE AND TYPE 200mm X3A-J JET SIZES: 3-8.7
 a. REAM. FROM TO HRS RPM WGHT daN
 b. DRILL 53 FROM 905 TO 958 HRS 5-3/4 RPM 100 WGHT 12,000 daN
 c. CORE 400 FROM 558 TO 958 HRS 36-1/4 RPM WGHT daN
5. BIT No. ... 3 SIZE AND TYPE 200mm J-3 JET SIZES: 2-8.7, 1-9.5
 a. REAM. 46 FROM 654 TO 700 HRS 3/4 RPM WGHT daN
 b. DRILL 58 FROM 958 TO 1016 HRS 11-1/4 RPM 80 WGHT 12,000 daN
 c. CORE FROM TO HRS RPM WGHT daN
6. BIT No. SIZE AND TYPE JET SIZES:
 a. REAM. FROM TO HRS RPM WGHT daN
 b. DRILL FROM TO HRS RPM WGHT daN
 c. CORE FROM TO HRS RPM WGHT daN
7. SP.M 55 x DIA 140 XLENGTH 356 PUMP PRESSURE 7500 kPa
8. ANNULAR VELOCITY: DRILL COLLARS 99 m³/min DRILL PIPE 47 m³/min.
9. MUD Vis. 35 WGHT 1085 W.L. pH
10. GENERAL COMMENTS: Csg Reports, Cores, DST etc

8 A.M. STATUS:

Drilling.

Times:

Rig Service

3/4 hrs.

Ream

3/4 hrs.

Repair

1/4 hr.

Started mud up at 985m.

cc: Oakwood (2)

11. MUD ADDITIVES	
Benex	2 sxs.

12. SURVEYS	
DEPTH	DEG

13. COSTS	
Daily Mud	\$ 336.00
Cum. Mud	\$ 1,446.00
Daily Well	\$ 13,632.00
Cum. Well	\$ 596,085.00



SULPETRO LIMITED

DAILY DRILLING REPORT

REPORT FROM: Chris Rodwell

TAKEN BY: John Evans DATE: January 26, 1981

SULPETRO ET AL TROUT

1. WELL NAME LAKE P-34 RIG No. Baltic No. 12

2. DEPTH AT 8 A.M. 905 EST. TD 2178 PROGRESS 181

3. HOURS ON BOTTOM 21-3/4 HOURS TRIPPING

4. BIT No. 1 SIZE AND TYPE 200mm X3AJ JET SIZES: 3-8.7mm

a. REAM FROM TO HRS RPM WGHT daN

b. DRILL 181 FROM 724 TO 905 HRS 21-3/4 RPM 100 WGHT 12,000 daN

c. CORE 347 FROM TO HRS 30-1/2 RPM WGHT daN

5. BIT No. CUM SIZE AND TYPE

a. REAM FROM TO HRS RPM WGHT daN

b. DRILL FROM TO HRS RPM WGHT daN

c. CORE FROM TO HRS RPM WGHT daN

6. BIT No. SIZE AND TYPE

a. REAM FROM TO HRS RPM WGHT daN

b. DRILL FROM TO HRS RPM WGHT daN

c. CORE FROM TO HRS RPM WGHT daN

7. SP.M ... 55 x DIA ... 140 XLENGTH ... 356 PUMP PRESSURE 7500 kPa

8. ANNULAR VELOCITY: DRILL COLLARS 99 m³/min DRILL PIPE 47 m³/min.

9. MUD VIS. 29 WGHT 1070 W.L. pH

10. GENERAL COMMENTS: Csg Reports, Cores, DST etc

8 A.M. STATUS: Drilling.

Times:

Rig Service 3/4 hr.

BOP, Drill 1/2 hr.

Rig Repair 1/2 hr.

Survey 1/2 hr.

cc: Oakwood (2)

11. MUD ADDITIVES

Benex	8 SXS.

12. SURVEYS

DEPTH	DEG
867	1/2

13. COSTS

Daily Mud	\$ 148.00
Cum. Mud	\$ 1,110.00
Daily Well	\$ 14,938.00
Cum. Well	\$ 584,453.00



SULPETRO LIMITED

DAILY DRILLING REPORT

REPORT FROM: Chris Rodwell

TAKEN BY: Terry Sharp DATE: January 25, 1981

SULPETRO ET AL TROUT

1. WELL NAME LAKE P-34 RIG No. Baltic No. 12
2. DEPTH AT 8 A.M. 724 EST. TD PROGRESS 166
3. HOURS ON BOTTOM 8-3/4 HOURS TRIPPING 4-1/4
4. BIT No. ... 1 SIZE AND TYPE ... X3AJ.200mm JET SIZES: 3-8 1/2
a. REAM FROM TO HRS RPM WGHT daN
b. DRILL 166 FROM 558 TO 724 HRS 8-3/4 RPM 80-100 WGHT 12,000 daN
c. CORE FROM TO HRS RPM WGHT daN
5. BIT No. SIZE AND TYPE JET SIZES:
a. REAM FROM TO HRS RPM WGHT daN
b. DRILL FROM TO HRS RPM WGHT daN
c. CORE FROM TO HRS RPM WGHT daN
6. BIT No. SIZE AND TYPE JET SIZES:
a. REAM FROM TO HRS RPM WGHT daN
b. DRILL FROM TO HRS RPM WGHT daN
c. CORE FROM TO HRS RPM WGHT daN
7. SP.M 55 x DIA ... 140 XLENGTH ... 356 PUMP PRESSURE ... 7500 kPa
8. ANNULAR VELOCITY: DRILL COLLARS 99 m³/min DRILL PIPE 47 m³/min.
9. MUD VIS. 29 WGHT 1040 W.L. pH Water
10. GENERAL COMMENTS: Csg Reports, Cores, DST etc
8 A.M. STATUS: Drilling @ 18m/hour.

Times:

Rig Service
Fishing
Trips
Drilling
Displace hole
Safety Meeting
Repair
Drilling
Survey

1/2 hr.
5 hrs.
4-1/4 hrs.
2-1/2 hrs.
1/2 hr.
1/4 hr.
2 hrs.
8-3/4 hrs.
1/4 hr.

cc: Oakwood (2)

11. MUD ADDITIVES

12. SURVEYS

DEPTH	DEG
716	7/8

13. COSTS

Daily Mud	\$Nil
Cum. Mud	\$ 962.00
Daily Well	\$ 12,050.00
Cum. Well	\$ 570,515.00



SULPETRO LIMITED

DAILY DRILLING REPORT

REPORT FROM:Chris Rodwell.....
TAKEN BY:Terry Sharp..... DATE: ..January 24, 1981.....

SULPETRO ET AL

1. WELL NAMETROUT LAKE P-34..... RIG No.Baltic No. 12.....
2. DEPTH AT 8 A.M.558..... EST. TD PROGRESSNil.....
3. HOURS ON BOTTOM HOURS TRIPPING2.....
4. BIT No. SIZE AND TYPE JET SIZES:
a. REAM FROM TO HRS RPM WGHT daN
b. DRILL FROM TO HRS RPM WGHT daN
c. CORE FROM TO HRS RPM WGHT daN
5. BIT No. SIZE AND TYPE JET SIZES:
a. REAM FROM TO HRS RPM WGHT daN
b. DRILL FROM TO HRS RPM WGHT daN
c. CORE FROM TO HRS RPM WGHT daN
6. BIT No. SIZE AND TYPE JET SIZES:
a. REAM FROM TO HRS RPM WGHT daN
b. DRILL FROM TO HRS RPM WGHT daN
c. CORE FROM TO HRS RPM WGHT daN
7. SP.M x DIA XLENGTH PUMP PRESSURE kPa
8. ANNULAR VELOCITY: DRILL COLLARS m³/min DRILL PIPE m³/min.
9. MUD VIS. WGHT W.L. pH
10. GENERAL COMMENTS: Csg Reports, Cores, DST etc

8 A.M. STATUS: Fishing for drill collar slip die. (8-1/2" x 1" x 1/2").

Times:

Nipple up BOP's
Pressure test
Wait on magnet
Fishing

9 hrs.
1-1/2 hrs.
2-1/2 hrs.
9 hrs.

Fish @ 546m (on top of float collar).
Pressure tested BOP's 1500 and 14,000 Kpa
for 15 minutes. OK. Tested hydril to 7000
Kpa for 15 minutes. OK. Pressure tested
kelly cock and choke manifold to 14,000 Kpa.
OK.

cc: Oakwood (2)

11. MUD ADDITIVES

12. SURVEYS

DEPTH	DEG

13. COSTS

Daily Mud	\$ Nil
Cum. Mud	\$ 962.00
Daily Well	\$ 54,378
Cum. Well	\$ 576,561.00

SULPETRO LIMITED

DAILY DRILLING REPORT

REPORT FROM:Chris. Rodwell.....

TAKEN BY:John Evans..... DATE: ..January 23, 1981.....
 ADDITION

SULPETRO ET AL

1. WELL NAMETROY LAKE P-34..... RIG No.Baltic No. 12.....

2. DEPTH AT 8 A.M.558m..... EST. TD3178..... PROGRESS

3. HOURS ON BOTTOM HOURS TRIPPING

4. BIT No. SIZE AND TYPE JET SIZES:

a. REAM.....FROM.....TO.....HRS.....RPM.....WGHT.....daN

b. DRILL.....FROM.....TO.....HRS.....RPM.....WGHT.....daN

c. CORE.....FROM.....TO.....HRS.....RPM.....WGHT.....daN

5. BIT No. SIZE AND TYPE JET SIZES:

a. REAM.....FROM.....TO.....HRS.....RPM.....WGHT.....daN

b. DRILL.....FROM.....TO.....HRS.....RPM.....WGHT.....daN

c. CORE.....FROM.....TO.....HRS.....RPM.....WGHT.....daN

6. BIT No. SIZE AND TYPE JET SIZES:

a. REAM.....FROM.....TO.....HRS.....RPM.....WGHT.....daN

b. DRILL.....FROM.....TO.....HRS.....RPM.....WGHT.....daN

c. CORE.....FROM.....TO.....HRS.....RPM.....WGHT.....daN

7. SP.Mx DIAXLENGTHPUMP PRESSUREkPa

8. ANNULAR VELOCITY: DRILL COLLARSm³/min DRILL PIPEm³/min.

9. MUD VIS. WGHT W.L. pH

10. GENERAL COMMENTS: Csg Reports, Cores, DST etc

8 A.M. STATUS:

Casing Details:

Ran 47 joints 35.72 Kg/m J-55 ST&C casing. (Total tally 558,85m). Casing landed at 558m K.B. Cemented with 40 tonnes (30.2m³) Oilwell Class "G" plus 2% CaCl₂ @ 1870 Kg/m³. Preflush with 3.1m³ water. Displace with 17.9m³ water. Plug down 1700 hours January 23, 1981 with 5500 Kpa. Float held OK. Good returns to surface of approximately 10m³.

Cut off 4.74m

9:30 P.M. Accident, January 22, 1981: Floorman was on stabbing board to remove Grant rotating head & slipped and cut nose on edge of 508mm conductor barrel. Flown to Ft. St. John for stitches.

cc: Oakwood (2)

11. MUD ADDITIVES	

12. SURVEYS	
DEPTH	DEG

13. COSTS	
Daily Mud	
Cum. Mud	
Daily Well	
Cum. Well	



SULPETRO LIMITED

DAILY DRILLING REPORT

REPORT FROM: ..Chris Rodwell.....

TAKEN BY:.....John Evans..... DATE:January. 23, 1981..

SULPETRO ET AL

1. WELL NAMETROUT LAKE P-34..... RIG No.Baltic No. 12.....

2. DEPTH AT 8 A.M.558..... EST. TD PROGRESSNil.....

3. HOURS ON BOTTOM HOURS TRIPPING1-1/4.....

4. BIT No. SIZE AND TYPE JET SIZES:

a.REAM.....FROM.....TO.....HRS.....RPM.....WGHT.....daN

b.DRILL.....FROM.....TO.....HRS.....RPM.....WGHT.....daN

c.CORE.....FROM.....TO.....HRS.....RPM.....WGHT.....daN

5. BIT No. SIZE AND TYPE JET SIZES:

a.REAM.....FROM.....TO.....HRS.....RPM.....WGHT.....daN

b.DRILL.....FROM.....TO.....HRS.....RPM.....WGHT.....daN

c.CORE.....FROM.....TO.....HRS.....RPM.....WGHT.....daN

6. BIT No. SIZE AND TYPE JET SIZES:

a.REAM.....FROM.....TO.....HRS.....RPM.....WGHT.....daN

b.DRILL.....FROM.....TO.....HRS.....RPM.....WGHT.....daN

c.CORE.....FROM.....TO.....HRS.....RPM.....WGHT.....daN

7. SP.Mx DIAXLENGTHPUMP PRESSUREkPa

8. ANNUAL VELOCITY: DRILL COLLARSm³/min DRILL PIPEm³/min.

9. MUD VIS. WGHT W.L. pH

10. GENERAL COMMENTS: Csg Reports, Cores, DST etc

8 A.M. STATUS: Nipple up BOP's.

Times:

Rig Service

1/4 hr.

Rig to and run casing

5 hrs.

Circulate

1 hr.

Cement casing

1 hr.

Wait on cement and

nipple up BOP's

3-1/2 hrs.

cc: Oakwood (2)

11. MUD ADDITIVES

12. SURVEYS

DEPTH	DEG

13. COSTS

Daily Mud	\$ Nil
Cum. Mud	\$ 962.00
Daily Well	\$ 12,000.00
Cum. Well	\$ 534,183.00

SULPETRO LIMITED
DAILY DRILLING REPORT

REPORT FROM:Chris Rodwell.....
TAKEN BY:John Evans..... DATE:January 22, 1981.....

SULPETRO ET AL

1. WELL NAMETROUT LAKE P-34..... RIG No.Baltic No. 12.....
2. DEPTH AT 8 A.M.558..... EST. TD2178..... PROGRESS 61.....
3. HOURS ON BOTTOM11-3/4..... HOURS TRIPPING6.....
4. BIT No. ...2-A..... SIZE AND TYPE311mm X3A-J..... JET SIZES: ...2-11-9, 1-14, 3.....
 a. REAM.....FROM.....386.....TO.....497.....HRS.....3.....RPM.....70.....WGHT 2-5,000 daN
 b. DRILL61.....FROM.....497.....TO.....558.....HRS 11-3/4.....RPM.....70.....WGHT 12,000 daN
 c. CORE ⁴⁰⁰ FROM TO HRS 58-3/4 RPM WGHT daN
 CUM
5. BIT No. SIZE AND TYPE JET SIZES:
 a. REAM.....FROM.....TO.....HRS.....RPM.....WGHT daN
 b. DRILL.....FROM.....TO.....HRS.....RPM.....WGHT daN
 c. CORE.....FROM.....TO.....HRS.....RPM.....WGHT daN
6. BIT No. SIZE AND TYPE JET SIZES:
 a. REAM.....FROM.....TO.....HRS.....RPM.....WGHT daN
 b. DRILL.....FROM.....TO.....HRS.....RPM.....WGHT daN
 c. CORE.....FROM.....TO.....HRS.....RPM.....WGHT daN
7. SP.M #1.58..... x DIA140.....XLENGTH356.....PUMP PRESSURE7000..... kPa
8. ANNULAR VELOCITY: DRILL COLLARS ¹⁴⁰ 51 m³/min DRILL PIPE ³⁰⁵ 22 m³/min.
9. MUD VIS. 48 WGHT 1175W.L. pH
10. GENERAL COMMENTS: Csg Reports, Cores, DST etc

8 A.M. STATUS:

Pull out of hole to run casing.

Times:

Rig Service	3/4 hr.
Survey	1/2 hr.
Circulate	2 hrs.

cc: Oakwood (2)

11. MUD ADDITIVES	
Gel	20 SXS.

12. SURVEYS	
DEPTH	DEG
515	0
550	1/8

13. COSTS	
Daily Mud	\$ 252.00
Cum. Mud	\$ 962.00
Daily Well	\$ 11,880.00
Cum. Well	\$ 522,183.00



SULPETRO LIMITED

DAILY DRILLING REPORT

REPORT FROM: Chris Rodwell

TAKEN BY: John Evans DATE: January 21, 1981

SULPETRO ET AL

1. WELL NAME TROUT LAKE P-34 RIG No. Baltic No. 12
2. DEPTH AT 8 A.M. 497 EST. TD PROGRESS 142
3. HOURS ON BOTTOM 19-1/4 HOURS TRIPPING 1
4. BIT No. 2-A SIZE AND TYPE 311mm X3A-J JET SIZES: 2-11.9mm, 1-14.3mm
- a. REAM FROM TO HRS RPM WGHT daN
- b. DRILL 142 FROM 355 TO 497 HRS 19-1/4 RPM 60-70 WGHT 10,000 daN
- c. CORE 339 FROM TO HRS 47 RPM WGHT daN
5. BIT No. CUM SIZE AND TYPE JET SIZES:
- a. REAM FROM TO HRS RPM WGHT daN
- b. DRILL FROM TO HRS RPM WGHT daN
- c. CORE FROM TO HRS RPM WGHT daN
6. BIT No. SIZE AND TYPE JET SIZES:
- a. REAM FROM TO HRS RPM WGHT daN
- b. DRILL FROM TO HRS RPM WGHT daN
- c. CORE FROM TO HRS RPM WGHT daN
7. SP.M 58 x DIA 140 XLENGTH 356 PUMP PRESSURE 7000 kPa
8. ANNULAR VELOCITY: DRILL COLLARS 44 m³/min DRILL PIPE 22 m³/min
9. MUD VIS. 35 WGHT 1100 W.L. pH
10. GENERAL COMMENTS: Csg Reports, Cores, DST etc

8 A.M. STATUS:

Trip for new bit.

