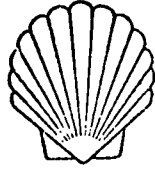


WELL HISTORY REPORT



SHELL PEEL RIVER M-69

SHELL CANADA LIMITED

DATE JANUARY 1975

Document No.

WELL HISTORY REPORT

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K 12022/17



SUMMARY

WELL NAME AND NUMBER:

SHELL PEEL RIVER M-69

Shell Peel River M-69 is located approximately 10 miles east of Shell Peel River I-21 (D & A) and 110 miles southeast of the townsite of Ft. McPherson. The purpose of the well was to test local anomalies within the massive shelf carbonates, indicated by seismic, for hydrocarbon accumulations.

The drilling contractor was Adeco Drilling and Engineering Co. Limited.

The subject well was spudded on October 6, 1974 and drilled to a total depth of 10,737 feet. Rig release was December 4, 1974.

The well bottomed in carbonates of Lower Devonian (Delorme) age. No oil or gas zones were encountered and the well was plugged back to surface and abandoned.

REPORT PREPARED BY: BEAUFORT/PEEL DATE: JAN. 1975

REPORT SUBMITTED BY: *[Signature]* DATE: *Feb 28/75* TITLE: WESTERN DIVISION EXPL. MANAGER

DATE: JAN. 1975

K 12022/19



SUMMARY OF WELL DATA

WELL NAME AND NUMBER

SHELL PEEL RIVER YT M-69

CO-ORDINATES SURVEY SYSTEM

LATITUDE **66°08'56"**
LONGITUDE **133°58'04"**

GRID CO-ORDINATES

66-10-133-45

PERMIT No. OR LEASE

C-1674

DRILLING AUTHORITY NUMBER:

769 August 14, 1974

STATUS

Abandoned

UNIQUE WELL IDENTIFIER:

300M696610133450

PERMITEE/OPERATOR

Shell Canada Limited & Shell Explorer Limited

LOCATION

**66.14889
133.96778**

AAPG CLASSIFICATION

ELEVATIONS

**GL - 927
KB - 957**

TOTAL DEPTH

10,737

DRILLING CONTRACTOR

Adeco Drilling & Engineering Co. Ltd.

DATE AND HOUR SPUDDED

**October 6, 1974
1600 Hours**

DATE COMPLETED DRILLING

**November 21, 1974
1400 Hours**

DATE COMPLETED ABANDONMENT

**December 4, 1974
2400 Hours**

DATE AND HOUR RIG RELEASED

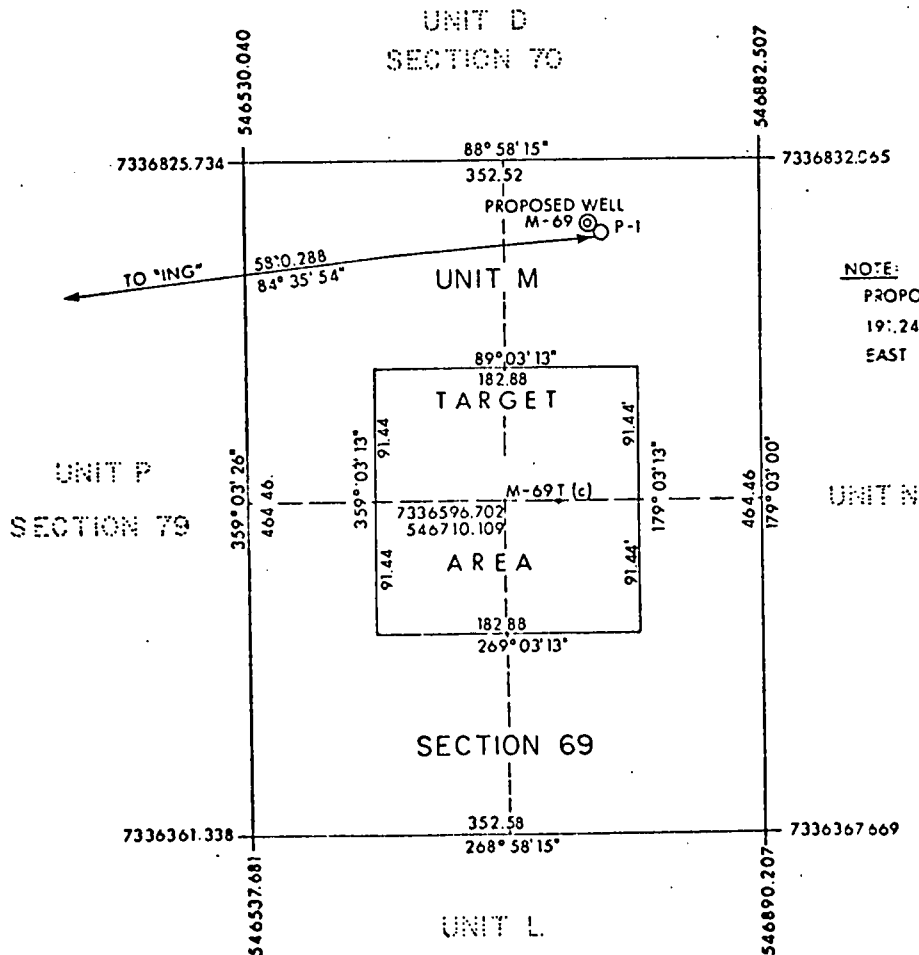
**December 4, 1974
2400 Hours**

LOCATION PLAT:

See Following Diagrams

DETAIL

SCALE: 1:4000



12022/21


**DRILLING DATA
SUMMARY**

WELL NAME AND NUMBER

SHELL PEEL RIVER YT M-69

DRILLING VESSEL/UNIT:

Adeco Drilling Rig No. 10

HOLE SIZE		BLOWOUTS OR OTHER DIFFICULTIES ENCOUNTERED
SIZE	TO DEPTH (RT)	
24"	89'	Ran 9-5/8" casing. Cement did not hold. Pull casing. Drill 4'2", pull out and rerun casing. Good returns to surface.
12-1/4"	1272'	
8-3/4"	10,737'	

CASING RECORD

DATE	SIZE	JOINTS	WT	GRADE	SHOE DEPTH	MAKE
Oct 3/74	20" conductor				89'	conductor pipe
Oct 11/74	9-5/8"	41	36#	K-55	1272'	ST & C

CEMENT ADDITIVES

GL - 89' 15 sxs cmt for top 12' of conductor pipe
 160 sxs Class "G" + 3% CaCl₂
 89-1272' 900 sxs Class "G" + 2% CaCl₂

FISHING OPERATIONS, LOST CIRCULATION ZONES

N/A

ABANDONMENT PLUGS

NUMBER	DATE	INTERVAL	CEMENT
1	Nov 29/74	10737-10537	100 sxs Class "G" + 2% HR4
2	Nov 29/74	6150-5950	125 sxs Class "G" - run in and drill off plug @ 5902'
3	Nov 30/74	5902-5700	100 sxs Class "G" - tag cmt @ 5640' - drill to 5658'
4	Dec 2/74	5658-5300	200 sxs Class "G" - tag plug @ 5315'
5	Dec 3/74	3300-3042	100 sxs Class "G" - tag plug @ 3042'
6	Dec 3/74	1350-1150	125 sxs Class "G" - tag plug @ 1137'

3.01

K 12022/22



DRILLING EQUIPMENT

WELL NAME AND NUMBER

SHELL PEEL RIVER YT M-69

SEE ATTACHMENT #2

INVENTORY
RIG #10
HELI-HOIST 2000

Mast and Sub-structure

Lee C. Moore 136' x 1,025,000 GNC helicopter capable hi-floor mast complete with 6 sheave crown block, crown safety platform, winterized racking platform, erection equipment, ladder, tongs, counter weights with a 21' floor, cold temperature construction, model 27415B, Ser. N. T3644.

Drawworks

TBA 2000 single drum drawworks, SN 619-01 complete with air controls, Parkersburg 40" type 342 hydromatic brake, SN #48933, OIME four engine flat set oilbath compound with 2 way crown-o-matic.

Catworks

OIME independent catworks, with two Foster automatic catheads, break-out SN24AH504, make up SN 37AH249 torque tube drive and oilbath chain rotary drive.

Compressors

Three Quincy model 315-15 - SN 827974-L, 827967-L, Spare #826362-S

Power

4 Caterpillar D343B turbo charged diesel engines, SN 62B10305, 62B11441, 62B10537, 62B10816, all with radiator, rated at 345 HP continuous, 425 intermittent, 500 HP maximum each, complete with Barber Kill Switch.

Twin disc torque converters, SN 247128, 247780, 247784, 247775, and power shift transmissions, SN 395521, 395518, 397287, 395527.

Winterization

Northwest Tent and Awning neolon rig enclosure, with 100 MPH wind load design.

Drilling Line

One 1½" x 6,000' drill lines.

Two 1½" x 3,200' drill lines.

Travelling Equipment

Ideco Shorty 5 sheave, 265 ton travelling block - hook combination, model UTB 265, SN 208.

Set (2) 2 3/4" x 108" elevator links.

Continental Emsco Type LA-400 quick change assembly 6597-0389.

4½" x 40" hexagon kelly.

Varco 4 KRS pin drive kelly bushing.

Rotary Table

Ideco 23-D Model SR23D, 24" rotary table, SN 306, with solid Varco pin drive, master bushing SN F27E.

Power Tongs

Lamb - Power Unit - model LS353, SN 337
Tong - Model 16,000 SN 382-C.
Range - 2 3/8 - 16".

Kelly Spinner

Foster - type 77, SN 77-02-10, 30 HP hydraulic unit, SN JH6392012.

Weight Indicators

Martin Decker, type D with National type D anchor.

Cameron - type G, SN 73J5278.

Automatic Driller

SWACO Unit 681.

Survey Winch

Commercial Electric Drive Co. model MMG E15DRS, SN 210, line measuring device with transmissions powered by 7½ HP electric motor.

Air Hoist

Ingersol Rand HU air hoist complete, SN 41789.

Accumulator - Tank cap - 244 Gal.

Koomey T-15160-3S, SN 5339, with triplex pressure pump, model T315-15-3, SN 731376B-514 with 2 air pumps.

Koomey remote control station ERC-6, SN 5339.

BOP

One - 20" Shaffer spherical preventer with flanged bottom, 2,000 lb, BHN 217, SN 4427.

One - 13 5/8" Shaffer spherical preventer with hub bottom, 5,000 lb, HN-210, SN 59965.

Two - 13 5/8" Shaffer LWS Autolock single gate preventers, hubbed top and bottom with two 3" hubbed outlets, SN 139659-51, 139659-49.

One - 13 5/8" Shaffer LWS Autolock single gate shear ram preventer, hubbed top and bottom with two 3" hubbed outlets, SN 139696-48.

One - 13 5/8" 5,000 psi hubbed spool with two 3" hubbed outlets.

One - 13 5/8" 5,000 psi hubbed spool with two 3" hubbed outlets - spare.

Four - 13 5/8" 5,000 psi CIW clamps.

Twenty-one 3" 5,000 psi CIW clamps.

Three 3" 5,000 psi CIW clamps - spare.

Seven 3" flanged 5,000 psi Shaffer manual valves - SN B-0210, B-0207, B-0130, B-0151, B-0202, B-0133, B-0212.

One 2" 5,000 psi Shaffer manual valve, SN B-0303.

Two 3" flange to hub 5,000 psi Shaffer, change-over flanges.

Four Shaffer 3" 5,000 psi hydraulic valves, SN B0477, B-0474, B-0224, B-0475.

Six 3" flange to hub adapters.

BOP - continued

Three - 3" hub to hub adapters.

One - 3" hub to hub adapter, 3" spare.

One - 3" weld hub, 5,000 psi - in use.

Four - 3" 5,000 psi blank-hubbed.

Two 3" 5,000 psi blank-flanged.

Two - 3" four way block cross studded, 5,000 psi.

One 3" three way cross flanged, 5,000 psi.

One 3" manual Shaffer adjustable type 34 standard trim choke.

One Swaco automatic adjustable choke. SN 362270, unit #17031 with 2 9/16" choke openings.

Two 3" 5,000 psi hubbed Shaffer check valves.

Two bolt assemblies for 13 5/8" CIW clamp - spare.

Two - 10 ton Coffing chain hoists, M-1007-F.

Two - 3 ton Coffing chain hoists, M-304-F.

Pumps--

Three Halliburton HT400 triplex mud pumps, SN HT8251, HT8609, complete with Gist fluid ends, SN167, 165, 164, 168.

Mud System

Eight helicopter portable steel mud tanks with internal piping and walkways, 12" x 8" x 10", approximate total capacity - 1,000 lbs.

Double Thompson Shale Shaker, model B54D, SN B54D-285.

Four mud mixing units, Cat. D330, SN 4B6622, 4B6634, 4B6213, 4B6636, with ASH centrifugal pumps, type B-6-5, SN 13540UH, 13541UH, 13542UH, 13543UH.

Two automatic mud hoppers - Thompson with Crofts right angle drives, SN 320 1116-6 and EXP3485661.

One conventional mud hopper.

One Swaco degasser, SN 843, complete, IR type 30 model 255, vacuum pump SN 30T324689.

One Pioneer 12 cone desilter, model T12-4S, 12 cone Silt Master, SN CP4-154 with one 30 HP electric motor #83-03233-069.

One ASH pump model B65, SN 13544UH.

One Pioneer desander - model S2-12, SN 7363 with caterpillar, D330, SN 4B6639 with ASH pump SN 134520H.

One Pioneer centrifuge, SN C-7304, complete with a Power unit SN SPU-5, with ASH pump model B-65, SN 13544UH.

Two kelly hoses - 3" max. W.P. 4,000 psi, SN NACO40R, NKA007R.

Alarm System - Measurand, model 2013, SN #55.

Water Tanks

Eight steel enclosed water tanks, approximately 900 bbls total.

Fuel Tanks

Eight steel enclosed diesel fuel tanks, approximately 900 bbls.

Light Plants

Three Caterpillar D-3306, 125 KW, 60 cycle generators each powered by Caterpillar D-3306 turbo charged diesel engines, SN 66D10106, Gen 100TH3651, 66D10101, Gen 100TH3658, 66D10105, Gen 100TH3660.

Dog House

Helicopter, insulated aluminium top mounted dog house with knowledge box, storage bins.

Welders

One Lincoln shield arc, SAE 300-220 electric welding machine, SN A-717780, complete with necessary leads, GM bedford model 220F/F diesel power, SN 695854/6469.

One Lincoln shield arc, SAE 300, DC welder, type S7038, SN TAM6547.

Two Oxy Acetylene sets complete.

Pipe Racks - Catwalks

Four sets (8) steel pipe racks.

Two catwalks.

Boilers

Four Napanee 50 HP, model 33650B, SN 75937, 75938, 75939, 75940, automatic boilers.

One lot of heaters, blowers, piping and controls for heating.

Air Heaters

One Air Heaters Inc. model IDF-20S, SN 117, maximum burner capacity of 3,500,000 BTU with Iron Fireman "Whirlpower" space conditioner, model C-2400 electric controls and other necessary appurtenances.

One Master air heater, SN 2256581.

One Master air heater, SN 2256583.

Drill Pipe and Drill Collars

10,000' plus (340 jts) of 4½" Grade E drill pipe, plastic coated, equipped with 4½" EH connection, flush-hard banded.

5,000' plus (170 jts) of 4½" Grade G-110 drill pipe, plastic coated, equipped with 4½" EH connections, not hard banded.

Ten 8" O.D. x 2 13/16 I.D. x 30' with 6 5/8 API regular connections, zip lift recess, flush-hard banded.

Thirty 6 3/4 OD x 2 13/16 ID x 30' with 5" H-90 connections, zip lift recess, flush-hard banded.

Subs

One upper kelly cock.

One lower kelly cock, 4½" EH box x 4½" EH pin.

Two saver subs, 4½" EH box x 4½" EH pin.

Two changeover subs, 4½" EH box x 5" H-90 pin.

Two changeover subs, 4½" EH box x 6 5/8" regular pin.

One 4½" EH pin x 6 5/8" regular box.

Subs - continued

- Two 6 5/8" regular box x 6 5/8" regular box.
- Two 5" H-90 box x 4 1/2" regular box.
- Twelve throw away subs, 4 1/2 EH box x 4 1/2 EH pin.
- Two pick up subs, - 5" H-90 pins.
- Two pick up subs, - 6 5/8 regular pins.
- One stabbing valve, X-over, 6 5/8 regular pin x 4 1/2 EH box.
- One stabbing valve, X-over, 5" H-90 pin x 4 1/2 EH box.
- Two changeover subs, - 6 5/8 regular pin x 5" H-90 box.
- One inside BOP, 4 1/2 EH box x 4 1/2 EH pin.
- Two Hydril back pressure valves, stop I.D. 1.937. SN 51306 - 6 5/8" regular box - pin complete with #31031 stop ring and #18345-4 drop valve. SN50381, 5" H-90 box-pin complete with 31031 stop ring and 18345-4 drop valve.

Handling Tools

- One 8" collar elevator, MGG 7 1/2 ID.
- One 6 3/4" collar elevator MGG 6 3/16 ID.
- Two 4 1/2", 18° MGG, pipe elevators.

Slips

- One set 5 1/2 x 7" Woolley type A collar slips.
- One set 6 3/4 x 8 1/4" Woolley type A collar slips.
- Two sets 4 1/2" Woolley Drill pipe slips.

Casing Tools

Elevators

- One 20" H-150 Web Wilson, 150 ton elevator plus pick up elevator.
- One 16" H-150 Web Wilson, 150 ton elevator plus pick up elevator.
- One 13 3/8" H-150 Web Wilson, 150 ton elevator plus pickup elevator.
- One 9 5/8" H-150 Web Wilson, 150 ton elevator plus pick up elevator.
- One 7" H-150 Web Wilson, 150 ton elevator plus pick up elevator.

Slips

- One type HCS 20" hinged spider, inserts for 16" and 20" casing.
- One set each CMSX casing slips for 20" and 16" casing.

Combination

- One BJ 350 ton, 13 3/8" elevator complete with 13 3/8", 9 5/8" and 7" inserts with Varco solid master bushing complete with 13 3/8", 9 5/8" and 7" casing inserts with Varco slips for 7", 9 5/8", 13 3/8" and 16" casing.

Workshop

- One 40" x 38" integral with rig shelter.

Cementing Unit

- Mixing skid complete.

Incinerator

Howell Refractories - model CY100, SN 1106.

Water Pump and Line

G-D Duplex FFXFE, SN 625-496 and Detroit diesel model PTA 41081.

5,280' lighting line.

Fishing Equipment

149' (5 jts) of 10 3/4", 55.5# wash pipe.

150' (5 jts) of 8" 31# wash pipe.

10 3/4 and 8 1/8" wash pipe drive sub.

10 3/4" and 8 1/8" conventional shoe.

9 5/8" and 7" junk subs.

10 3/4" elevators with 8 1/8" inserts.

Bowen series 150 - 8 1/8" overshot assembly #9815 with:

- 6" grapples
- 6" mill control packer
- 6 3/4" grapple
- 6 3/4" cut lipped guide.
- 6 3/4" pack off.

Bowen Series 150 - 10 5/8" overshot - assembly #5321 with:

- 9" grapple
- 9" cut lipped guide
- 9" pack off
- 8" basket grapple
- 8" plain control packer

Bowen 11 1/2" junk basket with conventional type A shoe and magnet insert assembly #61977.

Bowen 8 1/8" junk basket with conventional type A shoe and magnet assembly #61955.

One junk sub - 9 5/8" x 6 5/8" pin box.

One junk sub - 7" x 4 1/2" regular pin box.

Intercom System

Sound Service - 8 station telephone system.

Fire Fighting Equipment

Two 2-wheeled Ansuls, model WDC-150D.

14 hand Generals - 30#.

Safety Equipment

Six Scott airpicks with Bauer compressor, model KA13E, SN 97762, with spare bottles.

One Safety Supply resusitator.

2 First Aid Kits.

Stretcher baskets.

Tractor and Crane

Caterpillar D-5 crawler tractor SN96J3495 complete with cab, angle dozer, Prentice hydraulic crane, SN 8T-Z12108-7307, with hydraulic outriggers.

Fork Lift

Caterpillar tow motor, model V60B, SN 83M345 complete with cab.

Toolpushers Unit

1973, 4 wheel drive Ford crew cab, model F260, SN F268CR68851.

Storage Cabinets

Three helicopter portable bins, 6' high x 8' wide x 4' deep, 8 bins per side.

Shale and Sand Augers

Two 6" x 22' screw conveyors with 7½ HP electric motors and shaft mounted gear reducers. (Coutts)

One conveyor belt for shale removal - Universal Trof-Belt, model KL18-4500, SN 1071548.

Exhaust Fans

Three Westinghouse
One Squirrel cage.

Portable Centrifugal Pumps

One electric 3" pump - model 15CCE, Barnes.

Two Yellow Dogs with 3" pumps.

CAMP

One - 24 unit Helicopter transportable drilling camp with Perma Walks, Power harness, complete. Serial numbers:

Washroom	01638660
Washroom	01638589
Water Storage	01638590
Advance with water storage	01638591
Advance storage with stove	01638592
Rec Room	01838593
Cold Storage	02238584
Rec Room with Pool Table	02238661
Rec Room with Pool Table	02238662
Change Room	02238585
Toolpushers	01838594
Engineers	01838583
Radio Room	01838579
Cooks	01838568
Geologists	01838582
Sleeper	01838581
Sleeper	01838658
Sleeper	01838580
Sleeper	01838578
Sleeper	01838577
Sleeper	01838659
Sleeper	01838576
Diner	01838587
Kitchen Unit	06138588

This camp is equipped with sufficient beds and space to operate with a normal load of 36 men, but provides accommodation for up to 63 men in emergencies.

