



Canada Oil and Gas
Lands Administration

Administration du pétrole
et du gaz des terres du Canada

D.A. 1295

E.A. 223

Nova Scotia	☐	West Coast	☐	Exploratory	XX
Newfoundland	☐	Northern	☒	Development	☐
Gulf of St. Lawrence	☐	Hudson Bay	☐	Delineation	☐
				Service	☐

AUTHORITY TO DRILL A WELL

APPLICATION

This application is submitted with Section 82 of the Canada Oil and Gas Drilling Regulations. When approved under Section 83 of the Regulations, it is the requisite authority for the commencement of drilling operations.

Well Name in Full: SULPETRO ET AL N. TROUT LAKE F-08
Operator: Sulpetro Limited Drilling Program No.:
*Contractor: Canadrill Energy Permit or Lease No.: EA 223
*Drilling Rig or Unit: Rig #2 Estimated Well Cost: \$1,989,000
*Location-Unit: F Section: 08 Grid Area: 60-40-121-00
Coordinates: Lat.: 60° 37' 15" N Long.: 121° 1' 24" W
Area: Trout Lake Field/Pool: Wildcat
Elevation- KB: 523m (est.) Ground: 518m (est.)
Approx. Spud Date: January 1, 1986 Estimated Days on Location: 35
Anticipated Total Depth: 1870 Target Horizon(s) Sulphur Point and Pine Point

EVALUATION PROGRAM

Ten-metre sample intervals N.A.
Five-metre sample intervals Surface casing shoe to TD
Canned sample intervals Surface casing shoe to TD every 10m
Conventional cores at Slave Point, Sulphur Point & Pine Point
Logs and Tests Intermediate DIL-SFL-SP & BHCS-GR-Cal
Final Logs DIL-SFL-SP, BHCS-GR-Cal, CNL-LDT-GR-CAL, MLL, VELOCITY
Drill stem tests will be run as required.

CASING AND CEMENTING PROGRAM

O.D.	Weight:	Grade:	Setting Depth Below Seafloor:	Cementing Program (Volumes):
508 mm	Conductor Pipe		20 mKB	cement to surface
244 mm	53.6 kg/m K-55		400 mKB	29 m ³ (50% excess)
178 mm	29.7 & 34.2 kg/m K-55		1540 mKB	26 m ³ (50% excess - to surface casing)
114 mm	15.6 kg/m K-55		1870 mKB	3.5 m ³ (20% excess)

B.O.P. Equipment: See attached specification sheets for Canadrill Rig #2

Other Information:

Signed: R.S. Marshall

Date:

Title: Vice-President, Operations

Company: Sulpetro Limited

APPROVAL

An approved copy of this notice is to be posted at each wellsite.

Signed: L. S. Thomas

Engineering Branch

Date: 16 Dec 85

File: 9211-S40-1-1

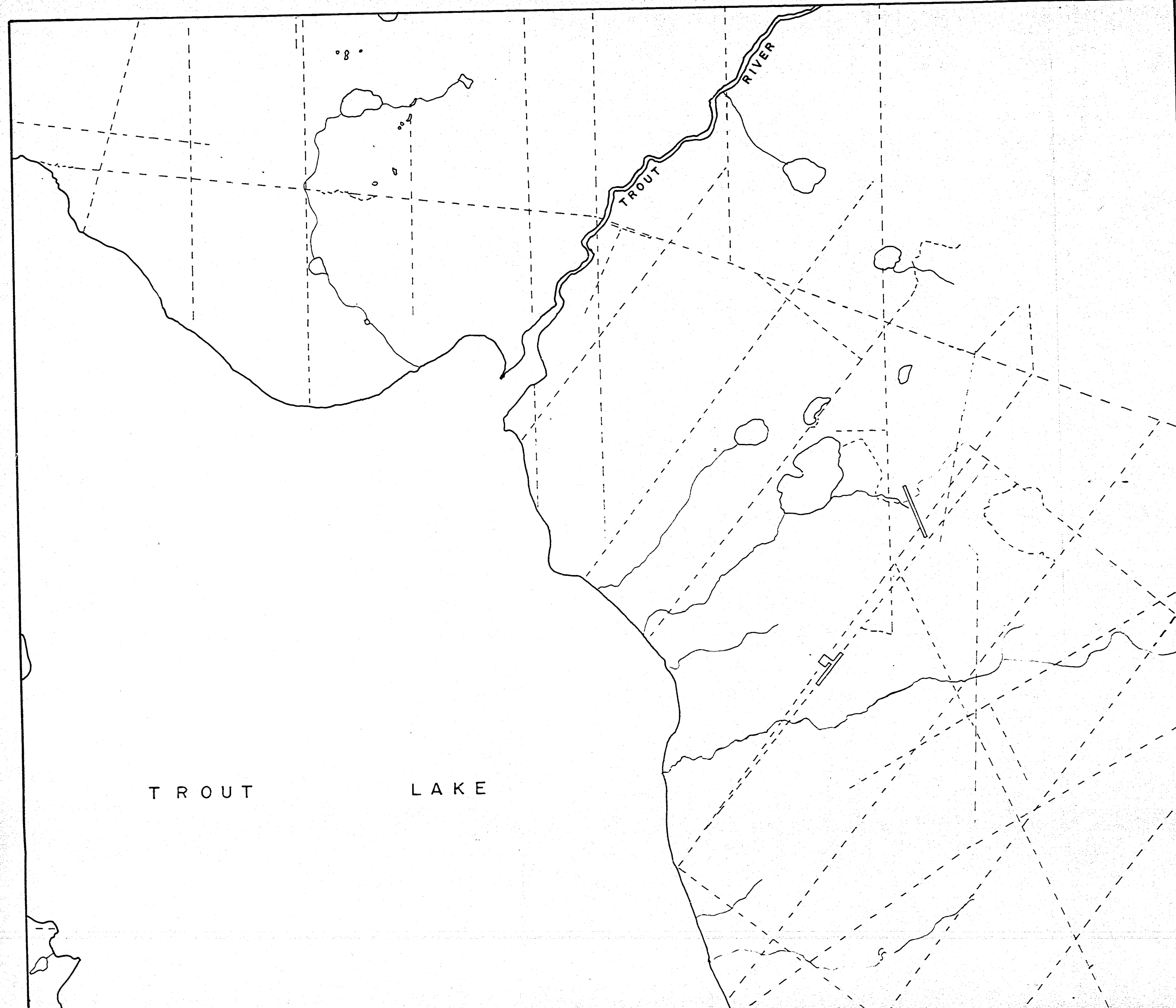
Department of Energy,
Mines and Resources

Ministère de l'Énergie,
des Mines et des Ressources

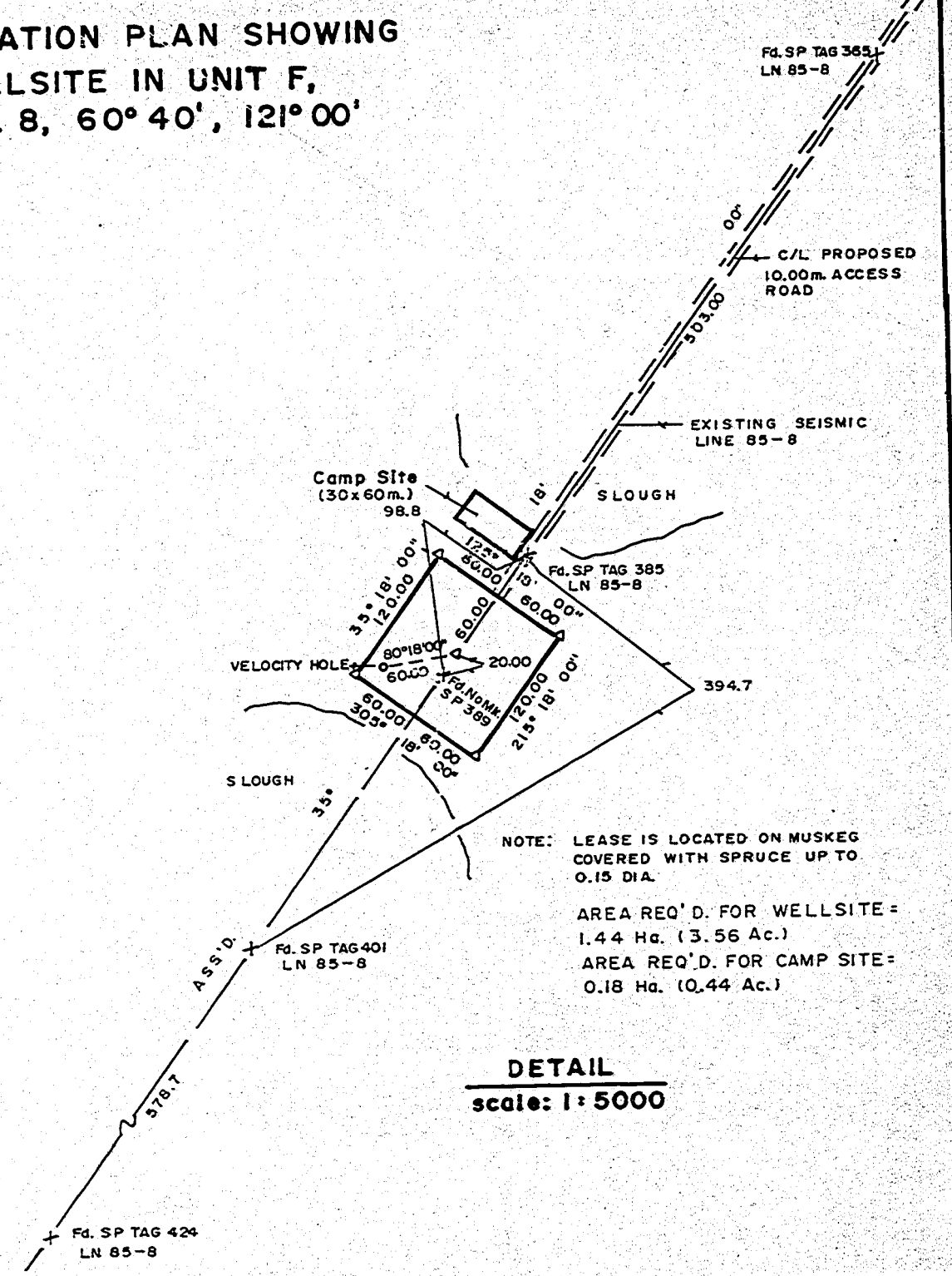
Department of Indian Affairs
and Northern Development

Ministère des Affaires indiennes
et du Nord Canadien

Canada



LOCATION PLAN SHOWING
WELLSITE IN UNIT F,
SEC. 8, 60° 40', 121° 00'