Times:

Rig Service

1/4 hr.

Survey

2-1/4 hrs.

Rig Repair

1-1/4 hr.

cc: Oakwood

11. MUD ADDITIVES

12. SURVEYS

DEPTH	DEG
376	1/8
420	0
459	0
497	1/8

13. COSTS

Daily Mud	\$ Nil
Cum. Mud	\$ 710.00
Daily Well	\$ 12,959.00
Cum. Well	\$ 510,303.00



DAILY DRILLING REPORT

REPORT FROM: Bruce Gilberston.....

TAKEN BY: John Evans..... DATE: January 20, 1981.....

SULPETRO ET AL

1. WELL NAME TROUT LAKE P-34..... RIG No. Baltic No. 12.....
2. DEPTH AT 8 A.M. 355..... EST. TD 2178..... PROGRESS 191.....
3. HOURS ON BOTTOM 2-1/4..... HOURS TRIPPING 1/2.....
4. BIT No. 2-A..... SIZE AND TYPE 311mm X3A..... JET SIZES: .. 2-11.9, 1-4.3.....
- a. REAM.....FROM.....TO.....HRS.....RPM.....WGHT.....daN
- b. DRILL 191...FROM... 164.....TO... 355...HRS... 20-1/4...RPM..... 60...WGHT 8-10,000daN
- c. CORE.....FROM.....TO.....HRS.....RPM.....WGHT.....daN
5. BIT No. SIZE AND TYPE JET SIZES:
- a. REAM.....FROM.....TO.....HRS.....RPM.....WGHT.....daN
- b. DRILL.....FROM.....TO.....HRS.....RPM.....WGHT.....daN
- c. CORE.....FROM.....TO.....HRS.....RPM.....WGHT.....daN
6. BIT No. SIZE AND TYPE JET SIZES:
- a. REAM.....FROM.....TO.....HRS.....RPM.....WGHT.....daN
- b. DRILL.....FROM.....TO.....HRS.....RPM.....WGHT.....daN
- c. CORE.....FROM.....TO.....HRS.....RPM.....WGHT.....daN
7. SP.M 58..... x DIA 140...XLENGTH 356...PUMP PRESSURE 7000..... kPa
8. ANNULAR VELOCITY: DRILL COLLARS 44..... m³/min DRILL PIPE 22..... m³/min.
9. MUD VIS. 30..... WGHT 1090..... W.L. pH
10. GENERAL COMMENTS: Csg Reports, Cores, DST etc

8 A.M. STATUS:

Drilling.

Times:

Rig Service

Survey

3/4 hr.

2-1/2 hrs.

cc: Oakwood (2)

11. MUD ADDITIVES

Bicarb	2 sxs.

12. SURVEYS

DEPTH	DEG
200	7/8
230	7/8
267	1/4
305	0
335	1/8

13. COSTS

Daily Mud	\$ 60.00
Cum. Mud	\$ 710.00
Daily Well	\$ 29,733.00
Cum. Well	\$ 497,244.00



SULPETRO LIMITED

DAILY DRILLING REPORT

REPORT FROM: Bruce Gilbertson

TAKEN BY: John Evans DATE: January 19, 1981

- SULPETRO ET AL
1. WELL NAME TROUT LAKE P-34 RIG No. Baltic No. 12
2. DEPTH AT 8 A.M. 164 EST. TD PROGRESS 5.5
3. HOURS ON BOTTOM 7-1/2 HOURS TRIPPING 2
4. BIT No. 2-A SIZE AND TYPE 311mm X3A JET SIZES: 2-11.9, 1-14.3
- a. REAM FROM TO HRS RPM WGHT daN
- b. DRILL 5.5 FROM 158.5 TO 164 HRS 7-1/2 RPM 40 WGHT 4000 daN
- c. CORE FROM TO HRS RPM WGHT daN
5. BIT No. SIZE AND TYPE JET SIZES:
- a. REAM FROM TO HRS RPM WGHT daN
- b. DRILL FROM TO HRS RPM WGHT daN
- c. CORE FROM TO HRS RPM WGHT daN
6. BIT No. SIZE AND TYPE JET SIZES:
- a. REAM FROM TO HRS RPM WGHT daN
- b. DRILL FROM TO HRS RPM WGHT daN
- c. CORE FROM TO HRS RPM WGHT daN
7. SP.M 60 x DIA 140 XLENGTH 356 PUMP PRESSURE 3000 kPa
8. ANNULAR VELOCITY: DRILL COLLARS 31 m³/min DRILL PIPE m³/min.
9. MUD VIS. Water WGHT W.L. pH
10. GENERAL COMMENTS: Csg Reports, Cores, DST etc

8 A.M. STATUS:

Drilling.

Times:

Nipple up BOP's

10 hrs.

Pressure test

1 hr.

Rig repair

3 hrs.

Clean mud tank

1/2 hr.

cc: Oakwood (2)

11. MUD ADDITIVES

12. SURVEYS

DEPTH	DEG

13. COSTS

Daily Mud	\$ Nil
Cum. Mud	\$ 650.00
Daily Well	\$ 22,189.00
Cum. Well	\$ 467,611.00



SULPETRO LIMITED

DAILY DRILLING REPORT

REPORT FROM: Bruce Gilbertson

TAKEN BY: Kevin McGuire DATE: January 18, 1981

SULPETRO ET AL

1. WELL NAME TROUT LAKE P-34 RIG No. Baltic No. 12

2. DEPTH AT 8 A.M. 158,5 EST. TD PROGRESS Nil

3. HOURS ON BOTTOM Nil HOURS TRIPPING 4-1/4

4. BIT No. 1-A SIZE AND TYPE 444,5mm. OSC-3J JET SIZES: 3-12,7

a. REAM FROM TO HRS RPM WGHT daN

b. DRILL FROM TO HRS RPM WGHT daN

c. CORE FROM TO HRS RPM WGHT daN

5. BIT No. SIZE AND TYPE JET SIZES:

a. REAM FROM TO HRS RPM WGHT daN

b. DRILL FROM TO HRS RPM WGHT daN

c. CORE FROM TO HRS RPM WGHT daN

6. BIT No. SIZE AND TYPE JET SIZES:

a. REAM FROM TO HRS RPM WGHT daN

b. DRILL FROM TO HRS RPM WGHT daN

c. CORE FROM TO HRS RPM WGHT daN

7. SP.M 60 x DIA 140 XLENGTH 356 PUMP PRESSURE 4000 kPa

8. ANNULAR VELOCITY: DRILL COLLARS m³/min DRILL PIPE m³/min.

9. MUD VIS. 65 WGHT 1110 W.L. pH

10. GENERAL COMMENTS: Csg Reports, Cores, DST etc

8 A.M. STATUS:

Nipple up BOP's.

Times:

Trip 2-1/4 hrs.
Run casing 2-1/2 hrs.
Circulate 1-1/4 hrs.
Cement 1 hr.
Wait on cement 9 hrs.
Head up 8 hrs.

Casing:

Ran 14 joints 339.7mm H-40 casing. (71.43 Kg/m)
Float collar welded on with gist bars.
Centralizers on joints 1, 3 and 5. Cemented
with 20 tonnes of Glass "G" with 2% calcium.
Plug down 1500 hours January 17, 1981. Float
held good. 4m³ of good cement returns. Landed
at 158.5m.

cc: Oakwood (2)

11. MUD ADDITIVES

12. SURVEYS

DEPTH	DEG

13. COSTS

Daily Mud	\$ Nil
Cum. Mud	\$ 650.00
Daily Well	\$ 36,653.00
Cum. Well	\$ 445,422.00



SULPETRO LIMITED

DAILY DRILLING REPORT

REPORT FROM: Bruce Gilbertson

TAKEN BY: Kevin McGuire DATE: January 17, 1981

SULPETRO ET AL

1. WELL NAME TROUT LAKE P-34 RIG No. Baltic No. 12

2. DEPTH AT 8 A.M. 158.5 EST. TD 2178 PROGRESS 41.5

3. HOURS ON BOTTOM 6 HOURS TRIPPING 5

4. BIT No. 1-A SIZE AND TYPE 445mm OSC-3J JET SIZES: 3-12.7

a. REAM FROM TO HRS RPM WGHT daN

b. DRILL 41.5 FROM 17 TO 158.5 HRS 6 RPM 60 WGHT 8000 daN

c. CORE FROM TO HRS RPM WGHT daN

5. BIT No. SIZE AND TYPE JET SIZES:

a. REAM FROM TO HRS RPM WGHT daN

b. DRILL FROM TO HRS RPM WGHT daN

c. CORE FROM TO HRS RPM WGHT daN

6. BIT No. SIZE AND TYPE JET SIZES:

a. REAM FROM TO HRS RPM WGHT daN

b. DRILL FROM TO HRS RPM WGHT daN

c. CORE FROM TO HRS RPM WGHT daN

7. S.P.M. 60 x DIA 140 XLENGTH 356 PUMP PRESSURE 4000 kPa

8. ANNULAR VELOCITY: DRILL COLLARS m³/min DRILL PIPE m³/min.

9. MUD VIS. 55 WGHT 1110 W.L. pH

10. GENERAL COMMENTS: Csg Reports, Cores, DST etc

8 A.M. STATUS:

Circulate prior to running 340mm casing.

Times:

Circulate and condition hole)
Run 340mm casing)
Attempt to work casing)
past tight spot at 23m) 13 hrs.
Pull 340mm casing and trip in)
with bit)

cc: Oakwood (2)

11. MUD ADDITIVES

12. SURVEYS

DEPTH	DEG
131	1/2
158	3/4

13. COSTS

Daily Mud	\$ Nil
Cum. Mud	\$ 650.00
Daily Well	\$ 12,022.00
Cum. Well	\$ 408,769.00

SULPETRO LIMITED

DAILY DRILLING REPORT

REPORT FROM: Bruce Gilbertson
 TAKEN BY: Janice Bagwell DATE: January 16, 1981

SULPETRO ET AL

1. WELL NAME TROUT LAKE P-34 RIG No. Baltic No. 12
2. DEPTH AT 8 A.M. 117 EST. TD 2178 PROGRESS 117
3. HOURS ON BOTTOM 19-1/2 HOURS TRIPPING Nil
4. BIT No. 1-A ... SIZE AND TYPE 444.5mm OSC-3J JET SIZES: ... 3-12.7mm
- a. REAM FROM TO HRS RPM WGHT daN
- b. DRILL 117 FROM 0 TO 117 HRS 19-1/2 RPM 60 WGHT 8000 daN
- c. CORE FROM TO HRS RPM WGHT daN
5. BIT No. SIZE AND TYPE JET SIZES:
- a. REAM FROM TO HRS RPM WGHT daN
- b. DRILL FROM TO HRS RPM WGHT daN
- c. CORE FROM TO HRS RPM WGHT daN
6. BIT No. SIZE AND TYPE JET SIZES:
- a. REAM FROM TO HRS RPM WGHT daN
- b. DRILL FROM TO HRS RPM WGHT daN
- c. CORE FROM TO HRS RPM WGHT daN
7. SP.M 60 x DIA 140 XLENGTH 356 PUMP PRESSURE 4000 kPa
8. ANNULAR VELOCITY: DRILL COLLARS m³/min DRILL PIPE m³/min.
9. MUD VIS. 55 WGHT 110 W.L. pH
10. GENERAL COMMENTS: Csg Reports, Cores, DST etc

8 A.M. STATUS: Drilling.

Times:

Survey	3/4 hr.
Conservation Board rig inspection	1/2 hr.
Rig to spud	2-1/2 hrs.
Wait on orders	3/4 hrs.

Spud: 10:30 A.M. January 15, 1981.

cc: Oakwood (2)

11. MUD ADDITIVES	

12. SURVEYS	
DEPTH	DEG
36	1/8
55	3/4
93	1/2

13. COSTS	
Daily Mud	\$ 650.00
Cum. Mud	\$ 650.00
Daily Well	\$ 18,954.00
Cum. Well	\$ 396,747.00



SULPETRO LIMITED

DAILY DRILLING REPORT

REPORT FROM: Bruce Gilbertston

TAKEN BY: Janice Bagwell DATE: January 15, 1981

SULPETRO ET AL

1. WELL NAME TROUT LAKE P-34 RIG No. Baltic 12

2. DEPTH AT 6 A.M. EST. TD PROGRESS

3. HOURS ON BOTTOM HOURS TRIPPING

4. BIT No. SIZE AND TYPE JET SIZES:

a. REAM FROM TO HRS RPM WGHT daN

b. DRILL FROM TO HRS RPM WGHT daN

c. CORE FROM TO HRS RPM WGHT daN

5. BIT No. SIZE AND TYPE JET SIZES:

a. REAM FROM TO HRS RPM WGHT daN

b. DRILL FROM TO HRS RPM WGHT daN

c. CORE FROM TO HRS RPM WGHT daN

6. BIT No. SIZE AND TYPE JET SIZES:

a. REAM FROM TO HRS RPM WGHT daN

b. DRILL FROM TO HRS RPM WGHT daN

c. CORE FROM TO HRS RPM WGHT daN

7. SP.M x DIA XLENGTH PUMP PRESSURE kPa

8. ANNULAR VELOCITY: DRILL COLLARS m³/min DRILL PIPE m³/min.

9. MUD VIS. WGHT W.L. pH

10. GENERAL COMMENTS: Csg Reports, Cores, DST etc

8 A.M. STATUS: Preparing to spud.
Cement conductor barrel -41 sxs. Class "G" plus 3% CaCl₂.
Finished at 1145 AM 81-01-14.

cc: Oakwood (2)

11. MUD ADDITIVES

12. SURVEYS

DEPTH	DEG

13. COSTS

Daily Mud	
Cum. Mud	
Daily Well	
Cum. Well	



SULPETRO LIMITED

DAILY DRILLING REPORT

REPORT FROM: ... Bruce Gilbertson

TAKEN BY: ... Steve Dole DATE: ... January 14, 1981

TROUT LAKE

1. WELL NAME ... R-34 RIG No. ... Baltic 12

2. DEPTH AT 8 A.M. EST. TD PROGRESS

3. HOURS ON BOTTOM HOURS TRIPPING

4. BIT No. SIZE AND TYPE JET SIZES:

a. REAM FROM TO HRS RPM WGHT daN

b. DRILL FROM TO HRS RPM WGHT daN

c. CORE FROM TO HRS RPM WGHT daN

5. BIT No. SIZE AND TYPE JET SIZES:

a. REAM FROM TO HRS RPM WGHT daN

b. DRILL FROM TO HRS RPM WGHT daN

c. CORE FROM TO HRS RPM WGHT daN

6. BIT No. SIZE AND TYPE JET SIZES:

a. REAM FROM TO HRS RPM WGHT daN

b. DRILL FROM TO HRS RPM WGHT daN

c. CORE FROM TO HRS RPM WGHT daN

7. SP.M x DIA XLENGTH PUMP PRESSURE kPa

8. ANNULAR VELOCITY: DRILL COLLARS m³/min DRILL PIPE m³/min.

9. MUD VIS. WGHT W.L. pH

10. GENERAL COMMENTS: Csg Reports, Cores, DST etc

8 A.M. STATUS:

Waiting on cementing equipment.

cc: Oakwood (2)

11. MUD ADDITIVES

12. SURVEYS

DEPTH	DEG

13. COSTS

Daily Mud	
Cum. Mud	
Daily Well	\$ 10,000
Cum. Well	\$ 210,000



SULPETRO LIMITED

DAILY DRILLING REPORT

REPORT FROM: Bruce Gilbertson
TAKEN BY: Lori Gaspari DATE: January 13, 1981

1. WELL NAME TROUT LAKE P-34 RIG No. Blatic 12
2. DEPTH AT 8 A.M. EST. TD PROGRESS
3. HOURS ON BOTTOM HOURS TRIPPING
4. BIT No. SIZE AND TYPE JET SIZES:
- a. REAM FROM TO HRS RPM WGHT daN
- b. DRILL FROM TO HRS RPM WGHT daN
- c. CORE FROM TO HRS RPM WGHT daN
5. BIT No. SIZE AND TYPE JET SIZES:
- a. REAM FROM TO HRS RPM WGHT daN
- b. DRILL FROM TO HRS RPM WGHT daN
- c. CORE FROM TO HRS RPM WGHT daN
6. BIT No. SIZE AND TYPE JET SIZES:
- a. REAM FROM TO HRS RPM WGHT daN
- b. DRILL FROM TO HRS RPM WGHT daN
- c. CORE FROM TO HRS RPM WGHT daN
7. SP.M x DIA x LENGTH PUMP PRESSURE kPa
8. ANNULAR VELOCITY: DRILL COLLARS m³/min DRILL PIPE m³/min.
9. MUD VIS. WGHT W.L. pH
10. GENERAL COMMENTS: Csg Reports, Cores, DST etc

8 A.M. STATUS:

W.O. Cementing equipment.