Camp Generators

Two - Cat. model D3306 diesel electric sets with 125 KW EMD Generators.

Engine Serial numbers: 66D10039 & 66D10111

Generator Serial numbers: 173911431

Generator Building

One - 28'L x 8'W x 8'6" building, divisible into 14'L buildings for helicopter transportation.

K 12022/23



**DRILLING TIME DISTRIBUTION -
HOURS**

WELL NAME AND NUMBER

SHELL PEEL RIVER YT M-69

SEE ATTACHMENT #3

K 12022/24



DST TESTING SUMMARY

WELL NAME AND NUMBER

SHELL PEEL RIVER YT M-69

DST NO.	INTERVAL	ISIP (PSI)	FFP (PSI)	FSIP (PSI)	HP. (PSI)	DATE	RECOVERY
1	10272- 10343						Misrun
2	10222- 10324						Misrun
3	10183- 10737	3714 (60)	158/232 (60)	2913 (120)	4780/ 4780	27/11/74	348' of mud
4	5722.05- 5905.18	1854 (60)	105/154 (60)	2142 (120)	2733/ 2686	29/11/74	310' of mud
5	5505- 5658	2297 (90)	76/186 (90)	2281 (180)	2608/ 2600	1/12/74	310' of mud

(Time in minutes)

COMMENTS

Recovered mud in all the tests.

K 12022/25



WIRELINE TESTING SUMMARY

WELL NAME AND NUMBER

SHELL PEEL RIVER YT M-69

WLT NO.	DEPTH RT OR INTERVAL	ISIP (PSI)	SPL PRESS (PSI)	FSIP (PSI)	HP. (PSI)	DATE	RECOVERY
			N/A				

COMMENTS

K 12022/26



PRODUCTION TEST SUMMARY

WELL NAME AND NUMBER

SHELL PEEL RIVER YT M-69

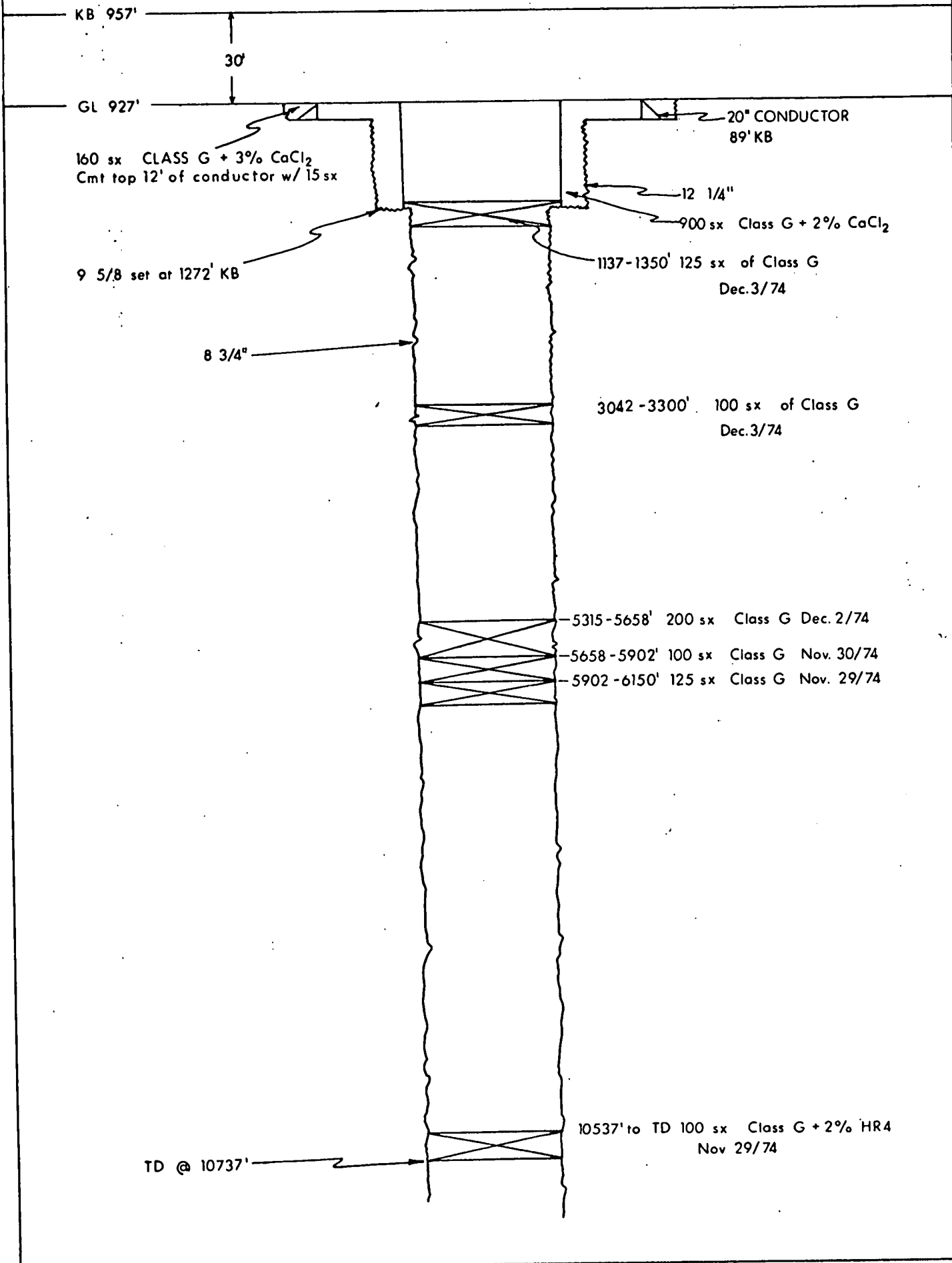
N/A



WELL DIAGRAM AND
ABANDONMENT DETAILS

WELL NAME AND NUMBER

SHELL PEEL RIVER YT M-69



K 12022/29



**SUMMARY OF
MECHANICAL LOGS RUN**

(SEE APPENDIX
FOR COPIES OF LOGS)

WELL NAME AND NUMBER

SHELL PEEL RIVER M-69

RUN NUMBER	DATE	TYPE	INTERVAL
1	Nov. 22/74	Dual Laterolog	1263'-10,690'
1	Nov. 22/74	Borehole Compensated Sonic	1263'-10,711'
1	Nov. 22/74	Compensated Neutron Formation Density	1265'-10,705'
1	Nov. 22/74	Proximity Microlog	1263'-10,697'
1	Nov. 22/74	Continuous Dipmeter	1261'-10,678'

K 12022/30



SAMPLE AND CORE DATA

WELL NAME AND NUMBER

SHELL PEEL RIVER M-69

DITCH CUTTINGS			SAMPLE INTERVAL			
TOTAL INTERVAL SAMPLED			FROM	TO	FREQUENCY	
FROM	TO				ONE SAMPLE EVERY	FEET
MATERIAL STORAGE LOCATION						
	S P L	C O R E				
1.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	0	600	1	30'
SHELL CANADA LTD. CALGARY WAREHOUSE CALGARY, ALBERTA						
2.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	600	10,737	1	10'
INSTITUTE OF SEDIMENTARY & PETROLEUM GEOLOGY 3303-33 ST. NW. CALGARY, ALBERTA						
3.	<input type="checkbox"/>	<input type="checkbox"/>				
NOVA SCOTIA DEPT. OF MINES STELLARTON, NOVA SCOTIA						
4.	<input type="checkbox"/>	<input type="checkbox"/>				
ALBERTA CONSERVATION BOARD						
5.	<input type="checkbox"/>	<input type="checkbox"/>				
DEPT. OF ENERGY MINES & RESOURCES BEDFORD INSTITUTE DARTMOUTH, N.S.						
6.	<input type="checkbox"/>	<input type="checkbox"/>				
OTHER						

CONVENTIONAL CORE				
NO.	SIZE	INTERVAL	RECOVERY	DATE CORED
1	3"	8354-8414	60'	Nov. 11/74

COMMENTS:

Majority of the sidewall cores were tested to destruction for petrophysical data.

K 12022/31



SAMPLE DESCRIPTION

WELL NAME AND NUMBER

SHELL PEEL RIVER M-69

See following pages

DESCRIBED BY McKEAGUE & ENGLAND

DATE OCT-DEC. 1974

SAMPLE DESCRIPTION

SHELL PEEL RIVER M-69

0'-1280'	No description.
1280'-1570'	100% Shale, medium grey, blocky, trace pyrite.
1570'-1600'	40-70% Sandstone, medium-dark grey, salt & pepper, sub-angular to sub-rounded, fine to very fine grained, slightly silty; 30-60% Shale as above.
1600'-1910'	80-100% Sandstone as above; 0-20% Shale as above.
1910'-1960'	20-60% Sandstone as above; 40-80% Shale as above.
1960'-2000'	100% Shale as above.
2000'-2030'	10-20% Siltstone light to medium grey, sandy, glauconitic; 80-90% Shale as above.
2030'-2110'	30-70% Siltstone as above; 30-70% Shale as above.
2110'-2770'	100% Shale, medium grey, firm, blocky, trace pyrite.
2770'-3000'	10-60% Siltstone as above; 40-90% Shale as above.
3000'-3060'	10-30% Siltstone as above; 10-40% Sandstone, sub-angular to sub-rounded, fine to very fine grained, silicious; 10-60% Shale as above.
3060'-3170'	10-30% Sandstone as above; 40-60% Siltstone as above; 10-20% Shale as above.
3170'-3310'	30-90% Sandstone as above; 10-70% Shale as above.
3310'-3390'	10-20% Sandstone as above; 10-30% Shale as above; 30-80% Siltstone as above.
3390'-3620'	100% Siltstone, dark brown to med. grey, sandy, trace pyrite.
3620'-3860'	80-100% Siltstone as above; 0-20% Shale as above.

Sample Description (cont'd.)

3860'-3940'	10-30% Sandstone, sub-angular to sub-rounded, fine to very fine grained, silicious, consolidated; 20% Siltstone as above; 30-50% Shale as above.
3940'-4060'	60-70% Sandstone as above; 10-20% Siltstone as above; 30-50% Shale as above.
4060'-4170'	50% Sandstone as above; 50% Shale as above.
4170'-4240'	10-20% Sandstone as above; 80-90% Shale as above.
4240'-4610'	100% Shale, medium to dark grey, slightly silty, blocky.
4610'-4720'	10-20% Sandstone as above; 80-90% Shale as above.
4720'-4830'	70% Sandstone as above; 30% Shale as above.
4830'-4880'	100% Shale as above.
4880'-4960'	70% Sandstone, sub-angular to sub-rounded, fine to very fine grained, silicious; 30% Shale as above.
4960'-5080'	90% Shale as above; 10% Sandstone as above.
5080'-5200'	100% Shale as above.
5200'-5320'	60-80% Sandstone as above; 20-40% Shale as above.
5320'-5380'	30% Sandstone as above; 70% Shale as above.
5380'-5460'	60% Sandstone as above; 40% Shale as above.
5460'-5640'	10-30% Sandstone as above; 70-90% Shale as above.
5640'-5840'	20% Sandstone, sub-angular to sub-rounded, fine to very fine grained, tan to grey, medium well sorted, silicious, trace chert. 70% Shale, medium dark grey to occasional black, firm, silty, blocky. 10% Siltstone, dark-medium grey, shaly.

Sample Description (cont'd.)

5840'-5910'	10% Siltstone as above; 90% Shale as above.
5910'-6080'	100% Shale as above.
6080'-6260'	10-40% Siltstone as above; 60-90% Shale as above.
6260'-6420'	100% Shale as above.
6420'-6460'	10% Siltstone as above; 90% Shale as above.
6460'-6580'	20-30% Sandstone, sub-rounded to sub-angular, very fine grained, med. grey to grey brown; 10-20% Siltstone as above; 60% Shale as above.
6580'-6660'	10% Siltstone as above; 90% Shale as above.
6660'-6740'	100% Shale as above.
6740'-6910'	30% Siltstone as above; 70% Shale as above.
6910'-7180'	40-60% Siltstone as above; 40-60% Shale as above.
7180'-7360'	60% Siltstone as above; 40% Shale as above.
7360'-7550'	10-40% Siltstone as above; 60-90% Shale as above.
7550'-7580'	10% Limestone, fine to very fine grained, tan to grey brown, dense slightly argillaceous; 90% Shale as above.
7580'-7620'	50-80% Limestone as above; 20-50% Shale as above.
7620'-8880'	100% Limestone as above.
8880'-9120'	5% Shale as above; 95% Limestone as above.
9120'-9690'	100% Limestone as above.
9690'-9740'	30% Shale as above; 70% Limestone as above.

SHELL CANADA LIMITED
EXPLORATION AND PRODUCTION DEPT.
LITHOLOGIC DESCRIPTION

PROVINCE YT. COMPANY SHELL CANADA LIMITED AREA WILDCAT

WELL NAME SHELL PEEL R. M-69

TOTAL DEPTH 10737 COMMENCED 06/10/74 COMPLETED 04/12/74

LAT. 66. DEG 08. MIN 56.00 SEC LONG. 133. DEG 58. MIN 04.00 SEC

DATE LOGGED 31/01/75 BY IAN MCILREATH
IAN MCILREATH

ELEVATION AT KELLY BUSHING 0957 WATER DEPTH

LOGS AND ANALYSIS

SGR
VEL

ML
DENSITY

CDM

REMARKS

CATCH CUTTING LOG

- 7400 SHALE MEDIUM GREY., 20PCT SILT.. GRAIN SIZE- MODE OF SAND VERY FINE., PYRITE 2PCT, MICA 2PCT.
COMMENTS- SHALE WITH LIGHT BROWNISH GREY SILTSTONE LAMINAE.
- 7500 SHALE DARK GREY., 10PCT SILT.. GRAIN SIZE- MODE OF SAND VERY FINE., CHERT 1PCT., SOLID HYDROCARBIN.
COMMENTS- MICRO FRACTURES IN SHALE, PARALLEL TO FISSILITY, FILLED WITH WHITE CALCITE, TRACE BLUE CHERT, AND MINOR AMOUNT OF SOLID HYDROCARBON.
- 7570 SHALE DARK GREY., 20PCT CALCAREOUS.. FOSSILS 2PCT., SOLID HYDROCARBIN.
COMMENTS- LIMESTONE, LIGHT BROWNISH GREY TRACE STYLIOLINA IN SHALE.
- 7580 SHALE DARK GREY., 20PCT CALCAREOUS FOSSILS, 10PCT CALCAREOUS.. GRAIN SIZE- MODE OF CRINOCIDS MEDIUM., CRINOCIDS 3PCT, CORAL 1PCT, PYRITE 1PCT., SOLID HYDROCARBIN.
COMMENTS- LIMESTONE, LIGHT BROWN.
- 7590 LIME WACKESTONE DARK BROWN., 10PCT ARGILLACEOUS MATERIAL, 30PC., 20PCT CRINOCIDS.. GRAIN SIZE- MODE OF CRINOCIDS MEDIUM., BRACHIOPODS 1PCT, CORAL 1PCT, PYRITE 1PCT., SOLID HYDROCARBIN.
- 7600 LIME MUDSTONE DARK BROWN., 10PCT ARGILLACEOUS MATERIAL, 10PC., 20PCT FOSSILS.. GRAIN SIZE- MODE OF FOSSILS MEDIUM., CORAL 2PCT, BRACHIOPODS 1PCT, CRINOCIDS 8PCT.
COMMENTS- MUDSTONE WITH MINOR LIGHT GREYISH BROWN CRINOCIDAL WACKESTONE.
- 7620 LIME MUDSTONE DARK BROWN., TRACE OF FOSSILS.. GRAIN SIZE- MODE OF FOSSILS MEDIUM, RANGE MEDIUM TO FINE., CRINOCIDS 5PCT, CSTRACODS 2PCT, BRACHIOPODS 1PCT, CORAL 2PCT, PYRITE 1PCT., SOLID HYDROCARBIN.
COMMENTS- MINOR, LIGHT GREYISH BROWN CRINOCIDAL WACKESTONE.
- 7700 LIME MUDSTONE MEDIUM BROWN.. GRAIN SIZE- MODE OF CSTRACODS MEDIUM., CSTRACODS 2PCT.
- 7810 LIME MUDSTONE MEDIUM BROWN., 20PCT CALCAREOUS CEMENT., 20PCT PELLETED MUD.. GRAIN SIZE- MODE OF FOSSILS MEDIUM., MODE OF PELLETED MUD FINE., MODE OF PELLETED MUD VERY FINE., CRINOCIDS 2PCT, CSTRACODS 1PCT, GASTROPODS 1PCT.
COMMENTS- LIGHT GREYISH BROWN, SLIGHTLY BICLASTIC (COMMINUTED CRINOIC OSSICLES) PELLETED GRAINSTONE.

- 7870 LIME
MUDSTONE MEDIUM BROWN.. GRAIN SIZE- MODE OF OSTRACODS MEDIUM.,
OSTRACODS 1PCT.
- 7910 LIME
MUDSTONE MEDIUM BROWN., 10PCT ARGILLACEOUS MATERIAL.. GRAIN
SIZE- MODE OF FOSSILS MEDIUM., CRINOIDS 2PCT, CORAL
1PCT., SOLID HYDROCARBIN.
COMMENTS- BLACK SHALE, TRACE OF CRINOIDAL PACKSTONE.
- 7920 LIME
MUDSTONE MEDIUM BROWN.. STYLOLITES., SOLID HYDROCARBIN.
- 7960 LIME
MUDSTONE MEDIUM BROWN.. GRAIN SIZE- MODE OF FOSSILS MEDIUM.,
CRINOIDS 2PCT, OSTRACODS 2PCT, CORAL 1PCT.
COMMENTS- TRACE BIOLASTIC GRAINSTONE.
- 7970 LIME
MUDSTONE MEDIUM BROWN., 10PCT ARGILLACEOUS MATERIAL.. GRAIN
SIZE- MODE OF CRINOIDS FINE., OSTRACODS 2PCT, CORAL
1PCT, CRINOIDS 4PCT., SOLID HYDROCARBIN.
COMMENTS- BLACK SHALE, MINOR BIOLASTIC GRAINSTONE.
- 7990 LIME
MUDSTONE MEDIUM BROWN.. GRAIN SIZE- MODE OF OSTRACODS MEDIUM.,
OSTRACODS 2PCT, PELLETED MUD 2PCT., SOLID HYDROCARBIN.
COMMENTS- MINOR LIGHT GREY, PELLET GRAIN- STONES.
- 8100 LIME
MUDSTONE MEDIUM BROWN., 10PCT CALCAREOUS CEMENT., TRACE OF
PELLETED MUD.. GRAIN SIZE- MODE OF PELLETED MUD FINE.,
SOLID HYDROCARBIN.
COMMENTS- LIGHT GREYISH BROWN, PELLETED GRAINSTONE WITH
TRACE SOLID HYDROCARBON.
- 8150 LIME
MUDSTONE MEDIUM BROWN., 30PCT CALCAREOUS CEMENT., 30PCT
PELLETED MUD.. GRAIN SIZE- MODE OF PELLETED MUD FINE.,
CRINOIDS 2PCT., SOLID HYDROCARBIN.
- 8180 CALCAREOUS
CEMENT LIGHT BROWN., 40PCT CALCAREOUS., 50PCT PELLETED MUD,
TRACE OF FOSSILS.. GRAIN SIZE- MODE OF FOSSILS
MEDIUM., MODE OF PELLETED MUD FINE., CRINOIDS 8PCT.,
SOLID HYDROCARBIN.
COMMENTS- MUDSTONES VERY LIGHT TO DARK GREYISH
BROWN, PRECIPITANTLY MEDIUM BROWN.
- 8240 CALCAREOUS
CEMENT LIGHT BROWN., 20PCT CALCAREOUS., 70PCT PELLETED MUD,
TRACE OF FOSSILS.. GRAIN SIZE- MODE OF FOSSILS
MEDIUM., MODE OF PELLETED MUD FINE., CRINOIDS 8PCT.,
SOLID HYDROCARBIN.
COMMENTS- TRACE GILSONITE IN PELLETED GRAINSTONES.