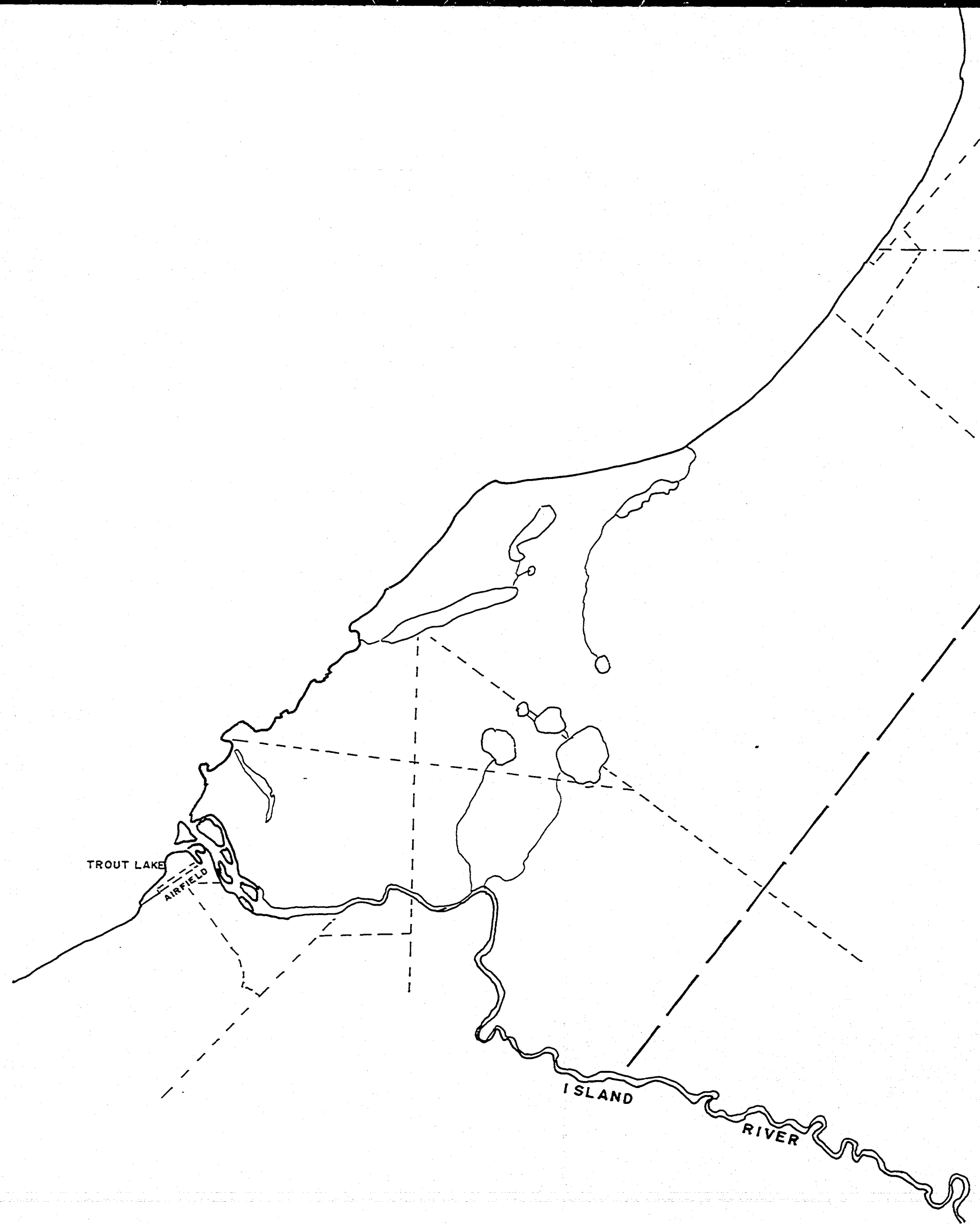


T R O U T

L A K E



9211-540-1-1



TROUT LAKE WINT

THIRTY-FOURTH

BASE LINE

9211-540-1-1

OTTAWA COPY

SULPETRO LIMITED
 SKETCH PLAN
 SHOWING 10.00 METRE ACCESS ROAD
 FOR LICENCE OF OCCUPATION
 OF WELL SITE

In
 UNIT F, SEC. 8, 60°40', 121°00'
 NORTHWEST TERRITORIES

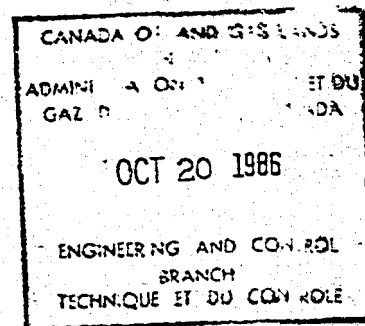
SCALE: 1:50,000

DATE: APRIL 18, 1986

CANADA OIL AND GAS LANDS
 A MINING RATION
 ADMINISTRATION ON THE NORTHWEST
 OCT 20 1986
 ENGINEERING AND CONTROL
 BRANCH
 TECHNIQUE ET DU CONTRÔLE

NOTE:

Well Site shown thus: ■
 Portion referred to shown thus:
 Trail, Cutline, Portage shown thus: - - - - -
 Cart Track, Winter Road shown thus: ————
 Approximate Length of Access Road = 9.5 Km.
 Area Req'd. for Access Road = 9.50 Ha. (23.47 Ac.)
 Area Req'd. for Well Site = 1.44 Ha. (3.56 Ac.)
 Area Req'd. for Camp Site = 0.18 Ha. (0.44 Ac.)
 TOTAL AREA REQ'D. = 11.12 Ha. (27.47 Ac.)

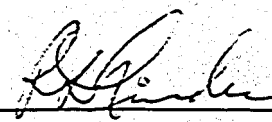


FINAL REPORT
FOR
SULPETRO ET AL N. TROUT LAKE F-08

60° 37' 15" N
121° 1' 24" W

October, 1986

By:


R.D. Linder, P. Eng.

A:
INTRODUCTION

A. INTRODUCTION

i) Summary

The well Sulpetro et al N. Trout Lake F-08 was drilled to test the Slave Point, Sulphur Point and Pine Point formations for hydrocarbons. The operator of the well was Sulpetro Limited, who contracted Canadrill Energy to drill the well.

The drilling rig used was a conventional land based double drilling rig, modified to handle the conditions anticipated in the well.

Surface hole was drilled and cased at 410 mKB and intermediate casing was set at 1545 mKB, which was 10m into the Slave Point. BOP testing and leak off tests were conducted at each casing point. Other than some tight connections and reaming to bottom, no hole problems were encountered. The maximum hole deviation was 2° from vertical.

The well encountered Fore Reef Marine Limestone in the Pine Point formation and non-porous platformal rocks of the Slave Point formation. This resulted in a thinner than expected Middle Devonian section. No hydrocarbons were indicated as the rocks lacked sufficient porosity.

One drill stem test was run in the Pine Point which recovered gas-sified drilling mud and salt water only. There was no gas to surface during the DST.

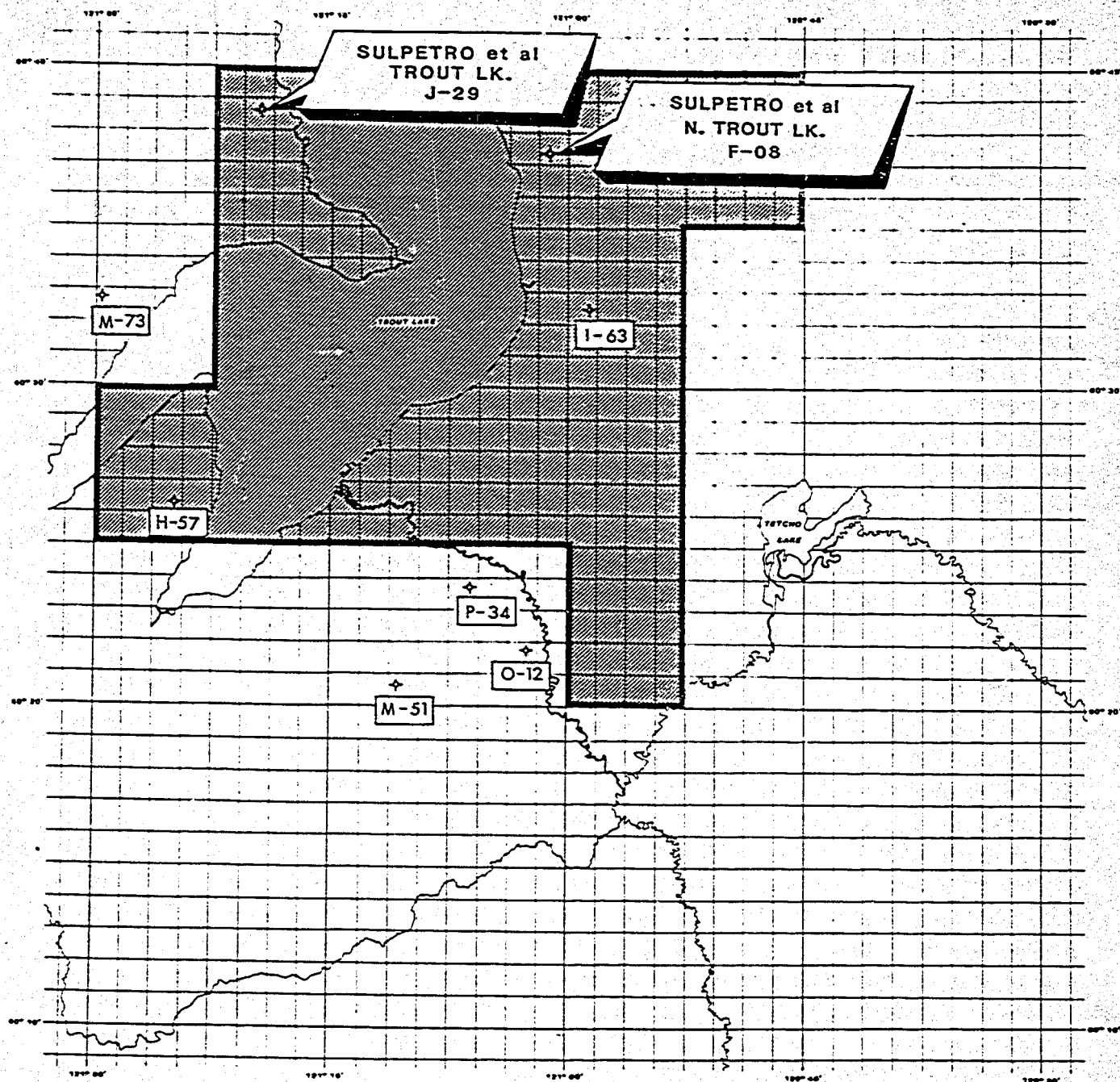
The well was abandoned with cement plugs and the casings cut off and capped. The location was cleaned up and reclaimed after the rig was moved off.

ii) Locality Map

See the following page.

iii) Drilling Record Chart

As attached.



SULPETRO LIMITED

TROUT LAKE
NORTH WEST TERRITORIES

EA-223

Scale:	Mapped By: A. S. M.
Date: Oct. 86	Map #:
Revised:	Drawn by: A.C.

CONTRACTOR: Carroll, H. #2

JACK LISCHKA.



DRILLING RECORD

WELL NAME Sulphuro et al N Tract 48 F-08

64. 515.13

KV 520.73

[illegible]

8. GENERAL
DATA

B. GENERAL DATA

i) Well Name

Sulpetro et al N. Trout Lake F-08
F-08 60-40-121-00

ii) Well Location

60° 37' 15" N; 121° 1' 24" W

iii) Unique Well Identifier

300F086040121000

iv) Operator

Sulpetro Limited
#3200, Bow Valley Square #3
255 - 5th Avenue, S.W.
Calgary, Alberta
T2P 3G6

Contractor

Canadrill Energy, Division
of 287750 Alberta Ltd.
4th Flr., 640 - 8th Avenue, S.W.
Calgary, Alberta
T2P 1G7

v) Drilling Unit

Canadrill #2 composed of a Brewster SD-N4 drawworks and a 30m
Lee C. Moore derrick.

vi) Position Keeping - not applicable

vii) Support Craft - not applicable

viii) Drill Unit Performance - not applicable

ix) Difficulties and Delays

Start up of the drilling project was delayed by the unseasonably
warm weather in late December, 1985 and January, 1986. This warm
air slowed the freezing-in of the roads necessary to access the
well site. Approximately ten (10) days were lost due to this
weather.

C. SUMMARY OF
DRILL. OP.

C. SUMMARY OF DRILLING OPERATIONS

i) Elevations

Ground Level: 515.1m

Kelly Bushing: 520.7m

ii) Total Depth

TD - 1755 mKB

Log Depth: Run #1 1545.5 mKB

Run #2 1754.8 mKB

Plugback TD - Surface

iii) Spud

04:30 hrs.; 1986-01-13.

iv) Drilling Completed

16:00 hrs.; 1986-02-11

v) Rig Release

06:00 hrs.; 1986-02-15

vi) Status

Well Abandoned.

vii) Hole Sizes and Depths

See the attached Bit Record.

viii) Casing and Cementing Records

See the attached Casing Records for both Surface and Intermediate casing.

ix) Side tracked Hole - not required

x) Drilling Fluid

A conventional extended gel-chem. mud system was used throughout the well.

Surface Hole: 349mm to 410 mKB
viscosity: 50 cp
density: 1150 kg/m³

Intermediate Hole: 222mm to 1547 mKB
viscosity: 48 - 50 cp
density: 1080 - 1150 kg/m³
water loss: 8 - 12cc

Note: Mud up at 625 mKB.

Main Hole: 159mm to FTD of 1755 mKB
viscosity: 46 - 58 cp
density: 1080 kg/m³
water loss: 7.5 - 10cc

xi) Fishing Operations - none required.

xii) Well Kicks - none were encountered.

xiii) Formation Leak Off Tests

After Surface Casing: Depth: 413 mKB
Fluid density (water): 1000 kg/m³
Applied pressure: 8200 kPa
bleed off to 6200 kPa
Water Column: 4026 kPa
Casing Shoe at: 410 mKB

After Intermediate Casing: Depth: 1550 mKB
Fluid Density: 1065 kg/m³
Applied pressure: 7000 kPa (no leak off)
Mud Column: 16,215 kPa
Casing Shoe at: 1545 mKB

xiv) Time Distribution

See the attached table.

xv) Deviation Survey - not required.

xvi) Abandonment Plugs

See the Attached Abandonment Report.

xvii) Composite Well Record

See the attached Continental Laboratories "Hydrocarbon Well Log".

(in attached pouch)

BIT RECORD

Well Name: Sulpetro et al N. Trout Lake F-08

Bit No.	Size (mm)	Make	Type	W.O.B. (daN)	Rotary Speed rpm	Pump Press. (kPa)	Depth In (mKB)	Depth Out (mKB)	Meters	Hours	Cum. Hours	Remarks
1-A	349	Reed	Y-11	4/8	120/140	5,000	0	175	175	24½	24½	5-2-1
2-A	349	Reed	Y-11	5/10	120/140	8,200	175	336	161	16½	40½	6-3-1
3-A	349	Reed	Y-11	8	100/130	8,200	336	410	74	9½	50	3-1-1
1	222	Reed	HP12	8/12	100/120	7,300	410	725	315	24	24	4-5-1
2	222	Reed	HP51A	14	100/120	8,700	725	1,227	502	73	97	2-4-1
3	222	Reed	HP51D	4/12	100/120	9,000	1,227	1,399	172	36 3/4	133 3/4	1-1-1
4	222	Reed	S13G	5/8	120	8,000	1,399	1,486	90	21½	155½	3-7-1
Run #5	RR#3	Reed	HP51D	12	120	8,500	1,486	1,547	61	15	170½	2-5-1
Bit #5	159	Reed	Y21R	10	70	4,500	1,547	1,563	16	6 3/4	177	3-2-1
6	159	NECL	S248	8	90	8,500	1,563	1,684	121	50½	227½	85 - 90%
7	159	Reed	HP53	8	80	7,500	1,684	1,740	56	22	249½	6-4-0 ½
8	159	Reed	HP72A	9	65	7,500	1,740	1,755	15	10	159½	5-3-1
Ream 1727 - 1740 + 13M Under Gauge Hole 3½ Hours.												