Wait on cementing truck and bulk cement to arrive from High Level. to re-cement washed out 508mm conductor barrel.

cc: Oakwood(2)

11. MUD ADDITIVES

12. SURVEYS

DEPTH	DEG

13. COSTS

Daily Mud	
Cum. Mud	
Daily Well	
Cum. Well	



SULPETRO LIMITED

DAILY DRILLING REPORT

REPORT FROM: Bruce Gilbertson

TAKEN BY: John Evans DATE: January 11, 1981

1. WELL NAME ... TROUT LAKE.. P-34 RIG No. ... Baltic 12
2. DEPTH AT 8 A.M. EST. TD 2178 PROGRESS
3. HOURS ON BOTTOM HOURS TRIPPING
4. BIT No. SIZE AND TYPE JET SIZES:
a. REAM FROM TO HRS RPM WGHT daN
b. DRILL FROM TO HRS RPM WGHT daN
c. CORE FROM TO HRS RPM WGHT daN
5. BIT No. SIZE AND TYPE JET SIZES:
a. REAM FROM TO HRS RPM WGHT daN
b. DRILL FROM TO HRS RPM WGHT daN
c. CORE FROM TO HRS RPM WGHT daN
6. BIT No. SIZE AND TYPE JET SIZES:
a. REAM FROM TO HRS RPM WGHT daN
b. DRILL FROM TO HRS RPM WGHT daN
c. CORE FROM TO HRS RPM WGHT daN
7. SP.M x DIA XLENGTH PUMP PRESSURE kPa
8. ANNULAR VELOCITY: DRILL COLLARS m³/min DRILL PIPE m³/min.
9. MUD VISC WGHT W.L. pH
10. GENERAL COMMENTS: Csg Reports, Cores, DST etc
8 A.M. STATUS:

Rig up Rotary Tool.

cc: Oakwood (2)

11. MUD ADDITIVES	

12. SURVEYS	
DEPTH	DEG

13. COSTS	
Daily Mud	
Cum. Mud	
Daily Well	
Cum. Well	



SULPETRO LIMITED

DAILY DRILLING REPORT

REPORT FROM: Bruce Gilbertson

TAKEN BY: John Evans DATE: ... January 10, 1981

1. WELL NAME TROUT LAKE P-34 RIG No. Baltic 12

2. DEPTH AT 8 A.M. EST. TD 2178 PROGRESS

3. HOURS ON BOTTOM HOURS TRIPPING

4. BIT No. SIZE AND TYPE JET SIZES:

a. REAM FROM TO HRS RPM WGHT daN

b. DRILL FROM TO HRS RPM WGHT daN

c. CORE FROM TO HRS RPM WGHT daN

5. BIT No. SIZE AND TYPE JET SIZES:

a. REAM FROM TO HRS RPM WGHT daN

b. DRILL FROM TO HRS RPM WGHT daN

c. CORE FROM TO HRS RPM WGHT daN

6. BIT No. SIZE AND TYPE JET SIZES:

a. REAM FROM TO HRS RPM WGHT daN

b. DRILL FROM TO HRS RPM WGHT daN

c. CORE FROM TO HRS RPM WGHT daN

7. SP.M x DIA XLENGTH PUMP PRESSURE kPa

8. ANNULAR VELOCITY: DRILL COLLARS m³/min DRILL PIPE m³/min.

9. MUD VIS. WGHT W.L. pH

10. GENERAL COMMENTS: Csg Reports, Cores, DST etc

8 A.M. STATUS:

Rig up Rotary Tool.

cc: Oakwood (2)

11. MUD ADDITIVES	

12. SURVEYS	
DEPTH	DEG

13. COSTS	
Daily Mud	
Cum. Mud	
Daily Well	
Cum. Well	



SULPETRO LIMITED

DAILY DRILLING REPORT

REPORT FROM: Bruce Gilbertson
TAKEN BY: John Evans DATE: January 9, 1981

SULPETRO ET AL

TROUT LAKE P-34

Baltic No. 2

1. WELL NAME RIG No.
2. DEPTH AT 8 A.M. EST. TD PROGRESS
3. HOURS ON BOTTOM HOURS TRIPPING
4. BIT No. SIZE AND TYPE JET SIZES:
- a. REAM FROM TO HRS RPM WGHT daN
- b. DRILL FROM TO HRS RPM WGHT daN
- c. CORE FROM TO HRS RPM WGHT daN
5. BIT No. SIZE AND TYPE JET SIZES:
- a. REAM FROM TO HRS RPM WGHT daN
- b. DRILL FROM TO HRS RPM WGHT daN
- c. CORE FROM TO HRS RPM WGHT daN
6. BIT No. SIZE AND TYPE JET SIZES:
- a. REAM FROM TO HRS RPM WGHT daN
- b. DRILL FROM TO HRS RPM WGHT daN
- c. CORE FROM TO HRS RPM WGHT daN
7. SP.M x DIA XLENGTH PUMP PRESSURE kPa
8. ANNULAR VELOCITY: DRILL COLLARS m³/min DRILL PIPE m³/min.
9. MUD VIS. WGHT W.L. pH
10. GENERAL COMMENTS: Csg Reports, Cores, DST etc
- 8 A.M. STATUS: Rigging up rotary tool.

cc: Oakwood

11. MUD ADDITIVES

12. SURVEYS

DEPTH	DEG

13. COSTS

Daily Mud	
Cum. Mud	
Daily Well	
Cum. Well	\$ 19,000.00

LYNES UNITED SERVICES LTD.

DRILLSTEM TEST SUMMARY REPORT

Date: 81 02 18

Well name: SULPETRO ET AL TROUT LAKE P-34
Location: 400/ 60.235 / 123.056 /00

Licence no. 46424
Ticket no. 46424

DST number 001 LYNES test #1 Test number 1 of 1 (on same trip)
Test type: INFLATE STRADDLE

Kelly bushings (M): 535.50 Ground elevation (M): 530.00
Interval from (M): 1925.00
to (M): 1945.00 Total depth (M): 2126.00

Formation: FORMATION NOT AVAILABLE

TIME AND PRESSURE DATA

Recorder #015836

	TIMES (min)	PRESSURES (kPa)		TIMES (min)	PRESSURES (kPa)
1st flow	5.	2445.0			
		5523.0	2nd flow	120.	17465.0
1st shutin	60.	17657.0	2nd shutin	120.	17535.0
3rd flow			4th flow		
3rd shutin			4th shutin		
Initial hydrostatic		20527.0	Final hydrostatic		20527.0

GENERAL REMARKS

Test results suggest HIGH PERMEABILITY within the interval tested.
Initial shut-in stabilized in 25 minutes at 17 657.00 kPa; therefore no extrapolation was performed.
Final shut-in stabilized immediately at 17 535.00 kPa.
Recorder #15833 - clock slow; no initial shut-in available.

LYNES UNITED SERVICES LTD.

TEST RECOVERY DATA

Blow description:

Weak initial puff increasing to strong air blow at end of preflow.

Strong air blow on final flow, gas to surface in 90 minutes with weak 60 cm flare. Too small to measure.

GAS MEASUREMENTS:

Measured with:

Riser (mm):

TIME (min)	SURF. CHOKE (mm)	READING (kPa)	CUBIC METRES/D
------------	------------------	---------------	----------------

NO GAS
MEASUREMENTS

Liquid recovery:

For DST# 001 through DST# 001

Amount (M) Of
1580.00 SULPHUROUS SALT WATER.

-Total recovery (M): 1580.00

Reversed out: NO

Salinity (g/M3):

146000.

Bottom hole sampler# 108
Sent to: C & G

Gas bomb# 6737
Sent to:

No. of fluid samples: 3
Sent to: C & G

GENERAL DATA

Inhibitor amount (M):

Cushion type:

Liquid amount (M):
Gas pressure (kPa):

Started in hole:

1100 Hrs.

Opened tool at:

1805 Hrs.

MUD AND HOLE DATA

Hole condition @ test time: GOOD
Conditioned prior to test: NO

Calipered hole size @ test depth (mm)

Mud type: GEL CHEMICAL
Viscosity (sec/l): 60.0
Filter cake (mm): 1.5

Mud weight (kg/M3): 1060.00
Water loss (cm3): 8.5
Reservoir temperature (C):
Recorder temperature (C): 107.8

Pipe size (mm)	Type	Weight (kg/M)
114.3	NO DP-TYPE AVAILABLE	24.70

Collar size (mm)	Type	Int. diameter (mm)	Length (M)
158.0	NO DP-TYPE AVAILABLE	71.0	132.00

BTM choke size (mm): 25.4
Rat hole size (mm):
Main hole size (mm): 200.0

Rat hole length (M):

Total number of packers run: 2

Mailing Data

Company: SULPETRO OF CANADA LTD.
Address: 3200 BOW VALLEY SQ 3
255 - 5TH AVE. S.W.
CALGARY, ALBERTA
T2P 3G6

Reports sent to: MR. JOHN EVANS

Number of Reports: 5

WELL NAME: SULPETRO ET AL TROUT LAKE P-34
WELL LOCATION: 400/ 60.235 / 123.056 /00
DST NUMBER: 001
RECORDER NUMBER: 015836
INTERVAL TESTED: 1925.00M TO 1945.00M
RECORDER DEPTH: 1927.00M
TOTAL FLOW TIME: 5.MIN

FIRST SHUT IN PRESSURE (LIQUID)

TIME (MIN) PHI	(T+PHI) /PHI	PRESSURE (KPa)
.0	.0000	5523.0
2.0	3.5000	17325.0
4.0	2.2500	17500.0
6.0	1.8333	17552.0
8.0	1.6250	17570.0
10.0	1.5000	17579.0
12.0	1.4167	17587.0
14.0	1.3571	17605.0
16.0	1.3125	17622.0
18.0	1.2778	17640.0
20.0	1.2500	17649.0
25.0	1.2000	17657.0
30.0	1.1667	17657.0
35.0	1.1429	17657.0
40.0	1.1250	17657.0
45.0	1.1111	17657.0
50.0	1.1000	17657.0
55.0	1.0909	17657.0
60.0	1.0833	17657.0

* VALUES USED IN HORNER ANALYSIS

SLOPE:

EXTRAPOLATED PRESSURE:

HORNER PLOT

TEST DATE: 81 02 18

WELL NAME: SWLPETRO ET AL TROUT LAKE #34
 LOG# LOG: 4007 60.235 / 123.055 / 00
 DIST NO: 001 REC NO: 015836 FIRST SHOOT IN

EXTRAPOLATED PRESSURE:

SLOPE:

5.0 MIN

100

50

25

10
TIME (T+ΔT)/ΔT

5

2.5

17300

17400

17500

17600

17700

17800

17900

PRESSURE KPA LIQUID

LYNES UNITED SERVICES LTD.

RECORDER PAGE

WELL NAME : SULPETRO ET AL TROUT LAKE P-34
 LOCATION : 400/ 60.235 / 123.056 /00
 DST NUMBER : 001

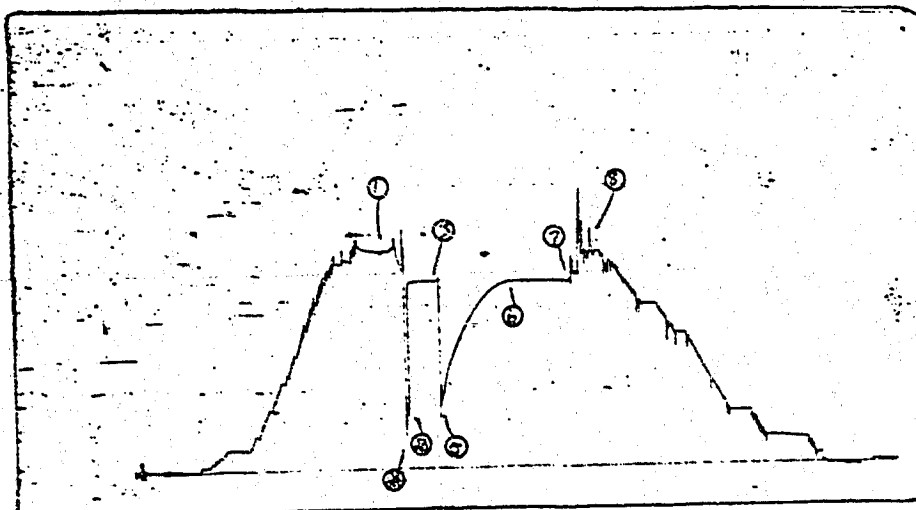
RECORDER NUMBER: 015836 TYPE: K3
 DEPTH : 1927.00 m INSIDE/OUTSIDE: OUTSIDE
 CAPACITY: 41369.00 kPa

	TIMES (MIN)	PRESSURES (kPa)
INITIAL FLOW	5.	2445.00
INITIAL SHUTIN	60.	5523.00
		17657.00
FINAL FLOW	120.	4854.00
FINAL SHUTIN	120.	17465.00
		17535.00

INITIAL HYDROSTATIC: 20527.0

FINAL HYDROSTATIC: 20527.0

- 1 --- INITIAL HYDROSTATIC
- 2a --- START OF PREFLOW
- 2b --- END OF PREFLOW
- 3 --- INITIAL SHUT-IN
- 4a --- START OF 2nd FLOW
- 4b --- END OF 2nd FLOW
- 4c --- 2nd SHUT-IN
- 5 --- START OF FINAL FLOW
- 6 --- END OF FINAL FLOW
- 7 --- FINAL SHUT-IN
- 8 --- FINAL HYDROSTATIC



RECORDER PAGE

WELL NAME : SULPETRO ET AL TROUT LAKE P-34
 LOCATION : 400/ 60.235 / 123.056 /00
 DST NUMBER : 001

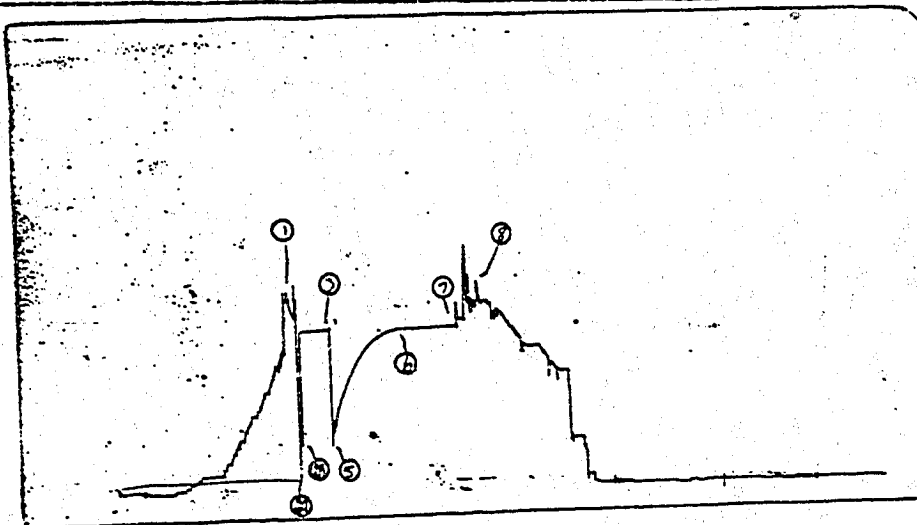
RECORDER NUMBER: 008952 TYPE: K3
 DEPTH : 1927.00 m INSIDE/OUTSIDE: OUTSIDE
 CAPACITY: 48263.00 kPa

	TIMES (MIN)	PRESSURES (kPa)
INITIAL FLOW	5.	2766.00
INITIAL SHUTIN	60.	5311.00
		17578.00
FINAL FLOW	120.	5111.00
FINAL SHUTIN	120.	17438.00
		17538.00