- 8270 CALCAREOUS
CEMENT LIGHT BROWN., 10PCT CALCAREOUS., 80PCT PELLEDED MUD,
TRACE OF FOSSILS.. GRAIN SIZE- MODE OF FOSSILS
MEDIUM., MODE OF PELLEDED MUD FINE., CRINOIDS 8PCT.
- 8320 CALCAREOUS
CEMENT LIGHT BROWN., 20PCT CALCAREOUS., 70PCT PELLEDED MUD,
TRACE OF FOSSILS.. GRAIN SIZE- MODE OF FOSSILS
MEDIUM., MODE OF PELLEDED MUD FINE., CRINOIDS 5PCT.
COMMENTS- MUDSTONES DARK GREYISH BROWN TO
PREDOMINANTLY MEDIUM BROWN.
- 8350 COMMENTS- CORED INTERVAL 8354 FT. TO 8414 FT.
- 8420 LIMESTONE MEDIUM BROWN., 40PCT CALCAREOUS CEMENT., 40PCT
PELLEDED MUD.. GRAIN SIZE- MODE OF CRINOIDS MEDIUM.,
MODE OF PELLEDED MUD FINE., CRINOIDS 3PCT.
- 8490 CALCAREOUS
CEMENT LIGHT BROWN., 30PCT CALCAREOUS., 60PCT PELLEDED MUD,
TRACE OF FOSSILS.. GRAIN SIZE- MODE OF FOSSILS
MEDIUM., MODE OF PELLEDED MUD FINE., CRINOIDS 3PCT.,
STYLCLITES.
COMMENTS- MUDSTONE, PREDOMINANTLY MEDIUM BROWN.
- 8620 CALCAREOUS
CEMENT LIGHT BROWN., 40PCT CALCAREOUS., 50PCT PELLEDED MUD,
TRACE OF FOSSILS.. GRAIN SIZE- MODE OF FOSSILS
MEDIUM., MODE OF PELLEDED MUD FINE., CSTRACODS 1PCT,
CRINOIDS 5PCT., SOLID HYDROCARBIN.
COMMENTS- MUDSTONE PREDOMINANTLY DARK GREYISH
BROWN, TRACE GILSONITE IN PELSARITE.
- 8670 LIME
MUDSTONE
- 8740 LIME
MUDSTONE 10PCT CALCAREOUS CEMENT., TRACE OF PELLEDED MUD..
GRAIN SIZE- MODE OF TWO-HOLE CRINOIDS COARSE., MODE OF
FOSSILS MEDIUM., MODE OF PELLEDED MUD FINE., CRINOIDS
5PCT, TWO-HOLE CRINOIDS 1PCT, FOSSILS 1PCT.
- 8760 LIME
MUDSTONE 20PCT CALCAREOUS CEMENT., TRACE OF PELLEDED MUD, TRACE
OF FOSSILS.. GRAIN SIZE- MODE OF FOSSILS MEDIUM., MODE
OF PELLEDED MUD FINE., CRINOIDS 8PCT, CORAL 1PCT,
GASTROPODS 1PCT.
- 8780 LIME
MUDSTONE 30PCT CALCAREOUS CEMENT., 20PCT PELLEDED MUD, TRACE OF
FOSSILS.. GRAIN SIZE- MODE OF FOSSILS MEDIUM., MODE OF
PELLEDED MUD FINE., CRINOIDS 8PCT, TWO-HOLE CRINOIDS
2PCT.

- 8810 CALCAREOUS
CEMENT LIGHT GREY., 40PCT CALCAREOUS., 50PCT PELLEDED MUD,
TRACE OF FOSSILS.. GRAIN SIZE- MODE OF FOSSILS
MEDIUM., MODE OF PELLEDED MUD FINE., CRINOIDS 8PCT.
- 8820 LIME
MUDSTONE DARK BROWN., 30PCT CALCAREOUS CEMENT., 20PCT PELLEDED
MUD, TRACE OF FOSSILS.. GRAIN SIZE- MODE OF FOSSILS
MEDIUM., MODE OF PELLEDED MUD FINE., CRINOIDS 8PCT.
- 8860 LIME
MUDSTONE 20PCT CALCAREOUS CEMENT., TRACE OF FOSSILS, 20PCT
PELLETED MUD.. GRAIN SIZE- MODE OF FOSSILS MEDIUM.,
MODE OF PELLEDED MUD FINE., CRINOIDS 8PCT.
- 8880 SHALE BLACK., 10PCT CALCAREOUS CRINOIDS, 30PCT CALCAREOUS,
20PCT CALCAREOUS CEMENT., TRACE OF PELLEDED MUD, TRACE
OF CRINOIDS.. GRAIN SIZE- MODE OF CRINOIDS MEDIUM.,
MODE OF PELLEDED MUD FINE.
- 8890 SHALE BLACK., 20PCT CALCAREOUS, 10PCT CALCAREOUS CEMENT.,
TRACE OF PELLEDED MUD.. GRAIN SIZE- MODE OF PELLEDED
MUD FINE.
- 8900 LIME
MUDSTONE 40PCT ARGILLACEOUS MATERIAL, 10PCT CALCAREOUS CEMENT.,
TRACE OF PELLEDED MUD.. GRAIN SIZE- MODE OF PELLEDED
MUD FINE., CRINOIDS 5PCT.
- 8930 LIME
MUDSTONE
- 8970 LIME
MUDSTONE 20PCT CALCAREOUS CEMENT., TRACE OF FOSSILS, 20PCT
PELLETED MUD.. GRAIN SIZE- MODE OF TWO-HOLE CRINOIDS
COARSE., MODE OF FOSSILS MEDIUM., MODE OF PELLEDED MUD
FINE., CRINOIDS 5PCT, TWO-HOLE CRINOIDS 3PCT,
GASTROPODS 1PCT, BRACHIOPODS 1PCT., SOLID HYDROCARBIN.
COMMENTS- TRACE GILSONITE IN PELLET GRAINSTONE.
- 9060 LIME
MUDSTONE 10PCT ARGILLACEOUS MATERIAL, 20PCT CALCAREOUS CEMENT.,
20PCT PELLEDED MUD.. GRAIN SIZE- MODE OF TWO-HOLE
CRINOIDS COARSE., MODE OF PELLEDED MUD FINE., TWO-HOLE
CRINOIDS 3PCT.
- 9070 LIME
MUDSTONE 10PCT ARGILLACEOUS MATERIAL., TRACE OF FOSSILS.. GRAIN
SIZE- MODE OF FOSSILS MEDIUM, RANGE MEDIUM TO FINE.,
CRINOIDS 3PCT, TWO-HOLE CRINOIDS 2PCT, MICROFOSSILS
5PCT, BRACHIOPODS 1PCT.
COMMENTS- MICROFOSSILS, PREDOMINANTLY STYLICLINA.

- 9100 LIME
MUDSTONE 20PCT ARGILLACEOUS MATERIAL, 10PCT CALCAREOUS CEMENT.,
TRACE OF PELLEDED MUD.. GRAIN SIZE- MODE OF CRINOIDS
MEDIUM., MODE OF PELLEDED MUD FINE., CRINOIDS 5PCT.
- 9110 LIME
MUDSTONE 10PCT ARGILLACEOUS MATERIAL, 10PCT CALCAREOUS CEMENT.,
TRACE OF FOSSILS, TRACE OF FOSSILS, TRACE OF PELLEDED
MUD.. GRAIN SIZE- MODE OF CRINOIDS COARSE., MODE OF
FOSSILS MEDIUM., MODE OF PELLEDED MUD FINE., CRINOIDS
5PCT, TWO-HOLE CRINOIDS 2PCT, CORAL 1PCT.
COMMENTS- STYLIOLINA IN SHALE, VERY MINOR CRINOIDAL
FAKSTONE.
- 9160 LIME
MUDSTONE 10PCT CALCAREOUS CEMENT., TRACE OF FOSSILS, TRACE OF
PELLEDED MUD.. GRAIN SIZE- MODE OF CRINOIDS MEDIUM.,
MODE OF PELLEDED MUD FINE., CRINOIDS 8PCT, TWO-HOLE
CRINOIDS 3PCT, GASTROPODS 1PCT.
- 9220 LIME
MUDSTONE 20PCT CALCAREOUS CEMENT., TRACE OF FOSSILS, TRACE OF
PELLEDED MUD, TRACE OF FOSSILS.. GRAIN SIZE- MODE OF
CRINOIDS MEDIUM., CRINOIDS 8PCT, TWO-HOLE CRINOIDS
2PCT, BRACHIOPODS 1PCT, GASTROPODS 1PCT.
- 9300 LIME
MUDSTONE GRAIN SIZE- MODE OF CRINOIDS FINE., CRINOIDS 2PCT,
PELLEDED MUD 5PCT.
- 9340 LIME
MUDSTONE DARK GREY., 10PCT ARGILLACEOUS MATERIAL.
- 9380 LIME
MUDSTONE DARK GREY., 10PCT ARGILLACEOUS MATERIAL., 50PCT
ARGILLACEOUS MATERIAL.. GRAIN SIZE- MODE OF
MICROFOSSILS FINE., MICROFOSSILS 2PCT, BRACHIOPODS
1PCT.
COMMENTS- ARGILLACEOUS BASINAL MUDSTONE FACIES WITH
STYLIOLINA, INARTICULATE BRACHIOPODS.
- 9430 LIME
MUDSTONE DARK GREY., 10PCT ARGILLACEOUS MATERIAL.. GRAIN SIZE-
MODE OF PELLEDED MUD FINE., MODE OF CRINOIDS VERY
FINE., PELLEDED MUD 5PCT, CRINOIDS 1PCT, MICROFOSSILS
2PCT.
- 9460 LIME
MUDSTONE DARK GREY., 10PCT ARGILLACEOUS MATERIAL.. GRAIN SIZE-
MODE OF MICROFOSSILS MEDIUM., CRINOIDS 1PCT,
MICROFOSSILS 3PCT, TENTACULITES 2PCT, BRACHIOPODS
1PCT.
COMMENTS- BASINAL MUDSTONE WITH A STY-
LIOLINA, TENTACULITES, INARTICULATE BRACHIOPOD, SMALL
CRINOID ASSEMBLAGE.

- 949C LIME
MUDSTONE DARK GREY., 10PCT ARGILLACEOUS MATERIAL, 10PCT ARGILLACEOUS MATERIAL.. GRAIN SIZE- MODE OF TENTACULITES MEDIUM., TENTACULITES 2PCT. COMMENTS- SHALE, BLACK AND CALCAREOUS.
- 950C LIME
MUDSTONE DARK GREY., 10PCT ARGILLACEOUS MATERIAL.. GRAIN SIZE- MODE OF MICROFOSSILS MEDIUM., TENTACULITES 3PCT, MICROFOSSILS 2PCT. COMMENTS- STYLIOLINA.
- 953C LIME
MUDSTONE DARK GREY., 10PCT CALCAREOUS CEMENT., TRACE OF PELLETED MUD.. GRAIN SIZE- MODE OF PELLETED MUD FINE.
- 954C LIME
MUDSTONE DARK GREY., 10PCT ARGILLACEOUS MATERIAL.. GRAIN SIZE- MODE OF MICROFOSSILS MEDIUM., MICROFOSSILS 3PCT, TENTACULITES 2PCT. COMMENTS- STYLIOLINA.
- 9570 LIME
MUDSTONE DARK GREY., 10PCT ARGILLACEOUS MATERIAL., TRACE OF FOSSILS.. GRAIN SIZE- MODE OF FOSSILS MEDIUM., MODE OF PELLETED MUD FINE., MICROFOSSILS 6PCT, TENTACULITES 6PCT, PELLETED MUD 2PCT. COMMENTS- STYLIOLINA.
- 9580 LIME
MUDSTONE DARK GREY., 20PCT ARGILLACEOUS MATERIAL, 10PCT ARGILLACEOUS MATERIAL.. GRAIN SIZE- MODE OF MICROFOSSILS MEDIUM., MICROFOSSILS 2PCT, TENTACULITES 3PCT. COMMENTS- BLACK CALCAREOUS SHALE, MINOR STYLIOLINA.
- 959C LIME
MUDSTONE DARK GREY., 10PCT ARGILLACEOUS MATERIAL., TRACE OF FOSSILS.. GRAIN SIZE- MODE OF MICROFOSSILS MEDIUM., MODE OF PELLETED MUD FINE., MICROFOSSILS 5PCT, TENTACULITES 6PCT, PELLETED MUD 2PCT. COMMENTS- STYLIOLINA.
- 960C LIME
MUDSTONE DARK GREY., 10PCT ARGILLACEOUS MATERIAL, 10PCT ARGILLACEOUS MATERIAL.. GRAIN SIZE- MODE OF MICROFOSSILS MEDIUM., MICROFOSSILS 5PCT, TENTACULITES 2PCT, PELLETED MUD 3PCT. COMMENTS- STYLIOLINA, SHALE BLACK CALCAREOUS.

- 9640 LIME
MUDSTONE 10PCT ARGILLACEOUS MATERIAL, 20PCT CALCAREOUS CEMENT.,
20PCT PELLEDED MUD.. GRAIN SIZE- MODE OF FOSSILS
MEDIUM., MODE OF PELLEDED MUD FINE., MICROFOSSILS
2PCT, TENTAULITES 1PCT, CRINOIDS 1PCT, TWO-HOLE
CRINICIDS 2PCT.
COMMENTS- MINOR STYLICLINA.
- 9660 CALCAREOUS
CEMENT LIGHT BROWN., 30PCT CALCAREOUS., 60PCT PELLEDED MUD,
TRACE OF FOSSILS.. GRAIN SIZE- MODE OF FOSSILS
MEDIUM., MODE OF PELLEDED MUD FINE., CRINOIDS 8PCT,
TWO-HOLE CRINICIDS 2PCT.
COMMENTS- MUDSTONE DARK GREYISH BROWN.
- 9680 CALCAREOUS
CEMENT LIGHT BROWN., 30PCT ARGILLACEOUS MATERIAL, 10PCT
CALCAREOUS., 50PCT PELLEDED MUD, TRACE OF FOSSILS..
GRAIN SIZE- MODE OF FOSSILS MEDIUM., MODE OF PELLEDED
MUD FINE., CRINOIDS 8PCT.
COMMENTS- SHALE BLACK, MUDSTONES DARK GREYISH BROWN.
- 9700 COMMENTS- PCCR SAMPLES, PREDOMINANTLY GRANULE SIZE
CAVINGS DUE TO TRIPPING.
- 9730 CALCAREOUS
CEMENT 30PCT ARGILLACEOUS MATERIAL, 20PCT CALCAREOUS., 50PCT
PELLEDED MUD.. GRAIN SIZE- MODE OF CRINOIDS MEDIUM.,
MODE OF PELLEDED MUD FINE., CRINOIDS 3PCT.
- 9740 LIME
MUDSTONE DARK BROWN., 10PCT ARGILLACEOUS MATERIAL, 30PCT
CALCAREOUS CEMENT., 30PCT PELLEDED MUD.. GRAIN SIZE-
MODE OF CRINICIDS MEDIUM., MODE OF PELLEDED MUD FINE.,
CRINICIDS 3PCT.
- 9750 LIME
MUDSTONE DARK BROWN., 10PCT ARGILLACEOUS MATERIAL, 10PCT SPAR
DOLOMITE, 10PCT CALCAREOUS CEMENT., TRACE OF PELLEDED
MUD.. GRAIN SIZE- MODE OF SPAR DOLOMITE FINE.
COMMENTS- DOLOMITE LIGHT BROWN.
- 9770 LIME
MUDSTONE DARK BROWN., 10PCT CALCAREOUS CEMENT., TRACE OF
PELLEDED MUD.. GRAIN SIZE- MODE OF PELLEDED MUD FINE.,
CRINICIDS 3PCT, BRACHIOPODS 1PCT, SPAR DOLOMITE 5PCT.
- 9790 LIME
MUDSTONE DARK BROWN.. GRAIN SIZE- MODE OF PELLEDED MUD FINE.,
PELLEDED MUD 3PCT, CRINICIDS 2PCT, OSTRACODS 1PCT.

982C	LIME MUDSTONE	DARK BROWN., 10PCT CALCAREOUS CEMENT., TRACE OF PELLETED MUD.. GRAIN SIZE- MODE OF TWO-HOLE CRINIDS CCARSE., MODE OF CRINIDS MEDIUM., MODE OF PELLETED MUD FINE., CRINIDS 3PCT, TWO-HOLE CRINIDS 2PCT, CSTRACCES 1PCT.
983C	LIME MUDSTONE	DARK BROWN.. GRAIN SIZE- MODE OF TWO-HOLE CRINIDS CCARSE., MODE OF CRINIDS MEDIUM., MODE OF PELLETED MUD FINE., CRINIDS 2PCT, TWO-HOLE CRINIDS 1PCT, PELLETED MUD 1PCT.
989C	LIME MUDSTONE	DARK BROWN., 10PCT DOLOMITIC. COMMENTS- DOLomite MUDSTONE, LIGHT TO MEDIUM BROWN.
992C	LIME MUDSTONE	DARK BROWN.
995C	LIME MUDSTONE	MEDIUM BROWN., 10PCT DOLomite REPLACEMENT.
997C	LIME MUDSTONE	DARK BROWN., 10PCT DOLomite REPLACEMENT.
1000C	LIME MUDSTONE	MEDIUM BROWN., 10PCT DOLomite REPLACEMENT.
1003C	LIME MUDSTONE	MEDIUM BROWN., 30PCT DOLomite REPLACEMENT.
1004C	SHALE	DARK BROWN., 30PCT CALCAREOUS, 30PCT DOLomite REPLACEMENT. COMMENTS- SAMPLE TOP DELORME, 10,040.
1006C	LIME MUDSTONE	MEDIUM BROWN., 10PCT ARGILLACEOUS MATERIAL, 30PCT DOLomite REPLACEMENT.
1008C	DOLomite MUDSTONE	DARK BROWN., 10PCT ARGILLACEOUS MATERIAL, 10PCT CALCAREOUS MATERIAL.
1009C	LIME MUDSTONE	MEDIUM BROWN., 50PCT DOLomite REPLACEMENT.
1010C	DOLomite MUDSTONE	MEDIUM BROWN., 10PCT ARGILLACEOUS MATERIAL, 10PCT CALCAREOUS MATERIAL.

10110 LIME MUDSTONE MEDIUM BROWN., 10PCT ARGILLACEOUS MATERIAL, 30PCT DOLomite REPLACEMENT.
COMMENTS- LITHOGRAPHIC LIMESTONE, WHITE TO PRECMINANTLY MEDIUM BROWN.

10120 LIME MUDSTONE MEDIUM BROWN.

10130 LIME MUDSTONE MEDIUM BROWN., 10PCT DOLomite REPLACEMENT.

10150 LIME MUDSTONE MEDIUM BROWN.

10220 LIME MUDSTONE MEDIUM BROWN.
COMMENTS- MINOR BLACK SHALE, TRACE LIGHT GREENISH BROWN MUDSTONE.

10230 LIME MUDSTONE MEDIUM BROWN., 10PCT ARGILLACEOUS MATERIAL, 30PCT DOLomite REPLACEMENT.. PYRITE 2PCT.
COMMENTS- PYRITE ASSOCIATED WITH LIGHT GREEN ARGILLACEOUS MUDSTONE.

10250 DOLomite MUDSTONE MEDIUM BROWN., 10PCT ARGILLACEOUS MATERIAL, 10PCT CALCAREOUS MATERIAL.. PYRITE 2PCT.

10280 DOLomite MUDSTONE MEDIUM BROWN., 10PCT CALCAREOUS MATERIAL.
COMMENTS- MINOR BLACK SHALE AND LIGHT GREEN ARGILLACEOUS MUDSTONE.

10310 LIME MUDSTONE MEDIUM BROWN., 40PCT DOLomite REPLACEMENT.
COMMENTS- MINOR BLACK SHALE.

10330 LIME MUDSTONE MEDIUM BROWN., 10PCT DOLomite REPLACEMENT.

10340 LIME MUDSTONE MEDIUM BROWN., 50PCT DOLomite REPLACEMENT.

10350 DOLomite MUDSTONE MEDIUM BROWN., 10PCT CALCAREOUS MATERIAL.
COMMENTS- MINOR BLACK SHALE.

10370 LIME MUDSTONE LIGHT BROWN., 40PCT DOLomite REPLACEMENT.
COMMENTS- MINOR BLACK SHALE.

10390 LIME MUDSTONE LIGHT BROWN., 10PCT DOLomite REPLACEMENT.

10400	DOLLOMITE MUDSTONE	MEDIUM BROWN., 10PCT CALCAREOUS MATERIAL. COMMENTS- LITHOGRAPHIC, RESTRICTED MUD- STONES, AS RECE.
10440	LIME MUDSTONE	MEDIUM BROWN., 50PCT DOLLOMITE REPLACEMENT.
10460	DOLLOMITE MUDSTONE	MEDIUM BROWN., 10PCT CALCAREOUS MATERIAL.
10470	DOLLOMITE MUDSTONE	MEDIUM BROWN., 20PCT ARGILLACEOUS MATERIAL, 10PCT CALCAREOUS MATERIAL. COMMENTS- PROBABLY MUCH OF THE SHALE DUE TO TRIP CUTTINGS.
10480	DOLLOMITE MUDSTONE	MEDIUM BROWN., 10PCT ARGILLACEOUS MATERIAL, 10PCT CALCAREOUS MATERIAL.
10500	LIME MUDSTONE	MEDIUM BROWN., 10PCT ARGILLACEOUS MATERIAL, 40PCT DOLLOMITE REPLACEMENT.
10510	LIME MUDSTONE	MEDIUM BROWN., 20PCT DOLLOMITE REPLACEMENT.
10550	LIME MUDSTONE	MEDIUM BROWN., 40PCT DOLLOMITE REPLACEMENT.
10580	LIME MUDSTONE	MEDIUM BROWN., 10PCT DOLLOMITE REPLACEMENT.
10630	LIME MUDSTONE	MEDIUM BROWN., 40PCT DOLLOMITE REPLACEMENT.
10660	LIME MUDSTONE	MEDIUM BROWN., 10PCT DOLLOMITE REPLACEMENT.
10680	LIME MUDSTONE	MEDIUM BROWN., 30PCT DOLLOMITE REPLACEMENT.
10700	LIME MUDSTONE	MEDIUM BROWN., 10PCT DOLLOMITE REPLACEMENT.
10735		COMMENTS- TOTAL DEPTH DRILLED - 10735FT.