FTD 1755 Precambrian @ 16:00 Hours February 11/86.

☒ SURFACE

☐ INTERMEDIATE

☐ PRODUCTION

☐ LINER

CASING INFORMATION

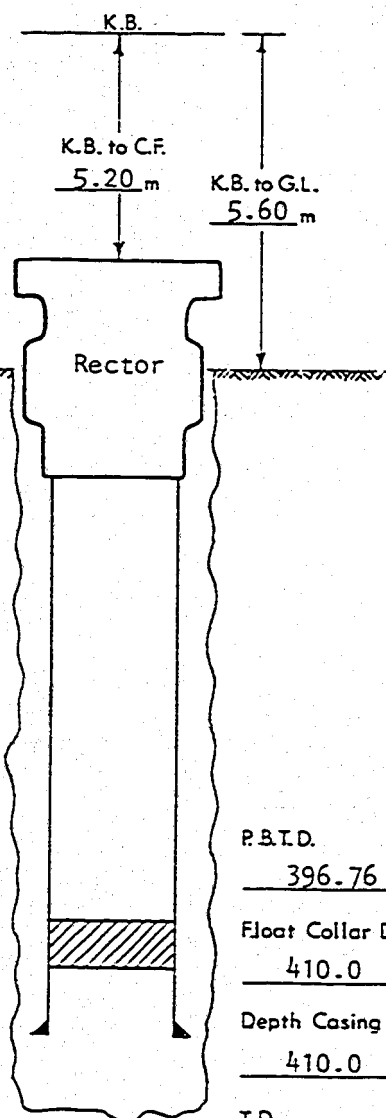
WELL NAME Sulpetro et al N. Trout LOCATION F-08 DATE January 16/86

Lake

O.D. (mm)	DENSITY (Kg/m)	GRADE	RANGE	THREAD	T & C	MAKE	ON LOCATION		RUN IN WELL		
							# OF JOINTS	LENGTH (m)	# OF JOINTS	DEPTH LANDED (m)	LENGTH RUN (m)
244	53.6	K55	3	8 Rnd	S	Algoma	33	410.79	33	410.0	410.79

K.B. Elevation
520.73 m

C.F. Elevation
515.53 m

G.L. Elevation
515.13 m


P.B.I.D.

396.76 m K.B.

Float Collar Depth
410.0 m K.B.

Depth Casing Landed
410.0 m K.B.

I.D.

_____ m K.B.

Shoe : Make	Davis	Type	Guide	.35
Float Collar : Make	Davis	Type	Float	.49
Landing Joint Length (when used)				
Meters up from K.B. (subtract)				1.68
Depth Set - Driller		Tally		410.0
Shoe Joint Overall (subtract)				13.24
Float Collar Depth - Driller		Tally		396.76

Cut-off 6.5 m.

CEMENT: Cement with 45t Class G plus
2% CaCl₂. Had 4m³ good cement
returns.

ACCESSORIES

Centralizers : Make Gem Latch on No. 5

Positions 407-385-372-348 mKB
5m below surface

Scratchers : Make - No. _____

Positions _____

No. of Collars Welded 4 + shoe, float & strap
joints 2&3.

CASING BOWL

Make Rector Size 254 x 244mm

Pressure Rating 20,700 kPa

Drilling Supervisor Jack Lischka

☐ SURFACE

☒ INTERMEDIATE

☐ PRODUCTION

☐ LINER

CASING INFORMATION

WELL NAME Sulpetro et al N. Trout Lake LOCATION F-08 DATE February 2/86

O.D. (mm)	DENSITY (Kg/m)	GRADE	RANGE	THREAD	T & C	MAKE	ON LOCATION		RUN IN WELL		
							# OF JOINTS	LENGTH (m)	# OF JOINTS	DEPTH LANDED (m)	LENGTH RUN (m)
178	34.2	K55	3	8 Rnd	L	Algoma	32	384.08	32	1544.86	384.08
178	29.7	K55	3	8 Rnd	S	Nippon	97	1220.84	92	1207.66	1163.75

K.B. Elevation
520.73 m

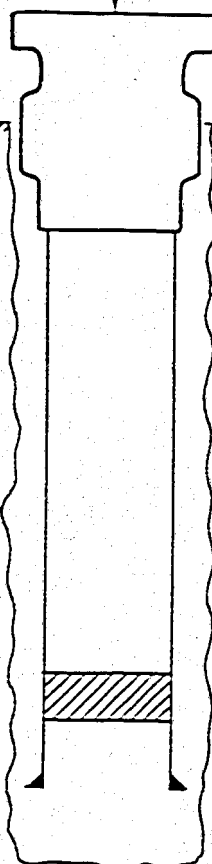
K.B.

K.B. to C.F.
5.20 m

K.B. to G.L.
5.60 m

C.F. Elevation
515.53 m

G.L. Elevation
515.13 m



P.B.T.D.

_____ m K.B.

Float Collar Depth
1531.69 m K.B.

Depth Casing Landed
1544.86 m K.B.

T.D.
1547 m K.B.

Shoe : Make	Davis	Type	.68
Float Collar : Make	Davis	Type	.50
Landing Joint Length (when used)	Make up		1.00
Meters up from K.B. (subtract)			3.15
Depth Set - Driller	Tally		1544.86
Shoe Joint Overall (subtract)			13.17
Float Collar Depth - Driller	Tally		1531.69

Cut-off 8.0 m.

CEMENT: Cement with 45.6t of 1:1:2 plus 0.5% T-10. Good returns throughout. Estimated cement top is 300 mKB.

ACCESSORIES

Centralizers : Make Gem latch on No. 20

Positions Shoe joint & on first 7 joints, & on joints 87 to 80 & across casing shoe.

Scratchers : Make _____ No. _____

Positions _____

No. of Collars Welded Thread lock shoe & float

Automatic slips were used.

CASING BOWL

Make Rector Size 254 x 244

Pressure Rating 21,000 kPa

Drilling Supervisor Jack Lischka

TIME DISTRIBUTION
SULPEIRO ET AL N. TROUT LAKE P-08

PAGE 1 of 4

	DATE	RIG UP & TEAR DOWN	DRILL ACTUAL	REAMING	CORING	COND. MUD & CIRC.	TRIPS	LUBRICATE RIG	REPAIR RIG	CUT OFF DRILLING LINE	DEVIATION SURVEY	WIRE- LINE LOGS	RUN CASING & CEMENT	WAIT ON CEMENT	NIPPLE UP B.O.P.	TEST B.O.P.	DRILL STEM TEST	PLUG BACK	SQUEEZE CEMENT	FISHING	DIR. WORK	MISCELLANEOUS	TOTAL
Surface Hole SPUD: 04:30	86-01-13	4.50	12.50					.25	1.50		.75											Rat hole conn. 1.75 Adjust rotating head 2.00 Unplug Jets .75	24.00
	86-01-14		18.50				3.00	.25	.50		1.25											Work on Rot. Equip. .50	24.00
	86-01-15		13.50				3.25	2.00	1.25													Unball Bit 1.50 Break Circ. 1.25 Backwash Jets 1.25	24.00
	86-01-16		5.50			2.00	5.00	.25			.25		6.25									Install Rubber W.O. Welder .50 4.00	24.00
	86-01-17							.25						11.75	9.00							Weld on casing bowl 3.00	24.00
	86-01-18						2.50	.25	6.00						3.75	9.00						Work bit thru bowl 2.50	24.00
	86-01-19							.25							13.75	3.50						Wait F/HCR 4.00 Install mouse hole 2.50	24.00
Intermediate Hole	86-01-20		16.75	1.50				.50	.50		.75				.50							Drill out cement 3.00 Leak-off Test .50	24.00
	86-01-21		11.00	3.25			5.75	.75	.50		.25											Blow kelly thaw rig 1.50 Backwash 1.00	24.00
	86-01-22		17.75					.50	1.00		.50											Work tight hole 3.50 BOP Inspection .75	24.00

TIME DISTRIBUTION
SULPETRO ET AL N. TROUT LAKE P-08

PAGE 2 of 4

DATE	RIG UP & TEAR DOWN	DRILL ACTUAL	REAMING	CORING	COND. MUD & CIRC.	TRIPS	LUBRICATE RIG	REPAIR RIG	CUT OFF DRILLING LINE	DEVIATION SURVEY	WIRE- LINE LOGS	RUN CASING & CEMENT	WAIT ON CEMENT	NIPPLE UP B.O.P.	TEST B.O.P.	DRILL STEM TEST	PLUG BACK CEMENT	SQUEEZE CEMENT	FISHING	DIR. WORK	MISCELLANEOUS	TOTAL
86-01-23		23.00					.50			.50												24.00
86-01-24		20.75					.50	.75		1.00											B.O.P. drill .25 Rig Jackers .25 Change up kelly cock .50	24.00
86-01-25		8.50				4.50	.25	.25		1.75											Circulate 8.50 B.O.P. drill COGLA .25	24.00
86-01-26	4.50		3.50			2.50	.50	10.50		2.50												24.00
86-01-27		20.75					.25	.25		2.75												24.00
86-01-28		11.50				8.25	1.00	.50		2.25											Handle tools .50	24.00
86-01-29		11.25	2.50			.50		1.00		.75											B.O.P. drill .25 Rig Jackers/out Rig. 7.75	24.00
86-01-30		10.25			.50	9.00	.25	.50	1.50	1.50											Blow out drill .50	24.00
86-01-31		15.00	3.00		2.25	2.25	.25		1.00												B.O.P. drill .25	24.00
86-02-01			5.00		9.00	9.00		1.00														24.00
86-02-02						4.25					5.25	6.00									Wait on orders 1.75 Lay down DP & DC 5.75 Change rams 1.00	24.00

TIME DISTRIBUTION
SULPEIRO ET AL N. TROUT LAKE P-08

PAGE 3 of 4

	DATE	RIG UP & TEAR DOWN	DRILL ACTUAL	REAMING	CORING	COND. MUD & CIRC.	TRIPS	LUBRICATE RIG	REPAIR RIG	CUT OFF DRILLING LINE	DEVIATION SURVEY	WIRE- LINE LOGS	RUN CASING & CEMENT	WAIT ON CEMENT	NIPPLE UP B.O.P.	TEST B.O.P.	DRILL STEM TEST	PLUG BACK	SQUEEZE CEMENT	FISHING	DIR. WORK	MISCELLANEOUS	TOTAL		
Main Hole	86-02-03					4.50		.25				3.75	6.50	9.00									24.00		
	86-02-04		6.50						1.50					2.00		14.00							24.00		
	86-02-05						8.50	.25	1.50							4.50						Wait Handle tools Blow kelly Float & shoe	4.00 1.50 .50 3.25	24.00	
	86-02-06		12.50			.25	7.50	.25														BOP drill Float & shoe Leak off test Mix sandust	.25 .75 1.00 1.50	24.00	
	86-02-07		12.25			.25	8.75	.50		1.00												Backwash De-ice	.75 .50	24.00	
	86-02-08		22.00			.25		.25	1.50															24.00	
	86-02-09		14.75				8.00	.25	.50		.50													24.00	
	86-02-10	11.75	5.75			.50	5.50	.50																24.00	
	86-02-11		10.00	3.25		5.25	4.25	.50		.75														24.00	
	86-02-12						1.75	.25				20.25					1.75							24.00	
	86-02-13						7.75	.50										11.50					Handle tools	4.25	24.00

TIME DISTRIBUTION
SULPETRO ET AL N. TROUT LAKE F-08

PAGE 4 of 4

RIG RELEASE
@ 06:00

DATE	RIG UP & TEAR DOWN	DRILL ACTUAL	REAMING	CORING	COND. MUD & CIRC.	TRIPS	LUBRICATE RIG	REPAIR RIG	CUT OFF DRILLING LINE	DEVIATION SURVEY	WIRE- LINE LOGS	RUN CASING & CEMENT	WAIT ON CEMENT	NIPPLE UP B.O.P.	TEST B.O.P.	DRILL STEM TEST	PLUG BACK	SQUEEZE CEMENT	FISHING	DIR. WORK	MISCELLANEOUS	TOTAL
86-02-14					1.25	16.75	.50					1.25									Wait on cementers 4.25	24.00
86-02-15	6.00																					6.00
TOTAL	26.75	300.25	22.00		26	128.50	10.75	31.75	3.25	19.50	25.50	17.50	18.25	38.00	31.00	13.25					85.75	798.00



PLUG AND ABANDONMENT

WELL NAME Sulpetro et al N. Trout LakeLOCATION F-08K.B. ELEVATION 520.73TOTAL DEPTH 1755FLUID IN HOLE Gel ChemicalPLUG BACK STRING 102mm D.P.SERVICE COMPANY NowSCOCONSERVATION BOARD OFFICER Kem Singh

HOLE SIZE	349	222	159	
DEPTH	410	1547	1755	
CASING IN HOLE	SIZE	SET AT	TOP OF CEMENT	
SURFACE CASING	244	410	Surface	
PRODUCTION STRING	Nil			

	PLUG 1	PLUG 2	PLUG 3	PLUG 4	PLUG 5	PLUG 6
DATE February 14, 1986	Stage #1	Stage #2	Ran plug in two stages.			
INTERVAL — TOP	1650	1650				
— BOTTOM	1755	1515				
FORMATION — NAME						
— DEPTH						
CALIPERED HOLE SIZE (AVERAGE)	165/178	165/178				
TYPE OF CEMENT	Class "G" 0-1-0	Class "G"				
TONNES OF CEMENT	2.64	6.21				
VOLUME OF SLURRY m ³	2	4.7				
ADDITIVES	-	-				
WATER AHEAD m ³	1.43	1.43				
DISPLACEMENT — m ³ WATER	.56	.56				
— m ³ MUD	9.32	8.56				
SLURRY WEIGHT	1901	1901				
MIXING TIMES — START	11:12	12:08				
— FINISH	11:18	12:15				
DISPLACING TIMES — START	11:30	12:22				
— FINISH	11:35	12:32				
FELT PLUG TIME	No Feel	No Feel				
FELT PLUG DEPTH						

SURFACE CASING CUT 1+ m BELOW GROUND. SURFACE PLUG 10 SACKS PLATE WELDED XCASING SALVAGE: SHOT OFF @ Nil NUMBER OF JOINTS RECOVERED Nil

REMARKS: 10m of casing filled w/ cement and capped w/ steel plate. Topped off mouse
and rathole w/ cement. Filled velocity survey BBL w/ cement to 1.5m from
surface. Cut off 1m below ground and cap w/ steel plate.