INITIAL HYDROSTATIC: 20424.0

FINAL HYDROSTATIC: 20424.0

- 1 --- INITIAL HYDROSTATIC
- 2a --- START OF PREFLOW
- 2b --- END OF PREFLOW
- 3 --- INITIAL SHUT-IN
- 4a --- START OF 2nd FLOW
- 4b --- END OF 2nd FLOW
- 4c --- 2nd SHUT-IN
- 5 --- START OF FINAL FLOW
- 6 --- END OF FINAL FLOW
- 7 --- FINAL SHUT-IN
- 8 --- FINAL HYDROSTATIC



RECORDER PAGE

WELL NAME : SULPETRO ET AL TROUT LAKE P-34
 LOCATION : 400/ 60.235 / 123.056 /00
 DST NUMBER : 001

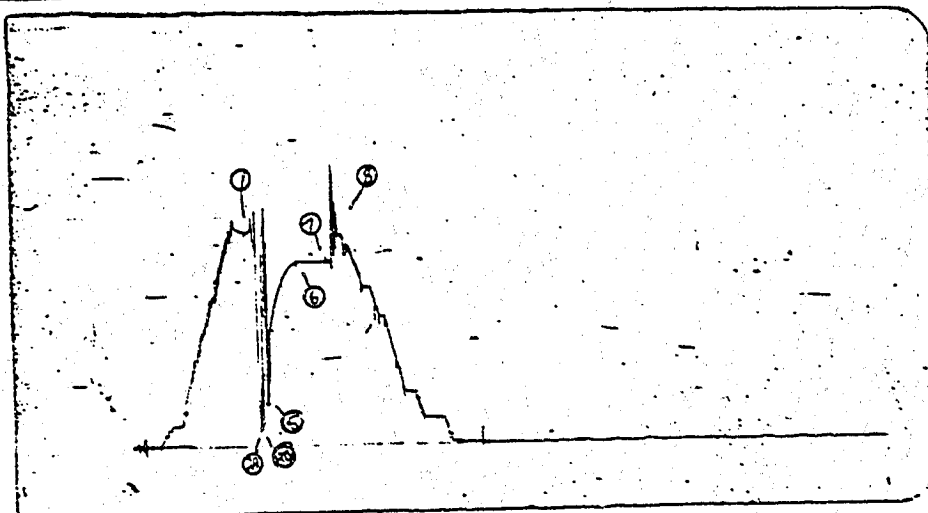
RECORDER NUMBER: 015833 TYPE: K3
 DEPTH : 1916.00 m INSIDE/OUTSIDE: INSIDE
 CAPACITY: 42403.00 kPa

	TIMES (MIN)	PRESSURES (kPa)
INITIAL FLOW	5.	1249.00
INITIAL SHUTIN	60.	2111.00
		3816.00
FINAL FLOW	120.	17309.00
FINAL SHUTIN	120.	17398.00

INITIAL HYDROSTATIC: 20327.0

FINAL HYDROSTATIC: 20006.0

- 1 --- INITIAL HYDROSTATIC
- 2a --- START OF PREFLOW
- 2b --- END OF PREFLOW
- 3 --- INITIAL SHUT-IN
- 4a --- START OF 2nd FLOW
- 4b --- END OF 2nd FLOW
- 4c --- 2nd SHUT-IN
- 5 --- START OF FINAL FLOW
- 6 --- END OF FINAL FLOW
- 7 --- FINAL SHUT-IN
- 8 --- FINAL HYDROSTATIC



LYNES UNITED SERVICES LTD.

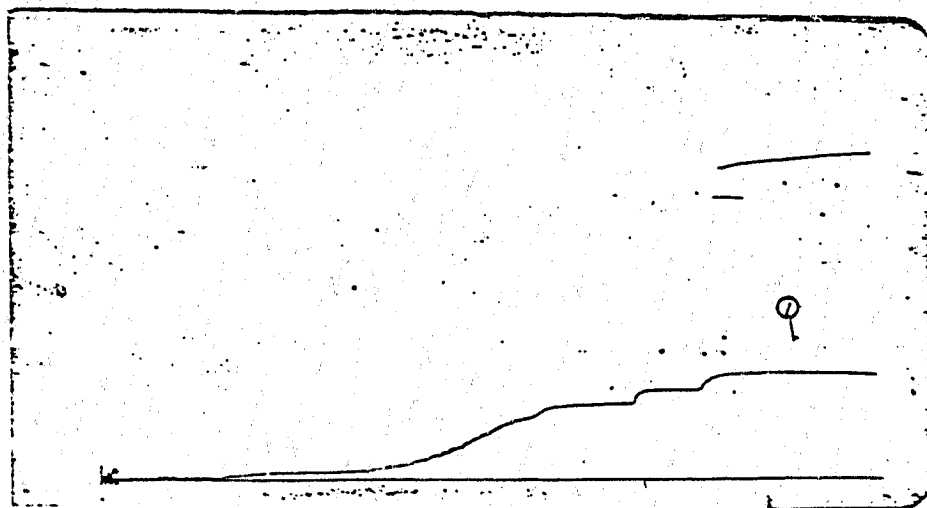
RECORDER PAGE

WELL NAME : SULPETRO ET AL TROUT LAKE P-34
LOCATION : 400/ 60.235 / 123.056 /00
DST NUMBER : 001

RECORDER NUMBER: 009009 TYPE: K3
DEPTH : 1927.00 m INSIDE/OUTSIDE: OUTSIDE
TEMP. RANGE: 4.44 - 162.78 C

TEMPERATURE AT TEST DEPTH

107.75 C



LYNES UNITED SERVICES LTD.

DRILLSTEM TEST SUMMARY REPORT

Date: 81 02 19

Well name: SULPETRO ET AL TROUT LAKE P-34
Location: 400/ 60.235 / 123.056 /00

Licence no. 46424
Ticket no. 46425

DST number 002 LYNES test #2 Test number 1 of 1 (on same trip)
Test type: INFLATE STRADDLE

Kelly bushing (M): 535.50 Ground elevation (M): 530.00
Interval from (M): 2015.00
 to (M): 2023.00 Total depth (M): 2126.00

Formation: ELK POINT GROUP

TIME AND PRESSURE DATA

Recorder #015833

TIMES (min)	PRESSURES (kPa)	TIMES (min)	PRESSURES (kPa)
1st flow		2nd flow	
1st shutin		2nd shutin	
3rd flow		4th flow	
3rd shutin		4th shutin	
Initial hydrostatic		Final hydrostatic	

GENERAL REMARKS

Misrun - hole bridged off, unable to reach test depth.

LYNES UNITED SERVICES LTD.

TEST RECOVERY DATA

Blow description:

Misrun.

GAS MEASUREMENTS:

Measured with:

Riser (mm):

TIME (min) SURF. CHOKE (mm)

READING (kPa)

CUBIC METRES/D

NO GAS
MEASUREMENTS

Liquid recovery:

Amount (M) Of

For DST# 002 through DST# 902

Total recovery (M): .00

Reversed out: NO

Salinity (g/M3):

Bottom hole sampler#

Sent to:

Gas bomb#

Sent to:

No. of fluid samples:

Sent to:

GENERAL DATA

Inhibitor amount (M):

Cushion type:

Liquid amount (M):

Gas pressure (kPa):

Started in hole:

1200 Hrs.

Opened tool at:

Hrs.

MUD AND HOLE DATA

Hole condition at test time: GOOD

Conditioned prior to test: NO

Calipered hole size at test depth (mm)

210.0

Mud type: GEL CHEMICAL

Mud weight (kg/M3): 1025.00

Viscosity (sec/l): 60.0

Water loss (cm3): 8.5

Filter cake (mm): 1.5

Reservoir temperature (C):

Recorder temperature (C):

Pipe size (mm)

Type

Weight (kg/M)

114.3

NO DP-TYPE AVAILABLE

24.70

Collar size (mm)

Type

Int. diameter (mm)

Length (M)

158.8

NO DP-TYPE AVAILABLE

71.0

121.94

BTM choke size (mm): 25.4

Rat hole size (mm):

Rat hole length (M):

Main hole size (mm): 200.0

Total number of packers run: 2

Mailing Data

Company: SULPETRO OF CANADA LTD.

Address: 3200 30W VALLEY SQ 3

255 - 5TH AVE. S.W.

CALGARY, ALBERTA

T2P 3G6

Reports sent to: JOHN EVANS

Number of Reports: 5

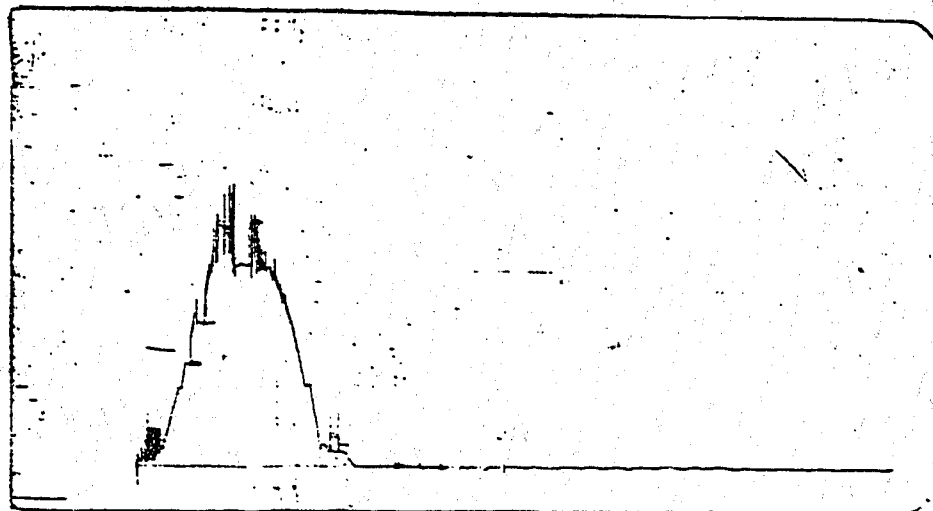
LYNES UNITED SERVICES LTD.

RECORDER PAGE

WELL NAME : SULPETRO ET AL TROUT LAKE P-34
LOCATION : 400/ 60.235 / 123.056 /00
DST NUMBER : 002

RECORDER NUMBER: 015833 TYPE: K-3
DEPTH : m INSIDE/OUTSIDE: OUTSIDE
CAPACITY: 42403.00 kPa

- 1 --- INITIAL HYDROSTATIC
- 2a --- START OF PREFLOW
- 2b --- END OF PREFLOW
- 3 --- INITIAL SHUT-IN
- 4a --- START OF 2nd FLOW
- 4b --- END OF 2nd FLOW
- 4c --- 2nd SHUT-IN
- 5 --- START OF FINAL FLOW
- 6 --- END OF FINAL FLOW
- 7 --- FINAL SHUT-IN
- 8 --- FINAL HYDROSTATIC



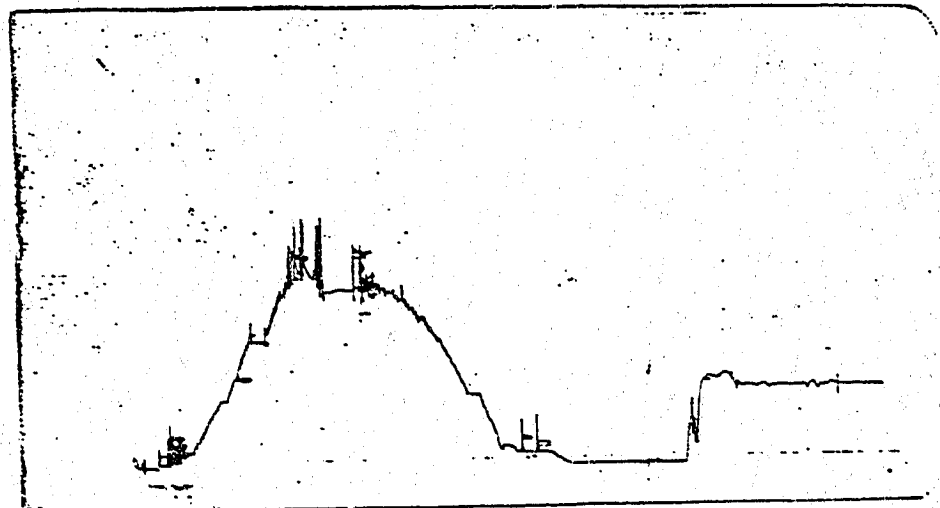
LYNES UNITED SERVICES LTD.

RECORDER PAGE

WELL NAME : SULPETRO ET AL TROUT LAKE P-34
LOCATION : 400/ 60.235 / 123.056 /00
DST NUMBER : 002

RECORDER NUMBER: 008952 TYPE: K-3
DEPTH : INSIDE/OUTSIDE: OUTSIDE
CAPACITY: 48263.00 kPa

- 1 --- INITIAL HYDROSTATIC
- 2a --- START OF PREFLOW
- 2b --- END OF PREFLOW
- 3 --- INITIAL SHUT-IN
- 4a --- START OF 2nd FLOW
- 4b --- END OF 2nd FLOW
- 4c --- 2nd SHUT-IN
- 5 --- START OF FINAL FLOW
- 6 --- END OF FINAL FLOW
- 7 --- FINAL SHUT-IN
- 8 --- FINAL HYDROSTATIC



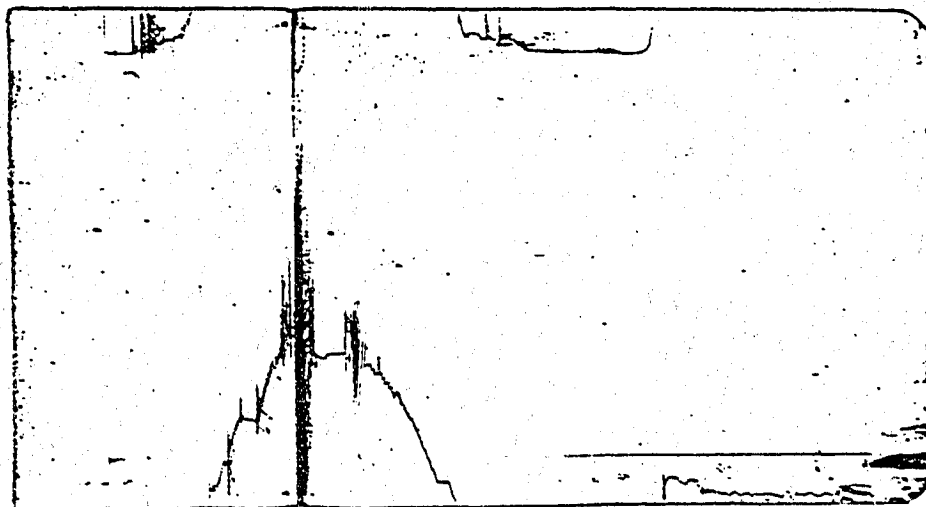
LYNES UNITED SERVICES LTD.

RECORDER PAGE

WELL NAME : SULPETRO ET AL TROUT LAKE P-34
 LOCATION : 400/ 60.235 / 123.056 /00
 DST NUMBER : 002

RECORDER NUMBER: 015836 TYPE: K-3
 DEPTH : m INSIDE/OUTSIDE: INSIDE
 CAPACITY: 41369.00 kPa

- 1 --- INITIAL HYDROSTATIC
- 2a --- START OF PREFLOW
- 2b --- END OF PREFLOW
- 3 --- INITIAL SHUT-IN
- 4a --- START OF 2nd FLOW
- 4b --- END OF 2nd FLOW
- 4c --- 2nd SHUT-IN
- 5 --- START OF FINAL FLOW
- 6 --- END OF FINAL FLOW
- 7 --- FINAL SHUT-IN
- 8 --- FINAL HYDROSTATIC



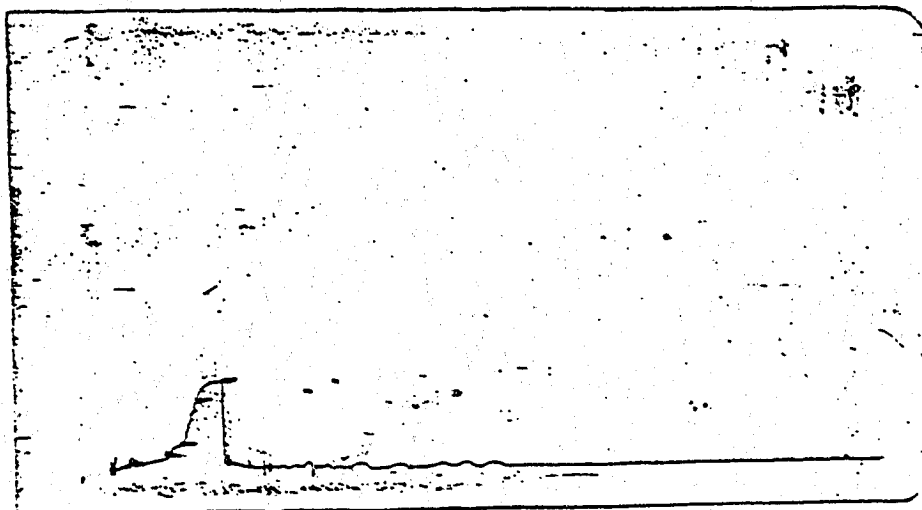
LYNES UNITED SERVICES LTD.

