

SHELL H.B. GRUMBLER G-63

Drilling Authority No. 344
Date Issued 2 January 1969

WELL NO. 344
FIELD Shale Hill Driveway 2-63
LOCATION: Unit 5- Area: 5-
Latitude 85-12-27.76 Longitude 115-57-10.75
From Established Reference Marker NE 1/4-131-10-5

S.A.L.R. 80.20799 -- 115.95301
U.W.I. 80076 36020115450

Rig Release Date:
Status
Information Release Date

CHANGE OF NAME:

DATE RECEIVED	INDEX
3/1/69	Application for a Drilling Authority. Well Completion Data. Well History Report.
	Application to Amend a Drilling Authority.
	Application to change a Well Name.
2+1/3/69	Application to Abandon a Well or Suspend Drilling.
	Application to Alter Condition of a Well.
2/4/69	Well History Supplement. Well Completion Data. Work-over Report No.
	Application to Commingle Production before Measurement.
	Data for Back Pressure Test on Natural Gas Wells — Monograph 7 Method.
	Data for Back Pressure Test on Natural Gas Wells — Vitter's Method.
	M.P.R. — Oil — Calculations.
	New Oil Well Report.
	New Gas Well Report.
	Well Inspection Report.
	Rig Inspection Report.
	Battery Inspection Report.
	Equipment Report.
	Well Cord.
	New Service Well Report.
	Monthly Water Flood Operations Report
	Monthly Water Receipts and Disposal of Fluids Report Logs. Large scale Small scale

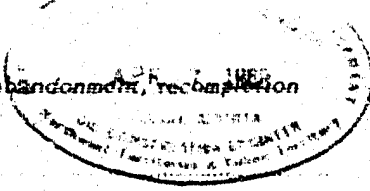


Drilling Authority No. 346
Date Issued January 8, 1969

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
RESOURCE MANAGEMENT DIVISION

WELL COMPLETION DATA

To be submitted in duplicate within thirty days after the completion, rework, abandonment, recompletion or a suspension of every well.



Well name and number: **Shell H.B. Grumbler G-63**

Permit No. **4146**

Lease No.

Hudson's Bay Oil & Gas Company Ltd.
(Permitter, Licensee, Lessee)

Exploratory Licence No. **1096**

Shell Canada Limited
(Operator)

Exploratory Licence No. **1881**

Location: Unit

C

Section

63

Grid **60° 20' 115° 45'**

Latitude **60° 12' 28.76"**

Longitude **115° 57' 10.85"**

From Established Reference Marker **N.E. 36-131-10-3**

Universal Well Location Reference **60.20799 N. Lat. 115.95301 W. Long**

	DATE	DEPTH	Pool(s)
			N11
			Interval(s) open to production N11
Spudded	14/2/69	Surface	
Suspended	—	—	
Resumed Operations	—	—	
Finished Drilling	11/3/69	2471	
Deepened	—	—	
Complete (gas/oil)	—	—	
Abandoned	16/3/69	2471	
Rig released	16/3/69	2471	
			Elevation: Gr. 892 K.B. 902
			Rig No. Sedco 894 & Redwell #18
			Drilling Contractor Sedco Exploration Ltd. and Redwell Servicing Co. Ltd.
			Contractor's Business Licence No. A-11203 & A-2576

CASING RECORD

Casing Size (Inches)	Grade	Weight	Amount	Set at —	Sacks of Cement and Additives
1. 7"	J-55	206	221.12'	231.12 KB	90 Sx + 2-1/2% CaCl₂
2. 5"	J-55	158	1533.74'	1545.74 KB	375 Sx. + 1-1/2% CaCl₂
3.					
4.					
5.					
6.					

GEOLOGICAL TOPS	ELEVATION		CORE RECORD					
	Depth	Sub-Sea	From	To	Rec.	From	To	Rec.
Slave Point	1150	(- 248)	N11					
Watt Mountain	1348	(- 446)						
Steane River	1398	(- 496)						
Muskeg	1640	(- 738)						
Mathy (Keg River)	1796	(- 894)						
Bear Rock	2250	(-1348)						
Red Beds	2426	(-1524)						
Proterozoic	2450	(-1548)						

LOG RECORD				Run No.	Type of Log	From	To
				1	Induction Electrollog	1542	232
				1	Acoustilog	1538	232
				1	* Gamma Ray Neutron	1542	Surface
				1	Densilog	1542	234
				2	Induction Electrollog	2080	1547
				1	Gamma Ray Linear		
					Neutron Porosity	2470	1070
				1	Electrollog	2471	1547
				1	* Gamma Ray	1536	227'
				1	BHC Acoustilog - Seismic	1538	232'

CEMENTING RECORD (Plug, Squeeze, etc.)				PERFORATING RECORD (Bullet, Jet)				SERVICING RECORD (Acidizing, Fishing, etc.)			
Date	From	To	Remarks	Date	From	To	Remarks	Date	From	To	Remarks
15/3/69	1860	1490	Plug #1 40 sx. Conet. + 2X CaCl2. Plug down @ 1:00 A.M. Felt plug @ 1470 w/150C psi.				Nil				Nil
15/3/69	1290	1190	Plug #2 (in casing) 10 Sx. Plug down 11:15 A.M.								
16/3/69		Surface	5 Sx. Conet. Cut off casing 3' below ground, welded on plate erected sign								

DRILL STEM TESTS

No.	Date	Formation	From	To	V.O. Mins.	I.S.I. Mins.	F.S.I. Mins.	I.S.I.R.H.P.	F.S.I.R.H.P.	I.F.R.H.P.	F.F.R.H.P.	L.H.P.	F.H.P.	REMARKS
1	14/3/69	Keg River	1690	2471	45	30	45	694	686	136	307	820	817	Recovered 50' water cushion and 570' muddy water.

ANALYSIS				PRESENT STATUS OF WELL			
Lab. No.	Sample	From	To	Source	Remarks	Oil	(Interest)
61	DST #1 (Water)	1690	2471	Keg River	Salinity 16,978 Cl ⁻		
CBH-1-1398	Gas	1150	1283	Slave Point		Gas	(Interest)
						Dry	D & A
						Swab	

SHELL CANADA LIMITED
P. J. Bean (P. J. Bean) JR
 MANAGER - EDMONTON DIVISION PRODUCTION
 APRIL 2, 1969

Forms to be prepared in duplicate and forwarded to the Oil Conservation Engineer, Calgary, Alberta.



File No.
Drilling Authority No. 344

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
RESOURCE MANAGEMENT DIVISION

Application to Abandon a Well ~~Completed Drilling~~

In compliance with the "Canada Oil and Gas Land Regulations", application is hereby made for approval to abandon, to suspend drilling:—

Name and number of well **SHELL E.B. CHAMBLER G-43**

Location: Unit **G** Section **43** Grid **60° 20' 115° 45'**

Latitude **60° 12' 28.76"** Longitude **115° 57' 10.85"**

From Established Reference Marker **S.L. 36-131-10-5**

Universal Well Location Reference **60.20799 N. Lat. 115.95301 W. Long.**

Permit No. **4146**

Lease No.

Hudson's Bay Oil & Gas Company Ltd.
(Permitter, Licensee, Lessee)

Date of commencement of proposed program **March 15, 1969**

OIL, GAS, AND WATER ENCOUNTERED (Depths)

Oil at

Gas at **1267-1283 (from logs) Max. Flow Rate Approx. 10 MCF/D**

Water at DST No. 1 **1690-2469 (Keg River) Rec. 520' muddy water (salinity 21,000 ppm NaCl)**

Total Depth **2469** Date of last operations **March 16, 1969**

Present condition of well **ABANDONED**

CASING RECORD

Casing Size O.D. Inches	Weight	Amount	Set At—	Sacks of Cement and Additives	Amount Pulled
1. 7" - J-55	20#	221.12'	231' K.B.	90 Sx. + 2-1/2% CaCl ₂	—
2. 5" - J-55	15#	1535.74	1543.74" K.B.	375 Sx. + 1-1/2% CaCl ₂	—
3.					
4.					
5.					