K 12022/32



CONVENTIONAL CORE DESCRIPTION

WELL NAME AND NUMBER

SHELL PEEL RIVER M-69

Core: Interval 8354-8414

Limestone:

1. predominantly medium to dark brown, pelleted grainstones and mudstones, minor bioclastic fragments (predominantly crinoids)
2. fractured

DESCRIBED BY I. A. McIlreath

DATE Dec. 1974

K 12022/33



SIDEWALL CORE DESCRIPTION

WELL NAME AND NUMBER

SHELL PEEL RIVER M-69

See following pages

DESCRIBED BY I. A. McILREATH

DATE DEC. 1974

SHELL CANADA LIMITED
EXPLORATION AND PRODUCTION DEPT.
LITHOLOGIC DESCRIPTION

PROVINCE YUK COMPANY SHELL CANADA LTD. AREA PEEL RIVER

WELL NAME PEEL RIVER M-69

TOTAL DEPTH 10737 COMMENCED 06/10/74 COMPLETED 04/12/74

LAT. 66. DEG 08. MIN 56.00 SEC LONG. 133. DEG 58. MIN 04.00 SEC

DATE LOGGED 23/12/74 BY IAN MCILREATH

ELEVATION AT KELLY BUSHING 0957 WATER DEPTH

LOGS AND ANALYSIS

REMARKS

1304	SHALE	MEDIUM GREY.. MICA 3PCT. COMMENTS- MEDIUM GREY SHALE.
1354	SHALE	MEDIUM BROWN.. MICA 1PCT. COMMENTS- SLIGHTLY GREYISH MEDIUM BROWN SHALE.
1404	SHALE	MEDIUM BROWN.. MICA 2PCT. COMMENTS- GREYISH MEDIUM BROWN SHALE.
1454	MUDSTONE	MEDIUM GREY. COMMENTS- POOR SAMPLE RECOVERY, BROWNISH MEDIUM GREY MUDSTONE.
1503	SHALE	MEDIUM GREY.. MICA 1PCT. COMMENTS- BROWNISH MEDIUM GREY SHALE.
1553	SHALE	MEDIUM BROWN.. MICA 1PCT. COMMENTS- MEDIUM BROWN SHALE.
1603	SANDSTONE	MEDIUM BROWN., 30PCT SILT.. GRAIN SIZE- MODE OF SAND VERY FINE. COMMENTS- MEDIUM BROWN SILTY SANDSTONE.
1653	SANDSTONE	MEDIUM BROWN.. GRAIN SIZE- MODE OF SAND FINE., MODE OF SAND VERY FINE. COMMENTS- MEDIUM BROWN SANDSTONE.
1703	SANDSTONE	MEDIUM BROWN.. GRAIN SIZE- MODE OF SAND VERY FINE. COMMENTS- MEDIUM BROWN SANDSTONE.
1752	SILTSTONE	MEDIUM BROWN. COMMENTS- MEDIUM BROWN SILTSTONE.
1802	SANDSTONE QUARTZOSE	GREENISH BROWN., 10PCT GLAUCONITE, 20PC.. GRAIN SIZE- MODE OF SAND VERY FINE. COMMENTS- GLAUCONTIC FINE SANDSTONE.
1852	SANDSTONE QUARTZOSE	GREENISH BROWN., 10PCT GLAUCONITE, 20PC.. GRAIN SIZE- MODE OF SAND VERY FINE. COMMENTS- GLAUCONTIC FINE SANDSTONE.
1902	SILTSTONE	MEDIUM BROWN. COMMENTS- MEDIUM BROWN SILTSTONE.
1952	SHALE	DARK GREY.. MICA 2PCT. COMMENTS- VERY POOR SAMPLE RECOVERY, DARK GREY SHALE.
2001	SHALE	DARK GREY. COMMENTS- POOR SAMPLE RECOVERY, DARK GREY SHALE.
2151	SHALE	DARK GREY.. MICA 1PCT. COMMENTS- DARK GREY SHALE.

2201 SHALE DARK GREY.
COMMENTS- VERY POOR SAMPLE RECOVERY, DARK GREY SHALE.

2300 SHALE DARK GREY.. MICA 2PCT.
COMMENTS- DARK GREY SHALE, POOR SAMPLE R ECOVERY.

2350 SHALE DARK GREY.
COMMENTS- DARK GREY SHALE.

2400 SHALE DARK GREY.. MICA 2PCT.
COMMENTS- DARK GREY SHALE.

2458 SHALE DARK GREY.. MICA 2PCT.
COMMENTS- DARK GREY SHALE.

2505 SHALE DARK GREY.. MICA 2PCT.
COMMENTS- DARK GREY SHALE.

2555 SHALE DARK GREY.. MICA 2PCT.
COMMENTS- DARK GREY SHALE.

2604 MUDSTONE DARK GREY.. MICA 2PCT.
COMMENTS- SLIGHTLY BROWNISH DARK GREY MU DSTONE.

2654 MUDSTONE DARK BROWN.. MICA 2PCT.
COMMENTS- DARK GREYISH BROWN MUDSTONE.

2704 MUDSTONE DARK GREY.
COMMENTS- SLIGHTLY BRUWNISH DARK GREY MU DSTONE.

2754 SHALE LIGHT GREY.. MICA 2PCT.
COMMENTS- LIGHT GREY SHALE.

2804 MUDSTONE MEDIUM GREY.. MICA 2PCT.
COMMENTS- BROWNISH MEDIUM GREY MUDSTONE.

2903 SHALE MEDIUM GREY.
COMMENTS- MEDIUM GREY SHALE.

2953 SHALE DARK BROWN.
COMMENTS- DARK GREYISH BROWN SHALE.

3053 SANDSTONE MEDIUM BROWN.. GRAIN SIZE- MODE OF SAND VERY FINE.
COMMENTS- SLIGHTLY GREYISH BROWN, VERY FI NE SANDSTONE.

3152 MUDSTONE DARK BROWN.. SOLID HYDROCARBIN.
COMMENTS- DARK GREYISH BROWN MUDSTONE, BI TUMEN ALONG MICROBEDDING.

3252 SHALE DARK BROWN., 20PCT SILT.
COMMENTS- DARK GREYISH BROWN SHALE WITH WHITE SILTSTONE LAMINAE.

3301 SHALE DARK GREY., 10PCT SILT.
COMMENTS- DARK BROWNISH GREY SHALE WITH WHITE SILTSTONE LAMINAE.

3351 SILTSTONE DARK BROWN.
COMMENTS- DARK SLIGHTLY GREYISH BROWN SILTSTONE.

3401 MUDSTONE DARK BROWN., 10PCT SAND.. GRAIN SIZE- MODE OF SAND VERY FINE.
COMMENTS- DARK BROWN, SLIGHTLY SANDY MUDSTONE.

3451 MUDSTONE DARK BROWN.
COMMENTS- DARK SLIGHTLY GREYISH BROWN MUDSTONE.

3501 MUDSTONE DARK BROWN.
COMMENTS- POOR SAMPLE RECOVERY, DARK BROWN MUDSTONE.

3600 MUDSTONE DARK BROWN.
COMMENTS- DARK BROWN MUDSTONE.

3654 MUDSTONE DARK BROWN.
COMMENTS- DARK BROWN MUDSTONE.

3704 MUDSTONE DARK BROWN.
COMMENTS- DARK BROWN MUDSTONE.

3754 MUDSTONE DARK BROWN.
COMMENTS- DARK SLIGHTLY GREYISH BROWN MUDSTONE.

3804 MUDSTONE DARK BROWN.
COMMENTS- DARK SLIGHTLY GREYISH BROWN MUDSTONE.

3853 MUDSTONE DARK BROWN.
COMMENTS- POOR SAMPLE RECOVERY, DARK BROWN MUDSTONE

3908 MUDSTONE DARK BROWN.
COMMENTS- DARK BROWN MUDSTONE.

4103 SHALE DARK BROWN., 10PCT SILT.. GRAIN SIZE- MODE OF SAND VERY FINE.
COMMENTS- DARK GREYISH BROWN SHALE WITH ONE WHITE SILTSTONE LAMINAE.

4153 SHALE DARK BROWN.
COMMENTS- DARK GREYISH BROWN SHALE

4203 SHALE DARK BROWN.
COMMENTS- DARK GREYISH BROWN SHALE TO MUDSTONE.

4402 SHALE DARK BROWN.
COMMENTS- DARK BROWN SHALE TO MUDSTONE.

4452 SHALE DARK BROWN.
COMMENTS- DARK BROWN SHALE TO MUDSTONE.

500	SHALE	DARK BROWN. COMMENTS- DARK BROWN SHALE.
4551	SHALE	DARK BROWN. COMMENTS- DARK BROWN SHALE OR MUDSTONE.
4601	SHALE	DARK BROWN. COMMENTS- DARK BROWN SHALE.
4751	SHALE	DARK BROWN., 10PCT SAND.. GRAIN SIZE- MODE OF SAND VERY FINE. COMMENTS- SLIGHTLY SANDY, DARK BROWN SHALE.
4850	SHALE	DARK BROWN. COMMENTS- DARK GREYISH BROWN SHALE.
5000	SHALE	COMMENTS- VERY DARK GREYISH BROWN SHALE.
5055	SHALE	MEDIUM GREY. COMMENTS- MEDIUM GREY SHALE.
5155	SHALE	DARK BROWN.. MICA 1PCT. COMMENTS- DARK BROWN SHALE.
5204	SHALE	DARK GREY., 10PCT SILT.. SOLID HYDROCARBIN. COMMENTS- BITUMEN VERY MINOR IN MINOR QU ARTZ SILTSTONE PLANAR LAMINAE.
5704	SHALE	DARK BLACK. COMMENTS- BLACK SHALE.
5754	SHALE	DARK BLACK. COMMENTS- BLACK SHALE.
5804	SHALE	DARK BROWN. COMMENTS- DARK BROWN SHALE.
5853	SHALE	MICA 1PCT. COMMENTS- GREYISH BROWN SHALE.
5903	SHALE	DARK BLACK. COMMENTS- BLACK SHALE.
5953	SHALE	DARK GREY.. MICA 1PCT. COMMENTS- DARK GREY SHALE.
6003	SHALE	DARK GREY.. MICA 2PCT. COMMENTS- SLIGHTLY MICEOUS DARK GREY SHA LE.
6053	SHALE	DARK GREY. COMMENTS- DARK GREY SHALE.
6102	SHALE	DARK GREY. COMMENTS- POOR SAMPLE RECOVERY, DARK GREY SHALE

6152 SHALE DARK BLACK.
COMMENTS- BLACK SHALE.

6202 SHALE DARK GREY.
COMMENTS- DARK GREY SHALE.

6252 SHALE DARK BROWN.. MICA 2PCT.
COMMENTS- DARK BROWN SHALE.

6301 SHALE MICA 5PCT.
COMMENTS- MICEOUS GREYISH BROWN SHALE.

6351 SHALE MICA 9PCT.
COMMENTS- MICEOUS GREYISH BROWN SHALE.

6401 SHALE DARK GREY.. MICA 1PCT.
COMMENTS- FAIR SAMPLE RECOVERY, DARK GREY SHALE.

6451 SHALE DARK BLACK.. MICA 2PCT.
COMMENTS- POOR SAMPLE RECOVERY, BLACK SHALE

6501 SHALE DARK BLACK.
COMMENTS- VERY POOR SAMPLE RECOVERY, BLACK SHALE

6550 COMMENTS- VERY POOR SAMPLE RECOVERY.

6600 SHALE COMMENTS- BLACK SHALE.

6654 SHALE COMMENTS- BLACK SHALE.

6704 SHALE MEDIUM GREY.. MICA 5PCT.
COMMENTS- MICEOUS MEDIUM GREY SHALE.

6754 SHALE MEDIUM GREY.. MICA 2PCT.
COMMENTS- MEDIUM GREY SHALE.

6803 SHALE DARK BLACK.
COMMENTS- BLACK SHALE.

6903 SHALE DARK GREY.. MICA 1PCT.
COMMENTS- DARK GREY SHALE.

7003 SHALE DARK GREY.. MICA 5PCT.
COMMENTS- MICEOUS DARK GREY SHALE.

7103 SHALE DARK GREY.. MICA 9PCT.
COMMENTS- MICEOUS DARK GREY SHALE.

7153 SHALE DARK GREY., 10PCT SILT.. MICA 8PCT.
COMMENTS- DARK GREY SILTY SHALE.

202 SHALE DARK GREY.
COMMENTS- POOR SAMPLE RECOVERY, DARK GREY SHALE.

7253	SHALE	DARK GREY.. MICA 2PCT. COMMENTS- DARK GREY SHALE.
7302	SILTSTONE	DARK BROWN., 40PCT ARGILLACEOUS MATERIAL.. GRAIN SIZE- MODE OF SAND VERY FINE. COMMENTS- DARK BROWN ARGILLACEOUS SILTST ONE.
7402	SHALE	DARK BLACK. COMMENTS- BLACK SHALE.
7426	SHALE	DARK BLACK. COMMENTS- BLACK SHALE.
7451	SHALE	DARK BLACK., 20PCT CALCAREOUS. COMMENTS- POOR SAMPLE RECOVERY, CALCAREOUS BLACK SHALE.
7464	SHALE	DARK BLACK., 20PCT CALCAREOUS. COMMENTS- CALCAREOUS BLACK SHALE.
7476	SHALE	DARK BLACK. COMMENTS- BLACK SHALE.
7488	SHALE	DARK BLACK. COMMENTS- BLACK SHALE WITH CALCITE FILLED FRACTURE.
7500	SHALE	DARK BLACK.. PYRITE 1PCT. COMMENTS- BLACK SHALE.
7512	SHALE	DARK BLACK.. PYRITE 2PCT. COMMENTS- BLACK SHALE.
7542	SHALE	DARK BLACK.. PYRITE 5PCT. COMMENTS- SLIGHTLY CALCAREOUS BLACK SHALE.
7555	LIMESTONE	DARK BLACK., 40PCT ARGILLACEOUS MATERIAL., TRACE OF MICROFOSSILS. COMMENTS- POOR SAMPLE RECOVERY, POSSIBLE STYLIOLINA.
7968	SHALE	DARK BLACK., 20PCT CALCAREOUS. COMMENTS- BLACK CALCAREOUS SHALE.
7989	LIMESTONE	BLACK., TRACE OF MICROFOSSILS. COMMENTS- POOR SAMPLE RECOVERY, BLACK LIMESTONE MUDSTONE.
9039	LIMESTONE	DARK BLACK., 20PCT MICROFOSSILS.. PYRITE 1PCT. COMMENTS- POOR SAMPLE RECOVERY, MICROFOSSILS PROBABLE STYLIOLINA.
9053	LIMESTONE	DARK BLACK., 20PCT MICROFOSSILS.. PYRITE 1PCT. COMMENTS- MICROFOSSILS POSSIBLE STYLIOLINA.

9703 LIMESTONE DARK GREY., 50PCT SPARRY CALCITE.. GRAIN SIZE- MODE OF LIMESTONE CRYSTALS VERY FINE.
COMMENTS- POOR SAMPLE RECOVERY, PARTIALLY RECRYSTALIZED.

9708 SPARRY CALCITE LIGHT GREY., 20PCT SPARRY DOLOMITE.. GRAIN SIZE- MODE OF SPAR CALCITE VERY FINE., PYRITE 1PCT.
COMMENTS- POOR SAMPLE RECOVERY, SPARRY CALCITE TO DOLOMITE.

10032 LIMESTONE DARK GREY., 30PCT DOLOMITE REPLACEMENT.. PYRITE 1PCT.
COMMENTS- POOR SAMPLE RECOVERY, SLIGHTLY DOLOMITIZED.

10051 LIMESTONE LIGHT GREY., 30PCT DOLOMITE REPLACEMENT.
COMMENTS- POOR SAMPLE RECOVERY, SLIGHTLY DOLOMITIZED.

10321 LIMESTONE COMMENTS- POOR SAMPLE RECOVERY.

10341 SHALE DARK BROWN., 10PCT QUARTZ SAND.. GRAIN SIZE- MODE OF SAND FINE., PYRITE 1PCT.
COMMENTS- GOOD SAMPLE RECOVERY.

K 12022/34



CORE ANALYSIS

WELL NAME AND NUMBER

SHELL PEEL RIVER M-69

Nil

K 12022/35



FLUID ANALYSIS

WELL NAME AND NUMBER

SHELL PEEL RIVER M-69

See following pages



Stainless Steel

GAS ANALYSIS

7012-41218

CONTAINER IDENTITY

LABORATORY NUMBER

Shell Canada Limited

1 of 4

66° 08' 56.00 N.L.

OPERATOR

PAGE

133° 58' 04.00 W.L.

Shell Peel River YT M-69

957'

927'

LOCATION

WELL OR SAMPLE LOCATION NAME

KB ELEV.

GRD. ELEV.

Wildcat, Yukon Territories

Devonian

Johnston Testers

FIELD OR AREA

POOL OR ZONE

SAMPLER

DST #4

DST: 310' Muddy Water

Tool: 1280 cc Muddy Water

TEST TYPE & NO.

TEST RECOVERY

MFE Chamber (No Number)

@

OF

POINT OF SAMPLE

AMT. & TYPE CUSHION

MUD RESISTIVITY

5718' - 5905'

PUMPING

FLOWING

GAS LIFT

SWAB

WATER

BBL/D.

OIL

BBL/D.

GAS

MFC/D.

TEST INTERVALS OR PERFS.

SEPARATOR RESERVOIR

@ OF
CONTAINER
WHEN SAMPLED

100 @ 76 OF
CONTAINER
WHEN RECEIVED

SEPARATOR

PRESSURES, PSIG

TEMPERATURES, °F

Nov. 29/74

Dec. 5/74

Dec. 8/74

B.G.

DATE SAMPLED (D/M/Y)

DATE RECEIVED (D/M/Y)

DATE ANALYSED (D/M/Y)

ANALYST

REMARKS

COMPONENT	MOL % AIR FREE AS REC'D	MOL % AIR FREE ACID GAS FREE	CDN. G.P.M. AIR FREE AS REC'D
H ₂	0.04		
	0.01		
N ₂	0.62		
CO ₂	2.45		
H ₂ S	0.00		
C ₁	96.60		
C ₂	0.23		
C ₃	0.04		0.009
iC ₄	0.01		0.003
C ₄	Trace		0.000
iC ₅	0.00		0.000
C ₅	0.00		0.000
C ₆	0.00		0.000
C ₇₊	0.00		0.000
TOTAL	100.00		0.012
		C ₆₊	0.000

GROSS HEATING VALUE BTU/FT ³ @ 60°F & 14.65 PSIA (MOISTURE & ACID GAS FREE)			
MEASURED	1002.8	CALCULATED	0.0
		DEW POINT	VAPOUR PRESS. PENTANES PLUS

SPECIFIC GRAVITY			
MOISTURE FREE AS SAMPLED		MOISTURE AND ACID GAS FREE	
MEASURED	0.581	MEASURED	CALCULATED

PSEUDOCRITICAL PROPERTIES (CALCULATED)			
AS SAMPLED		ACID GAS FREE	
681.6	348.1		
PPC	PTC	PPC	PTC
PSIA	OR	PSIA	OR

REMARKS

Flowed gas to surface, 3 foot flare decreasing to 2 feet unsteady.



Plastic

WATER ANALYSIS

7012-41218

CONTAINER IDENTITY

LABORATORY NUMBER

Shell Canada Limited

2 of 4

66° 08' 56.00 N.L.

OPERATOR

PAGE

133° 58' 04.00 W.L.

Shell Peel River YT M-69

957'

927'

LOCATION

WELL OR SAMPLE LOCATION NAME

KB ELEV.

GRD. ELEV.

Wildcat, Yukon Territories

Devonian

Johnston Testers

FIELD OR AREA

POOL OR ZONE

SAMPLER

DST #4

DST: 310' Muddy Water, Tool: 1280 cc Muddy Water

TEST TYPE & NO.

TEST RECOVERY

MFE Chamber (No Number)

AMT. & TYPE CUSHION

@ OF MUD RESISTIVITY

POINT OF SAMPLE

PUMPING

FLOWING

GAS LIFT

SWAB

5718' - 5905'

WATER

BBLS/D.

OIL

BBLS/D.

GAS

MFC/D.

TEST INTERVALS OR PERFS.

SEPARATOR RESERVOIR

@ OF CONTAINER WHEN SAMPLED

@ OF CONTAINER WHEN RECEIVED

SEPARATOR

PRESSURES, PSIG

TEMPERATURES, °F

Nov. 29/74

Dec. 9/74

Dec. 9/74

A.A.