D. GEOLOGY

D. GEOLOGY

A Geological Report submitted by the consulting wellsite geologist is present in the appendices and is referenced where applicable.

i) Drill Cuttings

Drill cuttings were sampled at 5m intervals from 410m to 1755m (TD). Canned Geochemical samples were taken at 10m intervals from 410m to 1755m (FTD). Samples for Paleontological study were taken at 5m intervals from 410m to 1755m (TD). Samples were distributed to the I.S.P.G. Calgary and C.O.G.L.A. Yellowknife as per C.O.G.L.A. guidelines.

ii) Cores

No cores were cut.

iii) Lithology

Complete lithologic descriptions are tabled in the wellsite Geologic Report (in attached pouch).

iv) Stratigraphic Column

Stratigraphy penetrated is tabled in the Wellsite Geologic Report and its' accompanying strip log (in attached pouch).

57
E,
WELL
EVALUATION

E. WELL EVALUATION

i) Down Hole Logs

See attached pouch.

Run #1 (Intermediate Hole)

Schlumberger DIL-SFL-SP
BHC sonic-GR-Cal.

Run #2 (Main Hole)

Schlumberger DIL-SFL-SP
BHC Sonic-GR-Cal
CNL-LDT-GR-Cal
WST-Velocity survey

ii) Other Logs

None were run.

iii) Velocity Survey

See the attached pouch.

iv) Formation Stimulation

None were done.

v) Formation and Production Tests

DST #1 1690 - 1700 mKB (Pine Point)

PF. WAB dead immediately.

V0. VWAB throughout.

(NGTS)

Times 15-60-120-120 (mins.)

HP 18,388 - 18,123 kPa

FP 1049 - 1251 - 1758

SIP 14,775 - 14,645 kPa.

Recovery: Total 176m, consisting of: 88m corban inhibitor and water
69m drilling mud
19m salt water.

F. ENVIRONMENTAL REPORT

F. ENVIRONMENTAL REPORT

Not required for on-shore well.

0

g, APPENDICES
TO WELL HISTORY

G. APPENDICES TO WELL HISTORY REPORT

- i) Water Analyses
- iii) Drillstem Test Report
- x) Deviation Record
- xiv) Final Survey Plan

NOTE: All other Appendices have been included elsewhere (in attached pouch) in the report or are not applicable.



AGAT Laboratories



CALGARY

EDMONTON

GRANDE PRAIRIE

WATER ANALYSIS

CONTAINER IDENTIFICATION

PR #11

LABORATORY NUMBER

W675013

OPERATOR NAME

SULPETRO LIMITED

XXXXXX

UNIQUE WELL IDENTIFIER

F-08

WELL NAME

SULPETRO et al TROUT LAKE F-08

ELEVATIONS

520.7

515.1

FIELD OR AREA

TROUT LAKE

POOL OR ZONE

PINE POINT

NAME OF SAMPLER

SCOTT

COMPANY

TEST TYPE

DST

NO

1

TEST RECOVERY

176m(88m CARBON & H2O, 69m DRLG MUD, 19m SALT H2O)

SAMPLING POINT

ABOVE TOOL

AMT & TYPE OF CUSHION

MUC RESISTIVITY @ 25°C

S 25°C

TEST INTERVAL OR PERFS

1690-1700

mKB

TYPE OF PRODUCTION

PUMPING

FLOWING

GAS LIFT

SWAB

PRODUCTION RATES

WATER

m/d

OIL

m/d

GAS

103 m/d

GAUGE PRESSURE kPa

TEMPERATURE °C

SEPARATOR

TREATER

RESERVOIR

SOURCE

SAMPLED

RECEIVED

DATE SAMPLED (Y-M-D)

86-02-13

DATE RECEIVED (Y-M-D)

86-02-18

DATE REPORTED (Y-M-D)

86-02-19

ANALYST

B, G, A, C, C, K

OTHER INFORMATION

ION	$\frac{m \cdot V \cdot 1}{g \cdot m \cdot J}$	MASS FRACTION	$\frac{c}{mol \cdot m \cdot J}$
Na	21900.0	0.253	953.0
K	1310.0	0.015	33.5
Ca	7250.0	0.084	181.0
Mg	700.0	0.008	28.8
Ba	N.A.	N.A.	N.A.
Sr	N.A.	N.A.	N.A.
Fe	384.0	0.004	6.9

ION	$\frac{m \cdot V \cdot 1}{g \cdot m \cdot J}$	MASS FRACTION	$\frac{c}{mol \cdot m \cdot J}$
Cl	54500.0	0.630	1540.0
Br	N.A.	N.A.	N.A.
I	N.A.	N.A.	N.A.
HCO ₃	255.0	0.003	4.2
SO ₄	243.0	0.003	2.5
CO ₃	NIL	NIL	NIL
OH	NIL	NIL	NIL
H ₂ S	N.D.	N.D.	N.D.

DISSOLVED TOTAL SOLIDS

EVAPORATED AT 110° C

EVAPORATED AT 180° C

AT IGNITION

CALCULATED

86500.0

RELATIVE DENSITY

1.065 @ 25°C

REFRACTIVE INDEX

N.A. @ 25°C

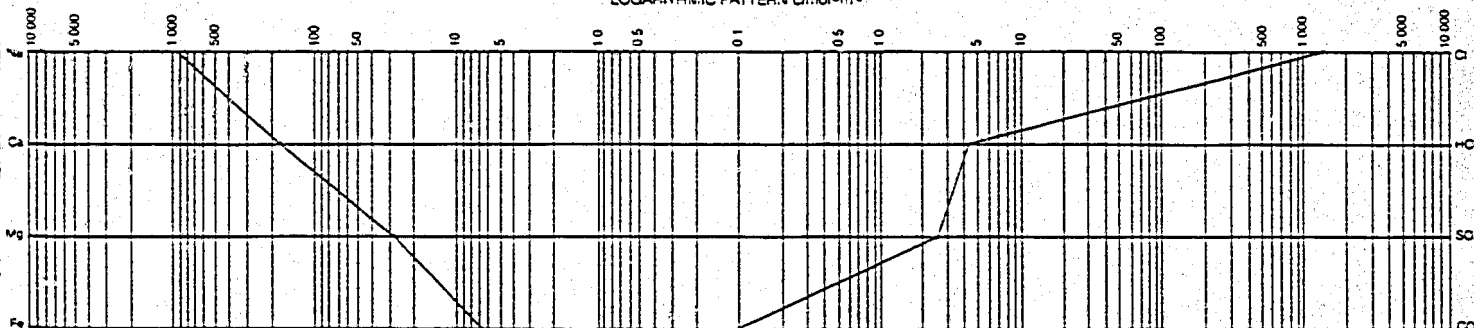
OBSERVED pH

6.10 @ 25°C

RESISTIVITY @ 25°C

0.08 @ 25°C

SALINITY = 9.24%

LOGARITHMIC PATTERN c/mol·m⁻³

REMARKS:

TR = LESS THAN 0.1 N.D. = NOT DETECTED NIL = 0.0 TRC = LESS THAN 0.001 N.A. = NOT ANALYZED



AGAT Laboratories



CALGARY

EDMONTON

GRANDE PRAIRIE

WATER ANALYSIS

CONTAINER IDENTIFICATION

PB 41

LABORATORY NUMBER

W67501A

OPERATOR NAME

SULPETRO LIMITED

XXXXX

UNIQUE WELL IDENTIFIER

F-08

WELL NAME

SULPETRO et al TROUT LAKE F-08

ELEVATIONS

520.7

515.1

FIELD OR AREA

TROUT LAKE

POOL OR ZONE

PINE POINT

NAME OF SAMPLER

SCOTT

COMPANY

TEST TYPE

DST

NO

1

TEST RECOVERY

176m< 88m CARBON & H2O, 59m DRLG MUD, 19m SALT H2O

SAMPLING POINT

BHS

AMT & TYPE OF CUSHION

MUD RESISTIVITY: $\Omega \cdot m$

25°C

TEST INTERVAL OR PERFS

1690-1700

mKB

TYPE OF PRODUCTION

PUMPING

FLOWING

GAS LIFT

SWAB

PRODUCTION RATES

WATER

m³/d

OIL

m³/d

GAS

10³ m³/d

SEPARATOR

TREATER

RESERVOIR

SOURCE

SAMPLED

RECEIVED

GAUGE PRESSURE kPa

TEMPERATURE °C

DATE SAMPLED (Y-M-D)

86-02-13

DATE RECEIVED (Y-M-D)

86-02-18

DATE REPORTED (Y-M-D)

86-02-19

ANALYST

B, G, A, C, C, K

OTHER INFORMATION

ION	m = v · g · m ⁻³	MASS FRACTION	c mol · m ⁻³
Na	6120.0	0.275	266.0
K	325.0	0.015	8.3
Ca	1370.0	0.061	34.3
Mg	163.0	0.007	6.7
Ba	N.A.	N.A.	N.A.
Sr	N.A.	N.A.	N.A.
Fe	74.0	0.003	1.3

ION	m = v · g · m ⁻³	MASS FRACTION	c mol · m ⁻³
Cl	13500.0	0.606	380.0
Br	N.A.	N.A.	N.A.
I	N.A.	N.A.	N.A.
HCO ₃	438.0	0.020	7.2
SO ₄	290.0	0.013	3.0
CO ₃	NIL	NIL	NIL
OH	NIL	NIL	NIL
H ₂ S	N.D.	N.D.	N.D.

DISSOLVED TOTAL SOLIDS

EVAPORATED AT 110°C

EVAPORATED AT 150°C

AT IGNITION

CALCULATED

22300.0

RELATIVE DENSITY

1.019 @ 25°C

REFRACTIVE INDEX

N.A. @ 25°C

OBSERVED DM

6.48 @ 25°C

RESISTIVITY/CM

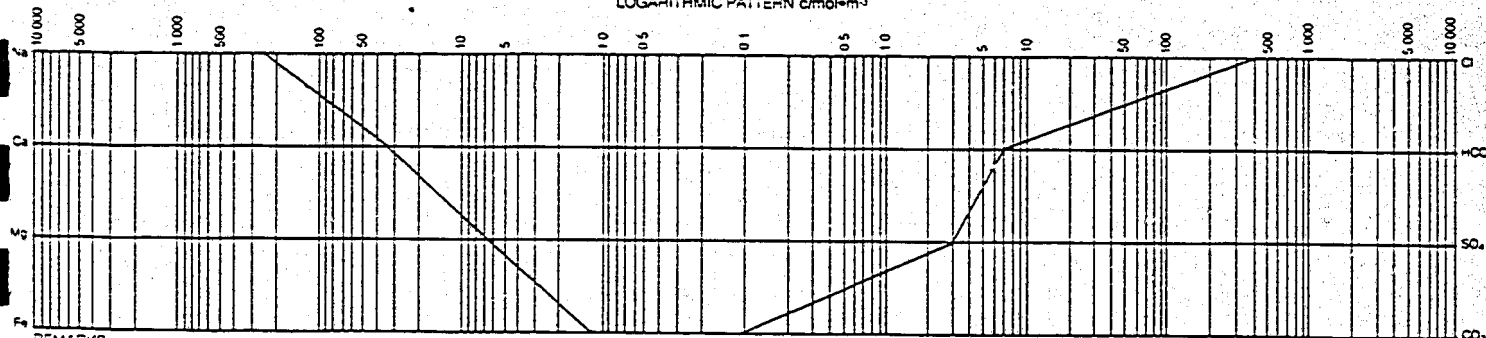
0.27 @ 25°C

SALINITY = 2.39%

DST CHAMBER #1

O.P. = 35kPa

RECOVERY = 3 LITRES MUD

LOGARITHMIC PATTERN cmol·m⁻³

REMARKS:

R = LESS THAN 0.1 N.D. = NOT DETECTED NIL = 0.0 TRC = LESS THAN 0.001 N.A. = NOT ANALYZED

DRILL STEM TEST - Technical Report
Report date: 86/ 2/19

Well name.....SULPETRO ET AL N TROUT L.
Location.....121-01-24 60-38-34
U. well id.....100/08-00-000-00W0/10
Test number..... 1
Interval tested....1690.0 m. to 1700.0 m.
Formation.....PINE POINT
Date of test.....86/ 2/13

Conducted by:

Scott Testers (1978) Ltd.
100, 625 - 4 th. Ave. S.W.
Calgary, Alberta, Canada T2P 0K2
Telephone (403) 262-7222

Analyzed and reported by:

Meyer Technical Services
100, 625 - 4 th. Ave. S.W.
Calgary, Alberta, Canada T2P 0K2
Telephone (403) 262-7222

Test date : 86/ 2/13

DST # : 1

Report page : 1

Well name: SULPETRO ET AL N TROUT LAKE Interval: 1690.0 m. to 1700.0 m.