PROPOSED ABANDONMENT PROGRAM

Plug		Geological Formation	Number of Sacks of Cement	Remarks
No.	Position			
1	1860-1490	Kathy, Muskeg-Inter. Casing	40 Sx. + 2% CaCl ₂	Pait after 8 hrs. @ 1470'
2	1290-1190	In Intermediate Casing	10 Sx.	No Peel
3	Surface	—	5 Sx.	Casing cut 3' below C.L. Steel Riser 4' above C.L. with well name welded on riser

The following logs have been run **Run #1 IEL, Sonic, YDC Run #2 EL, IEL, CAS**

Other operations proposed **Nil**

Operations to be carried out by **Redwell Servicing Co., Ltd.** Contractor Licence No. **A-11203**
Address **630 - 6th Ave. S.W., Calgary** Address **630 - 6th Ave S.W., Calgary**
Responsible Agent in field **R. W. Miller** c/o **Shell Canada Limited**

Dated at **Edmonton, Alberta**, this **19th** Day of **March**, 19 **69**.

Signed by **P. H. Dunn (P. H. DUNN)** Company **SHELL CANADA LIMITED**

Title **MANAGER-EDMONTON DIV. PROD.** Operator's Exploratory Licence No. **1881**

Note:—The Oil Conservation Engineer's office must be notified before work is commenced.

(For RESOURCE MANAGEMENT DIVISION use only)

APPROVAL

This application has been examined and proposed programme approved, subject to the following conditions:

Confirming oral approval given by Mr. B.H.J. Thomas
on the 14th March 1969.

Dated **24th March**, 19 **69**

B. H. J. Thomas
Oil Conservation Engineer

Forms to be submitted in triplicate to Oil Conservation Engineer,
Department of Indian Affairs and Northern Development, Calgary, Alberta.

Drilling Authority No. 240

Project No.

File No.



DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
OIL & NATURAL GAS ~~RESOURCE MANAGEMENT~~ DIVISION

Application for a Drilling Authority

This notice of intention to begin drilling operations, in triplicate, and where required a plan of survey approved by the Surveyor General showing the target area or the site of the well must be submitted and approved before commencing operations.

In compliance with the "Canada Oil and Gas Land Regulations", application is hereby made for approval to drill:—

Name and number of well **SHELL H.B. CHURCHILL G-63**
 Location: Unit **G** Section **63** Grid **60° 20' 115° 45'**
 Latitude **60° 12' 28.76"** Longitude **115° 57' 10.85"**
 From Established Reference Marker **N.E. 36-131-10-5**
 Universal Well Location Reference **60.20799 N. Lat. 115.95301 W. Long.**
 Elevation: Ground **Not Available** K.B. **Not Available** feet above sea-level.
 Well is expected to produce from **the Keg River** formation at a depth
 of about **1400** feet. Expected total final depth **2000**
 Area assigned to well

(For Oil Conservation Engineer's use only)

Permit No. **4146** Lease No. **63334**
 Permittee, licensee, or lessee **Hudson's Bay Oil and Gas Company Limited**
 Exploratory Licence No. **1096**
 Surface owned by Crown or

Petroleum and natural-gas rights owned by **Crown**
 (If applicant submit name and address of owner and occupant.)

We propose to use the following strings of casing, either cementing or landing them as indicated below:—

Casing Size O.D. (Inches)	Weight (Lb./Ft.)	Grade	New or Used	Estimated Depth	Backs of Cement
1. 7"	204	J-55	New	200 +	90 Sxs.
2.					
3.					
4.					
5.					

Expected water, gas, and oil horizons and type of control equipment.

Slave Point, Keg River

10" Series 900 Mechanical Double Shaffer

10" Series 600 G.K. Rydriil

Well will be drilled with Rotary Rig No. **93** by **Sedco Exploration Ltd.**

(Drilling Contractor or company)

Responsible agent of applicant:—

Contractor's business Licence No. **A-11203**

At well **R. W. Miller**

At registered office **A. M. McLachlin**

Address **Box 186, Edmonton, Alta.**

Address **Box 186, Edmonton, Alberta.**

It is understood that if changes become necessary, notice of the change of plan will be submitted.

Dated at **Edmonton, Alberta**, this **3rd** day of **January**, 19 **69**

Signed by **A. M. McLachlin** Company **SHELL CANADA LIMITED**

Title **MANAGER - EDMONTON DIV. PROD.** Operator's Licence No. **1881**

(For Resource Management Division use only)

APPROVED

This application has been examined and approved subject to the following conditions:—

- The Company will submit to this office on Tuesday of each week the latest reports received by radio on the progress of the well.
- During well drilling and testing operations, every effort shall be made to ensure

Dated **8th January**

19 **69**

Oil Conservation Engineer

(over)

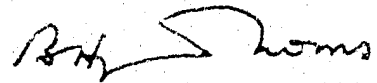
Forms to be submitted to Oil Conservation Engineer,
Department of Indian Affairs and Northern Development, Calgary, Alberta.

LAND 52-90-1 (3-67)

UNIQUE WELL IDENTIFIER - 3000636020115450

that drilling fluids, chemicals and wastes shall be disposed of or contained in a manner that will prevent the contamination of adjacent vegetation and surface or subsurface waters.

3. We draw your attention to Sections 95 and 96 of the Canada Oil and Gas Land Regulations.



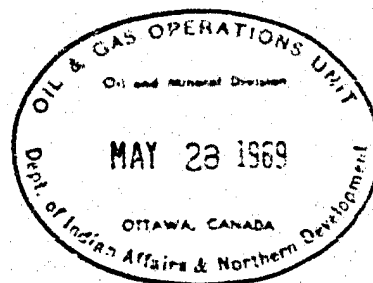
B.H.J. Thomas
Oil Conservation Engineer

SHEL

H.B.

GRUMPER 7-63

60° 12' 28.76" 115° 57' 10.85"



WELL HISTORY REPORT
SHELL H.B. GRUMBLER G-63
SHELL CANADA LIMITED
APRIL 14, 1969

SECTION I - SUMMARY OF WELL DATA

(a) Well Name and Number

Shell H.B. Grumbler G-63

(b) Permittee

Hudson's Bay Oil and Gas Company Limited

(c) Operator

Shell Canada Limited
P.O. Box 186
Edmonton, Alberta.

(d) Location

Unit G, Section 63, Grid 60° 20' 115° 45"
Latitude: 60° 12' 28.76"
Longitude: 115° 57' 10.85"
Unique Well Identifier - 300G636020115450

(e) *Permit Number

4146

(f) Drilling Contractor

Sedco Exploration Rig No. 94 and
Redwell Servicing Ltd. Rig No. 18

(g) Drilling Authority

Drilling Authority No. 344
issued January 8, 1969.

(h) Classification

Wildcat

(i) Elevations

Ground Level: 892'
Kelly Bushing: 902'

(j) Spudded

February 14, 1969 at 5:30 P.M.

(k) Completed Drilling

March 11, 1969

* Universal Well Location Reference - Lat. 60.20799° N.
Long. 115.95301° W.

(l) Total Depth and Plugged Back Total Depth

T.D. 2471 K.B.

P.B.T.D. Surface

(m) Well Status

Abandoned

(n) Rig Released

March 16, 1969 at 1:00 P.M.

(o) Hole Size

9-7/8" to 236' K.B.

6-1/4" to 1550' K.B.

4-3/16" to 2471' K.B.