DATE SAMPLED (D/M/Y)

DATE RECEIVED (D/M/Y)

DATE ANALYSED (D/M/Y)

ANALYST

REMARKS

ION	MG/L	MG%	MEQ/L
Na+K	16782	37.8	730.0
K			
Ca	467	1.1	23.3
Mg	0	0.0	0.0
Ba			
Sr			
Fe		PRESENT	

ION	MG/L	MG%	MEQ/L
Cl ⁻	25539	57.5	720.4
Br			
I			
HCO ₃	586	1.3	9.6
SO ₄	957	2.2	19.9
CO ₃	98	0.2	3.3
OH	0	0.0	0.0
H ₂ S	NOT DETECTED		

TOTAL SOLIDS MG/L

BY EVAPORATION @ 110°C

BY EVAPORATION @ 110°C

44428

AT IGNITION

CALCULATED

1.0308 @ 60°F

1.3396 @ 21°C

SPECIFIC GRAVITY

REFRACTIVE INDEX

8.6

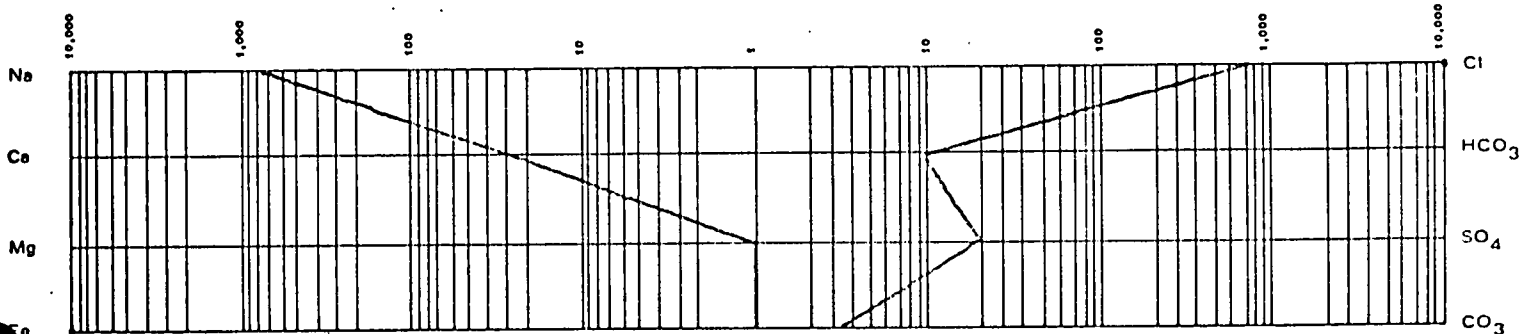
0.143

@ 25°C

pH

RESISTIVITY (OHM/METERS)

LOGARITHMIC PATTERN MEQ PER LITER



REMARKS

NaCl equiv 43524



CORE LABORATORIES - CANADA LTD.
Petroleum Reservoir Engineering
CALGARY ALBERTA



Stainless Steel
 CONTAINER IDENTITY

GAS ANALYSIS

7012-41218
 LABORATORY NUMBER

Shell Canada Limited 3 of 4

66° 08' 56.00 N.L. OPERATOR PAGE
 133° 58' 04.00 W.L. **Shell Peel River YT M-69** **957'** **927'**
 LOCATION WELL OR SAMPLE LOCATION NAME KB ELEV. GRD. ELEV.

Wildcat, Yukon Territories **Devonian** **Johnston Testers**
 FIELD OR AREA POOL OR ZONE SAMPLER

DST #5 **DST: 310' Muddy Water** **Tool: 1490 cc Muddy Water**
 TEST TYPE & NO. TEST RECOVERY

MFE Chamber #103732 @ OF

5505' - 5658' PUMPING FLOWING GAS LIFT SWAB
 TEST INTERVALS OR PERFS. WATER BBLS/D. OIL BBLS/D. GAS MFC/D.

SEPARATOR RESERVOIR @ OF 85 @ 76 OF SEPARATOR
 CONTAINER WHEN SAMPLED CONTAINER WHEN RECEIVED TEMPERATURES, °F

3:00 PM PRESSURES, PSIG TEMPERATURES, °F
Dec. 1/74 **Dec. 5/74** **Dec. 8/74** **B.G.**
 DATE SAMPLED (D/M/Y) DATE RECEIVED (D/M/Y) DATE ANALYSED (D/M/Y) ANALYST REMARKS

COMPONENT	MOL % AIR FREE AS REC'D	MOL % AIR FREE ACID GAS FREE	CDN. G.P.M. AIR FREE AS REC'D
H ₂	0.03		
	0.01		
N ₂	0.62		
CO ₂	0.00		
H ₂ S	0.00		
C ₁	96.92		
C ₂	2.13		
C ₃	0.21		0.048
IC ₄	0.04		0.011
C ₄	0.03		0.008
IC ₅	0.01		0.003
C ₅	Trace		0.000
C ₆	0.00		0.000
C ₇ ⁺	0.00		0.000
TOTAL	100.00		0.070
		C ₅ ⁺	0.003

GROSS HEATING VALUE
 BTU/FT³ @ 60°F & 14.65 PSIA
 (MOISTURE & ACID GAS FREE)
 1021.6
 MEASURED CALCULATED 20.4
 DEW POINT VAPOUR PRESS. PENTANES PLUS

SPECIFIC GRAVITY
 MOISTURE FREE AS SAMPLED MOISTURE AND ACID GAS FREE
 0.570
 MEASURED CALCULATED MEASURED CALCULATED

PSEUDOCRITICAL PROPERTIES (CALCULATED)
 AS SAMPLED ACID GAS FREE
 672.3 347.9
 PSIA OR PSIA OF
 PFC PFC PFC PFC

REMARKS
 No flow to surface. No indication at surface of any hydrocarbons.



Plastic

WATER ANALYSIS

7012-41218

CONTAINER IDENTITY

LABORATORY NUMBER

Shell Canada Limited

4 of 4

66° 08' 56.00 N.L.

OPERATOR

PAGE

133° 58' 04.00 W.L.

Shell Peel River YT M-69

957'

927'

LOCATION

WELL OR SAMPLE LOCATION NAME

KID. ELEV.

GRD. ELEV.

Wildcat, Yukon Territories

Devonian

Johnston Testers

FIELD OR AREA

POOL OR ZONE

SAMPLER

DST #5

DST: 310' Muddy Water

Tool: 1490 cc Muddy Water

TEST TYPE & NO.

TEST RECOVERY

MFE Chamber #103732

@ OF

POINT OF SAMPLE

AMT. & TYPE CUSHION

MUD RESISTIVITY

PUMPING

FLOWING

GAS LIFT

SWAB

5505' - 5658'

WATER

BBLS/D.

OIL

BBLS/D.

GAS

MFC/D.

TEST INTERVALS OR PERFS.

SEPARATOR RESERVOIR

@ OF
CONTAINER
WHEN SAMPLED

@ OF
CONTAINER
WHEN RECEIVED

SEPARATOR

PRESSURES, PSIG

TEMPERATURES, °F

DATE SAMPLED (D/M/Y)

Dec. 8/74

DATE RECEIVED (D/M/Y)

Dec. 9/74

DATE ANALYSED (D/M/Y)

A.A.

ANALYST

REMARKS

ION	MG/L	MG%	MEQ/L
Na+K	17372	37.2	755.6
K			
Ca	850	1.8	42.4
Mg	0	0.0	0.0
Ba			
Sr			
Fe		TRACE	

ION	MG/L	MG%	MEQ/L
Cl	27431	58.8	773.7
Br			
I			
HCO ₃	15	0.0	0.2
SO ₄	776	1.7	16.2
CO ₃	234	0.5	7.8
OH	0	0.0	0.0
H ₂ S	NOT DETECTED		

TOTAL SOLIDS MG/L

BY EVAPORATION @ 110°C

BY EVAPORATION @ 180°C

46677

AT IGNITION

CALCULATED

1.0326 @ 60°F

SPECIFIC GRAVITY

1.3402 @ 21°C

REFRACTIVE INDEX

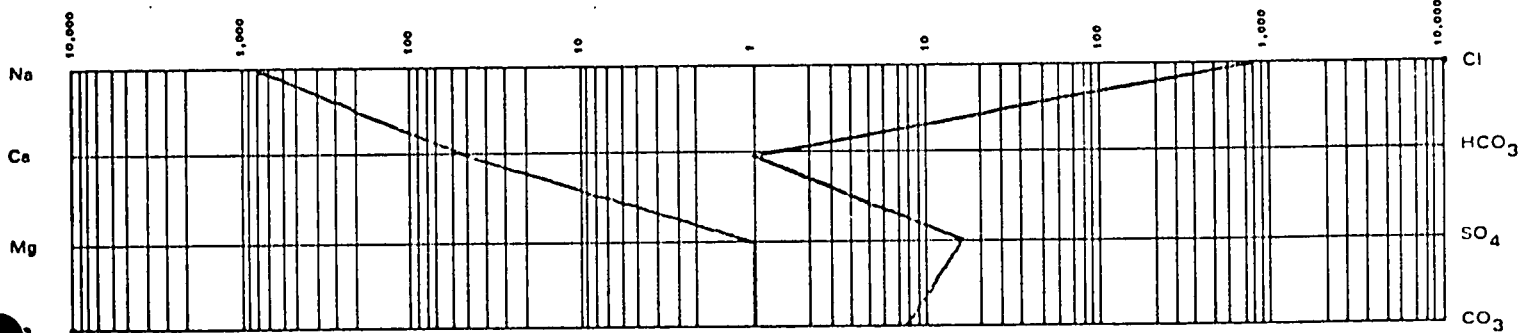
9.8

pH

0.134

@ 25°C
RESISTIVITY (OHM/METERS)

LOGARITHMIC PATTERN MEQ PER LITER



REMARKS

NaCl equiv 46297

K 12022/36



SIEVE ANALYSIS

WELL NAME AND NUMBER

SHELL PEEL RIVER M-69

Nil

K 12022/37



GEOLOGICAL DATA (TOPS)

WELL NAME AND NUMBER

SHELL PEEL RIVER M-69

ROCK STRATIGRAPHIC UNITS (Formation and members)

DEPTH					
UNIT	DRILLED	SUBSEA	THICKNESS	LITHOLOGY	COMMENTS
Spuds in Cretaceous				shales, siltstones, sandstones	
Imperial Fm.	2700 -	1743	4750'	shales and siltstones	
Canol Fm.	7450 -	6493	96'	Black shale	
Hume Fm.	7546 -	6589	429'	Limestone-shale	
Bear Rock Fm.	7975 -	7018	2025'	Limestone	

TIME-STRATIGRAPHIC UNITS (STAGE)

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CONFIDENTIAL

MATERIAL CONTAINED HEREIN TO BE TREATED AS GEOLOGICAL INFORMATION UNDER SECTION 107(15) OF THE CANADA OIL & GAS LAND REGULATIONS

K 12022/39



MICROPALAEONTOLOGY

WELL NAME AND NUMBER

SHELL PEEL RIVER M-69

INTERVAL

AGE

FAUNA & COMMENTS

No determination made.

PALEONTOLOGIST

DATE

K 12022/42



MECHANICAL LOGS

WELL NAME AND NUMBER

SHELL PEEL RIVER M-69

RUN NUMBER	DATE	TYPE	INTERVAL
Logs submitted previous to the completion of this report.			

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22/40



PALYNOLOGY

WELL NAME AND NUMBER

SHELL PEEL RIVER M-69

INTERVAL

AGE

FLORA AND COMMENTS

No determinations made.

PALYNOLOGIST

DATE

2022/41



GEOCHEMICAL SUMMARY

WELL NAME AND NUMBER

SHELL PEEL RIVER M-69

ORGANIC RICH INTERVAL

COMMENTS

No determinations made at the time this report was prepared.

LEVEL OF ORGANIC MATURITY - COMMENTS

K 12022/43

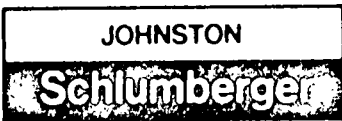


OTHER ANALYSIS

WELL NAME AND NUMBER

SHELL PEEL RIVER M-69

See following pages



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 321 - 50th AVENUE S.E. CALGARY, ALBERTA T2G 2B3

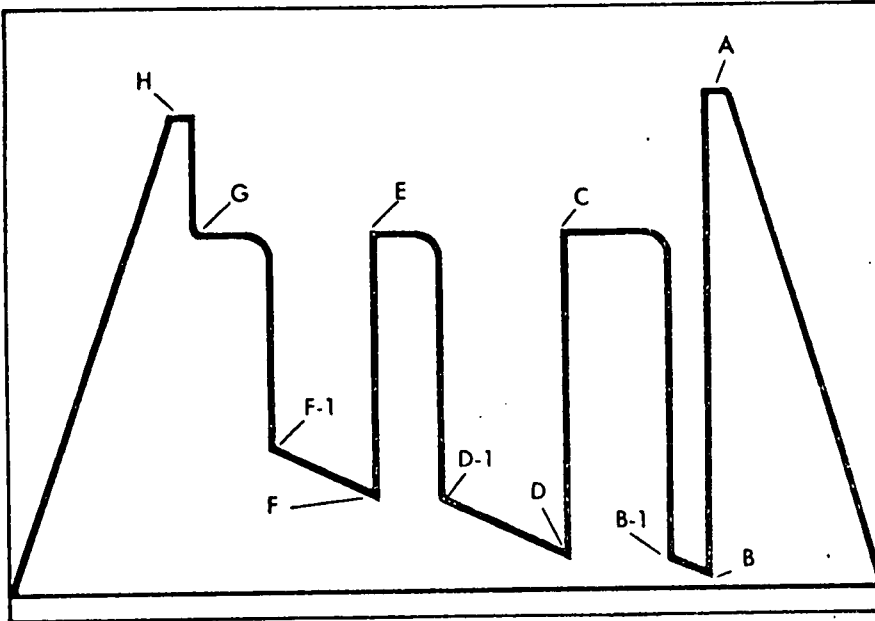
GUIDE TO IDENTIFICATION OF DRILL STEM TEST PRESSURE CHARTS

FIELD REPORT NO.

D08817

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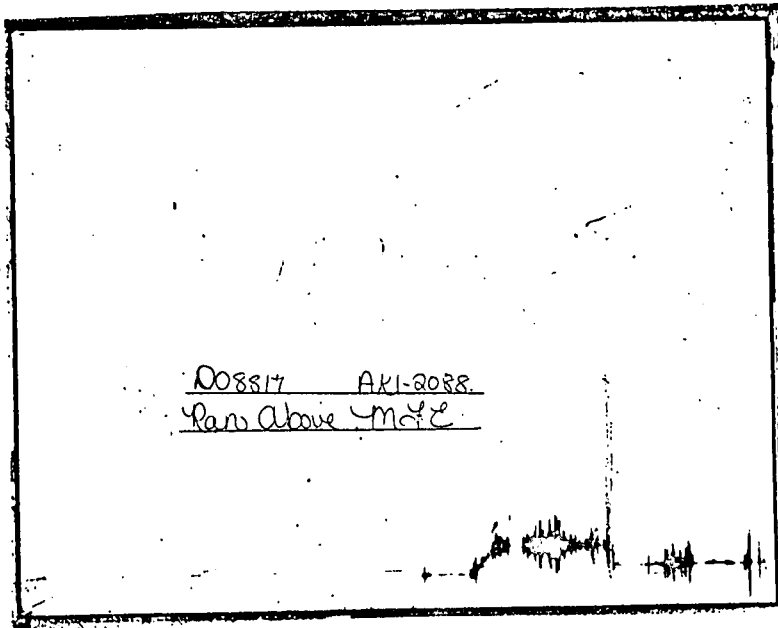
AK1-2088

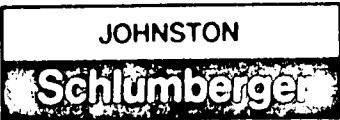


- A. Initial Hyd. Mud
- B. First Flow
- C. Initial Shut-In
- D. Second Flow
- E. Second Shut-In
- F. Third Flow
- G. Final Shut-In
- H. Final Hyd. Mud

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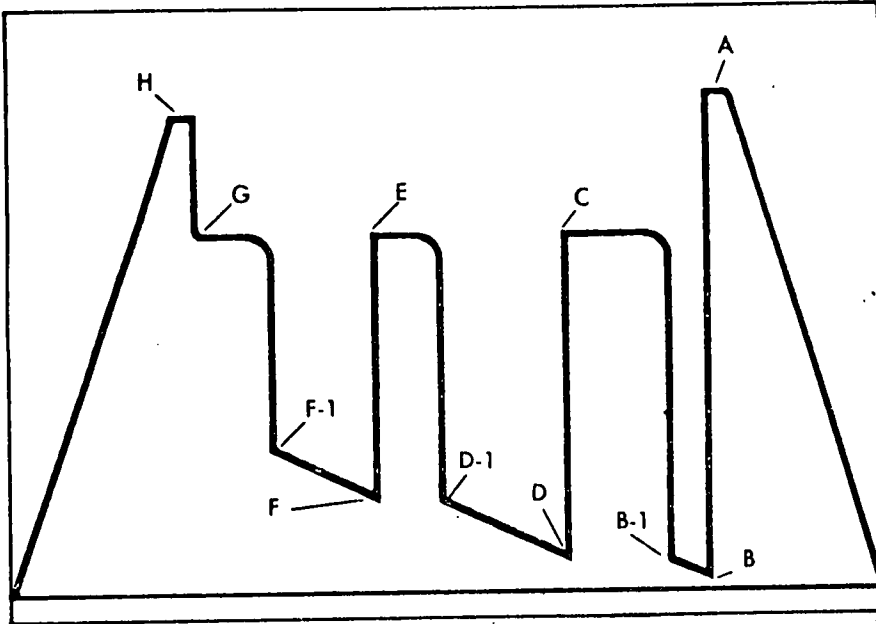
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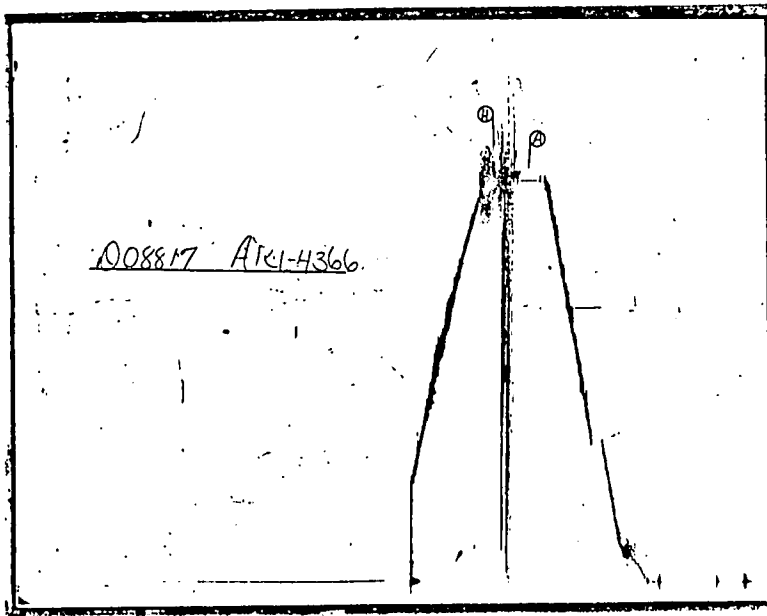
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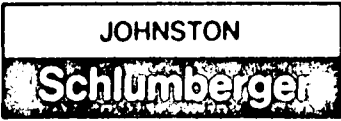


- A. Initial Hyd. Mud
- B. First Flow
- C. Initial Shut-In
- D. Second Flow
- E. Second Shut-In
- F. Third Flow
- G. Final Shut-In
- H. Final Hyd. Mud

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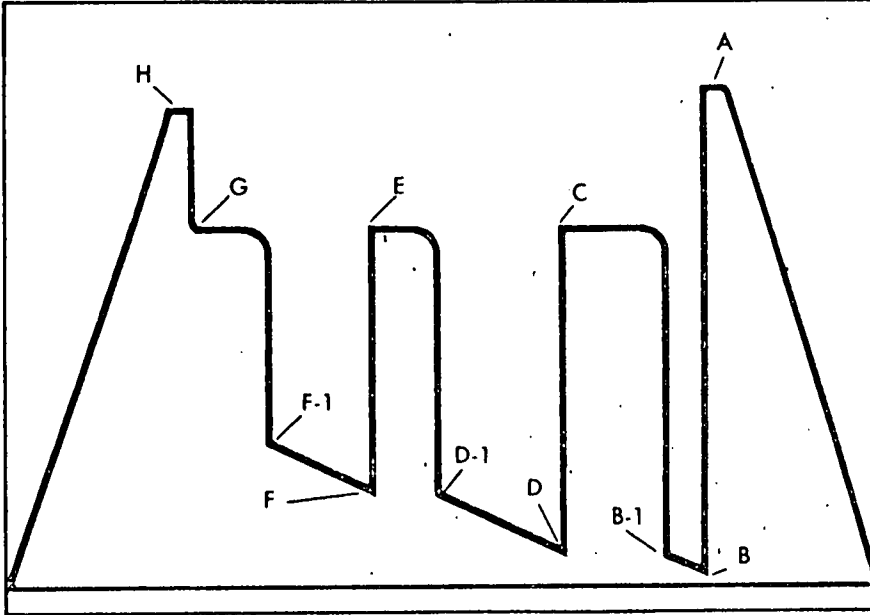
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FIELD REPORT NO.

RECORDER NO.