Location: 121-01-24 60-38-34

Interval(subsea): -1169.3 m. to -1179.3 m.

Formation: PINE POINT

Recorder information :

Serial #..... 4119
Position..... I
Depth..... 1684.6 m.
Subsea depth.. -1163.9 m.
Capacity..... 27579 kPa.

Pressure (kPa)

1) Initial Hydro. : 18388
2) 1st. Flow Start : 966
3) 1st. Flow End : 1049
4) END 1st. Shutin : 14775
5) 2nd. Flow Start : 1251
6) 2nd. Flow End : 1758
7) END 2nd. Shutin : 14645
8) Final Hydro. : 18123

Test Times (min.)

1st. Flow : 15
1st. Shutin : 60
2nd. Flow : 120
2nd. Shutin : 120

Extrapolated Horner P @ 1st. Shutin : 14896.8 kPa
Horner slope @ 1st. Shutin : 1246.71 kPa/cyc
Extrapolated Horner P @ 2nd. Shutin : 15228.9 kPa
Horner slope @ 2nd. Shutin : 1760.35 kPa/cyc

Recovery Data Summary :

Total fluid recovered on this test was 176 m
consisting of 88 m of corban and water, 69 m of
drilling mud, 19 m of salt water. No gas to
surface.

Remarks :

Test results indicate a mechanically successful
test. Bottom hole pressures and the shape of the
shutin curves suggest LOW PERMEABILITY within the
interval tested. The clock stopped during the
final shutin on recorder #3077.

Test date : 86/ 2/13

DST # : 1

Report page : 2

Test type.....DUAL BY PASS STRADDLE Company :

Started in hole @...03:30:

Tool opened @.....08:02:

Reset?..... NO

SULPETRO LTD.

#3200, 255 - 5TH AVE S.W.

CALGARY, ALTA.

T2P 3G6

K.B. elevation... 520.7 m.

Grd. elevation... 515.1 m.

TD @ test date... 1755 m.

Contractor & Rig#...CANADRILL 2

Ticket number....9848

Company rep...JACK LISCHKA

Unit number.....

Tester.....LAVERNE FOLEY

Mud and hole data:

Mud type.....GEL CHEM

Filter cake..... 0.0 mm.

Mud weight.....1080.0 kg/m³

M.hole or C.size....159.0 mm.

Mud viscosity..... 58.0 s/l

Water loss..... 0.00 ml.

Calipered hole size @ test depth..... 0 mm.

Hole condition @ test time..... GOOD

Hole conditioned prior to test..... NO

Temperature @ 1684.6 m..... 85.0 C

Total fluid recovery :

Total fluid recovered 176 metres
consisting of:

Reverse circulated ? NO

of fluid samples..... 8

Samples sent to.....AGET LABS

B.H. sampler #.....

B.H. smplr sent to.....

88 m. of CORBAN AND WATER

69 m. of DRILLING MUD

19 m. of SALT WATER

Flow description:

On pre-flow, very weak initial puff, dead
immediately. No gas to surface.

On valve open, very weak air blow. No gas to
surface.

Test date : 86/ 2/13

DST # : 1

Report page : 3

Gas Measurements :

Device.....

Gas Bomb #.....

Riser size... 50.8 mm.

Gas Bomb sent to...

No gas readings.

Time-pressure listing:

Chart Label	Comments	Time (min.)	Delta P. (kPa)	Press. (kPa)	(T+dt)/dt (Dim.time)
1	INITIAL Hydrostatic			18388	
2	START of 1st. flow	0		966	
3	END of 1st. flow	15		1049	
	1st. shutin period	0		1049	
		2	674	1723	8.5000
		4	12579	13628	4.7500
		6	12881	13930	3.5000
		8	13094	14143	2.8750
		10	13211	14260	2.5000
		12	13286	14335	2.2500
		14	13355	14404	2.0714
		16	13424	14473	1.9375
		18	13479	14528	1.8333
		20	13520	14569	1.7500
		25	13596	14645	1.6000
		30	13630	14679	1.5000
		35	13651	14700	1.4286
		40	13671	14720	1.3750
		45	13692	14741	1.3333
		50	13705	14754	1.3000
		55	13719	14768	1.2727
4	End of 1st. shutin	60	13726	14775	1.2500
5	START of 2nd. flow	0		1251	
6	END of 2nd. flow	120		1758	
	2nd. shutin period	0		1758	
		2	403	2161	68.5000
		4	1432	3190	34.7500
		6	10785	12543	23.5000
		8	11217	12975	17.8750
		10	11478	13236	14.5000
		12	11650	13408	12.2500

Test date : 86/ 2/13

DST # : 1

Report page : 4

Time-pressure listing:

Chart Label	Comments	Time (min.)	Delta P. (kPa)	Press. (kPa)	(T+dt)/dt (Dim.time)
		14	11760	13518	10.6429
		16	11829	13587	9.4375
		18	11918	13676	8.5000
		20	11980	13738	7.7500
		25	12131	13889	6.4000
		30	12248	14006	5.5000
		35	12344	14102	4.8571
		40	12392	14150	4.3750
		45	12447	14205	4.0000
		50	12495	14253	3.7000
		55	12536	14294	3.4545
		60	12577	14335	3.2500
		70	12646	14404	2.9286
		80	12687	14445	2.6875
		90	12722	14480	2.5000
		100	12811	14569	2.3500
		110	12873	14631	2.2273
7	End of 2nd. shutin	120	12887	14645	2.1250

8 FINAL Hydrostatic

18123

Horner Extrapolation based on 1st.Shutin : 14896.8 kPa
corresponding Horner slope : 1246.713 kPa/cyc

Horner Extrapolation based on 2nd.Shutin : 15228.9 kPa
corresponding Horner slope : 1760.347 kPa/cyc

For use with following Horner calculations

Initial shutin:

$(Ft+t)/t$	$\log_{10}((Ft+t)/t)$	Pressures (kPa or $kPa^2/10^6$)
8.5000	0.9294	1723.000000
4.7500	0.6767	13428.000000
3.5000	0.5441	13930.000000
2.8750	0.4586	14143.000000
2.5000	0.3979	14260.000000
2.2500	0.3522	14335.000000
2.0714	0.3163	14404.000000
1.9375	0.2872	14473.000000
1.8333	0.2632	14528.000000
1.7500	0.2430	14569.000000
1.6000	0.2041	14645.000000
1.5000	0.1761	14679.000000
1.4286	0.1549	14700.000000
1.3750	0.1383	14720.000000
1.3333	0.1249	14741.000000
1.3000	0.1139	14754.000000
1.2727	0.1047	14768.000000
1.2500	0.0969	14775.000000

Second shutin:

$(Ft+t)/t$	$\log_{10}((Ft+t)/t)$	Pressures (kPa or $kPa^2/10^6$)
68.5000	1.8357	2161.000000
34.7500	1.5410	3190.000000
23.5000	1.3711	12543.000000
17.8750	1.2522	12975.000000
14.5000	1.1614	13236.000000
12.2500	1.0891	13408.000000
10.6429	1.0271	13518.000000
9.4375	0.9749	13587.000000
8.5000	0.9294	13676.000000
7.7500	0.8893	13738.000000
6.4000	0.8062	13889.000000
5.5000	0.7404	14006.000000
4.8571	0.6864	14102.000000
4.3750	0.6410	14150.000000
4.0000	0.6021	14205.000000
3.7000	0.5682	14253.000000
3.4545	0.5384	14294.000000
3.2500	0.5119	14335.000000
2.9286	0.4667	14404.000000
2.6875	0.4293	14445.000000
2.5000	0.3979	14480.000000
2.3500	0.3711	14569.000000
2.2273	0.3478	14631.000000
2.1250	0.3274	14645.000000

MEYER
TECHNICAL SERVICES
CALGARY, ALBERTA

Initial shutin Horner Plot

SULPETRO_ET_AL_N_TROUT_LAKE
Dst# 1

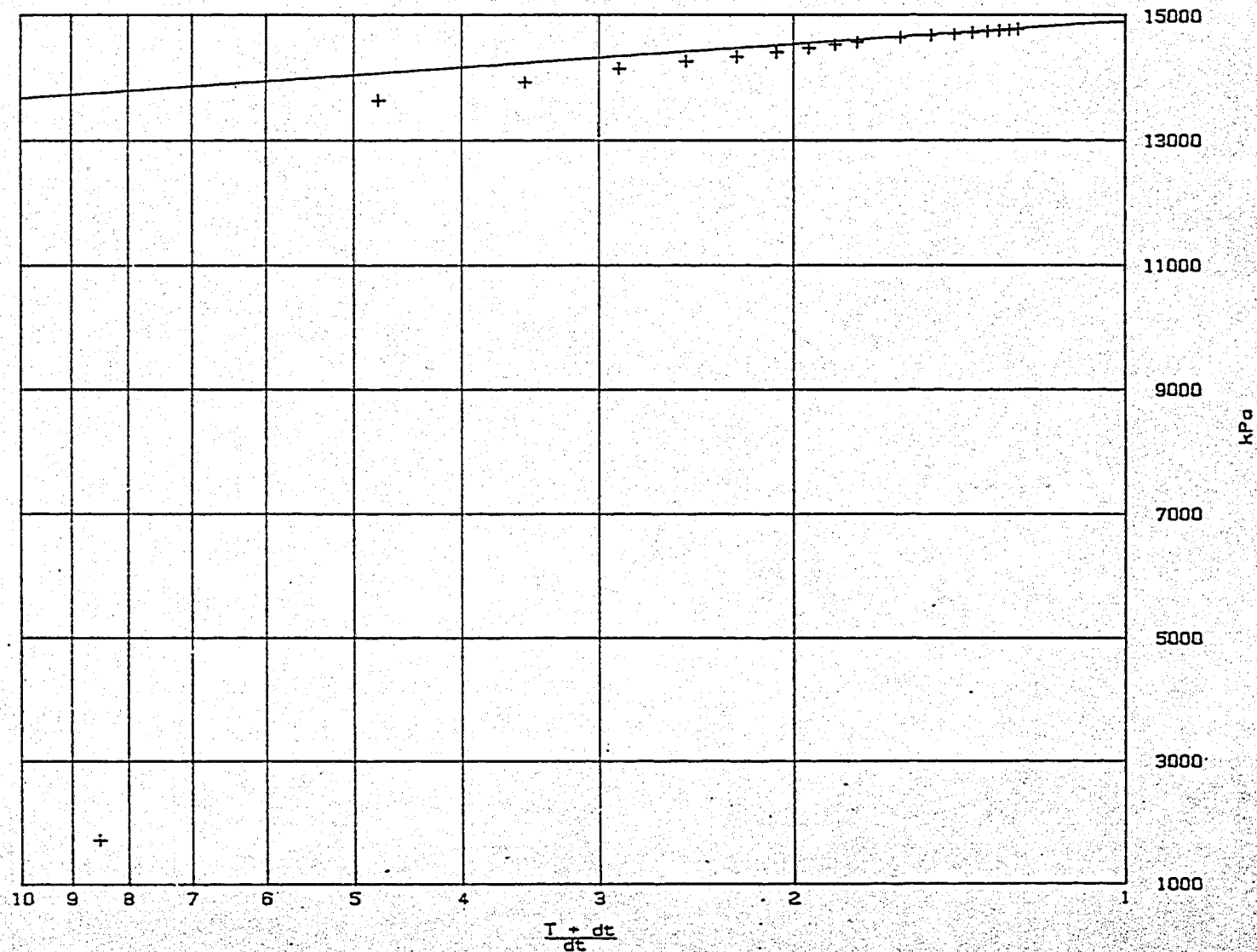
Test date: 86/02/13
Rec. Serial: 4119

Horner extrapolated
pressure:

14896.8
kPa

Horner slope:

1246.7130
kPa/cycle



MEYER
TECHNICAL SERVICES
CALGARY, ALBERTA

Second shutin Horner Plot

SULPETRO_ET_AL_N_TROUT_LAKE
Dst# 1

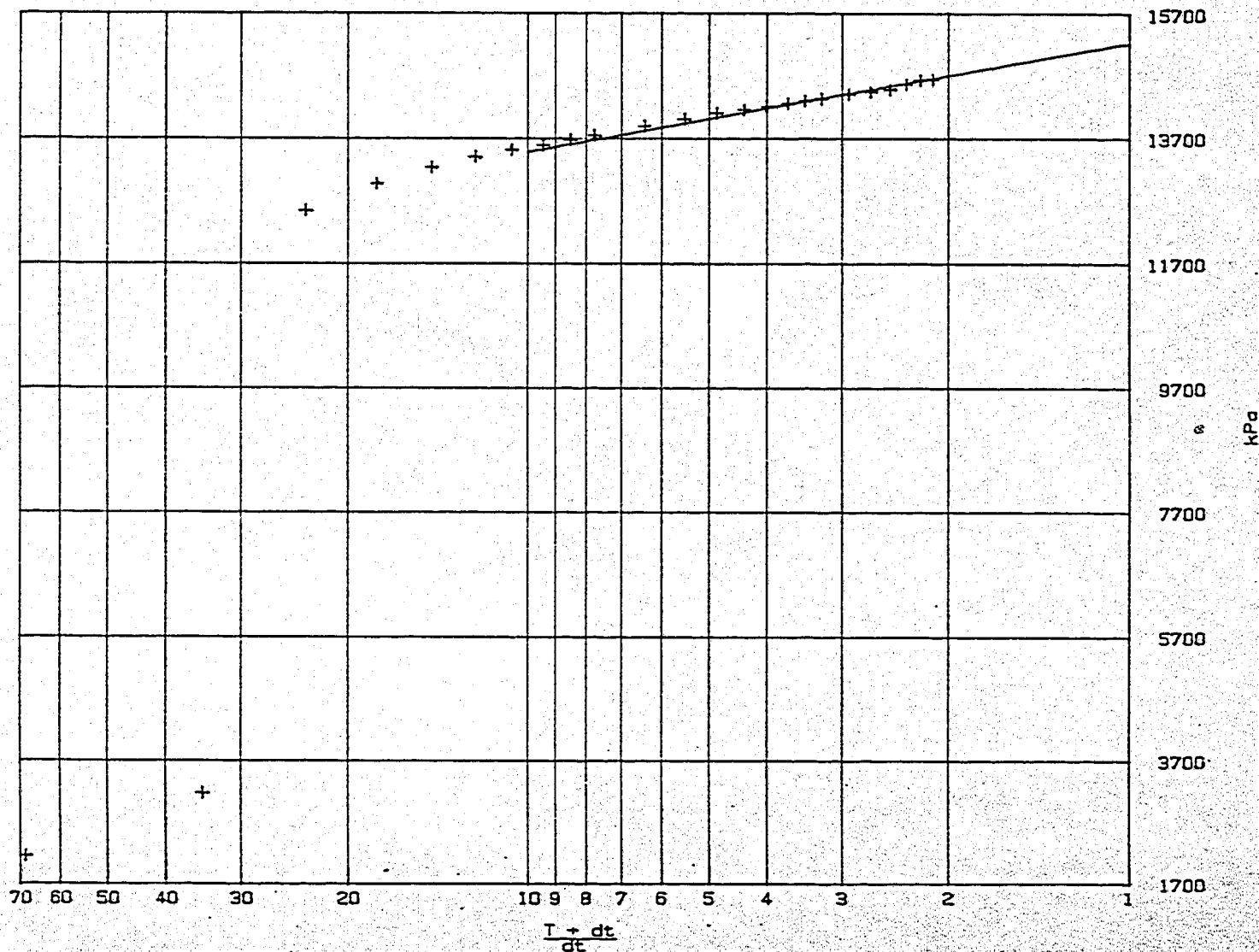
Test date: 86/02/13
Rec. Serial: 4119

Horner extrapolated
pressure:

15228.9
kPa

Horner slope:

1760.3470
kPa/cycle



Recorder summary:

Serial#.....4119
Position....I
Depth.....1684.6 m.
Capacity.... 27579 kPa

Pressure (kPa)

- 1) Initial Hydro. : 18388
- 2) 1st. Flow Start : 966
- 3) 1st. Flow End : 1049
- 4) END 1st. Shutin : 14775
- 5) 2nd. Flow Start : 1251
- 6) 2nd. Flow End : 1758
- 7) END 2nd. Shutin : 14645
- 8) Final Hydro. : 18123

Test Times (min.)

- 1 st. flow : 15
1 st. shutin : 60
2 nd. flow : 120
2 nd. shutin : 120

Serial#.....3077
Position....0
Depth.....1698.5 m.
Capacity.... 29302 kPa

Pressure (kPa)

- 1) Initial Hydro. : 18408
- 2) 1st. Flow Start : 1103
- 3) 1st. Flow End : 1216
- 4) END 1st. Shutin : 15030
- 5) 2nd. Flow Start : 1475
- 6) 2nd. Flow End : 1985
- 7) END 2nd. Shutin : 1701
- 8) Final Hydro. : 17689

Serial#.....6889
Position.....A
Depth.....1674.4 m.
Capacity.... 22064 kPa

Pressure (kPa)

- 1) Start preflow : 657
- 2) End preflow : 1084
- 3) Start valve op: 1084
- 4) End value op: 1690
- 5) Hydro of recov: 16701

Test Times (min.)

- 1 st. flow : 15
- 1 st. shutin : 60
- 2 nd. flow : 120
- 2 nd. shutin : 120

Serial#.....10336
Position.....D
Depth.....1706.2 m.
Capacity.... 47574 kPa

Pressure (kPa)

- 1) Initial Hydro. : 18631
- 2) 1st. Flow Start : 0
- 3) 1st. Flow End : 0
- 4) END 1st. Shutin : 0
- 5) 2nd. Flow Start : 0
- 6) 2nd. Flow End : 0
- 7) END 2nd. Shutin : 0
- 8) Final Hydro. : 18631

DEVIATION SURVEYS - F-08

<u>DEPTH</u>	<u>DEGREES</u>	<u>DEPTH</u>	<u>DEGREES</u>
33 -	1	1199 -	2
61 -	1/2	1218 -	1 3/4
95 -	1 1/2	1227 -	3 3/4 ?
117 -	1	1227 -	1 3/4
145 -	7/8	1246 -	1 3/4
163 -	1/2	1265 -	1 1/4
201 -	7/8	1284 -	1
219 -	1/2	1312 -	3/8
247 -	3/4	1340 -	1
275 -	1 1/4	1359 -	1
294 -	1	1378 -	2
336 -	3/4	1396 -	2
352 -	7/8	1399 -	2
379 -	3/4	1411 -	1 3/8
410 -	3/4	1429 -	2
557 -	1/2	1449 -	1 7/8
615 -	7/8	1468 -	1 1/2
697 -	1/4	1481 -	1 1/4
725 -	1/8	1518 -	1 3/4
785 -	1/4	1536 -	1
850 -	1/4	1547 -	1
907 -	1/2 ₊	1680 -	1 7/8
982 -	7/8	1755 -	1 1/4
1057 -	7/8		(FTD)
1123 -	7/8		

CANADA OIL AND GAS LANDS
ADMINISTRATION
ADMINISTRATION DES TERRES ET DU
PÉTROLE

OCT 20 1986

ENGINEERING AND CONTROL
BRANCH
TECHNIQUE ET DU CONTRÔLE

GEOLOGICAL REPORT

SULPETRO ET AL TROUT LAKE F-8

Lat. $60^{\circ}37'15''$ N. Long $121^{\circ}1'24''$ W.
NORTHWEST TERRITORIES

PREPARED BY

L.F. COTE

CONSULTING GEOLOGIST

SULPETRO OIL LIMITED
GEOLOGICAL WELL SUMMARY

WELL NAME: SULPETRO et al TROUT LAKE F-8

LOCATION: Unit F, Section 08, Grid Area 60-40-121-00

COORDINATES: Lat. 60°37'15"N. Long. 121°1'24" W.

FIELD: Wildcat

ELEVATIONS: Ground 515.13 m. KB 520.7 m.

CONTRACTOR: Canadrill. Rig No. 2

SPUDDED: 4:30 AM Jan. 13, 1986

SURFACE CASING: Ran 33 Joints 244 mm 53.6 k-55 ST&C New Casing. Total 411.68. Set at 410 m. Cement with 45 Tonne Class G 0-1-0 + 2% CaCl₂. Plug down 19:47 Jan. 16, 1986

INTERMEDIATE CASING: Ran 92 Joints 178 mm K-55 - 29.7 kg/m. ST&C 1163.75 mm, + 32 Joints 178 mm 34.2 kg/m K-55 LT&C 384.08 m. Cement with 42.7 m³ Class "G" 1-2-1 + .5% T-10 (Plug down 08:15 Feb. 3, 1986)

FINAL TOTAL DEPTH: 1755 m. in Precambrian

RIG RELEASED: 0600 Hours 86-02-15

STATUS: Dry and Abandoned

SUPERVISION: Geological: L. Cote
Drilling: J. Lsichka

<u>FORMATION MARKERS</u>	<u>LOG DEPTH</u>	<u>SUBSEA</u>
EXSHAW	502	+ 18.7
KOTCHO LIMESTONE	540.5	- 19.8
TETCHO	715	- 194.3
JEAN MARIE	1032.5	- 511.8
FORT SIMPSON	1048	- 527.3
SLAVE POINT	1537.5	-1016.8
WATT MOUNTAIN MARKER	1607	-1086.3
SULPHUR POINT	1610	-1089.3
PINE POINT	1630.5	-1109.8
LOWER KEG RIVER	1705	-1184.3
LOWER ELK POINT	1726	-1205.3
PRECAMBRIAN	1739	-1218.3
TOTAL DEPTH	1755 m.	

SAMPLE INTERVAL:

5 m. Samples from 410 m to 1755 (TD)
10 m. Samples Canned from 410 m to 1755 m (TD)

CORE DATA:

Nil

LOGGING:

Schlumberger

Intermediate Run

1. Dual Induction SFL 1545.5 m. - 411 m. (Surface Casing)
2. BHC Sonic Gamma Ray 1545.5 m. - 411 m.

Final Run

1. Dual Induction SFL 1753 - 1545 (Int. Casing Depth)
2. BHC Sonic Gamma Ray 1743 - 1545
3. CNL CDT GR 1754 - 1545
4. Velocity Survey

Total Depth Driller 1755.2

Total Depth Logger 1754.8

DRILL STEM TESTS:

Scott Testers

DST #1 1690 - 1700 Pine Point

PF. WAB Dead Immediately

VO. VWAB Dead Immediately

<u>IHP</u>	<u>FHP</u>	<u>PF</u>	<u>IFP</u>	<u>FFP</u>	<u>ISIP</u>	<u>FSIP</u>
18221	18221	1182	1390	1877	14947	14810

Rec. 88 m. Inhibitor Water

69 m. Drilling Mud, Slightly Gas Cut

19 m. Salt Water (82,100 PPM)

DEVIATION RECORD:

410	3/4°	1199	2°	1378	2°	1481	1 3/4°
557	1/2°	1218	1 3/4°	1396	2°	1536	1°
615	7/8°	1227	3°	1399	2°	1547	1°
697	1/2°	1284	1°	1411	1 3/8°	1690	1 7/8°
725	0°	1312	3/8°	1429	2°	1755	1 1/2°
785	1/2°	1340	1°	1449	1 7/8°		
850	1/2°	1359	1°	1468	1 1/2°		

BIT RECORD:

BIT NO.	TYPE	SIZE	DEPTH IN	DEPTH OUT	TOTAL METERS	CUMULATIVE HOURS
1A	Y11	349	0	175	175	24½
2A	Y11	349	175	336	161	16½
3A	Y11	349	336	410	74	9½
1	HP12	222	410	794	315	24
2	HP51A	222	794	1227	502	73
3	HP51D	222	1227	1399	172	36 3/4
4	1S13G	222	1399	1486	90	21½
5	RR#3 (HP51D)	222	1486	1547	233	51 3/4
5	Y21R	222	1547	1563	16	6 3/4
6	S248	222	1563	1684	121	50½
7	HP53	222	1684	1740	56	22
8	HP53	222	1740	1755	15	10

SULPETRO ET AL TROUT LAKE F8

60°37'15"N 121°1'24"W

- 410 - 415 Shale, medium to dark grey, slightly calcareous, finely micaceous, platy, some blocky.
Common trace varicolored quartz grains, medium to coarse grained, subround.
Cement cavings abundant.
- 415 - 425 Shale, medium to dark grey, slightly calcareous, finely micaceous, platy to blocky.
Trace shale grey brown, slightly calcareous, silty in part, blocky, some platy.
Minor trace quartz pebbles as above.
- 425 - 450 Shale, medium to dark grey, slightly calcareous, finely micaceous, occasional grey brown siltstone laminae, slightly calcareous.
- 450 - 455 Shale, medium to dark grey as above and brown, slightly calcareous, finely micaceous, silty in part.
Trace grey-brown siltstone.
- 455 - 480 Shale, medium to dark grey as above.
- 480 - 500 Shale as above.
Trace varicolored quartz pebbles, subround.
Trace grey-brown siltstone.
- 500 - 505 Shale, dark brown, bituminous, slightly calcareous, soft, platy and blocky.
- EXSHAW SHALE 502 +17.9
- 505 - 510 Shale dark brown, bituminous, slightly calcareous.
- 510 - 515 Shale medium to dark grey, slightly calcareous, finely micaceous, platy, some blocky.
Common trace bituminous shale as above.
Trace varicolored quartz pebbles.
Trace dark grey chert fragments.
- 515 - 520 Shale, dark grey, slightly calcareous, finely micaceous, platy, some blocky.
Trace limestone, grey-brown, very fine crystalline, very argillaceous in part, trace crinoid and brachiopod fragments. Trace Ostracod.