RECORDER PAGE

WELL NAME : SULPETRO ET AL TROUT LAKE P-34
LOCATION : 400/ 60.235 / 123.056 /00
DST NUMBER : 002

RECORDER NUMBER: 009009
DEPTH :

TYPE: K-3
INSIDE/OUTSIDE: OUTSIDE
TEMP. RANGE: 4.44 - 162.78 C



LYNES UNITED SERVICES LTD.

DRILLSTEM TEST SUMMARY REPORT

Date: 81 02 21

Well name: SULPETRO ET AL TROUT LAKE P-34
Location: 400/ 60.235 / 123.056 /00

Licence no. 46424
Ticket no. 46645

DST number 003 LYNES test #3 Test number 1 of 1 (on same trip)
Test type: INFLATE STRADDLE

Kelly bushing (M): 535.50 Ground elevation (M): 530.00
Interval from (M): 1275.00
to (M): 1280.00 Total depth (M): 2126.00

Formation: FORMATION NOT AVAILABLE

TIME AND PRESSURE DATA

Recorder #007311

	TIMES (min)	PRESSURES (kPa)		TIMES (min)	PRESSURES (kPa)
1st flow	5.	202.0	2nd flow	120.	281.0
		220.0			273.0
1st shutin	60.	237.0	2nd shutin	120.	264.0
3rd flow			4th flow		
3rd shutin			4th shutin		
Initial hydrostatic		13530.0	Final hydrostatic		13530.0

GENERAL REMARKS

Test results indicate a mechanically successful test, bottom hole pressures and the shape of the shut-in curves suggest VIRTUALLY NO PERMEABILITY within the interval tested.

LYNES UNITED SERVICES LTD.

TEST RECOVERY DATA

Blow description:

Few bubbles on preflow then decreasing to nil.
No blow on final flow.

GAS MEASUREMENTS:

Measured with:

Riser (mm):

TIME (min)	SURF. CHOKE (mm)	READING (kPa)	CUBIC METRES/D
------------	------------------	---------------	----------------

NO GAS
MEASUREMENTS

Liquid recovery:

For DST# 3 through DST# 3

Amount (M) Of
1.00 CLOBBBERED DRILLING MUD.

Total recovery (M): 1.00

Reversed out: NO

Salinity (g/M3): 2000.

Bottom hole sampler# 71

Sent to: C & G

Gas bomb#

Sent to:

No. of fluid samples: 1

Sent to: C & G

GENERAL DATA

Inhibitor amount (M):

Cushion type:

Liquid amount (M):
Gas pressure (kPa):

Started in hole:
Opened tool at:

1620 Hrs.
2047 Hrs.

MUD AND HOLE DATA

Hole condition @ test time: GOOD
Conditioned prior to test: YES

Calipered hole size @ test depth (mm) 220.0

Mud type: GEL CHEMICAL
Viscosity (sec/l): 100.0
Filter cake (mm): 1.5

Mud weight (kg/M3): 1085.00
Water loss (cm3): 8.5
Reservoir temperature (C):
Recorder temperature (C): 58.3

Pipe size (mm)	Type	Weight (kg/M)
114.3	NO DP-TYPE AVAILABLE	24.70

Collar size (mm)	Type	Int. diameter (mm)	Length (M)
158.0	NO DP-TYPE AVAILABLE	71.0	121.94

BTM choke size (mm): 25.4
Rat hole size (mm):
Main hole size (mm): 200.0

Rat hole length (M):

Total number of packers run: 2

Mailing Data

Company: SULPETRO OF CANADA LTD.
Address: 3200 BOW VALLEY SQ 3
255 - 5TH AVE. S.W.
CALGARY, ALBERTA
T2P 3G6

Reports sent to: MR. JOHN EVANS

Number of Reports: 5

LYNES UNITED SERVICES LTD.

RECORDER PAGE

WELL NAME : SULPETRO ET AL TROUT LAKE P-34
 LOCATION : 400/ 60.235 / 123.056 /00
 DST NUMBER : 003

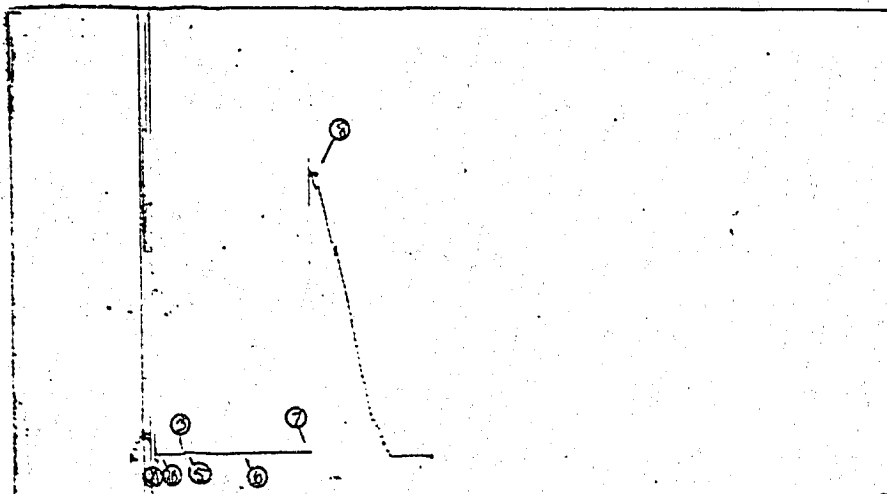
RECORDER NUMBER: 007311 TYPE: K3
 DEPTH : 1277.00 m INSIDE/OUTSIDE: OUTSIDE
 CAPACITY: 21029.00 kPa

	TIMES (MIN)	PRESSURES (kPa)
INITIAL FLOW	5.	202.00
INITIAL SHUTIN	60.	220.00
		237.00
FINAL FLOW	120.	281.00
FINAL SHUTIN	120.	273.00
		264.00

INITIAL HYDROSTATIC: 13530.0

FINAL HYDROSTATIC: 13530.0

- 1 --- INITIAL HYDROSTATIC
- 2a --- START OF PREFLOW
- 2b --- END OF PREFLOW
- 3 --- INITIAL SHUT-IN
- 4a --- START OF 2nd FLOW
- 4b --- END OF 2nd FLOW
- 4c --- 2nd SHUT-IN
- 5 --- START OF FINAL FLOW
- 6 --- END OF FINAL FLOW
- 7 --- FINAL SHUT-IN
- 8 --- FINAL HYDROSTATIC



LYNES UNITED SERVICES LTD.

RECORDER PAGE

WELL NAME : SULPETRO ET AL TROUT LAKE P-34
 LOCATION : 400/ 60.235 / 123.056 /00
 DST NUMBER : 003

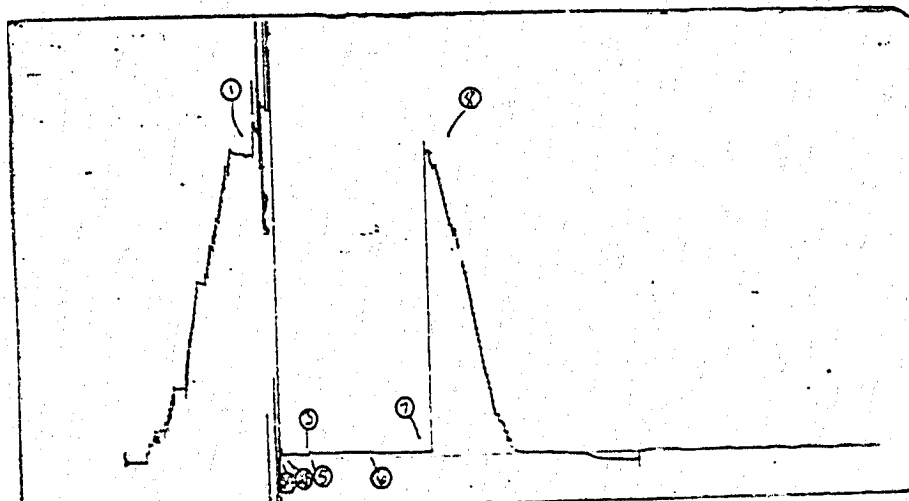
RECORDER NUMBER: 013128 TYPE: K3
 DEPTH : 1277.00 m INSIDE/OUTSIDE: OUTSIDE
 CAPACITY: 19305.00 kPa

	TIMES (MIN)	PRESSURES (kPa)
INITIAL FLOW	5.	177.00
INITIAL SHUTIN	60.	185.00
		185.00
		226.00
FINAL FLOW	120.	218.00
FINAL SHUTIN	120.	177.00

INITIAL HYDROSTATIC: 13536.0

FINAL HYDROSTATIC: 13536.0

- 1 --- INITIAL HYDROSTATIC
- 2a --- START OF PREFLOW
- 2b --- END OF PREFLOW
- 3 --- INITIAL SHUT-IN
- 4a --- START OF 2nd FLOW
- 4b --- END OF 2nd FLOW
- 4c --- 2nd SHUT-IN
- 5 --- START OF FINAL FLOW
- 6 --- END OF FINAL FLOW
- 7 --- FINAL SHUT-IN
- 8 --- FINAL HYDROSTATIC



LYNES UNITED SERVICES LTD.

RECORDER PAGE

WELL NAME : SULPETRO ET AL TROUT LAKE P-34
 LOCATION : 400/ 60.235 / 123.056 /00
 TEST NUMBER : 003

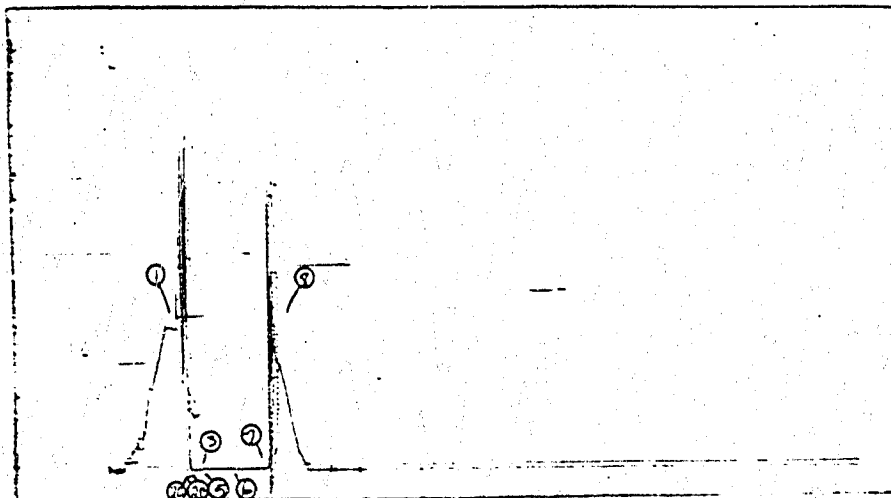
RECORDER NUMBER: 015836 TYPE: K3
 DEPTH : 1266.00 m INSIDE/OUTSIDE: INSIDE
 CAPACITY: 41364.00 kPa

	TIMES (MIN)	PRESSURES (kPa)
INITIAL FLOW	5.	106.00
INITIAL SHUTIN	60.	70.00
		106.00
FINAL FLOW	120.	141.00
FINAL SHUTIN	120.	141.00
		176.00

INITIAL HYDROSTATIC: 13493.0

FINAL HYDROSTATIC: 13493.0

- 1 --- INITIAL HYDROSTATIC
- 2a --- START OF PREFLOW
- 2b --- END OF PREFLOW
- 3 --- INITIAL SHUT-IN
- 4a --- START OF 2nd FLOW
- 4b --- END OF 2nd FLOW
- 4c --- 2nd SHUT-IN
- 5 --- START OF FINAL FLOW
- 6 --- END OF FINAL FLOW
- 7 --- FINAL SHUT-IN
- 8 --- FINAL HYDROSTATIC



LYNES UNITED SERVICES LTD.

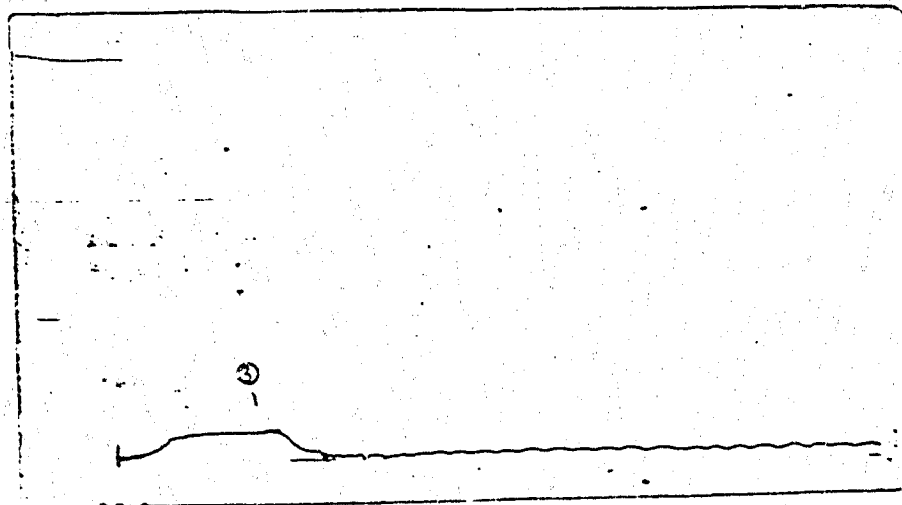
RECORDER PAGE

WELL NAME : SULPETRO ET AL TROUT LAKE P-34
LOCATION : 100/ 60.235 / 123.056 /00
DST NUMBER : 003

RECORDER NUMBER: 009009 TYPE: K3
DEPTH : 1277.00 m INSIDE/OUTSIDE: OUTSIDE
TEMP. RANGE: 4.44 - 167.80 C

TEMPERATURE AT TEST DEPTH

58.30 C





CHEMICAL & GEOLOGICAL LABORATORIES LTD.
EDMONTON FORT ST. JOHN CALGARY



CONTAINER IDENTITY

GAS ANALYSIS

LABORATORY NUMBER

6737

E81-17573-5

LOCATION NUMBER

OPERATOR NAME

SULPETRO LIMITED

LOCATION

WELL NAME

P-34 (NWT)

SULPETRO ET AL. TROUT LAKE P-34 (NWT)

ELEVATION
E.B. (FEET) GRD.

535.5 530.

FIELD OR AREA

POOL OR ZONE

NAME OF SAMPLER

TROUT LAKE

DOLOMITE POROSITY

COMPANY

LYNES UNITED
SERVICES LTD.

TEST TYPE

NO.

TEST RECOVERY

DST

1

1500 M SULPHUROUS SALT WATER

MULTIPLE
RECOVERY

☒

SAMPLING POINT

AMT. & TYPE OF CUSHION

MUD RESISTIVITY

FLARELINE

TYPE OF PRODUCTION

PUMPING

FLOWING

GAS LIFT

SWAB

PRODUCTION RATES

WATER

m³/d

OIL

m³/d

GAS

10³ m³/d

CONTAINER

RECEIVED

GAUGE PRESSURE

SPa

SEPARATOR

TREATER

RESERVOIR

SOURCE

SAMPLED

CONTAINER

RECEIVED

30

TEMPERATURE

°C

SEPARATOR

TREATER

RESERVOIR

SOURCE

SAMPLED

CONTAINER

RECEIVED

21

DATE SAMPLER (Y-M-D)

DATE RECEIVED (Y-M-D)

DATE REPORTED (Y-M-D)

ANALYST

OTHER INFORMATION

81/02/18

81/02/27

81/03/13

J.C.

COMP.	MOLE FRACTION		PETROLEUM LIQUID CONTENT
	AIR FREE AS RECEIVED	AIR FREE ACID GAS FREE	
H ₂	0.0067	0.0082	$\frac{g}{m^3}$
H ₂	0.0013	0.0016	
N ₂	0.0290	0.0355	
CO ₂	0.1832	0.0000	
H ₂ S	0.0000	0.0000	
C ₁	0.7794	0.9542	
C ₂	0.0004	0.0005	0.0
C ₃	0.0000	0.0000	
IC ₄	0.0000	0.0000	
NC ₄	0.0000	0.0000	
IC ₅	0.0000	0.0000	
NC ₅	0.0000	0.0000	
C ₆	0.0000	0.0000	
C ₇	0.0000	0.0000	
C ₈	0.0000	0.0000	
C ₉	0.0000	0.0000	
C ₁₀₊	0.0000	0.0000	
TOTAL	1.0000	1.0000	0.0

GROSS HEATING VALUE MJ/m³
1PC AND 101.325 kPa

MOISTURE AND ACID GAS FREE

MEASURED

CALCULATED

DETERMINED

DEW POINT

VAPOUR PRESSURE

PENTANES PLUS

36.15

°C

0. sp.