D08818

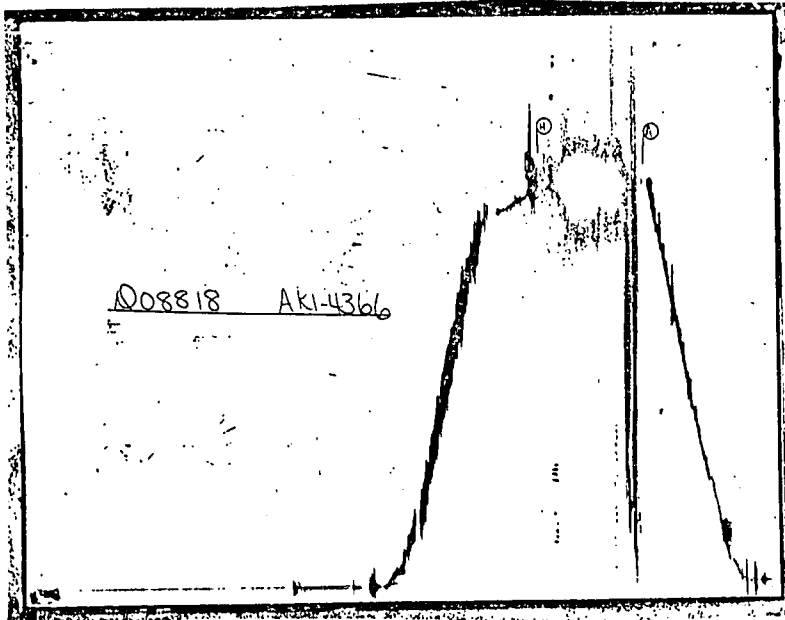
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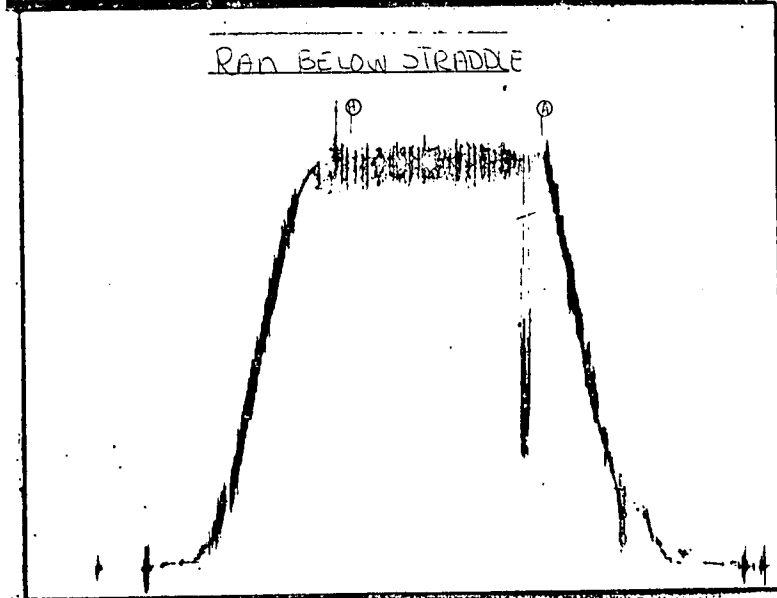
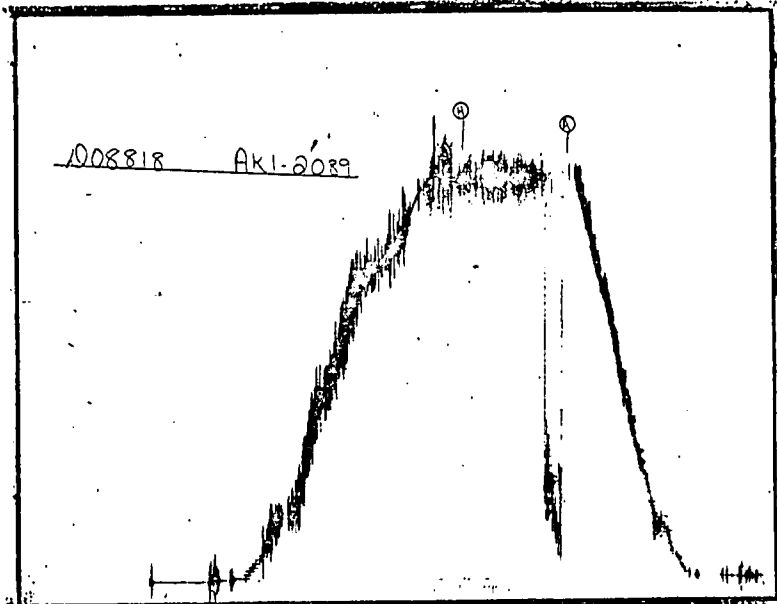


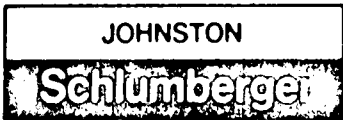
- A. Initial Hyd. Mud
- B. First Flow
- C. Initial Shut-In
- D. Second Flow
- E. Second Shut-In
- F. Third Flow
- G. Final Shut-In
- H. Final Hyd. Mud

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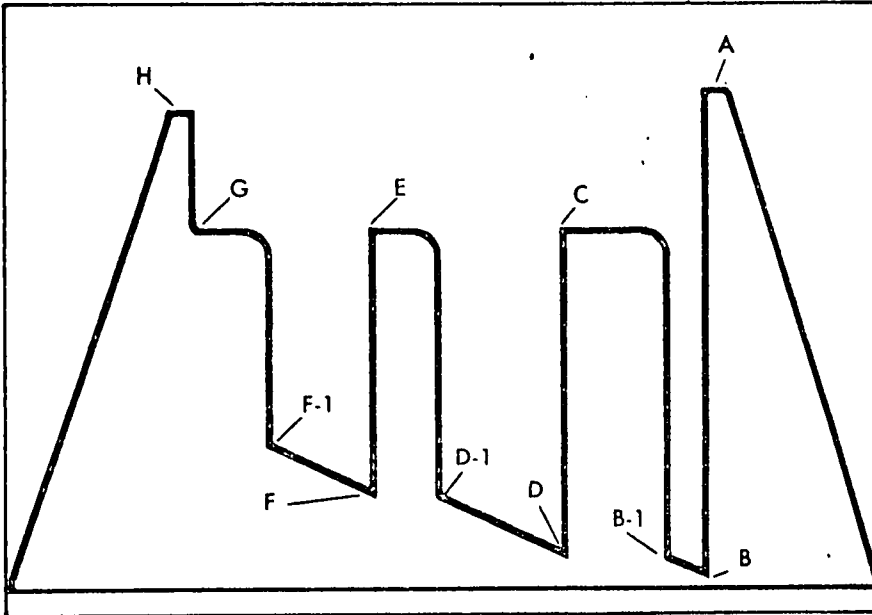
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RECORDER NO.

D08819

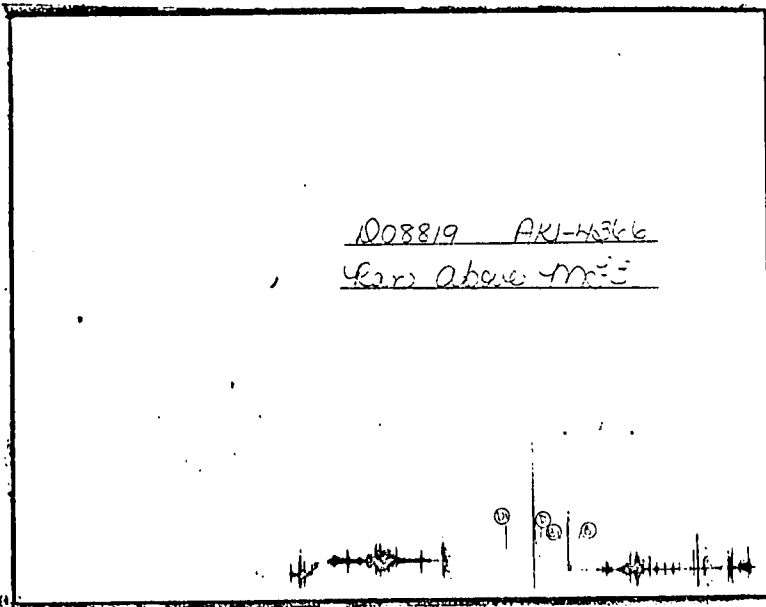
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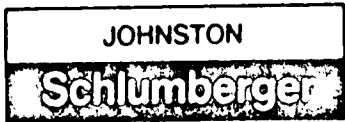


- A. Initial Hyd. Mud
- B. First Flow
- C. Initial Shut-In
- D. Second Flow
- E. Second Shut-In
- F. Third Flow
- G. Final Shut-In
- H. Final Hyd. Mud

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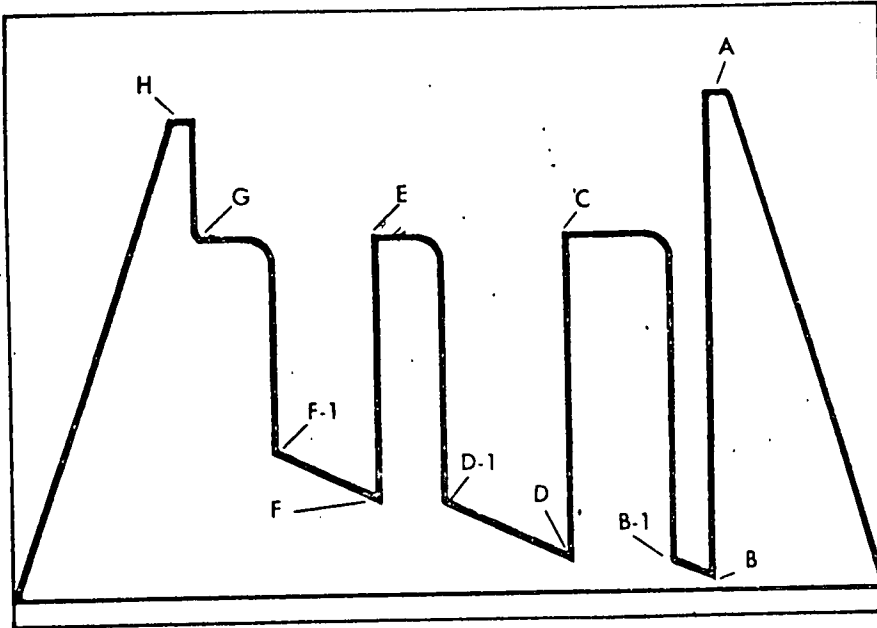
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RECORDER NO.

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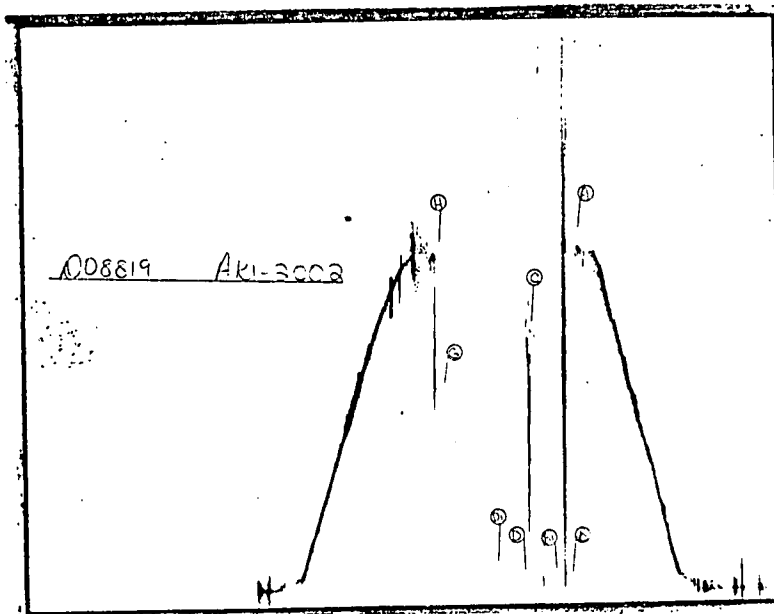
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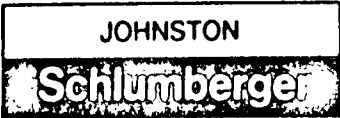


- A. Initial Hyd. Mud
- B. First Flow
- C. Initial Shut-In
- D. Second Flow
- E. Second Shut-In
- F. Third Flow
- G. Final Shut-In
- H. Final Hyd. Mud

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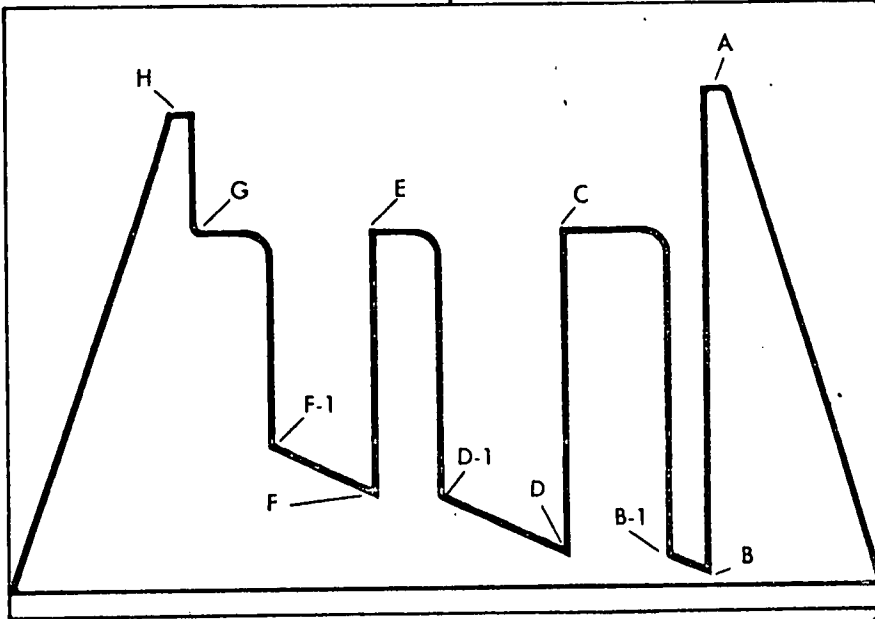
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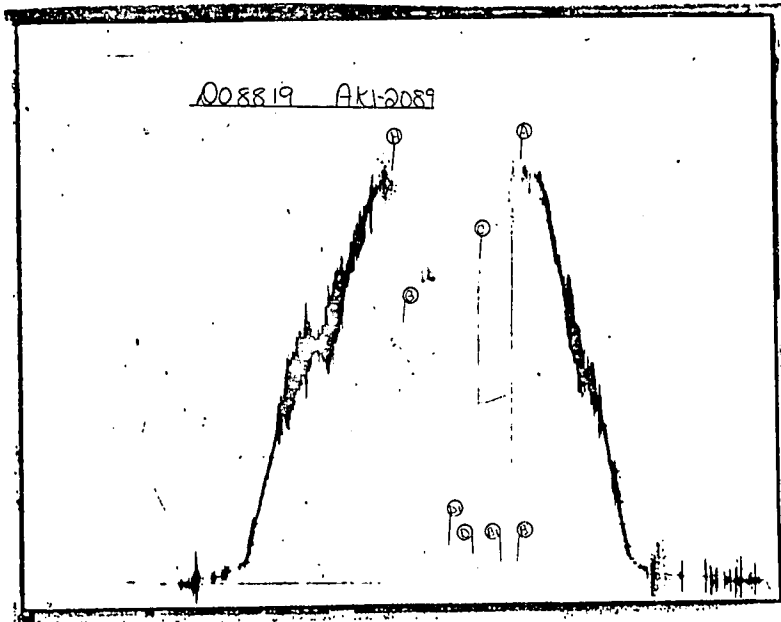
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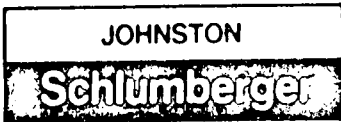


- A. Initial Hyd. Mud
- B. First Flow
- C. Initial Shut-In
- D. Second Flow
- E. Second Shut-In
- F. Third Flow
- G. Final Shut-In
- H. Final Hyd. Mud

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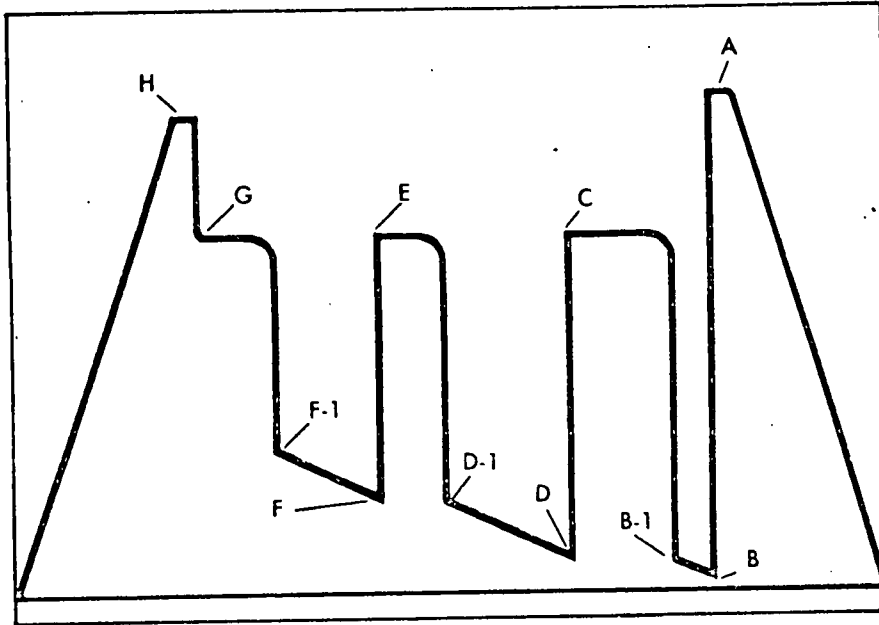
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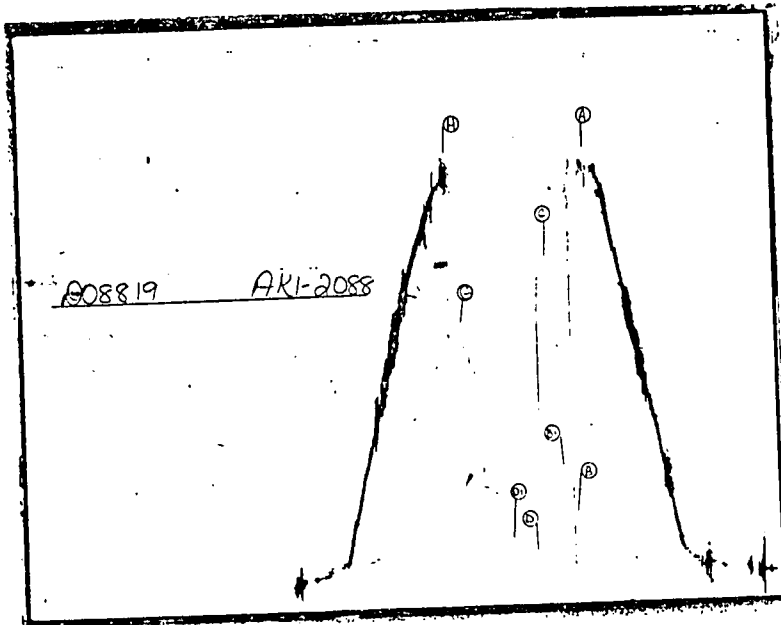
AK1-2088



- A. Initial Hyd. Mud
- B. First Flow
- C. Initial Shut-In
- D. Second Flow
- E. Second Shut-In
- F. Third Flow
- G. Final Shut-In
- H. Final Hyd. Mud

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321 - 50th AVENUE S.E. CALGARY, ALBERTA T2G 2B3



TEST DATA

Type of Test	Open hole, Bottom hole.
Time Started in Hole	1400 Hrs.
First Flow	3 Min.
Second Flow	90 Min.
Third Flow	Min.
Pulled Loose @	2255 Hrs.
Wt. Set/on Packers	30,000 #
Description of Blow During Test	Strong air blow on preflow and initial flow period.

Tool Opened	1850 Hrs.
Initial Shut-In	90 Min.
Second Shut In	Min.
Final Shut In	120 Min.
Out of Hole	0130 Hrs.
Pulled Loose Wt.	15,000 #

FLUID RECOVERY	Was Test Reverse Circulated	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
Total Fluid Recovered.	310	Ft.	
Description of Fluid Recovered	310' Salt cut, gas cut drilling fluid.		

GAS BLOW MEASUREMENT

Measured With	I.D. Riser		
Time	Sfca. Choke	M Cubic Feet/Day	
		T.S.T.M.	

TOOL SEQUENCE

Tool	Length	O.D.
P.O. Sub	1.00	
Sub	.85	
Recorder	4.40	
MFE Tool	9.10	
Bypass Tool	3.00	
Jars	7.42	
Recorder	4.50	
Safety Joint	1.75	
S.S. & Packer	9.15	7 3/4"
T.C. & Packer	5.30	7 3/4"
Total	46.47	
Packer Stub	1.00	
Perfs	15.00	
Recorder	4.50	
Recorder	4.50	
Sub	.90	
Drill Collars	160.88	
Bull Nose	.50	
Total Interval	187.28	

TOTAL LENGTH	
Elevation G.L.	927 K.B. 957
Bottom Hole Choke Size.	1/2"
Fluid Cushion Type	Nil Amt.

MUD AND HOLE DATA

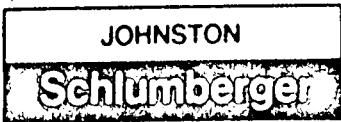
Mud Type	Ke1	W.L10.4
Filter Cake	2/32	Visc. 52 Wt. 9.0
Time Taken	November 29, 1974	
Contractor	Adeco Drilling	Rig No. 10
Drill Pipe Size	4 1/2" X0	
Drill Collar Size	2 1/2" ID &	
Drill Collar Length	390' &	
Main Hole Size	8 3/4" Rat Hole	

RESISTIVITY

SALT CONTENT

Recovery Water	@	°F.	14,500	ppm.
Mud Pit sample filtrate	@	°F.	13,500	ppm.