- 520 - 530 Shale, dark grey as above.
Traces as above.
- 530 - 535 Shale, medium to dark grey, slightly calcareous, finely micaceous,
silty in part, blocky and platy.
Trace limestone as above.
- 535 - 540 Shale, medium to dark grey as above and shale grey-brown, slightly
calcareous, finely micaceous, blocky, some platy.
Trace limestone as above.
- 540 - 545 Limestone, light grey to buff brown, microcrystalline to very
fine crystalline, argillaceous in part, silty in part, crinoid
fragments, trace brachiopod fragments, tight.
- 545 - 550 Limestone, as above, tight.
- 550 - 555 Limestone, as above.
Shale medium to dark grey, abundant.
- 555 - 560 Shale, medium to dark grey and grey-green, slightly calcareous,
finely micaceous, platy and blocky.
Common trace limestone as above.
- 560 - 565 Shale, medium grey and grey-green, slightly calcareous, finely
micaceous, platy, some splintery, with thin limestone inter-
beds, buff to light grey, microcrystalline, argillaceous in
part, trace crinoid and brachiopod fragments, trace Ostracod
fragments.
- 565 - 570 Shale, as above.
Trace limestone as above.
- 570 - 595 Shale, grey to grey-green as above.
- 595 - 605 Shale, grey to grey-green, slightly calcareous, finely micaceous,
silty in part, platy, some blocky.
Trace limestone, buff to light brown, microcrystalline,
occasional clear calcite "eyes", fragmental in part, trace
crinoid and brachiopod fragments, trace Ostracod and gastropod
fragments, tight.
- 605 - 615 Shale, grey and grey-green as above, some brown, very calcareous,
finely micaceous, silty in part.
Common trace limestone as above, biofragmental at times.
- 615 - 625 Shale, as above with occasional thin limestone interbeds as above.

- 625 - 630 Sample as above with limestone less common.
- 630 - 635 Shale, grey, grey-green and some brown, slightly calcareous, silty in part, finely micaceous, platy and blocky.
Trace limestone, buff and light brown, argillaceous in part, microcrystalline to very fine crystalline, fragmental in part, fossiliferous (crinoid, brachiopod and Ostracod fragments), tight.
- 635 - 640 Shale, brown, limy, grades in part to marlstone, finely micaceous, silty in part, soft, blocky, some platy.
Common trace shale grey and grey-green as above.
Common trace limestone as above.
- 640 - 645 Shale, grey-green, some grey, slightly to very calcareous, silty in part.
Common trace limestone as above.
- 645 - 655 Shale, brown, limy, some grading to marlstone, some shale grey and grey-green as above.
Trace fossiliferous limestone as above.
- 655 - 660 Shale, grey and grey-green, calcareous, silty in part, finely micaceous.
Trace brown limy shale and limestone as above.
- 660 - 665 Shale, brown, limy, grading at times to brown marlstone.
Trace shale grey and grey-green. Trace limestone as above.
- 665 - 670 Shale, grey and grey-green, calcareous, as above.
Trace brown limy shale and limestone as above.
- 670 - 680 Shale, brown, limy, finely micaceous.
Common trace grey and grey-green shale.
Trace limestone as above.
- 680 - 690 Shale, grey and grey-green with trace brown limy shale as above.
Trace limestone as above.
- 690 - 700 Shale, grey and grey-green, calcareous, finely micaceous, blocky, some platy.
Minor trace limestone as above.
- 700 - 705 Shale as above.
Common trace limestone as above with crinoid stems common.
- 705 - 715 Shale, grey and grey-green, calcareous, silty in part, finely micaceous.
Trace limestone as above.

- 715 - 730 Limestone, buff to light grey and light brown, micro to very fine crystalline, argillaceous in part, fossiliferous (crinoid, brachiopod fragments), occasional white and clear calcite "eyes", tight.
Trace shale as above.
- 730 - 735 Limestone, buff to light brown, micro to very fine crystalline, slightly argillaceous, occasional white calcite "eyes", trace fossil debris, trace disseminated pyrite, tight.
Trace shale grey-green, limy, blocky, some platy.
- 735 - 745 Limestone, as above, crinoid and brachiopod fragments.
Minor trace shale as above.
Trace clear calcite rhombs.
- 745 - 750 Limestone, buff to light and trace medium brown, micro to very fine crystalline, argillaceous in part, occasional white calcite "eyes" (inclusions), chalky in part, trace diss. pyrite, minor trace calcite crystal lined vugs.
With interbedded shale grey-green and brown, calcareous, silty in part, finely micaceous, platy, some blocky.
- 750 - 760 Limestone, buff to light brown with trace medium brown, micro-crystalline to very fine crystalline, slightly argillaceous in part, chalky in part, occasional white and clear calcite inclusions, trace disseminated pyrite, trace brachiopod and crinoid fragments, tight, at times finely sucrosic. Light to medium brown limestone is dominant rock color.
- 760 - 780 Limestone as above, mostly very fine crystalline, trace stylolitic structure with sutures often lined with black or brown stain (bitumin) but giving no fluorescence or cut.
- 780 - 785 Limestone, buff and light to medium brown, microcrystalline to very fine crystalline, chalky in part, slightly argillaceous in part, trace brachiopod and crinoid fragments, tight.
- 785 - 790 Limestone, buff to light and medium brown, chalky in part, argillaceous in part, very fine to fine crystalline, fragmental in part, trace brachiopod and crinoid fragments, occasional white calcite inclusions, tight.
Common trace shale, grey-green, calcareous, platy and blocky.
- 790 - 805 Limestone, as above, microcrystalline to fine crystalline with trace medium crystalline.
- 805 - 810 Limestone, light to medium brown, some buff, microcrystalline to fine crystalline, argillaceous and chalky in part, trace brachiopod and crinoid fragments, tight.
Common trace shale, grey-green, calcareous, finely micaceous, platy and splintery, some blocky.

- 810 - 815 Shale as above.
Common trace limestone as above.
Working tight hole. Sample quality poor.
- 815 - 820 Limestone as above.
Shale as above abundant.
Quality of sample questionable.
- 820 - 825 Shale, grey to grey-green, calcareous, micaceous, splintery,
platy, some blocky.
Common trace limestone as above.
- 825 - 835 Limestone, light to medium brown, some buff, microcrystalline
to very fine crystalline, slightly argillaceous, occasional
white and clear calcite inclusions, occasional stylolites,
tight, silty in part.
Common trace shale as above.
- 835 - 840 Shale, grey to grey-green, trace brown, calcareous, finely
micaceous, blocky, some platy and splintery.
Common trace limestone as above, silty in part.
Trace pyrite.
- 840 - 850 Limestone, as above, fine crystalline in part.
Common trace shale as above.
Trace siltstone, light grey green, very calcareous, argillaceous.
- 850 - 855 Limestone as above with shale slightly more abundant.
Trace siltstone as above, some medium grey.
- 855 - 865 Siltstone, grey to light and medium grey green, calcareous,
argillaceous.
Trace limestone and shale as above.
- 865 - 875 Siltstone, buff to grey and grey-green, calcareous, slightly
argillaceous, sandy in part, (clear quartz), finely micaceous
at times.
Minor trace shale and limestone as above.
- 875 - 880 Siltstone as above exhibiting some alternating light and dark
grey laminae. Grades in part to very fine grained silty sand,
calcareous quartzose to salt and pepper.
Interbedded shale, grey-green, calcareous, silty in part.
Trace silty limestone as above.
- 880 - 885 Interbedded siltstone and sandstone as above.
Trace shale and limestone as above.
- 885 - 895 Shale, grey and grey-green as above with thin siltstone,
sandstone and silty limestone interbeds.

- 895 - 905 Shale, as above with interbedded limestone, light to medium brown, microcrystalline to fine crystalline, argillaceous in part, fragmental in part, silty, trace stylolites and siltstone, sandy as above.
- 905 - 915 Shale, medium to dark grey and grey-green, calcareous, silty, occasional thin grey siltstone laminae, with occasional thin interbeds of limestone, grey and grey-brown, microcrystalline to fine crystalline, silty to very silty, argillaceous in part, grading in part to limy siltstone.
- 915 - 925 Shale, medium to dark grey green as above and interbedded siltstone, medium to dark grey-green, limy, sandy in part, slightly argillaceous.
Trace limestone as above.
- 925 - 930 Shale as above with siltstone as above less abundant.
- 930 - 935 Shale as above with interbedded limestone medium brown, very fine to fine crystalline, slightly argillaceous, silty, sandy in part, trace brachiopod and crinoid fragments, tight.
- 935 - 940 Limestone medium brown and grey-brown, micro to fine crystalline, silty and sandy in part, tight, with interbedded shale as above.
- 940 - 945 Shale, medium to dark grey, some grey-green, calcareous, finely micaceous, silty in part, occasional thin grey siltstone laminae, blocky. Trace brown shale.
Trace limestone and siltstone as above.
- 945 - 995 Shale, dark grey, some dark grey-green, calcareous, silty in part, occasional dark grey siltstone laminae.
- 995 - 1000 Shale, as above with thin interbedded siltstone, light grey, limy, slightly argillaceous
- 1000 - 1005 Interbedded shale and siltstone as above with trace limestone grey, fine crystalline, silty, slightly argillaceous, tight.
- 1005 - 1020 Shale, dark grey, some dark grey-green, calcareous, silty in part.
Minor amounts siltstone and limestone as above.
- 1020 - 1025 Limestone, light to medium grey and grey brown, microcrystalline to very fine crystalline, argillaceous, silty in part, tight.
Common trace shale as above.
- 1025 - 1030 Limestone, dolomitic, buff to light grey and light brown, microcrystalline to fine crystalline, slightly argillaceous in part, silty, fragmental, pyritic in part, pelletoidal in part, tight.

- 1030 - 1035 Limestone, buff brown to light brown, very fine crystalline, slightly argillaceous, silty, fragmental, pyritic in part, tight.
- 1035 - 1045 Limestone as above, microcrystalline to very fine crystalline, at times with fine sucrosic appearance, trace crinoid and brachiopod fragments.
- 1045 - 1050 Shale, medium to dark grey, calcareous, silty in part, finely micaceous, blocky.
Common trace limestone as above.
- 1050 - 1055 Shale, as above.
Common trace limestone as above.
- 1055 - 1060 Shale, dark grey, calcareous, silty in part, finely micaceous, blocky.
Trace limestone as above.
- 1060 - 1065 Shale, as above with siltstone stringers grey, calcareous, argillaceous.
- 1065 - 1090 Shale, as above.
Minor trace siltstone as above.
- 1090 - 1140 Shale as above with thin siltstone interbed medium grey, calcareous, slightly argillaceous.
- 1140 - 1145 Shale as above with interbedded siltstone, limy, grey, sandy, argillaceous, finely micaceous in part.
- 1145 - 1150 Shale as above.
Common trace siltstone as above.
Grading in part to silty, sandy limestone.
- 1150 - 1155 Sandstone, grey-brown, calcareous, very fine to fine grained, silty, slightly argillaceous, tight. Grades in part to sandy siltstone.
Common trace shale as above.
- 1155 - 1160 Shale, as above.
Common trace sandstone as above.
- 1160 - 1165 Interbedded shale as above and siltstone, brown and grey brown, calcareous, sandy, slightly argillaceous and sandstone as above.
- 1165 - 1170 Shale, as above with interbedded siltstone, medium grey, calcareous, sandy, slightly calcareous.
- 1170 - 1175 Shale, dark grey, slightly calcareous, stily in part, blocky.
Trace siltstone as above.

- 1175 - 1190 Interbedded shale and siltstone as above.
- 1190 - 1205 Siltstone, medium grey, some grey brown, limy in part, sandy, finely micaceous in part, slightly argillaceous.
Thin shale interbeds. Shale as above.
- 1205 - 1210 Shale, dark grey, calcareous, silty in part, blocky, some platy with interbedded siltstone, medium grey, calcareous, very sandy, slightly argillaceous grading in part to silty, very fine grained quartz sandstone.
- 1210 - 1215 Interbedded shale, siltstone and sandstone as above.
- 1215 - 1225 Sandstone, light to medium grey, calcareous, very fine to fine grained, silty, quartzose, subround, fair sorting, well consolidated, tight.
Some interbedded siltstone and shale as above.
- 1225 - 1230 Shale as above.
Trace siltstone and sandstone as above.
- 1230 - 1270 Shale as above with occasional thin siltstone stringers, grey, calcareous, sandy, slightly argillaceous.
- 1270 - 1285 Shale as above with sandy siltstone stringers as above more abundant.
- 1285 - 1310 Shale as above, with common trace sandy siltstone as above.
- 1310 - 1345 Shale as above with occasional thin siltstone stringers.
- 1345 - 1355 Shale, dark grey and grey-green, slightly calcareous, silty in part, blocky, some platy.
Trace siltstone as above.
- 1355 - 1420 Shale as above with occasional thin siltstone stringers as above.
- 1420 - 1455 Shale, grey, green, slightly calcareous, finely micaceous, waxy in part, platy, some blocky.
Minor trace siltstone as above.
- 1455 - 1460 Shale, grey green, slightly calcareous, finely micaceous, waxy luster in part, platy, some splintery and blocky.
Occasional very thin siltstone stringers, grey-green, calcareous, slightly argillaceous, finely micaceous in part.
- 1460 - 1530 Shale as above with siltstone as above more abundant.
- 1530 - 1535 Shale as above.
Trace shale, dark brown, very slightly calcareous in part, bituminous, blocky.
Common trace siltstone, light to medium grey-green, calcareous, argillaceous in part, finely micaceous.