RELATIVE DENSITY

MOISTURE FREE AS SAMPLED

MEASURED

CALCULATED

MOISTURE AND ACID GAS FREE

MEASURED

CALCULATED

INSUFFICIENT

0.759

0.564

PSEUDO CRITICAL PROPERTIES (CALCULATED)

pPc (atm)

AS SAMPLED

pTc

pPc (atm)

ACID GAS FREE

pTc

5079. sp.

208.6

4562. sp.

187.2

H₂S g/m³

0.00

RELATIVE MOLECULAR MASS

Total Gas

21.43

C₁

0.00

C5+ ML/MGL 0.000

GROSS HEATING VALUE AS PER AGA REPORT #5

29.55 MJ/M³ @ 150 AND 101.325 KPA

LYNES UNITED SERVICES LTD.

DRILLSTEM TEST SUMMARY REPORT

Date: 81 02 18

Well name: SULPETRO ET AL TROUT LAKE P-34
Location: 400/ 60.235 / 123.056 /00

Licence no. 46424
Ticket no. 46424

DST number 001 LYNES test #1 Test number 1 of 1 (on same trip)
Test type: INFLATE STRADDLE

Kelly bushings (M): 535.50 Ground elevation (M): 530.00
Interval from (M): 1925.00
to (M): 1945.00 Total depth (M): 2126.00

Formation: FORMATION NOT AVAILABLE

TIME AND PRESSURE DATA

Recorder #015833

	TIMES (min)	PRESSURES (kPa)		TIMES (min)	PRESSURES (kPa)
1st flow	5.	5523.0	2nd flow	120.	17465.0
1st shutin	60.	17657.0	2nd shutin	120.	17535.0
3rd flow			4th flow		
3rd shutin			4th shutin		
Initial hydrostatic		20527.0	Final hydrostatic		20527.0

GENERAL REMARKS

Test results suggest HIGH PERMEABILITY within the interval tested.
Initial shut-in stabilized in 25 minutes at 17 657.00 kPa; therefore no extrapolation was performed.
Final shut-in stabilized immediately at 17 535.00 kPa.
Recorder #15833 - clock slow; no initial shut-in available.

LYNES UNITED SERVICES LTD.

TEST RECOVERY DATA

Blow description:

Weak initial puff increasing to strong air blow at end of preflow.

Strong air blow on final flow, gas to surface in 90 minutes with weak 60 cm flare. Too small to measure.

GAS MEASUREMENTS:

Measured with:

Riser (mm):

TIME (min)	SURF. CHOKE (mm)	READING (kPa)	CUBIC METRES/D
------------	------------------	---------------	----------------

NO GAS
MEASUREMENTS

Liquid recovery:

For DST# 001 through DST# 001

Amount (M) Of

1580.00 SULPHUROUS SALT WATER.

Total recovery (M): 1580.00

Reversed out: NO

Salinity (g/M3):

146000.

Bottom hole sampler#

108

Sent to:

C & G

Gas bomb#

6737

Sent to:

No. of fluid samples:

3

Sent to:

C & G

GENERAL DATA

Inhibitor amount (M):

Cushion type:

Liquid amount (M):

Gas pressure (kPa):

Started in hole:

1100 Hrs.

Opened tool at:

1805 Hrs.

MUD AND HOLE DATA

Hole condition @ test time: GOOD

Conditioned prior to test: NO

Calipered hole size @ test depth (mm)

Mud type: GEL CHEMICAL

Viscosity (sec/l): 60.0

Filter cake (mm): 1.5

Mud weight (kg/M3): 1060.00

Water loss (cm3): 8.5

Reservoir temperature (C):

Recorder temperature (C): 107.8

Pipe size (mm)

Type

Weight (kg/M)

114.3

NO DP-TYPE AVAILABLE

24.70

Collar size (mm)

Type

Int. diameter (mm)

Length (M)

158.0

NO DP-TYPE AVAILABLE

71.0

132.00

BTM choke size (mm): 25.4

Rat hole size (mm):

Rat hole length (M):

Main hole size (mm): 200.0

Total number of packers run: 2

Mailing Data

Company: SULPETRO OF CANADA LTD.

Address: 3200 90W VALLEY SQ 3

255 - 5TH AVE. S.W.

CALGARY, ALBERTA

T2P 3G6

Reports sent to: MR. JOHN EVANS

Number of Reports: 5

WELL NAME: SULPETRO ET AL TROUT LAKE P-34
WELL LOCATION: 400 / 60.235 / 123.056 / 00
DST NUMBER: 001
RECORDER NUMBER: 015836
INTERVAL TESTED: 1925.00M TO 1945.00M
RECORDER DEPTH: 1927.00M
TOTAL FLOW TIME: 5. MIN

FIRST SHUT IN PRESSURE (LIQUID)

TIME (MIN) PHI	(T+PHI) /PHI	PRESSURE (KPa)
.0	.0000	5523.0
2.0	3.5000	17325.0
4.0	2.2500	17500.0
6.0	1.8333	17552.0
8.0	1.6250	17570.0
10.0	1.5000	17579.0
12.0	1.4167	17587.0
14.0	1.3571	17605.0
16.0	1.3125	17622.0
18.0	1.2778	17640.0
20.0	1.2500	17649.0
25.0	1.2000	17657.0
30.0	1.1667	17657.0
35.0	1.1429	17657.0
40.0	1.1250	17657.0
45.0	1.1111	17657.0
50.0	1.1000	17657.0
55.0	1.0909	17657.0
60.0	1.0833	17657.0

* VALUES USED IN HORNER ANALYSIS

SLOPE:

EXTRAPOLATED PRESSURE:

HORNER PLOT

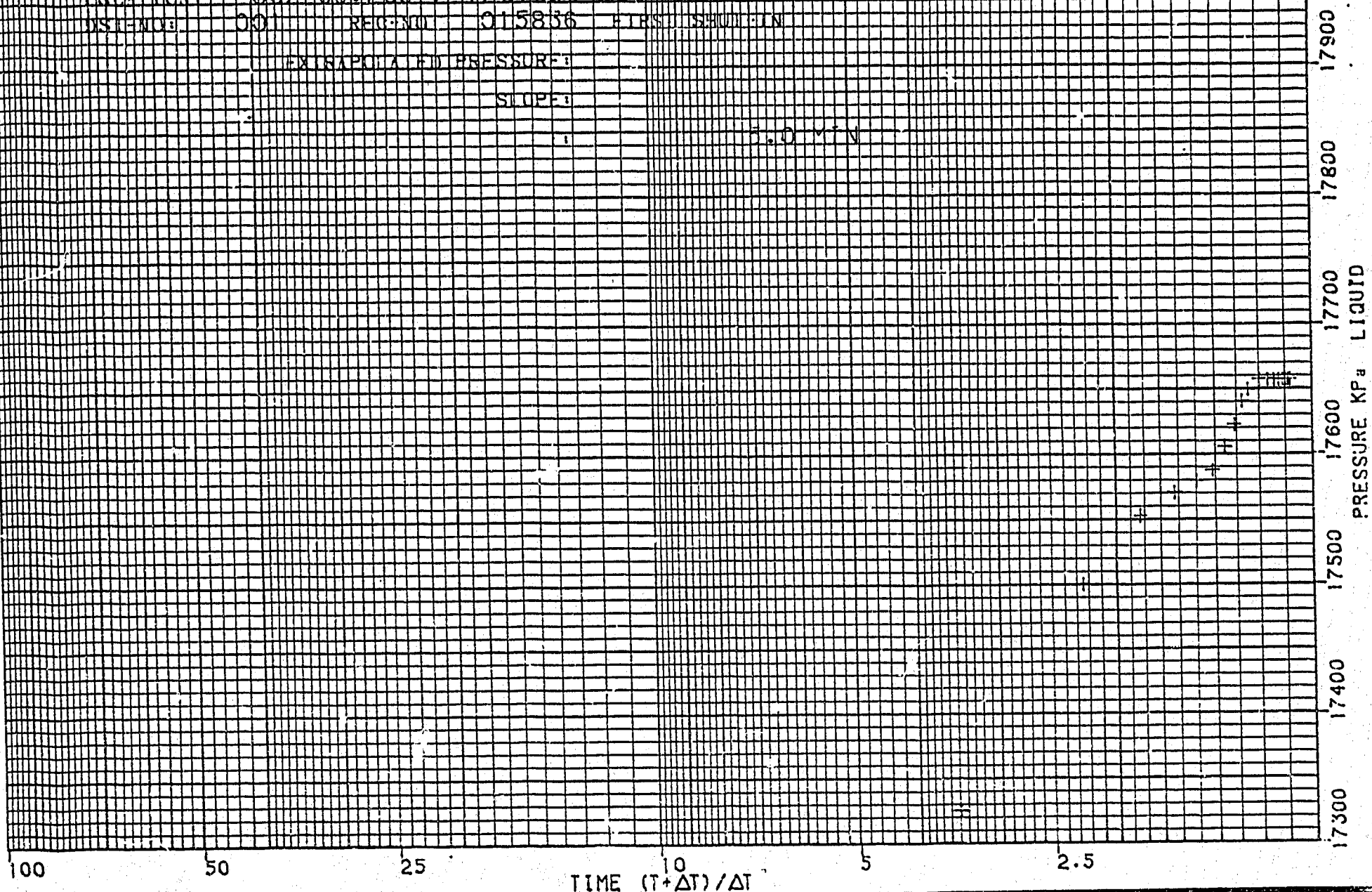
TEST DATE: 81 02 18

WELL NAME: SULPETRO ET AL TROUT LAKE #34
 DATE/TIME: 4007 160.255 / 123.056 / 00
 DISTANCE: 00 REC NO: 015836 FIRST SHOOT: IN

EXTRAPOLATED PRESSURE:

SLOPE:

5.0 MIN



LYNES UNITED SERVICES LTD.

RECORDER PAGE

WELL NAME : SULPETRO ET AL TROUT LAKE P-34
 LOCATION : 400/ 60.235 / 123.056 /00
 DST NUMBER : 001

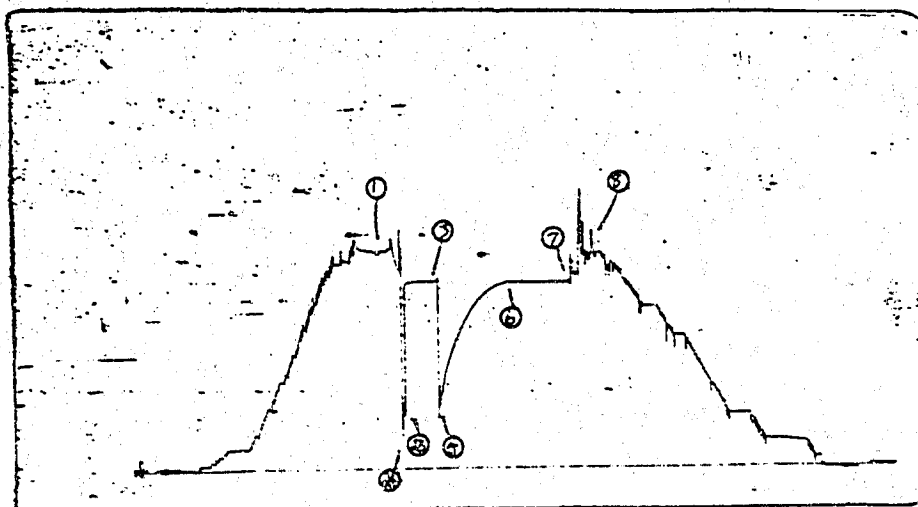
RECORDER NUMBER: 015836 TYPE: K3
 DEPTH : 1927.00 m INSIDE/OUTSIDE: OUTSIDE
 CAPACITY: 41369.00 kPa

	TIMES (MIN)	PRESSURES (kPa)
INITIAL FLOW	5.	2445.00
INITIAL SHUTIN	60.	5523.00
		17657.00
FINAL FLOW	120.	4854.00
FINAL SHUTIN	120.	17465.00
		17535.00

INITIAL HYDROSTATIC: 20527.0

FINAL HYDROSTATIC: 20527.0

- 1 --- INITIAL HYDROSTATIC
- 2a --- START OF PREFLOW
- 2b --- END OF PREFLOW
- 3 --- INITIAL SHUT-IN
- 4a --- START OF 2nd FLOW
- 4b --- END OF 2nd FLOW
- 4c --- 2nd SHUT-IN
- 5 --- START OF FINAL FLOW
- 6 --- END OF FINAL FLOW
- 7 --- FINAL SHUT-IN
- 8 --- FINAL HYDROSTATIC



RECORDER PAGE

WELL NAME : SULPETRO ET AL TROUT LAKE P-34
 LOCATION : 400/ 60.235 / 123.056 /00
 DST NUMBER : 001

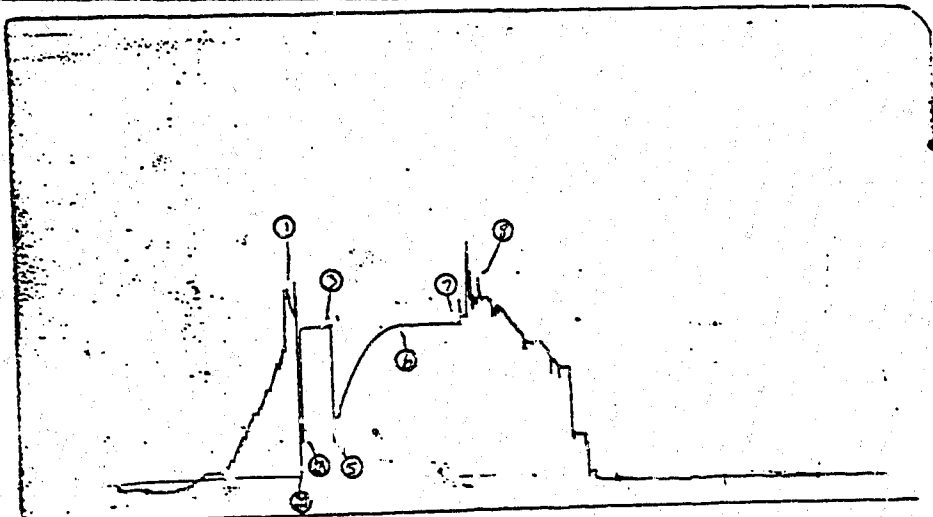
RECORDER NUMBER: 008952 TYPE: K3
 DEPTH : 1927.00 m INSIDE/OUTSIDE: OUTSIDE
 CAPACITY: 48263.00 kPa

	TIMES (MIN)	PRESSURES (kPa)
INITIAL FLOW	5.	2766.00
INITIAL SHUTIN	60.	5311.00
		17578.00
FINAL FLOW	120.	5111.00
FINAL SHUTIN	120.	17438.00
		17538.00

INITIAL HYDROSTATIC: 20424.0

FINAL HYDROSTATIC: 20424.0

- 1 --- INITIAL HYDROSTATIC
- 2a --- START OF PREFLOW
- 2b --- END OF PREFLOW
- 3 --- INITIAL SHUT-IN
- 4a --- START OF 2nd FLOW
- 4b --- END OF 2nd FLOW
- 4c --- 2nd SHUT-IN
- 5 --- START OF FINAL FLOW
- 6 --- END OF FINAL FLOW
- 7 --- FINAL SHUT-IN
- 8 --- FINAL HYDROSTATIC



LYNES UNITED SERVICES LTD.