(p) Casing

7", J-55, 20# Casing landed at 231' K.B., with 90 sacks + 24% CaCl_2 .

5", J-55, 15# Casing landed at 1545.74' K.B., with 375 sacks + 14% CaCl_2 .

WELL HISTORY REPORT
SHELL H.B. GRUMBLER G-63

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SECTION II - GEOLOGICAL SUMMARY(a) Formation Tops

<u>Formation</u>	<u>Depth</u>	<u>Subsea</u>
Slave Point	1150	(- 248)
Watt Mountain	1348	(- 446)
Steen River	1398	(- 496)
Muskeg	1640	(- 738)
Methy	1796	(- 894)
Bear Rock	2250	(-1348)
Red Beds	2426	(-1524)
PreCambrian	2480	(-1548)

(b) Cored Intervals

No Cores Cut

(c) Sample Description

See Appendix 'A'

SECTION 1.1 - ENGINEERING SUMMARY(a) Drill Stem Tests

<u>No.</u>	<u>Interval</u>	<u>Remarks</u>
1	1690-2471	Conventional off bottom. IF 5 Min., ISI 30 Min., FF 45 Min., PSI 45 Min. ISIP - 694, PSIP - 686, IFP - 136, FFP - 307, IHP - 820, PHP - 817. Rec. 50' water cushion and 520' muddy water.

(b) Casing Record

<u>Date</u>	<u>Size</u>	<u>Grade</u>	<u>Weight</u>	<u>Amount</u>	<u>Set At</u>	<u>Cement and Additives</u>
Feb. 15	7"	J-55	20#	221.12'	231' K.B.	90 sacks + 2-1/2% CaCl ₂
Feb. 24	5"	J-55	15#	1535.74'	1545.74' K.B.	375 sacks + 1-1/2% CaCl ₂

(c) Bit RecordSedco Rig No. 93

<u>No.</u>	<u>Size</u>	<u>Type</u>	<u>Depth Out</u>	<u>Feet Cut</u>	<u>Hours Run</u>
1A	9-7/8"	-	157	157	13-1/2
2A	9-7/8"	-	236	79	6-1/4
1	6-1/4"	OSG3	1252	1016	9-1/4
2	6-1/4"	OSC-1G	1550	298	15-3/4

Redwell Rig No. 14

1	4-1/4"	W7	1570	24	10-1/4
2	4-3/16"	100235	2471	901	169

(d) Mud Report

Gel	-	197 sacks
Lime	-	65 Lbs.
Caustic	-	60 sacks
Fiber Seal	-	23 sacks
Sawdust	-	55 sacks
Celloseal	-	4 sacks
Defoamer	-	5 gallons
Spercecene	-	27-1/2 sacks
CMC	-	5 sacks
Weight Material	-	1608 sacks

(e) Deviation Record

<u>Depth</u>	<u>Degrees</u>	<u>Depth</u>	<u>Degrees</u>
98	1/2°	948	3/4°
196	3/4°	1189	3/4°
448	1/2°	1430	1°
714	3/4°	2240	1-1/4°

(f) Abandonment Plugs

<u>Plug No.</u>	<u>Date</u>	<u>Interval</u>	<u>Cement and Additives</u>
1	March 15, 1969	1860-1490	40 sacks cement + 2% CaCl ₂ Felt @ 1470'.
2	March 15, 1969	1290-1190	10 sacks cement
3	March 16, 1969	Surface	Cut off casing 3' below ground. Ran 5-sack cement plug. Welded on plate, erected sign.
(g)	<u>Lost Circulation Zones</u>		
	None		

(h) Blowouts

Well began to flow at 12:30 A.M. February 18 while tripping back into hole after bit change at 1550' K.B. Total amount of drill collars in the hole at this time was 300 feet, annulus pressure rose to 325 psi. Opened well through choke to pit and reduced wellhead pressure to 200 psi. Stripped in 6 more drill collars for total of 430' but could not strip in drill pipe because of leakage. Well flowed at a steady wellhead pressure of 200 psi and a rate of 7.4 MMCFPD as measured by 2" sidestatic nipple on February 19. Repaired leaks in BOP manifold and pumped in mud with weights up to 15#/Gal. to kill well on February 21. Tripped into hole and worked drill stem to within 60' of bottom of hole on February 22. Circulated and conditioned hole and mud, logged hole, ran and set 5" intermediate casing at 1546'. Logs indicate gas flow was from Slave Point.

Refer to Appendix 'E' for letter of March 19, 1969 concerning non-commercial value of the gas from the subject well.

SECTION IV - LOGS

<u>Type</u>	<u>Interval</u>	<u>Date</u>
IEL	1542-232'	February 23, 1969
BHC Acoustilog	1538-232	February 23, 1969
Neutron	1542-Surface	February 23, 1969
Gamma Ray	1536-227'	February 23, 1969
Densilog	1542-234'	February 23, 1969
Linear Neutron Porosity	2470-1070	March 12, 1969
Electrolog	2471-1547	March 12, 1969
IEL	2080-1547	March 12, 1969
SRS	1538-232'	Feb. 23, 1969

SECTION V - ANALYSIS

(a) Core Analysis

None

(b) Water Analysis

See Appendix 'C' - Report No. 61

(c) Gas Analysis

See Appendix 'D' - Lab Report No. CBH-1-1398

(d) Oil Analysis

None

SECTION VI - COMPLETION SUMMARY(a) Tubing Record

None

(b) Perforation Record

None

(c) Cementation Record

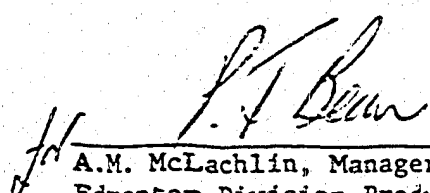
<u>Plug No.</u>	<u>Date</u>	<u>Interval</u>	<u>Formation</u>	<u>Cement</u>	<u>Felt</u>
1	March 15, 1969	1860-1490	Methy and Muskeg	40 sacks +2% CaCl ₂	1470
2	March 15, 1969	1290-1190	Inside casing	10 sacks	

(d) Acidization and Fracturing Record

None

(e) Back Pressure and Production Tests

None


A.M. McLachlin, Manager
Edmonton Division Production

APPENDIX 'A'

SHELL HUDSON'S BAY GRIPPLER G-63

K.B. 902'

T.D. 2470'

LATITUDE: 60° 12' 28.76"

LONGITUDE: 115° 57' 10.85"

0' -10'	Shale -Sandstone	Shale, slightly calcareous, and sandstone; traces of pyrite and red chert pebbles.
10' -20'	Shale -Sandstone	Shale, slightly calcareous, and sandstone; traces of pyrite and red chert pebbles.
20' -30'	Shale -Sandstone	Shale, slightly calcareous, and sandstone; traces of pyrite and red chert pebbles.
30' -40'	Shale -Sandstone	Shale, slightly calcareous, and sandstone; traces of pyrite and red chert pebbles.
40' -50'	Shale -Sandstone	Shale, slightly calcareous, and sandstone; traces of pyrite and red chert pebbles.
50' -60'	Shale -Sandstone	Shale, slightly calcareous, and sandstone; traces of pyrite and red chert pebbles.
60' -70'	Shale	Shale, calcareous; with minor amounts of sandstone pebbles.
70' -80'	Shale	Shale, calcareous; with minor amounts of sandstone pebbles.
80' -90'	Shale	Shale, calcareous; with minor amounts of sandstone pebbles.