District	Inuvik	Ticket No.	D08820	Date	November 29, 1974	Test No.	4	J.T. No.	4
Company	Shell Canada Limited			Address	639 - 5 Avenue S.W.				
Well Name	Shell Peel River YT M-69				Calgary, Alberta T2P 2K3				
Number	66°08'56.00, 133°58'04.00			Field	Peel River	Province	N.W.T.		
Formation		Thickness		Co. Rep.	D. Brown				
Interval	5718 - 5905'		T.D.	5905' Technician M. Matson					
Distribution of Reports	9 - Calgary			Attention:	D. Weiss				



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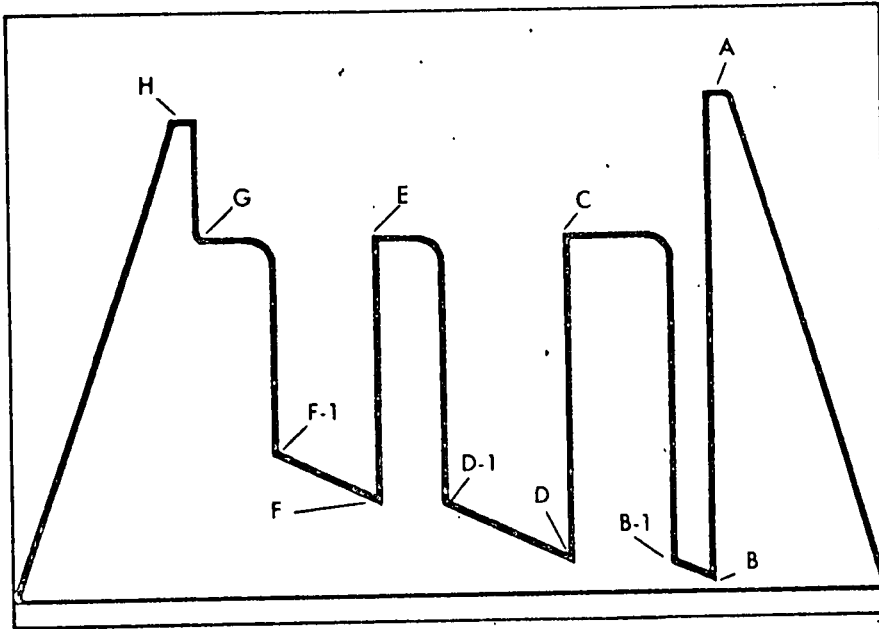
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FIELD REPORT NO.

D08820

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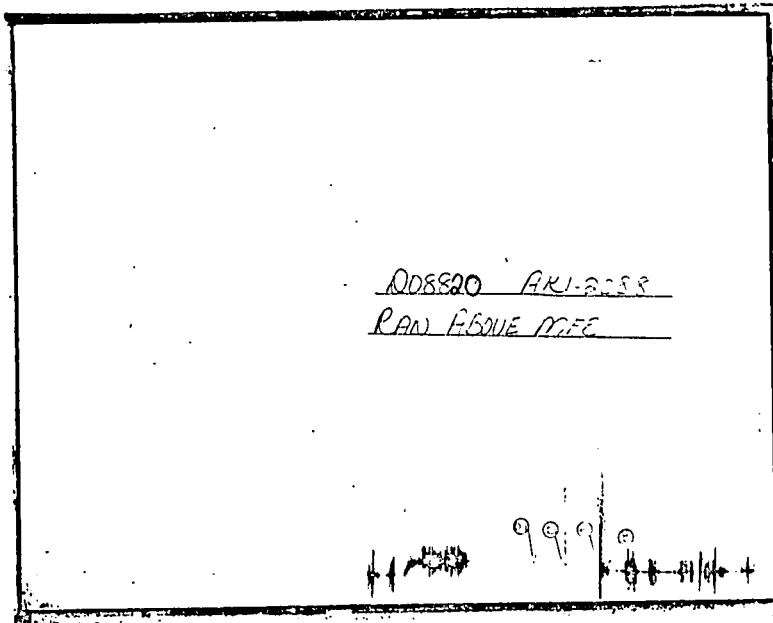
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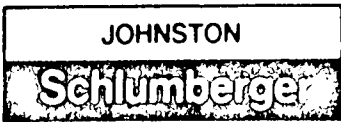


- A. Initial Hyd. Mud
- B. First Flow
- C. Initial Shut-In
- D. Second Flow
- E. Second Shut-In
- F. Third Flow
- G. Final Shut-In
- H. Final Hyd. Mud

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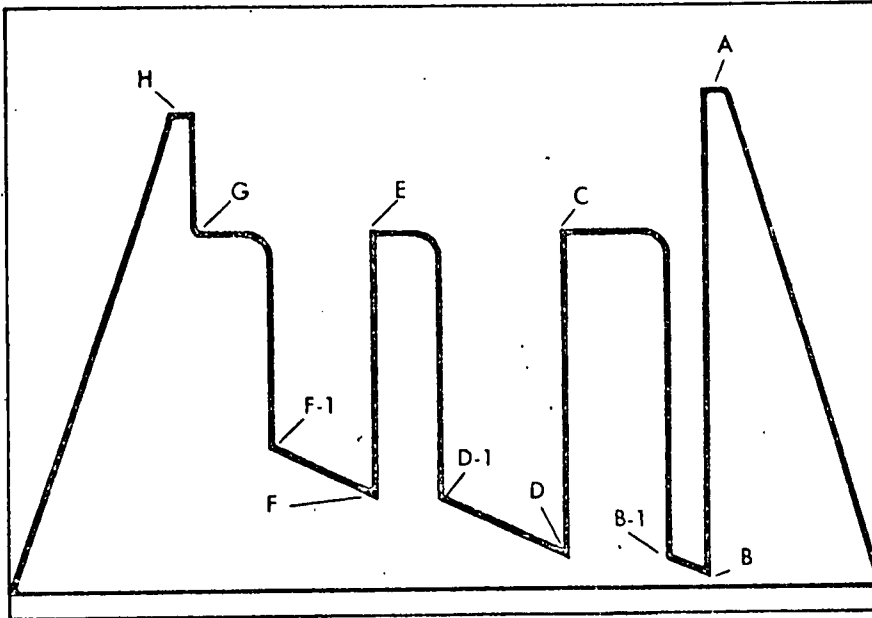
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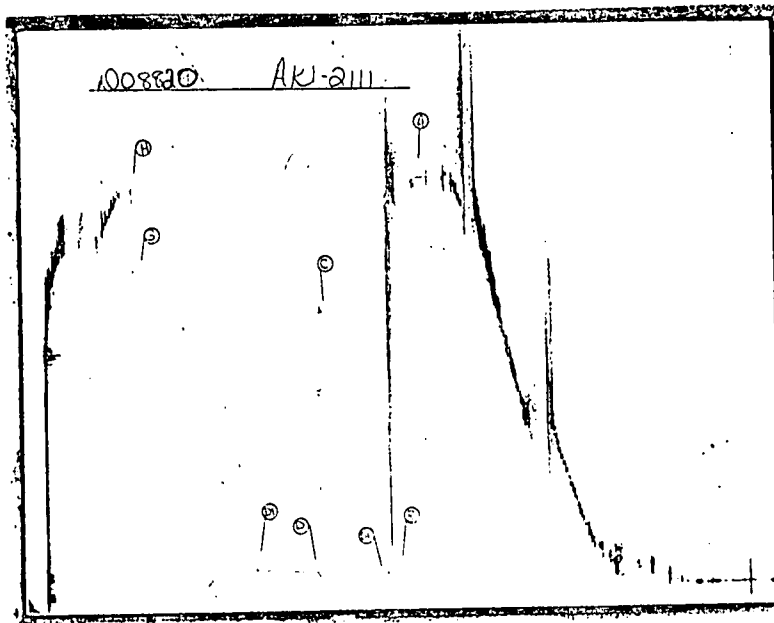
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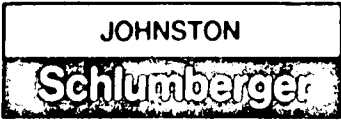


- A. Initial Hyd. Mud
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- C. Initial Shut-In
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- F. Third Flow
- G. Final Shut-In
- H. Final Hyd. Mud

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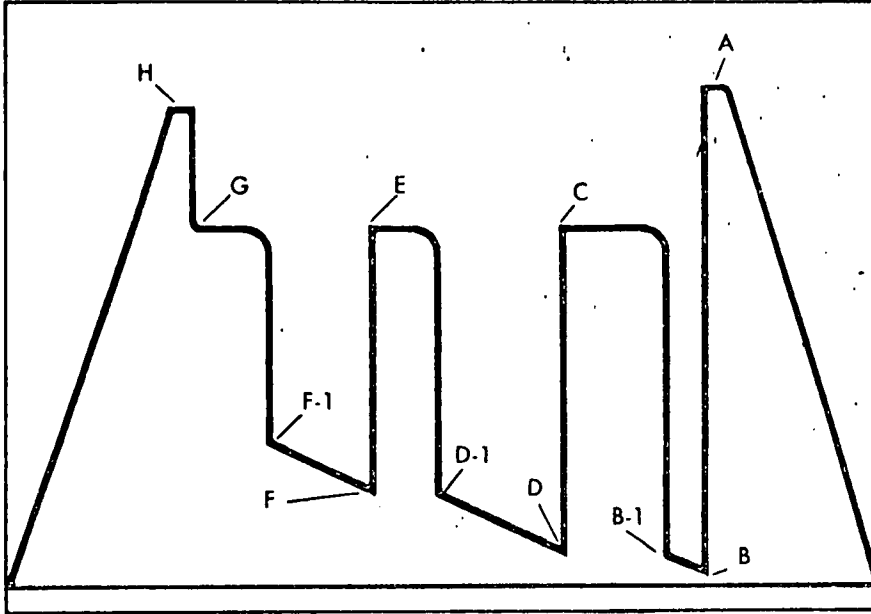
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D08820

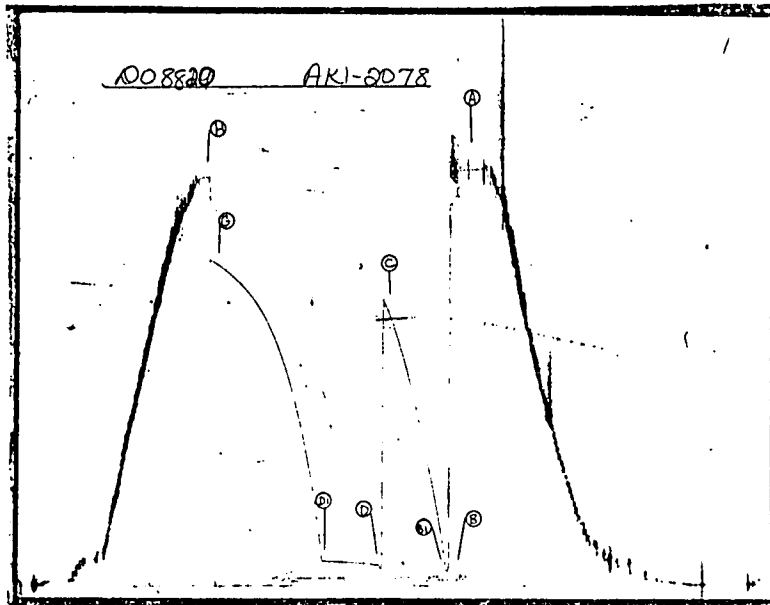
AK1-2078



- A. Initial Hyd. Mud
- B. First Flow
- C. Initial Shut-In
- D. Second Flow
- E. Second Shut-In
- F. Third Flow
- G. Final Shut-In
- H. Final Hyd. Mud

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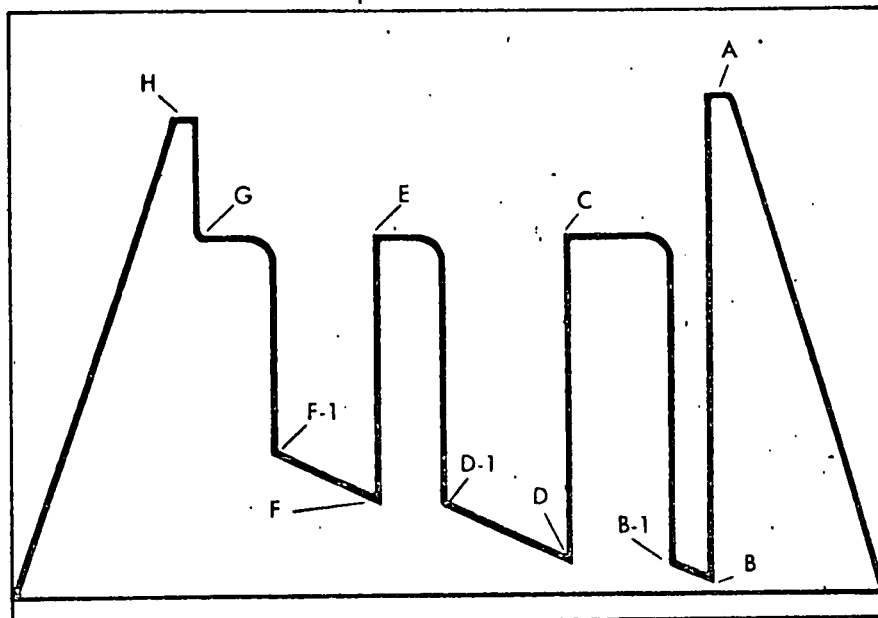
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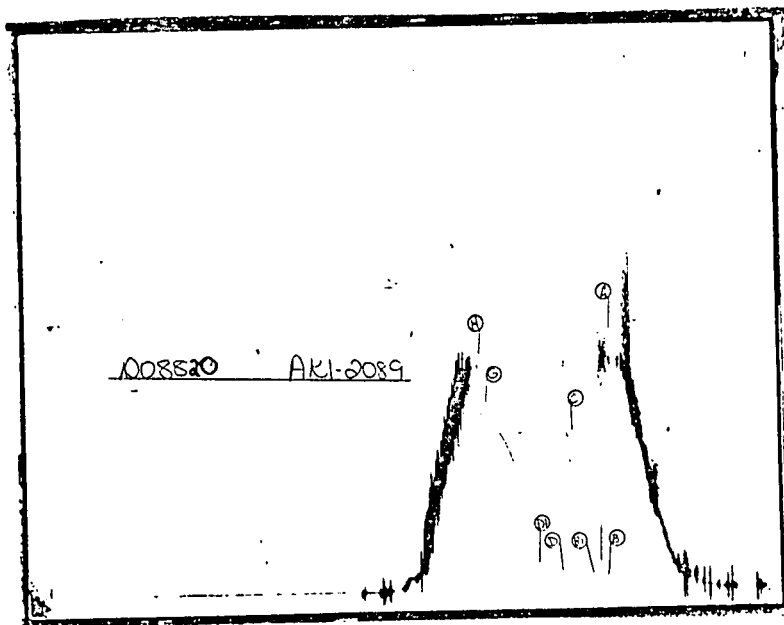
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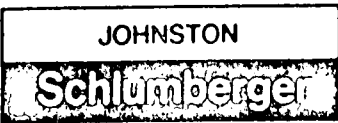


- A. Initial Hyd. Mud
- B. First Flow
- C. Initial Shut-In
- D. Second Flow
- E. Second Shut-In
- F. Third Flow
- G. Final Shut-In
- H. Final Hyd. Mud

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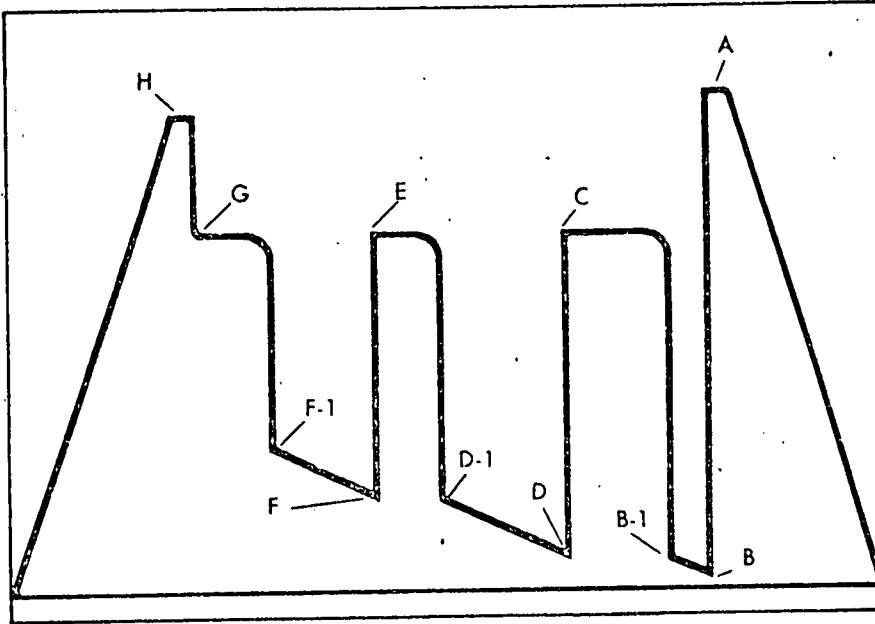
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FIELD REPORT NO.

RECORDER NO.

D08821

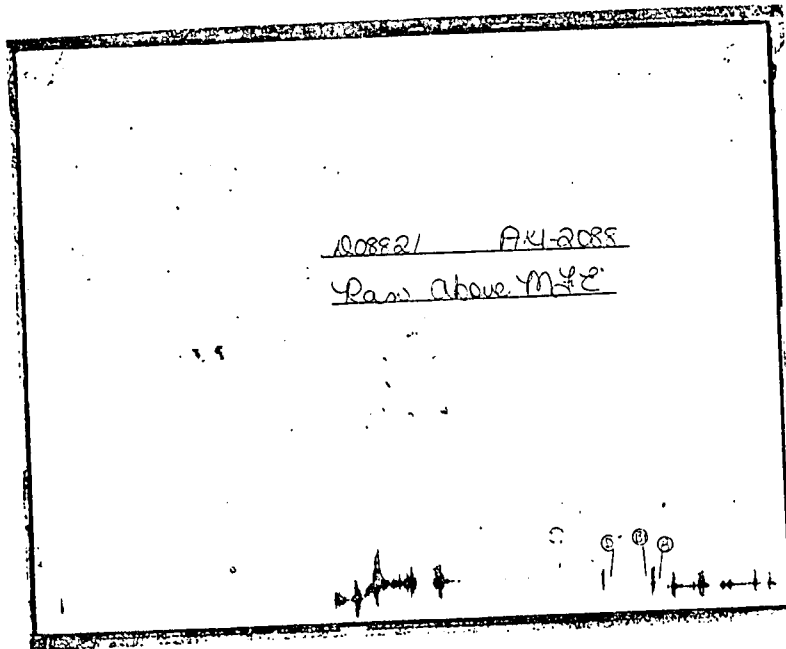
AK1-2088



- A. Initial Hyd. Mud
- B. First Flow
- C. Initial Shut-In
- D. Second Flow
- E. Second Shut-In
- F. Third Flow
- G. Final Shut-In
- H. Final Hyd. Mud

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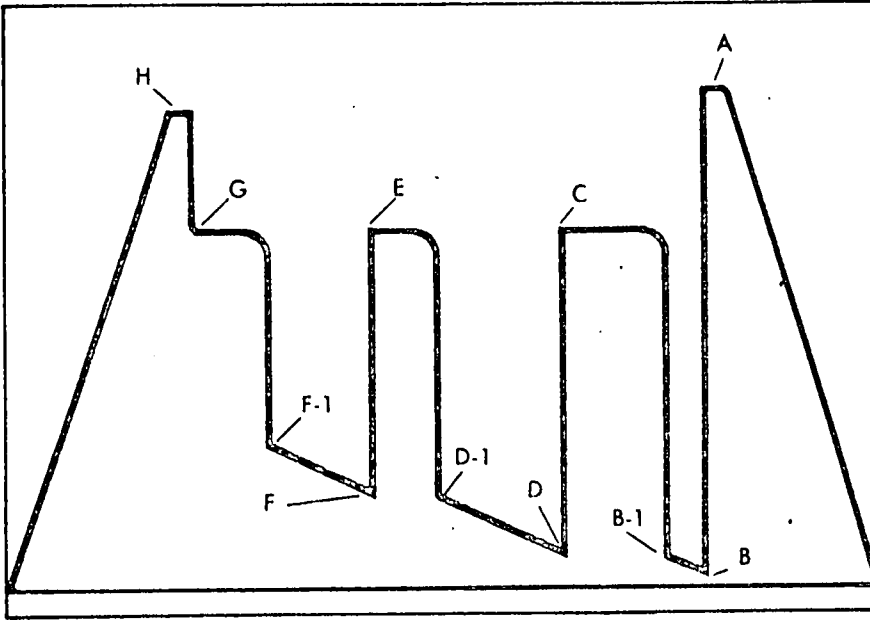
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D08821

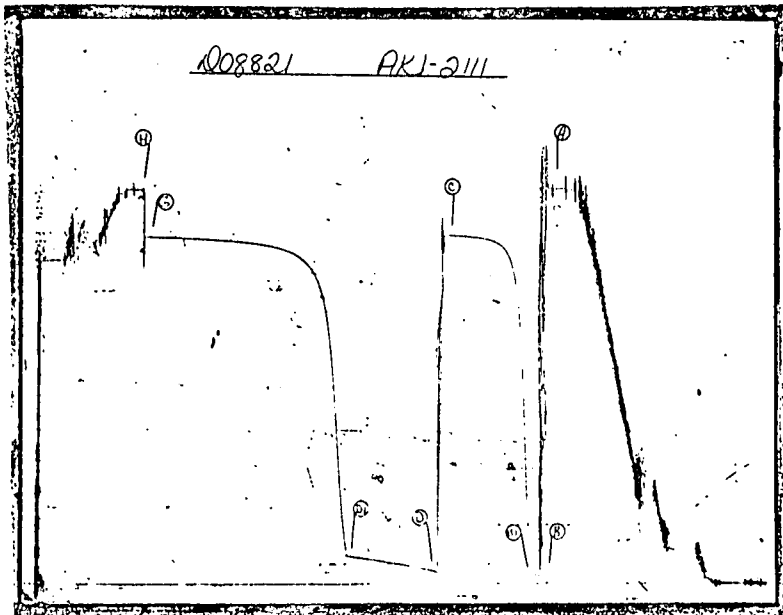
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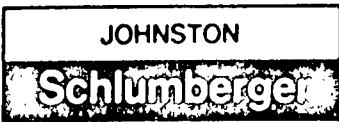