RECORDER PAGE

WELL NAME : SULPETRO ET AL TROUT LAKE P-34
 LOCATION : 400/ 60.235 / 123.056 /00
 DST NUMBER : 001

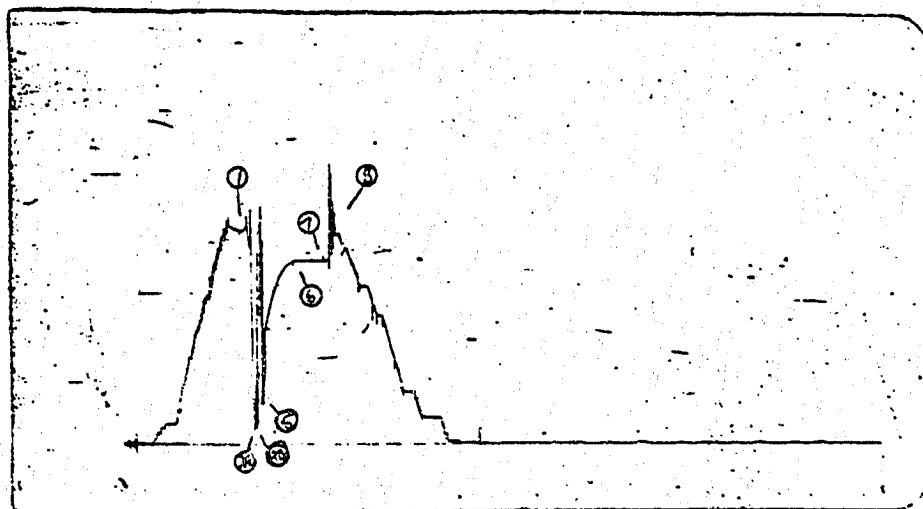
RECORDER NUMBER: 015833 TYPE: K3
 DEPTH : 1916.00 m INSIDE/OUTSIDE: INSIDE
 CAPACITY: 42403.00 kPa

	TIMES (MIN)	PRESSURES (kPa)
INITIAL FLOW	5.	1249.00
INITIAL SHUTIN	60.	2111.00
FINAL FLOW	120.	3816.00
FINAL SHUTIN	120.	17309.00
		17398.00

INITIAL HYDROSTATIC: 20327.0

FINAL HYDROSTATIC: 20006.0

- 1 --- INITIAL HYDROSTATIC
- 2a --- START OF PREFLOW
- 2b --- END OF PREFLOW
- 3 --- INITIAL SHUT-IN
- 4a --- START OF 2nd FLOW
- 4b --- END OF 2nd FLOW
- 4c --- 2nd SHUT-IN
- 5 --- START OF FINAL FLOW
- 6 --- END OF FINAL FLOW
- 7 --- FINAL SHUT-IN
- 8 --- FINAL HYDROSTATIC



LYNES UNITED SERVICES LTD.

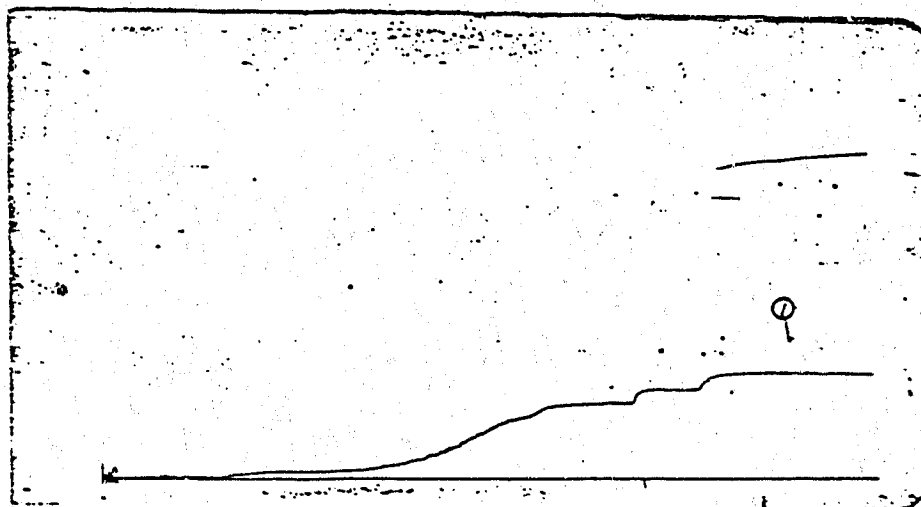
RECORDER PAGE

WELL NAME : SULPETRO ET AL TROUT LAKE P-34
LOCATION : 400/ 60.235 / 123.056 /00
DST NUMBER : 001

RECORDER NUMBER: 009009 TYPE: K3
DEPTH : 1927.00 m INSIDE/OUTSIDE: OUTSIDE
TEMP. RANGE: 4.44 - 162.78 C

TEMPERATURE AT TEST DEPTH

107.75 C





CONTAINER IDENTITY

CHEMICAL & GEOLOGICAL LABORATORIES LTD.

EDMONTON FORT ST. JOHN CALGARY



LABORATORY NUMBER

E81-17573-2

WATER ANALYSIS

LICENCE NUMBER

OPERATOR NAME

SULPETRO LIMITED

LOCATION

WELL NAME

P-34 (NWT)

SULPETRO ET AL TROUT LAKE P-34 (NWT)

ELEVATIONS

535.5

530.

FIELD OR AREA

POOL OR ZONE

NAME OF SAMPLER

COMPANY

TROUT LAKE

DOLOMITE POROSITY

LYNES UNITED
SERVICES LTD.

TEST TYPE

NO.

TEST RECOVERY

DST

1

1580 M SULPHUROUS SALT WATER

MULTIPLE
RECOVERY

Y

X

SAMPLING POINT

AMT. & TYPE OF CUSHION

MUD RESISTIVITY

TOP OF TOOL

@ 25°C

Test Interval (metres)

1925 - 1945

TYPE OF PRODUCTION

PUMPING

FLOWING

GAS LIFT

SWAB

PRODUCTION RATES

WATER

m³/d

OIL

m³/d

GAS

10³m³/d

Perforations (metres)

GAUGE PRESSURE

kPa

SEPARATOR

TREATER

RESERVOIR

SOURCE

SEPARATOR

TREATER

RESERVOIR

SOURCE

TEMPERATURE

°C

DATE SAMPLED (Y-M-D)

DATE RECEIVED (Y-M-D)

DATE REPORTED (Y-M-D)

ANALYST

OTHER INFORMATION

81/02/18

81/02/27

81/03/13

A.L.

ION	$\frac{m \cdot V^{-1}}{g \cdot m^{-3}}$	Mass Fraction	$\frac{c}{mol \cdot m^{-3}}$	ION	$\frac{m \cdot V^{-1}}{g \cdot m^{-3}}$	Mass Fraction	$\frac{c}{mol \cdot m^{-3}}$
Na	42 476	0.2734	1847.72	Cl	94 800	0.6101	2673.36
K	2 670	0.0133	52.99	Br			
Ca	15 540	0.1000	387.73	I			
Mg	61	0.0004	2.51	HCO ₃	230	0.0015	3.77
Ba				SO ₄	195	0.0013	2.03
Sr				CO ₃	0	0.0000	0.00
Fe	PRESENT			OH	0	0.0000	0.00
				H ₂ S	NIL		

TOTAL SOLIDS $\frac{m \cdot V^{-1}}{g \cdot m^{-3}}$

EVAPORATED @ 115°C

164 400

EVAPORATED @ 180°C

AT IGNITION

149 200

CALCULATED

155 372

ORGANICS: TRACE

RELATIVE DENSITY

1.103 @ 25°C

REFRACTIVE INDEX

1.3602 @ 25°C

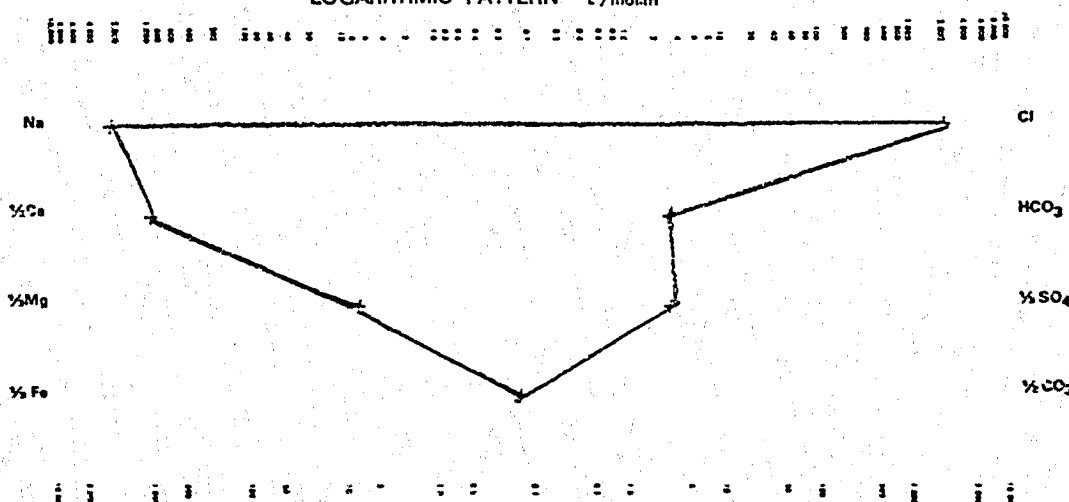
OBSERVED pH

6.1 • 21.°

RESISTIVITY (ohm m)

0.078 @ 25°C

REMARKS

The sample consisted
of murky salt water.LOGARITHMIC PATTERN $c/mol \cdot m^{-3}$ 

SULPETRO LIMITED

LABORATORY REPORT NO: E81-17573

E81-17573-1:

Sampled from muddy water

RESISTIVITY: 0.147 Ohm/meters @ 25°C.

Muddy water.

E81-17573-3:

Sampled from middle

RESISTIVITY: 0.082 Ohm/meters @ 25°C.

Murky water.

E81-17573-4:

Downhole Sampler

RESISTIVITY: 0.332 Ohm/meters @ 25°C.

A Lynes United Downhole Sampler #108 was received at ATM pressure. It contained 900 ML of heavy mud only.

LYNES UNITED SERVICES LTD.

DRILLSTEM TEST SUMMARY REPORT

Date: 81 02 19

Well name: SULPETRO ET AL TROUT LAKE P-34
Location: 400/ 60.235 / 123.056 /00

Licence no. 46424
Ticket no. 46425

DST number 002 LYNES test #2 Test number 1 of 1 (on same trip)
Test type: INFLATE STRADDLE

Kelly bushing (M): 535.50 Ground elevation (M): 530.00
Interval from (M): 2015.00
to (M): 2023.00 Total depth (M): 2126.00

Formation: ELK POINT GROUP

TIME AND PRESSURE DATA

Recorder #015833

TIMES (min)	PRESSURES (kPa)	:	TIMES (min)	PRESSURES (kPa)
1st flow		:	2nd flow	
1st shutin		:	2nd shutin	
		:		
3rd flow		:	4th flow	
3rd shutin		:	4th shutin	
		:		
Initial hydrostatic		:	Final hydrostatic	

GENERAL REMARKS

Misrun - hole bridged off, unable to reach test depth.

TEST RECOVERY DATA

Blow description:

Hisrun.

GAS MEASUREMENTS:

Measured with:

Riser (mm):

TIME (min)	SURF. CHOKE (mm)	READING (kPa)	CUBIC METRES/D
------------	------------------	---------------	----------------

NO GAS
MEASUREMENTS

Liquid recovery:

For DST# 002 through DST# 002

Amount (M) Of

Total recovery (M): .00

Reversed out: NO

Salinity (g/M3):

Bottom hole sampler#

Sent to:

Gas bomb#

Sent to:

No. of fluid samples:

Sent to:

GENERAL DATA

Inhibitor amount (M):

Cushion type:

Liquid amount (M):
Gas pressure (kPa):

Started in hole:
Opened tool at:

1200 Hrs.
Hrs.

MUD AND HOLE DATA

Hole condition @ test time: GOOD
Conditioned prior to test: NO

Calipered hole size @ test depth (mm) 210.0

Mud type: GEL CHEMICAL
Viscosity (sec/l): 60.0
Filter cake (mm): 1.5

Mud weight (kg/M3): 1085.00
Water loss (cm3): 8.5
Reservoir temperature (C):
Recorder temperature (C):

Pipe size (mm)	Type	Weight (kg/M)
114.3	NO DP-TYPE AVAILABLE	24.70

Collar size (mm)	Type	Int. diameter (mm)	Length (M)
158.8	NO DP-TYPE AVAILABLE	71.0	121.94

BTM choke size (mm): 25.4
Rat hole size (mm):
Main hole size (mm): 200.0
Rat hole length (M):

Total number of packers run: 2

Mailing Data

Company: SULPETRO OF CANADA LTD.
Address: 3200 BOW VALLEY SQ 3
255 - 5TH AVE. S.W.
CALGARY, ALBERTA
T2P 3G6

Reports sent to: JOHN EVANS

Number of Reports: 5

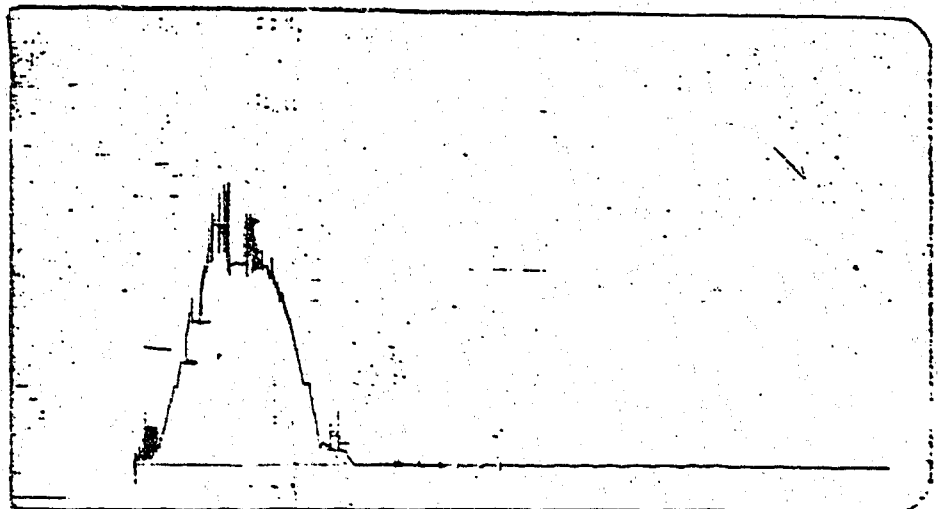
LYNES UNITED SERVICES LTD.

RECORDER PAGE

WELL NAME : SULPETRO ET AL TROUT LAKE P-34
LOCATION : 400/ 60.235 / 123.056 /00
DST NUMBER : 002

RECORDER NUMBER: 015833 TYPE: K-3
DEPTH : INSIDE/OUTSIDE: OUTSIDE
CAPACITY: 42403.00 kPa

- 1 --- INITIAL HYDROSTATIC
- 2a --- START OF PREFLOW
- 2b --- END OF PREFLOW
- 3 --- INITIAL SHUT-IN
- 4a --- START OF 2nd FLOW
- 4b --- END OF 2nd FLOW
- 4c --- 2nd SHUT-IN
- 5 --- START OF FINAL FLOW
- 6 --- END OF FINAL FLOW
- 7 --- FINAL SHUT-IN
- 8 --- FINAL HYDROSTATIC



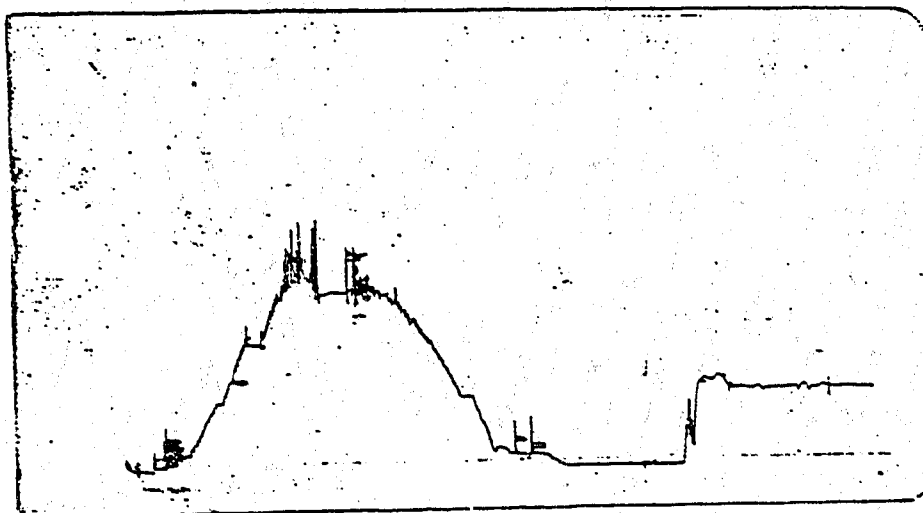
LYNES UNITED SERVICES LTD.