90' -100'	Shale	Shale, calcareous; with minor amounts of sandstone pebbles.
100' -110'	Shale	Shale, calcareous; with minor amounts of sandstone pebbles.
110' -120'	Shale	Shale, calcareous; with minor amounts of sandstone pebbles.
120' -130'	Shale	Shale, calcareous; with minor amounts of sandstone pebbles.
130' -140'	Shale	Shale, calcareous; with minor amounts of sandstone pebbles.
140' -150'	Shale -Sandstone	Shale, calcareous; and sandstone with traces of pyrite.
150' -160'	Shale -Sandstone	Shale, calcareous; and sandstone with traces of pyrite.
160' -170'	Shale -Sandstone	Shale, calcareous; and sandstone with traces of pyrite.
170' -180'	Shale -Sandstone	Shale, calcareous; and sandstone with traces of pyrite.
180' -190'	Shale -Sandstone	Shale, calcareous; and sandstone with traces of pyrite.
190' -200'	Shale -Sandstone	Shale, calcareous; and sandstone with traces of pyrite.
200' -210'	Shale -Sandstone	Shale, calcareous; and sandstone with traces of pyrite.
210' -220'	Shale -Sandstone	Shale, calcareous; and sandstone with traces of pyrite.
220' -230'	Shale	Shale, traces of limestone, chert and pyrite.
230' -240'	Shale	Shale, traces of limestone, chert and pyrite.

240' -250'	Shale	Shale, traces of limestone, chert and pyrite.
250' -260'	Shale	Shale, traces of limestone, chert and pyrite.
260' -270'	Shale	Shale, traces of limestone, chert and pyrite.
270' -280'	Shale	Shale, traces of limestone, chert and pyrite.
280' -290'	Shale	Shale, traces of limestone, chert and pyrite.
290' -300'	Shale	Shale, traces of limestone, chert and pyrite.
300' -310'	Shale	Shale, traces of limestone, chert and pyrite.
310' -320'	Shale	Shale, traces of limestone, chert and pyrite.
320' -330'	Shale	Shale, traces of limestone, chert and pyrite.
330' -340'	Shale	Shale, traces of limestone, chert and pyrite.
340' -350'	Shale	Shale, traces of limestone, chert and pyrite.
350' -360'	Shale	Shale, traces of limestone, chert and pyrite.
360' -370'	Shale	Shale, traces of limestone, chert and pyrite.
370' -380'	Shale	Shale, traces of limestone, chert and pyrite.
380' -390'	Shale	Shale, traces of limestone, chert and pyrite.

390' -400'	Shale	Shale, traces of limestone, chert and pyrite.
400' -410'	Shale	Shale, traces of limestone, chert and pyrite.
410' -420'	Shale	Shale, traces of limestone, chert and pyrite.
420' -430'	Shale	Shale, traces of calcareous content.
430' -440'	Shale	Shale, traces of calcareous content.
440' -450'	Shale	Shale, traces of calcareous content.
450' -460'	Shale	Shale, traces of calcareous content.
460' -470'	Shale	Shale, traces of calcareous content.
470' -480'	Shale	Shale, traces of calcareous content.
480' -490'	Shale	Shale, slightly calcareous.
490' -500'	Shale	Shale, slightly calcareous.
500' -510'	Shale	Shale, slightly calcareous.
510' -520'	Shale	Shale, slightly calcareous.
520' -530'	Shale	Shale, slightly calcareous.
530' -540'	Shale	Shale, slightly calcareous.
540' -550'	Shale	Shale, slightly calcareous.
550' -560'	Shale	Shale, slightly calcareous.
560' -570'	Shale	Shale, slightly calcareous.
570' -580'	Shale	Shale, slightly calcareous.
580' -590'	Shale	Shale, slightly calcareous.

590' -600'	Shale	Shale, slightly calcareous.
600' -610'	Shale	Shale, slightly calcareous.
610' -620'	Shale	Shale, slightly calcareous.
620' -630'	Shale	Shale, slightly calcareous.
630' -640'	Shale	Shale, slightly calcareous.
640' -650'	Shale	Shale, slightly calcareous.
650' -660'	Shale	Shale, slightly calcareous.
660' -670'	Shale	Shale, slightly calcareous.
670' -680'	Shale	Shale, slightly calcareous.
680' -690'	Shale	Shale, slightly calcareous.
690' -700'	Shale	Shale, slightly calcareous.
700' -710'	Shale	Shale, slightly calcareous.
710' -720'	Shale	Shale, slightly calcareous.
720' -730'	Shale	Shale, slightly calcareous.
730' -740'	Shale	Shale, slightly calcareous.
740' -750'	Shale	Shale, slightly calcareous.
750' -760'	Shale	Shale, slightly calcareous.
760' -770'	Shale	Shale, slightly calcareous.
770' -780'	Shale	Shale, slightly calcareous.
780' -790'	Shale	Shale, slightly calcareous.
790' -800'	Shale	Shale, slightly calcareous.
800' -810'	Shale	Shale, slightly calcareous.

810' -820'	Shale	Shale, slightly calcareous.
820' -830'	Shale	Shale, slightly calcareous.
830' -840'	Shale	Shale, slightly calcareous.
840' -850'	Shale	Shale, slightly calcareous.
850' -860'	Shale	Shale, slightly calcareous.
860' -870'	Shale	Shale, slightly calcareous.
870' -880'	Shale	Shale, slightly calcareous.
880' -890'	Shale	Shale, slightly calcareous.
890' -900'	Shale	Shale, slightly calcareous.
900' -980'		SAMPLES MISSING.
980' -990'	Shale	Shale, slightly calcareous, traces of pyrite and chert.
990' -1000'	Shale	Shale, slightly calcareous; traces of pyrite and chert.
1000' -1010'	Shale	Shale, slightly calcareous; traces of pyrite and chert.
1010' -1020'	Shale	Shale, slightly calcareous; traces of pyrite and chert.
1020' -1030'	Shale	Shale, slightly calcareous; traces of pyrite and chert.
1030' -1040'	Shale	Shale, slightly calcareous; traces of pyrite and chert.
1040' -1050'	Shale	Shale, slightly calcareous; traces of pyrite and chert.
1050' -1060'	Shale	Shale, slightly calcareous; traces of pyrite and chert.

1060' -1070'	Shale	Shale, slightly calcareous; traces of pyrite and chert.
1070' -1080'	Shale	Shale, slightly calcareous; traces of pyrite and chert.
1080' -1090'	Shale	Shale, slightly calcareous; traces of pyrite and chert.
1090' -1110'		SAMPLES MISSING.
1110' -1120'	Shale	Shale, traces of limestone and pyrite.
1120' -1130'	Shale	Shale, traces of limestone and pyrite.
1130' -1140'	Shale	Shale, traces of limestone and pyrite.
1140' -1150'	Shale	Shale, traces of limestone and pyrite.
1150' -1160'	Shale	Shale, traces of limestone and pyrite.
1160' -1170'	Shale -Limestone	Shale and limestone with traces of pyrite.
1170' -1180'	Shale -Limestone	Shale and limestone; with traces of pyrite.
1180' -1190'	Shale -Limestone	Shale, with minor limestone; traces of pyrite.
1190' -1200'	Shale -Limestone	Shale, with minor limestone; traces of pyrite.
1200' -1210'	Shale -Limestone	Shale and limestone; with traces of pyrite.
1210' -1220'	Limestone -Shale	Limestone, with minor shale; traces of pyrite.
1220' -1230'	Limestone -Shale	Limestone, with minor shale; traces of pyrite.