- 1535 - 1540 Limestone, medium to dark grey brown, microcrystalline to fine crystalline, argillaceous, dense.
Shale as above abundant.
Trace dark brown bituminous shale.
- 1540 - 1542.5 Limestone, buff brown to medium to dark grey brown, microcrystalline to fine crystalline, argillaceous occasional clear calcite inclusions, tight, no shows.
Trace shale as above.
- 1542.5 - 1545 Limestone as above trace medium crystalline, very argillaceous in part, (marly in part) fragmental in part, trace dead bitumin staining.
- 1545 - 1547 Limestone, buff to buff brown and medium to dark grey brown, microcrystalline to very fine crystalline, slightly argillaceous in part, trace white calcite inclusions, trace stylolites lined with black bitumin, chalky and "earthy" in part.
Common trace shale grey-green as above.
- 1547 - 1550 Poor Sample, mostly cement, drilling through intermediate casing shoe.
- 1550 - 1560 Limestone, medium to dark grey brown, some buff, microcrystalline to very fine crystalline, chalky at times, slightly argillaceous in part, occasional white and clear calcite inclusions, trace bitumin lined stylolites, fragmental in part, tight.
- 1560 - 1565 Limestone as above, microcrystalline to fine crystalline, fragmental in part, trace bitumin lined stylolites, tight.
- 1565 - 1570 Limestone, medium to dark grey brown, microcrystalline to very fine crystalline, occasional white calcite inclusions, tight, trace bitumin lined stylolites as above.
- 1570 - 1580 Limestone, dark grey-brown, microcrystalline, fragmental in part, slightly argillaceous, occasional white calcite inclusions, minor trace calcite lined vuggy porosity, no shows, trace stylolites as above with free soft black bitumin more common.
- 1580 - 1585 Limestone, medium to dark grey brown, trace buff brown, slightly dolomitic, microcrystalline to very fine crystalline, slightly argillaceous occasional calcite inclusions, fragmental in part, isolated trace vuggy porosity with black bitumin lining and plugging vugs.

- 1585 - 1600 Limestone, light to dark brown, some buff brown, microcrystalline to very fine crystalline, fragmental in part, calcite inclusions and stylolites as above, slightly argillaceous, trace bitumin as above, trace bitumin lined and plugged vugs as above, trace Ostracod.
- 1600 - 1605 Limestone, light to medium brown, trace dark brown, microcrystalline to very fine crystalline, slightly dolomitic, slightly argillaceous in part, trace white and clear calcite inclusions, trace bitumin, tight.
- 1605 - 1610 Limestone, buff to white and cream and light to medium brown, dolomitic, very dolomitic in part, microcrystalline to fine crystalline, fragmental in part, occasional coarse dolomitic inclusions, trace white and clear dolomitic (anhedral) crystals, trace diss. pyrite, trace Ost. fragments, tight.
Trace shale grey-green, slightly calcareous, pyritic in part.
- 1610 - 1615 Limestone, buff to white and cream, some light brown, dolomitic, microcrystalline to very fine crystalline, fragmental in part, clear, chalky in part, trace dolomitic crystals as above, tight.
- 1615 - 1620 Limestone, white, buff and cream, some light brown, dolomitic to very dolomitic in part, microcrystalline to very fine crystalline, occasional clear calcite and dolomite inclusions, tight.
- 1620 - 1625 Limestone, medium to dark grey brown, very fine to fine crystalline, dolomitic, slightly argillaceous, fragmental in part, occasional vugs plugged with black bitumin, tight, trace clear dolomite inclusions.
Buff to light grey-brown dolomitic limestone abundant.
- 1625 - 1630 Limestone, medium to dark brown, fine to medium crystalline, slightly argillaceous, as above and limestone, white to buff and light brown, very dolomitic, microcrystalline to fine crystalline, chalky in part, coarsely fragmental in part, grading to limy dolomite.
- 1630 - 1635 Dolomite, medium to dark brown, limy, very fine to medium, trace coarse crystalline, slightly argillaceous, coarsely fragmental in part, trace bitumin plugged vugs, some white calcite infilling of vugs. Trace scattered quartz crystals. Minor amounts white to buff and light brown dolomitic limestone as above.

- 1635 - 1638.8 Dolomite, dark brown to brown black, limy in part, very fine to medium crystalline, argillaceous to very argillaceous in part, siliceous in part, trace disseminated pyrite, tight, hard.
Trace white calcite.
Sample caught off shaker screen.
- 1638.8 - 1639.5 Dolomite, dark grey brown, limy in part, very fine to medium crystalline, argillaceous, fragmental, occasional white calcite infilling, occasional soft black bitumin infilling and partings, tight.
Trace light brown limestone as above.
No siliceous dolomite as above.
Sample caught off shaker screen.
- 1639.5 - 1640 Dolomite as above, very limy, black bitumin common as vug infilling and partings. Trace black siliceous, argillaceous dolomite as above.
- 1640 - 1643 Sample as above, bitumin slightly less abundant.
Trace quartz pebbles.
Trace green shale, slightly calcareous, finely micaceous, platy, some blocky.
- 1643 - 1645 Dolomite, medium to dark brown, limy, very fine to medium and trace coarse crystalline, slightly argillaceous, bitumin becoming less abundant, fragmental in part, tight.
Dolomite, cream to buff and light brown, limy, micro-crystalline to medium crystalline, fragmental in part, trace free white calcite, tight. Trace calcite and Dolomite rhombs.
Trace clear quartz pebbles.
Trace green shale as above.
- 1645 - 1648 Dolomite, buff to light and medium brown, limy, very fine to medium crystalline, fragmental in part, trace bitumin as above, tight, minor trace fossil debris, trace fine bitumin lines stylolites, occasional clear and white calcite inclusions.
Trace medium to dark brown dolomite as above.
- 1648 - 1650 Dolomite, white, buff to light and medium brown, limy, very fine to medium crystalline, fragmental in part, slightly argillaceous in part, some calcite inclusions, trace bitumin, pelletoidal in part, tight. Trace coarse white, buff and very light brown calcite dolomite rhombs in well cemented limy matrix.

- 1650 - 1652.4 Dolomite, light to dark brown, very limy, very fine to fine crystalline, slightly argillaceous, occasional calcite inclusions, tight. Trace crinoid fragments.
- 1652.4 - 1655 Limestone, medium to dark grey brown, very fine to medium crystalline, dolomitic, slightly argillaceous, fragmental in part, trace fossil fragments, some white calcite inclusions, tight. Trace coarse, white to clear calcite crystals in limy matrix, with minor trace black bitumin.
- 1655 - 1665 Limestone, medium buff brown to dark brown, slightly dolomitic, very fine to medium and trace coarse crystalline, slightly argillaceous, fragmental, some calcite inclusions, trace black bitumin plugging interstices, trace questionable fossil debris, trace pyrite.
Trace free calcite crystals as above.
Sample is tight but calcite could indicate traces of vuggy porosity, no shows.
- 1665 - 1670 Limestone, light to dark brown, trace buff brown, microcrystalline to medium crystalline, dolomitic, very dolomitic in part, slightly argillaceous, fragmental in part, trace calcite inclusions, minor trace loose calcite as above, bitumin as above less common, minor trace vuggy porosity, vugs lined with small calcite rhombs, no shows, trace pyrite.
- 1670 - 1685 Limestone medium to dark brown, microcrystalline to trace medium crystalline, dolomitic, fragmental, slightly argillaceous, at times pelletoidal, minor trace calcite lined vugs, tight, no shows. Trace coarse calcite crystals.
Trace bitumin as above.
- 1685 - 1690 Limestone light to dark brown, dolomitic, microcrystalline to fine crystalline, slightly argillaceous, scattered trace calcite lined vugs as above, trace coarse white calcite inclusions, fragmental in part, sucrosic in part, no shows.
- 1690 - 1700 Dolomite, dark brown, fine crystalline, sucrosic, slightly argillaceous, trace intercrystalline and vuggy porosity, black bitumin lining and plugging interstices, no live oil staining, no fluorescence or cut, crystal faces give sheen to sample.
Trace limestone as above.
Trace free white dolomite.

- 1700 - 1705 Dolomite, buff to light brown, very fine to fine crystalline, trace microcrystalline, slightly argillaceous, very fine sucrosic in part, tight, no shows. Common trace dark brown, finely crystalline dolomite as above. Loose white dolomite more abundant.
- 1705 - 1710 Dolomite buff to light brown, slightly limy in part, microcrystalline to very fine crystalline, occasional white dolomite inclusions, isolated trace dolomite lined vugs, no shows, slightly argillaceous. Trace white dolomite crystals.
- 1710 - 1715 Dolomite buff to light brown as above and Dolomite medium to dark brown, slightly limy, microcrystalline, slightly argillaceous, white calcite and dolomite inclusions, trace vuggy porosity as above, no shows. Trace limestone medium to dark brown, microcrystalline to very fine crystalline, slightly argillaceous and dolomitic, trace calcite lined and plugged vugs, no shows.
- 1715 - 1720 Dolomite, buff grey brown to light and medium brown, limy in part, microcrystalline to very fine crystalline, slightly argillaceous, minor trace white dolomite inclusions, tight. Trace white and clear dolomite crystals. Trace dark brown finely sucrosic dolomite with trace porosity as above, no shows.
- 1720 - 1725 Dolomite, buff brown to light and medium brown, microcrystalline to very fine crystalline, limy in part, slightly argillaceous, occasional white and clear dolomite crystal inclusions, isolated trace vuggy porosity, no shows, finely sucrosic in part. Trace pyrite. Trace black bitumin.
- 1725 - 1730 Sandstone, clear to white and light grey, quartzose, medium to coarse grained, subangular to angular, siliceous, pyritic in part, well consolidated, trace intergranular porosity, no visible oil staining, no fluorescence. Trace dolomite as above.
- 1730 - 1735 Sandstone, clear, quartzose, siliceous, medium to coarse grained, subangular to angular, poor to fair sorting, pyritic in part, well consolidated, no shows. Trace dolomite, brown, microcrystalline, slightly argillaceous, tight (thin interbeds?).
- 1735 - 1738.2 Sandstone, as above with trace dolomite as above.

1738.2 - 1739 Trip Sample

1739 - 1755 Granite, coarse equigranular feldspar (orthoclase, some plagioclase), white to dark grey anhedral quartz, biotite and possibly hornblende.

TD 1755 m. in PRE CAMBRIAN



Canada Oil and Gas Administration du pétrole
Lands Administration et du gaz des terres du Canada

Nova Scotia	☐	West Coast	☐	Well Status	
Newfoundland	☐	Northern	☒	Suspended	☐
Gulf of St. Lawrence	☐	Hudson Bay	☐	Completed	☒
				Abandoned	☒

WELL TERMINATION RECORD

This record is submitted in triplicate in compliance with Section 184 of the Canada Oil and Gas Drilling Regulations.

WELL DATA

Well Name: Sulpetro et al N. Trout Lake F-08 Area: Trout Lake
Grid Area: F-08-60-40-121-00 Field/Pool: Wildcat
Permit or Lease No.: EA223 Final Coordinates: Lat.: 60°37'15"N Long: 121°1'24"W
Drilling Unit: Canadrill #2 Elevations: /KB: 520.7 m /GL: 515.1 m
Spud Date: 86-01-13 Rig Released: 86-02-15 Total Depth: 1755 mKB

CASING AND CEMENTING

O.D.:	Weight:	Grade:	Depth Set:	Cement and Additives:
<u>244</u>	<u>53.6</u>	<u>K-55</u>	<u>410 mKB</u>	<u>45t Class G plus 2% CaCl₂</u>
<u>178</u>	<u>29.7 + 34.2</u>	<u>K-55</u>	<u>1545 mKB</u>	<u>42.7t 1:1:2 plus 0.5% T-10</u>
<u>508</u>	<u>6.35mm</u>	<u>COND.</u>	<u>20mKB</u>	<u>GROUTED FROM SURFACE</u>

PLUGGING PROGRAM

Approval of the following program was obtained by (person) Jack Lischka from
*(person) Mr. Fred LaPine of the Canada Oil and Gas Lands Administration by means of
telephone on February 13 1986.

Type of Plug:	Interval:	Felt:	Cement and Additives:
<u>#1 Cement</u>	<u>1755 - 1515</u>	<u>No</u>	<u>6.7m³ Class G</u>
<u>#2 Cement</u>	<u>GL-10m GL</u>	<u>No</u>	

CUT CASINGS 1m BELOW GROUND LEVEL (G.L.), WELD PLATE ON TOP AND INSTALL I.D. SIGN.
*Confirmed by TLX to Mr. Moe Thomas 86-02-14.

Lost Circulation/Overpressure Zones: None
Equipment left on Seafloor (Describe): N.A.
Provision for Re-entry (Describe and attach sketch): N.A.
Cores: Type: NIL Intervals:
Other Downhole Completion/Suspension Equipment: N.A.

CERTIFICATION

I certify on the basis of personal knowledge of operations undertaken at the above named well that the above information is accurate.

Signed: R.D. Linder P. Eng. Title: Operations Superintendent
Name: R.D. Linder, P. Eng. Date: September 29, 1986

Acknowledged by: H. E. Glanders
Engineering Branch
Date: 86-10-20
File: 9211-S40-1-1