RECORDER PAGE

WELL NAME : SULPETRO ET AL TROUT LAKE P-34
LOCATION : 400/ 60.235 / 123.056 /00
DST NUMBER : 002

RECORDER NUMBER: 008952 TYPE: K-3
DEPTH : INSIDE/OUTSIDE: OUTSIDE
CAPACITY: 48263.00 kPa

- 1 --- INITIAL HYDROSTATIC
- 2a --- START OF PREFLOW
- 2b --- END OF PREFLOW
- 3 --- INITIAL SHUT-IN
- 4a --- START OF 2nd FLOW
- 4b --- END OF 2nd FLOW
- 4c --- 2nd SHUT-IN
- 5 --- START OF FINAL FLOW
- 6 --- END OF FINAL FLOW
- 7 --- FINAL SHUT-IN
- 8 --- FINAL HYDROSTATIC



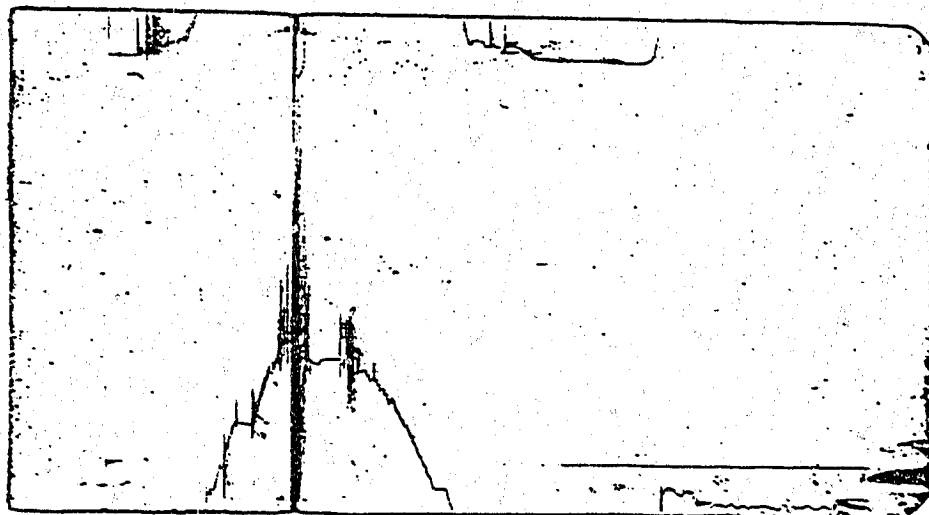
LYNES UNITED SERVICES LTD.

RECORDER PAGE

WELL NAME : SULPETRO ET AL TROUT LAKE P-34
LOCATION : 400/ 60.235 / 123.056 / 00
DST NUMBER : 002

RECORDER NUMBER: 015836 TYPE: K-3
DEPTH : m INSIDE/OUTSIDE: INSIDE
CAPACITY: 41369.00 kPa

- 1 --- INITIAL HYDROSTATIC
- 2a --- START OF PREFLOW
- 2b --- END OF PREFLOW
- 3 --- INITIAL SHUT-IN
- 4a --- START OF 2nd FLOW
- 4b --- END OF 2nd FLOW
- 4c --- 2nd SHUT-IN
- 5 --- START OF FINAL FLOW
- 6 --- END OF FINAL FLOW
- 7 --- FINAL SHUT-IN
- 8 --- FINAL HYDROSTATIC



LYNES UNITED SERVICES LTD.

RECORDER PAGE

WELL NAME : SULPETRO ET AL TROUT LAKE P-34
LOCATION : 400/ 60.235 / 123.056 /00
DST NUMBER : 002

RECORDER NUMBER: 009009

DEPTH :

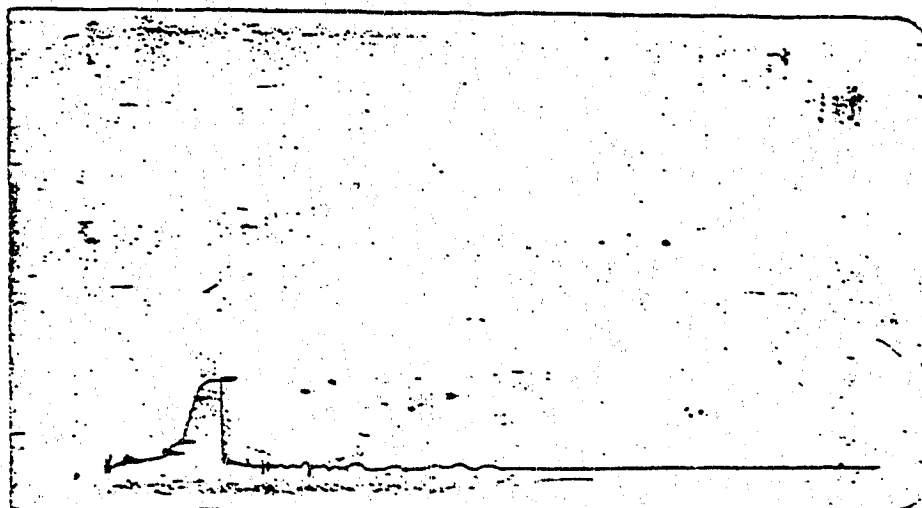
TYPE:

K-3

INSIDE/OUTSIDE: OUTSIDE

TEMP. RANGE:

4.44 - 162.78 C



GEOLOGICAL DESCRIPTIONJanuary 20, 1981

Background Gas: 4-6 units

160-210m

Shaley 100%, medium to dark gray, blocky, very silty, micromicaceous, calcareous, occasional Inoceramus, occasional calcite fracture filling.

210-260m

Sandstone 100%, light gray, quartzose, very fine to fine grained, well sorted, well rounded, calcareous matrix, abundant glauconite, occasional clear quartz pebbles, tight.

260-280m

Siltstone 60%, light gray, quartzose, calcareous, occasional sandy to white chert.
Shale 40%, medium to dark gray, fissile, micromicaceous.

280-310m

Shale 100%, dark gray, sub-fissile, micromicaceous, blocky, silty, trace Inoceramus, trace siltstone as above.

310-320m

Shale 50%, as above.
Siltstone 50%, as above.

320-340m

Shale 70%, as above.
Siltstone 30%, as above.

340-350m

Shale 100%, dark gray, fissile to sub-fissile, micromicaceous, occasionally carbonaceous, abundant pyrite.

January 21, 1981

No Report

January 22, 1981

Background Gas: 2-4 units.

340-425

Shale 100%, dark gray, fissile to sub-fissile, micromicaceous, carbonaceous, abundant light gray silt beds

425-460

100% Siltstone, light gray, microcrystalline to very fine grained, silty, argillaceous in part, trace pyrite, occasional white CaCl_2 crystals, tight, abundant crinoids, occasional fossil fragments.

460-470

60% siltstone, light to medium gray, calcareous.
40% limestone, microcrystalline to very fine grained, silty, tight.

GEOLOGICAL DESCRIPTIONJanuary 22, 1981 (Continued)

- 470-500 100% Shale, as above. Blocky, occasionally very calcareous, grading to marlstone, occasionally silty, some crinoids and fossil fragments.
- 500-505 60% shale, as above.
40% Limestone, light gray, very fine crystals, silty, tight, grading to siltstone.
- 505-530 50% Limestone, light gray, very fine to fine crystals, occasionally fragmented, silty, tight, trace white chert.
30% siltstone, brown to buff, calcareous, quartzose.
20% shale, as above, trace pyrite.
- 530-540 Shale 50%, light gray, blocky, sub-fissile, calcareous, silty.
Limestone 30%, as above.
Siltstone 20%, as above.
- 540-555 100% Shale, medium to dark gray, sub-fissile, micaceous, occasionally carbonaceous, occasional crinoids.

January 23-25, 1981

No Report due to setting surface casing.

January 26, 1981

Background Gas: 2-4 units.

- 555-750 Shale 100%, medium to dark gray, sub-fissile, micaceous, occasionally carbonaceous, occasional crinoids, trace blocky brown shale, trace silty, calcareous, occasional calcareous fracture filling, occasional light gray microcrystalline limestone stringer.
- 750-760 Shale 100%, dark gray, fissile, carbonaceous, micaceous, also dark brown, blocky, calcareous, with stringers of dark brown limestone.
- 760-770 Shale 100%, medium to dark gray, sub-fissile, calcareous, micaceous, occasional stringers, dark brown, microcrystalline, argillaceous limestone.
- 770-780 Shale 100%, medium to dark gray, sub-fissile, micaceous, trace pyrite, very calcareous.

GEOLOGICAL DESCRIPTIONJanuary 26, 1981 (Continued)

780-785 50% Shale, as above.
 50% Limestone, buff to brown to light gray,
 microcrystalline. clean, tight, occasional
 fossil fragments.

785-870 70% Shale, as above.
 30% Limestone, as above.

810-815 90% Shale, as above.
 10% Limestone, as above.

January 27, 1981 Background Gas: TSTM.

815-830 Shale 60%, medium to dark gray, sub-fissile, micro-
 micaceous, calcareous.
 Limestone 40%, light gray to buff, microcrystalline,
 occasionally fragmented, tight.
 Trace pyrite, occasional crinoids..

830-840 Shale 50%, as above.
 Limestone 50%, as above.

840-845 Shale 40%, as above.
 Siltstone 40%, medium brown, calcareous.
 Limestone 20%, as above.

845-870 Shale 80%, as above.
 Limestone 20%, as above.

870-890 Shale 60%, as above.
 Limestone 40%, light gray to buff, microcrystalline
 to cryptocrystalline, occasionally silty, tight.

890-910 Shale 90%, as above.
 Limestone 10%, as above.

910-955 Shale 100%, as above.

955-980 Shale 60%, as above.
 Limestone 40%, buff to light brown, microcrystalline
 to cryptocrystalline, pyrite, clean, tight.

980-985 Shale 40%, as above.
 Siltstone 30%, brown, argillaceous, calcareous, grading
 to shaley, blocky
 Limestone 30%, as above.

GEOLOGICAL DESCRIPTION

January 27, 1981 (Continued)

985-990 Limestone 80%, light gray, buff, brown, microcrystalline, clean, tight.
Shale 20%, medium gray, brown, sub-fissile, calcareous.

990-1000 Limestone 100%, as above.

January 28, 1981 Background Gas: 1-2 units.

1000-1030 Limestone 100%, light gray, buff, microcrystalline, fragmented, trace pyrite, tight.

1030-1045 Shale 60%, medium to dark gray, dark brown, sub-fissile, micromicaceous, calcareous.
Limestone 40%, as above.

1045-1065 Shale 80%, as above.
Limestone 20%, as above.

1065-1090 Shale 50%, as above.
Limestone 50%, light to medium gray, microcrystalline to very fine crystalline, silty, occasionally aggrillaceous.

1090-1105 Shale 70%, as above.
Limestone 30%, as above.

January 29, 1981 Background Gas: Trace.

1105-1135 Shale 60%, as above.
Limestone 40%, as above.

1135-1150 Shale 50%, as above.
Limestone 50%, as above.

January 30, 1981 Background Gas: 2 units.

1150-1170 70% Limestone, buff to medium brown, microcrystalline, clean, hard, tight, trace pyrite; also light gray microcrystalline, silty, occasional white calcite crystals.
Shale 30%, medium gray, sub-fissile, micromicaceous, occasional interbeds, medium gray siltstone, very calcareous.

GEOLOGICAL DESCRIPTIONJanuary 30, 1981 (Continued)

1170-1200 Shale 70%, as above. Also, brown, blocky and calcareous.
Limestone 30%, as above.

1200-1230 Shale 80%, as above, silty in part.
Limestone 20%, as above.

January 31, 1981 Background Gas: 1-2 units

1230-1260 Shale 80%, dark gray, sub-fissile, calcareous, micromicaceous, occasionally brown, silty, blocky.
Limestone 20%, as above, microcrystalline to cryptocrystalline, silty, dolomitic, pyritic.

1260-1270 Shale 60%, as above.
Limestone 40%, light gray to buff, microcrystalline, fragmented, occasionally argillaceous, tight.

1270-1280 Limestone 60%, as above.
Shale 40%, as above.

1280-1285 Limestone 80%, light gray to buff, as above, sucrosic texture, tight, occasionally white, calcite crystals.
Shale 20%, silty, as above.

1285-1295 Limestone 50%, as above.
Shale 50%, as above.

1295-1300 Shale 90%, medium to dark gray, sub-fissile, micromicaceous.
Limestone 10%, gray to buff, microcrystalline, pyritic.

February 1, 1981 Background Gas: 1-2 units.

1300-1380 Shale 100%, medium to dark gray, fissile, micromicaceous, trace green and red fissile shale, medium gray siltstone interbeds, light gray, microcrystalline limestone interbeds.

February 2, 1981

1380-1400 Shale 100%, as above.

1400-1410 Shale 40%, as above.
Siltstone 40%, light gray, salt and pepper, quartzose, calcareous matrix.
Sandstone 20%, light gray, very fine grained, calcareous matrix, sub-rounded, well sorted, tight.

GEOLOGICAL DESCRIPTIONFebruary 3, 1981

1410-1430

Siltstone 60%, light gray to buff, trace green, very calcareous, quartzose, Shale 40%, medium to dark gray, fissile, waxy, trace limestone, microcrystalline, very silty, tight.

1430-1435

Siltstone 80%, as above.
Shale 20%, as above.

1435-1480

Shale 60%, as above.
Siltstone 40%, as above.

February 4, 1981

Background Gas: Nil

1480-1500

Shale 60%, medium to dark gray dark brown, fissile, micromicaceous, occasionally silty. Siltstone 40%, light to medium gray, quartzose, calcareous, argillaceous in part, occasionally blocky, crinoid fragments.

1500-1555

Shale 80%, as above.
Siltstone 20%, as above.
Trace limestone, light gray, microcrystalline, very silty.

February 5, 1981

Background Gas: Trace. Connection Gas - 5 units.

1560-1615

Shale 100%, medium gray, fissile to sub-fissile, micromicaceous, waxy texture.

February 6, 1981

Background Gas: Trace.

1620-1700

Shale 100%, as above. Trace siltstone.

February 7, 1981

Background Gas: Trace.

1700-1770

Shale 100%, medium gray, fissile, micromicaceous, occasional dark green waxy texture, trace siltstone.

February 8, 1981

Background Gas: Trace.

1770-1800

Shale 100%, as above, in part brown, blocky, silty.

1800-1820

Shale, 100% as above, tr. black, carbonaceous.

1820-1830

Shale 100%, black, carbonaceous, micromicaceous, blocky.

FEBRUARY 9, 1981

No Progress.

GEOLOGICAL DESCRIPTIONFebruary 10, 1981

Background Gas: Trace.

1830-1845

Limestone 80%, light gray, microcrystalline to fragmented, medium to chocolate brown, cryptocrystalline, medium to dark gray, microcrystalline, argillaceous, grading to marlstone, tight.
Shale 20%, black, calcareous, blocky, mottled white.

1845-1855

Limestone 100%, light to medium gray, microcrystalline, fragmented, occasionally argillaceous and silty, buff, brown, microcrystalline to cryptocrystalline, trace dark gray chert, trace pyrite, occasional green fissile shale partings.

1855-1875

Limestone 100%, light to medium gray, microcrystalline, occasional white calcite crystals, also, buff to brown, microcrystalline to cryptocrystalline, vitreous lustre, dolomitic, hard.

1875-1885

Limestone 100%, light gray to buff, cryptocrystalline, occasionally chalky, hard, tight.

February 11, 1981

Background Gas: Nil.

1895-1925

Limestone 100%, white, chalky, microcrystalline, tight, also buff, cryptocrystalline, clean, tight, occasionally dark brown, shale partings.

1925-1950

Limestone 100%, buff, microcrystalline, clean, tight, abundant white euhedral calcite and dolomite crystals.

1950-1960

Limestone 50%, as above.
Dolomite 50%, white euhedral crystals, also buff, microcrystalline with abundant filled vugs.

February 12, 1981

No samples due to lost circulation.

February 13, 1981

Background Gas: Trace.

1960-1975

No samples.

1975-1990

Dolomite 100%, light to medium gray, buff, microcrystalline to medium crystalline, abundant white dolomitic crystals, occasional slight intercrystalline porosity, silty in part, abundant dark gray-green shale partings.

SULPETRO ET AL. TROUT LAKE P-34

GEOLOGICAL DESCRIPTION

February 13, 1981 (Continued)

1990-2010	Dolomite, 100%, as above, also mottled, black and white, calcareous, argillaceous, occasional white dolomite crystals, tight.
2010-2030	Very poor samples, as above.
2030-2060	Dolomite 100%, medium to dark brown, medium gray, microcrystalline grading to finely crystalline, occasional slight intercrystalline porosity, very poor microvuggy porosity, vugs usually filled with dolomite crystals, abundant siliceous microcrystalline dolomite, shale partings, dark gray, micromicaceous, sub-fissile.

February 14, 1981

	Background Gas: Trace.
2060-2070	Dolomite 80%, light gray to buff, microcrystalline, siliceous, tight. Shale 20%, brown, fissile.
2070-2085	Quartzite 100%, white, clear, hard, sub-rounded, medium sorting, coarse-grained, tight, trace pyrite.

February 15, 1981

	Background Gas: Trace.
2090-2100	Quartzite 100%, white, clear, hard, sub-rounded, medium sorting, coarse-grained, tight, trace pyrite.

February 16, 1981

2100-2126	Quartzite, 70%, as above. Shale 30%, medium gray, blocky, micromicaceous, siliceous, hard.
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