1230' -1240'	Limestone -Shale	Limestone, with minor shale; traces of pyrite.
1240' -1250'	Limestone -Shale	Limestone, with minor shale; traces of pyrite.
1250' -1260'	Limestone -Shale	Limestone, with minor shale; traces of pyrite.
1260' -1270'	Limestone -Shale	Limestone, with minor shale; traces of pyrite.
1270' -1280'	Limestone -Shale	Limestone, with minor shale; traces of pyrite.
1280' -1290'	Shale -Limestone	Shale, with minor limestone; traces of pyrite, anhydrite.
1290' -1300'	Shale -Limestone	Shale, with minor limestone; traces of pyrite and anhydrite.
1300' -1310'	Shale -Limestone	Shale, with minor limestone; traces of pyrite and anhydrite.
1310' -1320'	Shale -Limestone	Shale, with minor limestone; traces of pyrite and anhydrite.
1320' -1330'	Shale -Limestone	Shale, with minor limestone; traces of pyrite and anhydrite.
1330' -1340'	Shale -Limestone	Shale, with minor limestone; traces of pyrite and anhydrite.
1340' -1350'	Shale -Limestone	Shale, with minor limestone; traces of pyrite and anhydrite.
1350' -1360'	Shale -Limestone	Shale with minor limestone and anhydrite.
1360' -1370'	Shale	Shale, with minor amounts of anhydrite and traces of limestone and pyrite.
1370' -1380'	Shale	Shale, with minor amounts of anhydrite and traces of limestone and pyrite.

1380' -1390'	Dolomite -Shale	Dolomite and shale; traces of pyrite and anhydrite.
1390' -1400'	Dolomite -Shale	Dolomite and shale; traces of pyrite and anhydrite.
1400' -1410'	Shale	Shale with minor dolomite.
1410' -1420'	Shale	Shale with minor dolomite.
1420' -1430'	Shale -Dolomite	Shale, with dolomite.
1430' -1440'	Shale -Dolomite	Shale, with dolomite.
1440' -1450'	Shale -Dolomite	Shale, with dolomite.
1450' -1460'	Shale -Dolomite	Shale and dolomite.
1460' -1470'	Shale -Dolomite	Shale, with minor dolomite.
1470' -1480'	Shale -Dolomite	Shale, with minor dolomite.
1480' -1490'	Shale -Dolomite	Shale, with minor dolomite.
1490' -1500'	Shale	Shale with small amounts of dolomite.
1500' -1510'	Shale	Shale, with small amounts of dolomite.
1510' -1520'	Shale	Shale, with small amounts of dolomite.
1520' -1530'	Shale -Dolomite	Shale and dolomite.
1530' -1540'	Shale -Dolomite	Shale and dolomite.
1540' -1550'	Shale -Dolomite	Shale and Dolomite.
1550' -1560'	Dolomite	Dolomite.

1560' -1570'	Dolomite	Dolomite.
1570' -1580'	Dolomite	Dolomite.
1580' -1590'	Dolomite	Dolomite.
1590' -1600'	Dolomite	Dolomite.
1600' -1610'	Dolomite	Dolomite with traces of anhydrite.
1610' -1620'	Dolomite	Dolomite.
1620' -1630'	Dolomite	Dolomite.
1630' -1640'	Dolomite	Dolomite.
1640' -1650'	Dolomite	Dolomite.
1650' -1660'	Dolomite	Dolomite.
1660' -1670'	Dolomite	Dolomite, with traces of anhydrite.
1670' -1680'	Dolomite	Dolomite, with traces of anhydrite.
1680' -1690'	Dolomite	Dolomite, with traces of anhydrite.
1690' -1700'	Dolomite	Dolomite, with traces of anhydrite.
1700' -1710'	Dolomite	Dolomite, with traces of anhydrite.
1710' -1720'	Dolomite	Dolomite, with traces of anhydrite.
1720' -1730'	Dolomite	Dolomite, with traces of anhydrite.
1730' -1740'	Dolomite	Dolomite, with traces of anhydrite.
1740' -1750'	Dolomite	Dolomite, with traces of anhydrite.
1750' -1760'	Dolomite	Dolomite, with traces of anhydrite.
1760' -1770'	Dolomite	Dolomite, with traces of anhydrite.
1770' -1780'	Dolomite	Dolomite, with traces of anhydrite.
1780' -1790'	Dolomite	Dolomite, with traces of anhydrite.

1790' -1800'	Dolomite	Dolomite, with traces of anhydrite.
1800' -1810'	Dolomite	Dolomite, with traces of anhydrite.
1810' -1820'	Dolomite	Dolomite, with traces of anhydrite.
1820' -1830'	Dolomite	Dolomite, with traces of anhydrite.
1830' -1840'	Dolomite	Dolomite.
1840' -1850'	Dolomite	Dolomite.
1850' -1860'	Dolomite	Dolomite.
1860' -1870'	Dolomite	Dolomite.
1870' -1880'	Dolomite	Dolomite.
1880' -1890'	Dolomite	Dolomite.
1890' -1900'	Dolomite	Dolomite.
1900' -1910'	Dolomite	Dolomite.
1910' -1920'	Dolomite	Dolomite.
1920' -1930'	Dolomite	Dolomite.
1930' -1940'	Dolomite	Dolomite.
1940' -1950'	Dolomite	Dolomite.
1950' -1960'	Dolomite	Dolomite.
1960' -1970'	Dolomite	Dolomite.
1970' -1980'	Dolomite	Dolomite.
1980' -1990'	Dolomite	Dolomite.
1990' -2000'	Dolomite	Dolomite.
2000' -2010'	Dolomite	Dolomite.
2010' -2020'	Dolomite	Dolomite, with traces of anhydrite.
2020' -2030'	Dolomite	Dolomite.

2030' -2040'	Dolomite	Dolomite.
2040' -2050'	Dolomite	Dolomite.
2050' -2060'	Dolomite	Dolomite.
2060' -2070'	Dolomite	Dolomite.
2070' -2080'	Dolomite	Dolomite.
2080' -2090'	Dolomite	Dolomite.
2090' -2100'	Dolomite	Dolomite.
2100' -2110'	Dolomite	Dolomite.
2110' -2120'	Dolomite	Dolomite.
2120' -2130'	Dolomite	Dolomite.
2130' -2140'	Dolomite	Dolomite.
2140' -2150'	Dolomite	Dolomite.
2150' -2160'	Dolomite	Dolomite, with traces of anhydrite.
2160' -2170'	Dolomite	Dolomite, with traces of anhydrite.
2170' -2180'	Dolomite	Dolomite, with traces of anhydrite.
2180' -2190'	Dolomite	Dolomite, with traces of anhydrite.
2190' -2200'	Dolomite	Dolomite, with traces of anhydrite.
2200' -2210'	Dolomite	Dolomite, with traces of anhydrite and quartz.
2210' -2220'	Dolomite	Dolomite, with traces of anhydrite and quartz.
2220' -2230'	Dolomite	Dolomite, with traces of anhydrite and quartz.
2230' -2240'	Dolomite	Dolomite, with traces of anhydrite and quartz.

2240' -2250'	Dolomite	Dolomite, with traces of anhydrite, and quartz.
2250' -2260'	Anhydrite	Anhydrite, with minor dolomite.
2260' -2270'	Anhydrite	Anhydrite, with minor dolomite.
2270' -2280'	Anhydrite	Anhydrite, with minor dolomite.
2280' -2290'	Anhydrite	Anhydrite.
2290' -2300'	Anhydrite	Anhydrite.
2300' -2310'	Anhydrite	Anhydrite.
2310' -2320'	Anhydrite	Anhydrite.
2320' -2330'	Anhydrite	Anhydrite.
2330' -2340'	Anhydrite	Anhydrite.
2340' -2350'	Anhydrite	Anhydrite.
2350' -2360'	Anhydrite	Anhydrite.
2360' -2370'	Anhydrite	Anhydrite.
2370' -2380'	Anhydrite	Anhydrite.
2380' -2390'	Anhydrite	Anhydrite.
2390' -2400'	Anhydrite	Anhydrite, with traces of shale.
2400' -2410'	Anhydrite	Anhydrite, with traces of shale.
2410' -2420'	Anhydrite	Anhydrite, with traces of shale.
2420' -2430'	Anhydrite	Anhydrite, with minor shale.
2430' -2440'	Anhydrite	Anhydrite, with traces of shale and dolomite.
2440' -2450'	Anhydrite	Anhydrite, with traces of shale and dolomite.
2450' -2460'	Quartz -Anhydrite	Red and white quartz and anhydrite.
2460' -2470'	Quartz	Quartz, pink, fresh, micaceous.