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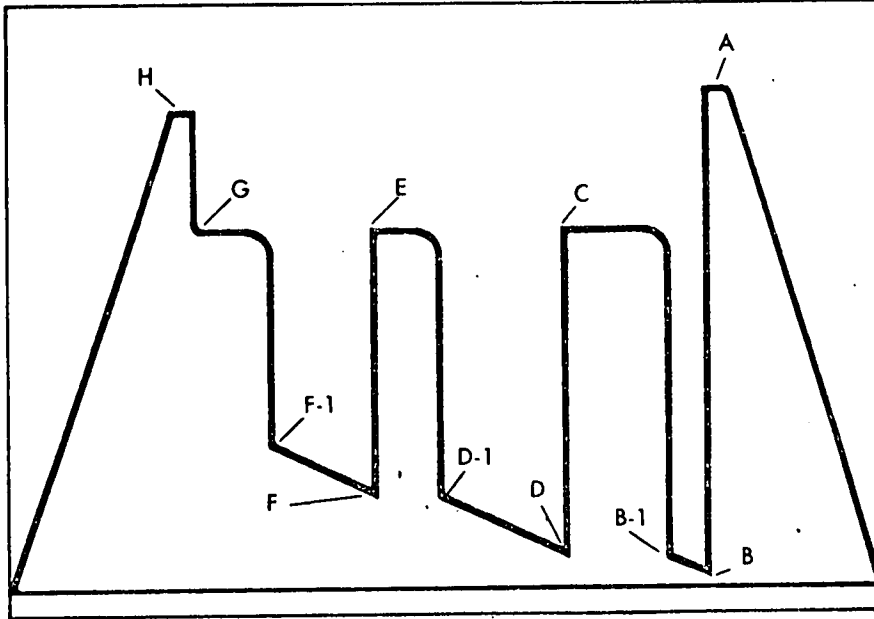
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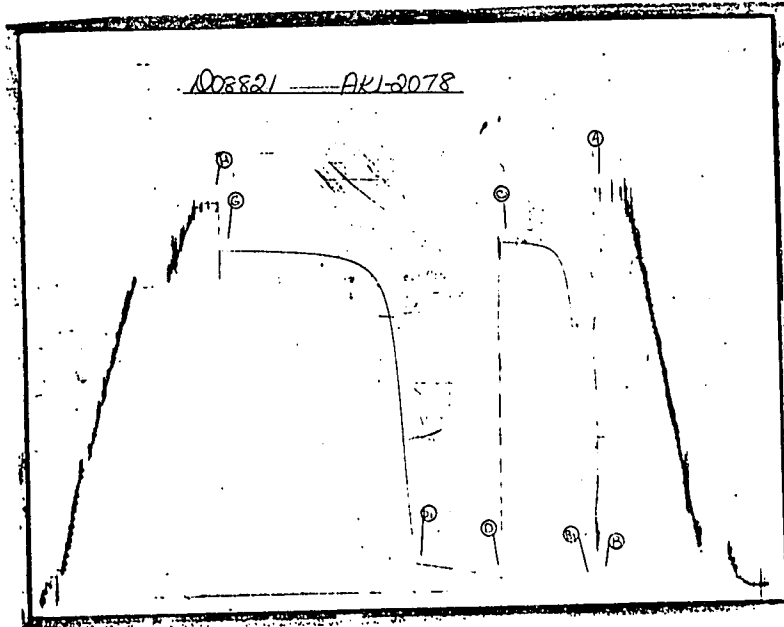
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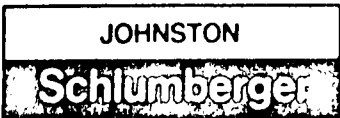


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- H. Final Hyd. Mud

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A DIVISION OF SCHLUMBERGER CANADA LIMITED
 321 - 50th AVENUE S.E. CALGARY, ALBERTA T2G 2B3

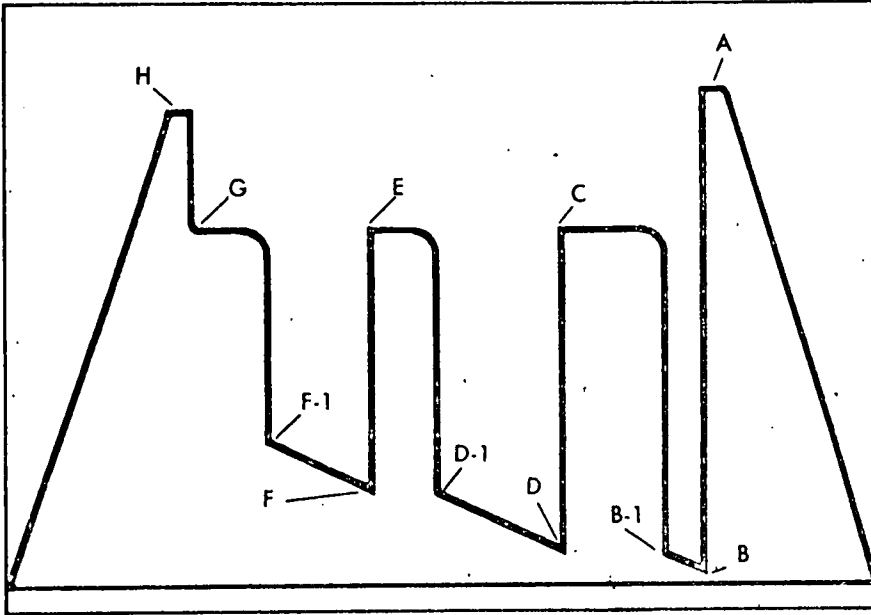
GUIDE TO IDENTIFICATION OF DRILL STEM TEST PRESSURE CHARTS

FIELD REPORT NO.

RECORDER NO.

D08821

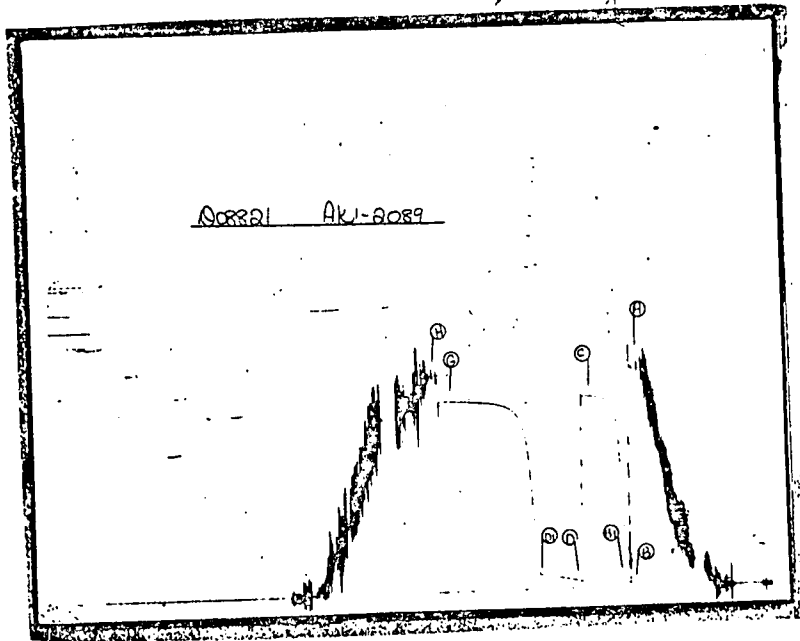
AK1-2089



- A. Initial Hyd. Mud
- B. First Flow
- C. Initial Shut-In
- D. Second Flow
- E. Second Shut-In
- F. Third Flow
- G. Final Shut-In
- H. Final Hyd. Mud

The following points are either fluctuating pressures or points indicating other packer settings (testing different zones).

- A-1, A-2, A-3, etc. Initial Hyd. Pressures
- Z — Special pressure points such as pumping pressures recorded for formation breakdown.



DRILLING RECORDS

A DIVISION OF OILEX INDUSTRIES LTD.

MUD AND CHEMICALS USED				CASING			
Gel	443	Sxs.		SIZE	FEET	SAX	RUN W.O.C.
Caustic	87	Sxs.		20"	89	175	Prior to spud.
Potash	93000	Lbs.		9 3/8"	1270	900	15 110 1/2
Plus	51	Sxs.		* 1st. cmt. 500 Sxs. - drilled out.			
Soda Ash	24	Sxs.		ABANDONMENT			
Barite	650	Sxs.		6 PLUGS WITH 755 SACKS			
Calcium Cl.	27	Sxs.		MUD & CHEMICALS USED - Cont.			
Staflo	5200	Lbs.		Gypsum	850	Lbs.	
FLR-100	2500	Lbs.		Plaster	590	Lbs.	
Diesel	21	Bbls.		Santo Site	100	Lbs.	
Pot. Iodide	305	Lbs.		Sawdust	20	Sxs.	
Sodium							
Sulphite	2210	Lbs.					
Polymer	4043	Lbs.					
Defoamer	1	Can.					

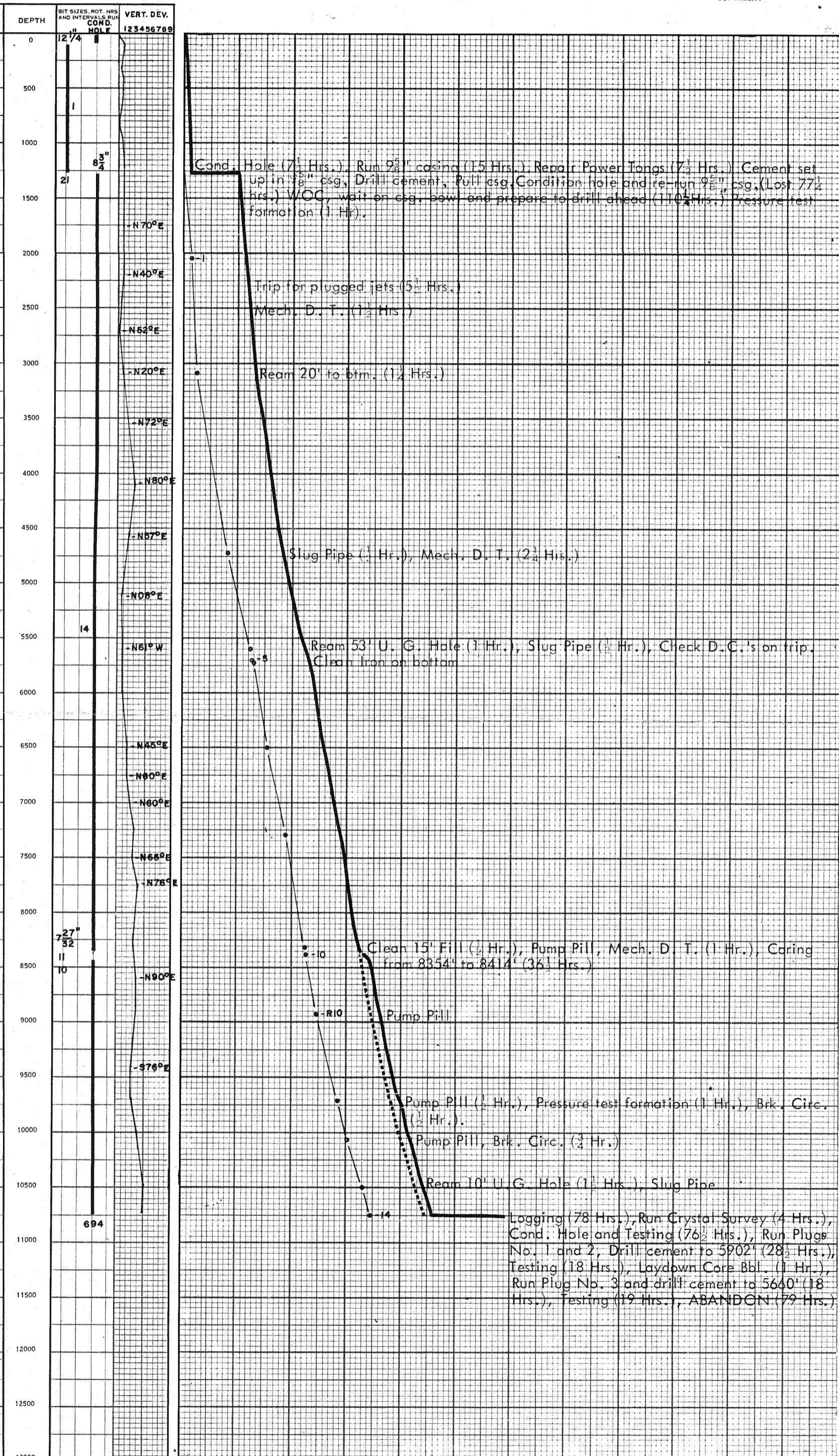
TIME ANALYSIS			
CONTRACT DAYS	29.78	TESTING	4.73
ROTATING	3.34	CORING	1.56
TRIPS	0.51	LOGGING	3.25
MECH. DOWN TIME	0.63	LOST CIRCULATION	
RUNNING CASING	4.59	COMPL. OR ABAND.	5.23
W.O.C.		MISC.	
STUCK OR FISHING		Run Crystal Survey	0.17
RIG SERVICE, ETC.	1.40		
CONDITION HOLE MUD	0.43		
Ream and Clean	0.18		
Drill cement in csg.			
Pull csg., cond.			
hole & re-run csg.	3.22		
Trip Plugged bit	0.23		
Pressure test Form.	0.08		
TOTAL	44.39	TOTAL	14.94
		TOTAL DAYS ON WELL	59.33

WELL NAME SHELL PEEL RIVER YT M-69				66°08'56"N 133°58'04"W			
CONTRACTOR	Adeco	RIG NO.	10	DATE SPUNDED	Oct. 6/74	DATE RELEASED	Dec. 4/74
		ROTATING HOURS	10,737 FT.				693 1/2 I.D.
EQUIPMENT				MUD SERVICE COMPANY Stock-Piled			
DWKS. MODEL	Heli-Hoist 2000 H.P.	TYPE OF DRILLING FLUID	KCL-Bentonite		89 FT. TO	1268 FT.	
PUMP HT400	6 x 8 H.P.		Water		1268 FT. TO	1500 FT.	
PUMP HT400	6 x 8 H.P.		KCL-Polymer		1500 FT. TO	10737 FT.	
DRILL PIPE SIZE	4 3/8"	T.J. XH					
Pump HT400	6 x 8						
ADDITIONAL INFORMATION Cement set up in 9 3/8" csg, Drill cement, Pull csg, Condition hole and re-run 9 3/8" csg, (Lost 7 1/2 hrs.) Maximum deviation 5 1/2" at 10450'.							
TOTAL TIME		CONTRACT TIME		ROTATING TIME			

Continued on next page
TAKEN FROM FOUR REPORTS

MUD PROPERTIES										MUD & CHEMICALS USED - Cont.										
VIS.	WT.	WL.	P.H.	P.P.	GPM	HYD. H.P. (100% WT.)	ANNULAR VELOCITY	DRILL COLLARS	BIT WT. (MT)	R.P.M.	FEET/SEAL INTERVAL	FORMATION TOPS	CUM. HR.	CUM. BIT	CUM. CONT. DAY	DEPTH	HT. READ NOT USED AND INTERVALS RUN COND.	VERT. DEV.	COND.	
32	8.4		10.0	300			HOLE SIZE 8 1/2"		15	90							0	12 1/4"	123456789	
35	8.7		10.5	300			8 3/4"		30	140							500			
40	9.0		10.0	700					4	12	1	30	140				1000			FORMATION
40	9.0		10.0	700					4	12	1	30	140				1500			
35	8.5			1500	346	303	150	18	1	12	55						2000			
37	9.2	14.4	11.5	1500	346	303	150	18	1	20	60						2500			
37	9.2	13.2	11.5	1500	316	277	137	18	1	35	70						3000			
36	9.1	13.4	11.0	2000	316	369	137	20	1	35	70						3500			
50	9.3	14.4	10.5	2100	321	393	139	20	1	40	75						4000			TOPS
44	9.2	10.2	10.5	2100	321	393	139	20	1	40	75						4500			
65	9.3	9.6	9.0	2100	286	350	124	20	1	42	70						5000			
80	9.3	12.0	9.0	1500	286	250	124	20	1	40	50						5500			
85	9.3	11.3	9.0	1500	286	250	124	20	1	40	50						6000			
46	9.2	12.6	10.5	1400	286	234	124	20	1	35	50						6500			
60	9.3	14.4	10.0	1400	286	234	124	20	1	40	50						7000			
80	9.3	10.4	10.5	1400	286	234	124	20	1	35	50						7500			
67	9.3	10.4	10.5	1900	286	317	124	20	1	35	50						8000			
60	9.2	11.8	9.5	1400	286	234	124	20	1	35	50						8500			
45	9.1	12.9	11.5	1200	286	200	124	20	1	35	50						9000			NOT
43	9.0	10.4	10.0	1300	286	217	124	20	1	40	50						9500			
40	8.8	11.4	10.0	1350	306	241	133	20	1	40	50						10000			
44	8.9	12.4	10.5	1900	306	339	133	20	1	45	50						10500			
45	9.2	14.2	10.5	2100	286	350	124	20	1	35	50						11000			
49	9.3	14.0	10.0	2100	286	350	124	20	1	40	50						11500			
49	9.4	11.4	9.5	2100	286	350	124	20	1	40	50						12000			
51	9.6	13.0	10.0	2100	286	350	124	20	1	35	50						12500			
43	9.4	11.5	10.5	2100	286	350	124	20	1	35	50						13000			
43	9.3	12.5	10.0	2100	286	350	124	20	1	35	50						13500			
48	9.3	13.2	9.5	2100	286	350	124	20	1	35	50						14000			
48	9.4	14.0	10.0	2100	286	350	124	20	1	35	50						14500			
45	9.1	11.0	10.0	2100	286	350	124	20	1	35	50						15000			
43	9.2	11.9	10.0	2100	286	350	124	20	1	35	50						15500			
52	9.2	12.1	9.5	1150	294	197	127	20	1	10	75						16000			
42	9.0	14.1	11.0	2100	286	350	124	20	1	35	50						16500			
44	9.0	11.9	10.5	2100	286	350	124	20	1	35	50						17000			
45	9.0	10.5	9.5	2100	286	350	124	20	1	35	50						17500			
45	8.9	11.2	10.5	2100	286	350	124	20	1	35	50						18000			
44	9.0	9.8	9.5	2150	286	359	124	20	1	35	46						18500			
40	9.0	11.5	10.5	2150	286	359	124	20	1	35	55						19000			
41	9.1	10.5	9.5	2200	286	367	124	20	1	35	45						19500			
46	9.1	11.6	10.5	2300	269	361	117	20	1	35	45						20000			
40	9.1		10.0	2100	286	350	124	20	1	35	45						20500			AVAILABLE

* - Mone Drill Collar



No.	Size	Type	Depth	Foot-age	Hrs.	Cum. Hrs.	Bit Cond.
20" CONDUCTOR PIPE SET TO 89' K.B. PRIOR TO SPUD							
1A	12 1/4"	SDS	1268	1179	21 1/4		
RUN 9 3/8" CASING							
* RR1A	8 3/4"	S33S				Drill Cement to 1075' and Pull Casing	
	12 1/4"	SDS	1270	2			
RE-RUN 9 5/8" CASING							
1	8 3/4"	S33S	2045	775	28		6-1-1
2	"	"	3077	1032	26 1/2	54 1/2	8-2-3
3	"	J55	4708	1631	108 3/4	163 1/2	6-2-0
4	"	FP62	5582	874	85 1/2	248 3/4	8-8-2
5	"	J44	5683	101	9 1/2	258	8-2-0
6	"	H88	5717	34	8 1/4	266 1/4	1-1-0
7	"	J44	6495	778	51	317 1/4	5-2-0
8	"	F3	7272	777	62 3/4	380	1-1-0
9	"	F2	8282	1010	71	451	2-1-0
10	"	"	8354	72	7	458	1-1-0
* RR10	7 7/8"	7 7/8" CORE BIT	8414	(60)	(9 1/2)		
	8 3/4"	F2	8905	R 60	R 3 1/2		
11	"	J44	9697	792	79 3/4	496 1/2	6-1-1
12	"	F3	10048	351	36	576 1/2	3-2-0
13	"	J55	10472	424	50 1/2	612 1/2	9-2-0
14	"	M88	10730	258	30 3/4	662 3/4	9-3-2
* * * * *						693 1/2	1-2-0
DEPTH CORRECTED TO 10737 FT.							
* * * * *							
* * * * *							
* * * * *							
* * * * *							

ABANDONMENT RECORD			
1.	100 Sxs.	10737' to 10537'	
2.	125 Sxs.	6150' to 5950' Tag at 5880', Drill to 5902'	
3.	100 Sxs.	5902' to 5650' Tag at 5640', Drill to 5660'	
4.	200 Sxs.	5660' to 5300' Tag at 5315'	
5.	100 Sxs.	3300' to 3130' Tag at 3042'	
6.	125 Sxs.	1350' to 1150' Tag at 1137'	
*	5 Sxs.	On Surface.	

0 100 200 300 400 500 600 700 800 900 1000 1100 1200 1300 1400 1500 1600 1700 1800 1900 2000 2200 2400
DAYS FROM SPUD
CUMULATIVE ROTATING HOURS (each small square equals 20 hours)