APPENDIX 'B'

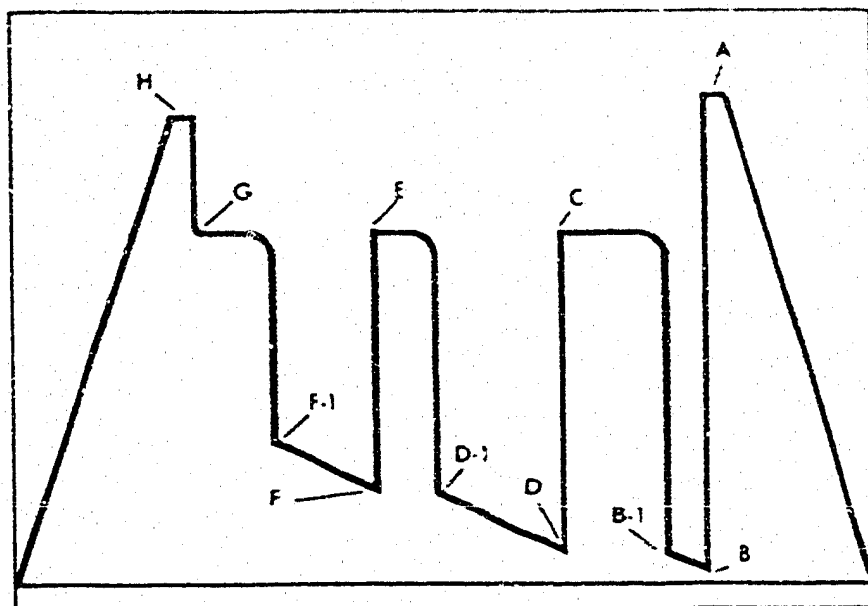
[illegible]

G 01001		PRESSURE DATA		FLUID SAMPLE REPORT	
INSTRUMENT NO.	AKI-1439	AKI-1451		Sample No.	
CAPACITY (cu ft)	3200	5000		Type	
INSTRUMENT DEPTH	1712	1710		Depth	ft.
INSTRUMENT OPENING	OUTSIDE	OUTSIDE		Volume	
PRESSURE GRADIENT (psi/ft)					
WELL TEMP. °F	76°	75°		Sample Pressure	
INITIAL HYDROSTATIC	A 820#	820#		psi at Surface	
FIRST FLOW	B 50#	62#		Gravity	API (°)
B-1	101#	102#		Gas Oil Ratio	Cu Ft. bbl.
INITIAL SHUT IN	C 694#	691#			
SECOND FLOW	D 136#	139#			
D-1	307#	309#		Recovery	
SECOND SHUT IN	E			Cu Ft. Gas	
THIRD FLOW	F			cc Oil	
				cc Water	
FINAL SHUT IN	G 686#	695#		cc Mud	
FINAL HYDROSTATIC	H 817#	819#		Total Liquid cc	

PRESSURE INCREMENTS ON RECORDER AKI-1454

[illegible]

GUIDE TO IDENTIFICATION OF DRILL STEM TEST PRESSURE CHARTS



- 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
- B, B-1, Initial Flow Pressures
- C, Initial Shut-In
- D-1, D-2, D-3, etc. Second Flow Pressures
- E, Second Shut-In
- F, F-1, F-2. Third Flow Pressures
- G, Final Shut-In
- H, Final Hyd. Pressures
- Z — Special pressure points such as pumping pressures recorded for formation breakdown.

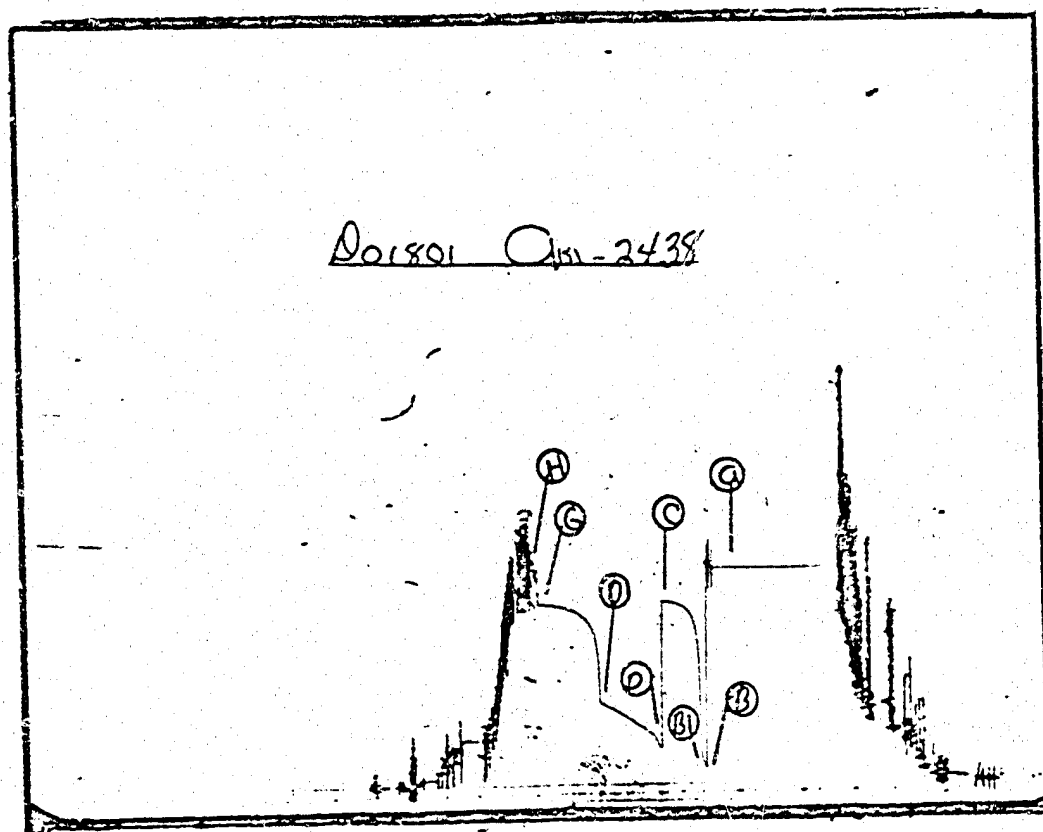


FIELD
REPORT NO
D 01801

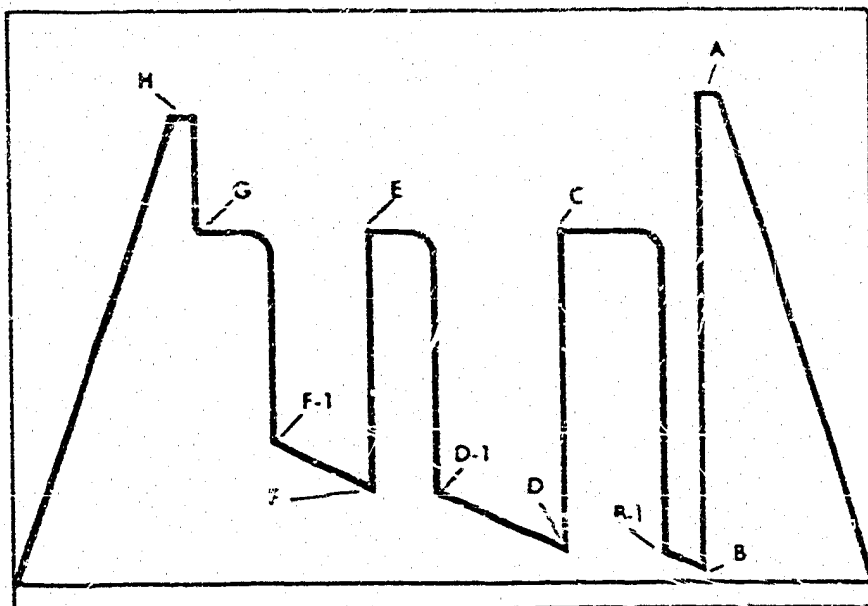
RECORDER NO
AKI-2433

CAPACITY
3200

REPORTS
REQUESTED
5



GUIDE TO IDENTIFICATION OF DRILL STEM TEST PRESSURE CHARTS



- 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
- B, B-1, Initial Flow Pressures
- C, Initial Shut-In
- D-1, D-2, D-3, etc. Second Flow Pressures
- E, Second Shut-In
- F, F-1, F-2, Third Flow Pressures
- G, Final Shut-In
- H, Final Hyd. Pressures
- Z — Special pressure points such as pumping pressures recorded for formation breakdown.

FIELD
REPORT NO.

D 01801

RECORDER NO.

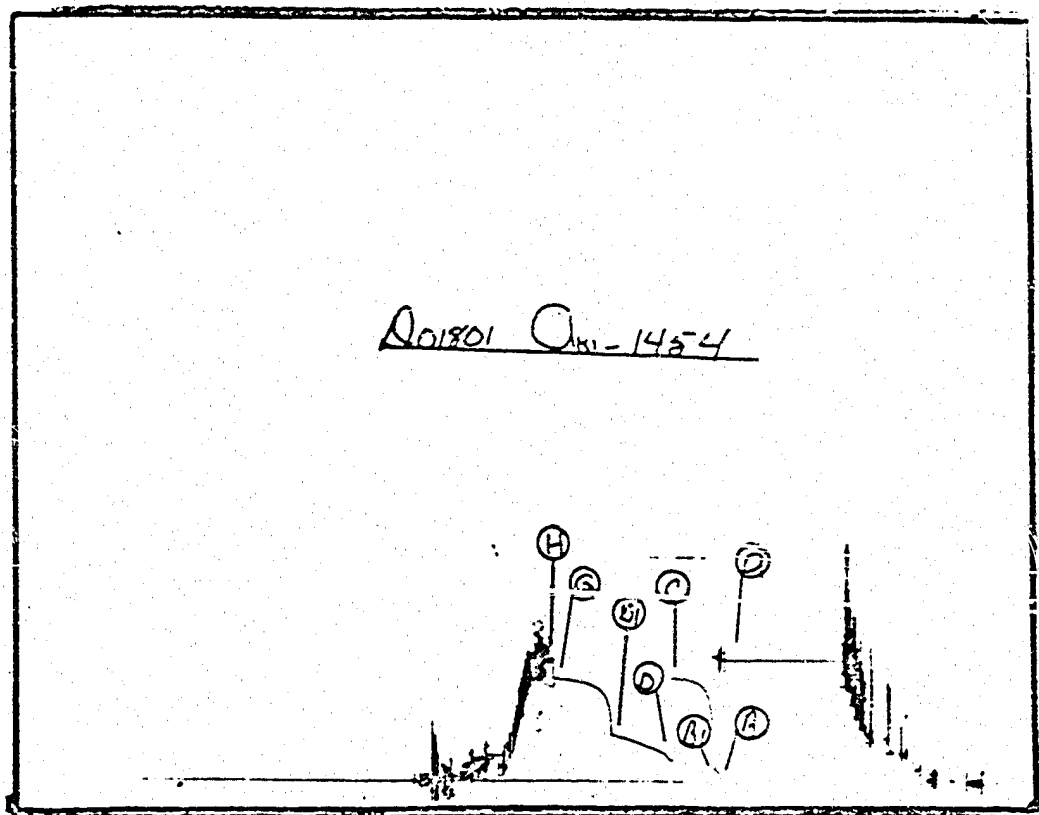
AK1-1454

CAPACITY

5000

REPORTS
REQUESTED

5



APPENDIX 'C'

SHELL CANADA LIMITED
PRODUCTION LABORATORY ANALYSIS REPORT
CALGARY, ALBERTA

Laboratory Number 61
WATER

Sample Received MARCH 18, 1969
Sample Analyzed MARCH 19, 1969
Results Reported MARCH 21, 1969

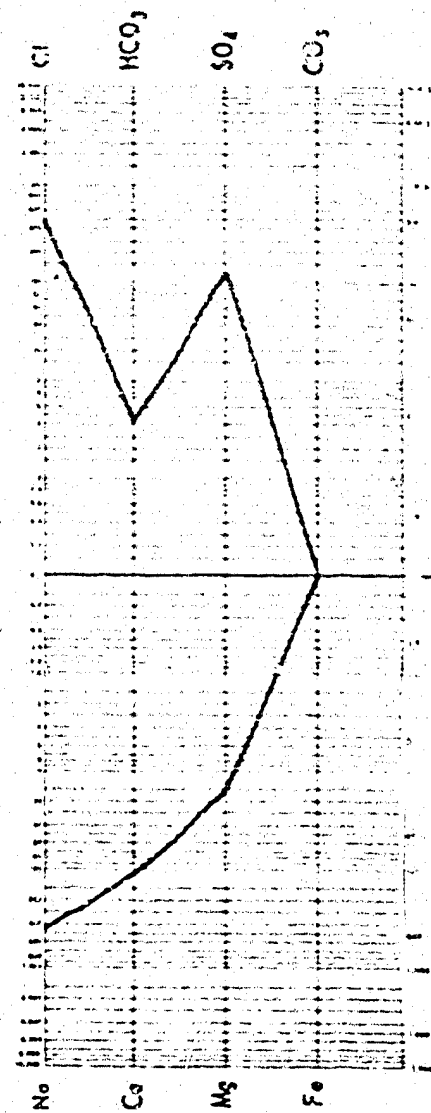
Well SHELL-H.B. GRUMBLER G-63, N.W.T. LONG 115° 57' 28.76"
LAT. 60° 12' 28.76"
LSD Sec 21 Twp 1690-2421 W Formation KEEB RIVER

Method of production DST #1 Rsg 1690-2421 Well K.B. 902' G.L. 892'
DST Recovery 100 WATER CUSHION, 520' MUDDY WATER Perls. or O.H. P.B.T.D.
Sample obtained from TOP OF TOOL Filed 1016 Cope No. 1016 Sampled by B. MILLAR
Date MAR. 14, 1969 Time

Specific Gravity at 60°F 1.0340 pH 8.3 Resistivity 0.253 ohm-m at 60°F H₂S NONE Calculated Total Solids 35,908 Mg/L

	Calc. Na + K	Ca	Mg	Fe	CO ₂	HCO ₃	SO ₄	Cl
Mg/L	10.713	2321	183	NONE	0	256	5457	16,978
MEQ/L	465.78	115.82	15.05		0	4.30	113.67	178.78
MEQ. %	39.03	9.71	1.26		0	0.35	9.53	40.12

Milliequivalents per Litre



Remarks: FILTER PRESS FILTRATE CLEAR
AMBER.
SO4 PROBABLY HIGH.

File Code No. 15-1100
Production Department, Calgary Area 1
Division Office EXPLOR. ERM. 5
Production Laboratory, Calgary Area 2

Chemist N.L. Johnson

APPENDIX 'D'



CORE LABORATORIES - CANADA LTD.
PETROLEUM RESERVOIR ENGINEERING



6-6

GAS ANALYSIS

Company Shell Canada Limited Page 1 of 1
Well Shell 100 Grumbler G-63 File CRM-1-1308
Field Wildcat, N.W.T. Analyst BT
Location 60° 12' 28.76" N 116° 57' 10.85" W Elevation: K.B. 912.0' Grd. 892.0'
Formation _____ Depth _____
Sampled from Choke Manifold by _____
Sampling pressure _____ psig Sampling temp. _____ °F Ambient temp. _____ °F
Date sampled _____ Date received Feb 20/69 Date analyzed Feb 20/69
Container pressure _____ Mud _____ Water cushion _____
Recovery or flowrate: Tight

<u>COMPONENT</u>	<u>MOLE %</u>	<u>IMP. GPM @ 14.65 psia and 60°F</u>	<u>SPECIFIC GRAVITY</u>
Hydrogen	-		Calculated <u>0.624</u> Measured <u>-</u>
Helium	<u>0.08</u>		
Nitrogen	<u>5.99</u>		<u>GROSS B.T.U. per SCF 988.1 (acid free gas)</u>
Carbon Dioxide	<u>1.94</u>		Calculated @ 14.65 psia, 60°F, moisture and acid - gas free.
Hydrogen Sulphide	-		
Methane	<u>88.83</u>		<u>VAPOR PRESSURE of PENTANES PLUS</u>
Ethane	<u>1.63</u>		(calculated) <u>14.5</u>
Propane	<u>0.86</u>	<u>0.196</u>	
Iso Butane	<u>0.16</u>	<u>0.043</u>	Critical Pressure <u>668.5</u> psia
Normal Butane	<u>0.29</u>	<u>0.076</u>	Critical Temperature <u>349.7</u> °R
Iso Pentane	<u>0.10</u>	<u>0.030</u>	
Normal Pentane	<u>0.06</u>	<u>0.018</u>	Remarks <u>H₂S by Kitagawa 0.0 PPM</u>
Hexanes	<u>0.03</u>	<u>0.010</u>	
Heptanes Plus	<u>0.03</u>	<u>0.011</u>	
Total	<u>100.00</u>	<u>0.384</u>	
Pentanes Plus		<u>0.069</u>	

APPENDIX 'E'

Shell Canada Limited



EXPLORATION & PRODUCTION
NO. 156 EDMONTON, ALBERTA
TELEPHONE 424-0711

March 19, 1969

C O P Y

B. H. J. Thoms
Oil Conservation Engineer
Department of Indian Affairs
and Northern Development
3303 - 33rd Street N.W.,
CALGARY, Alberta

Gentlemen:

Re: Shell H.B. Grumbler G-63

The subject well was abandoned on March 16, 1969, due to insufficient gas reserve and the lack of an economic market. A sour gas bearing reservoir was encountered in the Slave Point formation between driller's depths 1150 and 1283 feet. The recoverable raw gas in this reservoir is estimated to be 1.2 billion standard cubic feet (BCF) per square mile or 1.0 BCF of recoverable gas when processed to normal pipeline specifications. The reservoir is evidently very permeable as gas flow rates as high as 10 million standard cubic feet per day (MMCFPD) were recorded at a surface back-pressure of 50 pounds per square inch.

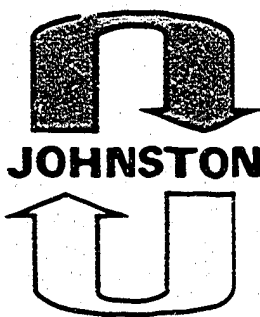
This low pressure gas discovery was too small to attract a major gas trunk line extension but a potential market does exist 50 miles north of the well at the Hay River townsite. Based on an assumed average gas requirement of seven MMCFPD for both heating fuel and power generation, we have estimated the initial capital cost, for the pipeline from the field to the townsite with at least a two well supply system and gas sweetening facilities, to be in the order of \$1,900,000. The required wellhead gas price to yield a marginal rate of return on the capital expenditures, after consideration of operating costs assuming a long term proven gas supply to warrant the expenditures, is clearly not competitive. A 25 year supply at the estimated sales rate amounts to 64 BCF of recoverable sales gas and it is unlikely that the encountered reservoir is sufficiently extensive to contain so much reserve.

It should be noted that the abandoned well could be re-entered and completed as a gas well at a reasonable cost should the market and reserve situation warrant such action.

Yours very truly,
ORIGINAL SIGNED BY
A. M. McLACHLIN

A. M. McLachlin
Manager
Edmonton Division Production

TECHNICAL REPORT



JOHNSTON

SPECIAL DATA ANALYSIS

[illegible]

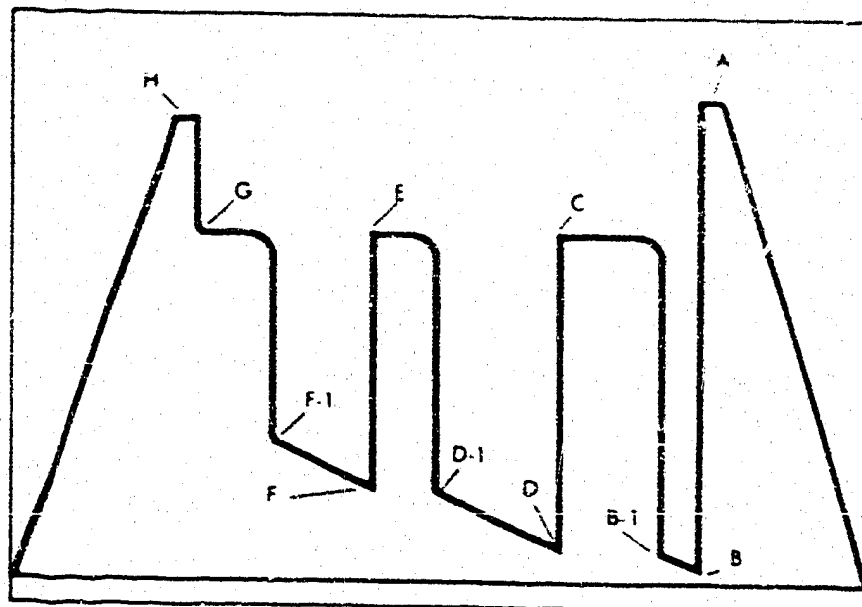
D. 01401		PRESSURE DATA		FLUID SAMPLE REPORT	
INSTRUMENT NO.	AK1-3438	AK1-1454	Sample No.		
CAPACITY WING	3200	5000	Type		
INSTRUMENT DEPTH	1712	1712	Depth	ft.	
INSTRUMENT OPENING	OUTSIDE	OUTSIDE	Volume		
PRESSURE GRADIENT DEPTH					
WELL TEMP °F	72°	72°	Sample Pressure	psi at Surface	
INITIAL HYDROSTATIC	A 820#	820#	Gravity	API (6)	°F
FIRST FLOW	B 81#	81#	Gas Oil Ratio	Cu Ft. bbl.	
0-1	101#	102#			
INITIAL SHUT IN	C 694#	694#	Recovery		
SECOND FLOW	D 136#	139#	Cu Ft. Gas		
0-1	307#	309#	cc Oil		
SECOND SHUT IN	E		cc Water		
THIRD FLOW	F		cc Mud		
FINAL SHUT IN	G 586#	685#	Total Liquid (cc)		
FINAL HYDROSTATIC	H 817#	819#			

REMARKS:

PRESSURE INCREMENTS ON RECORDER AKI-1454

[illegible]

GUIDE TO IDENTIFICATION OF DRILL STEM TEST PRESSURE CHARTS



- 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
- B, B-1, Initial Flow Pressures
- C. Initial Shut-In
- D-1, D-2, D-3, etc. Second Flow Pressures
- E. Second Shut-In
- F, F-1, F-2. Third Flow Pressures
- G, Final Shut-In
- H, Final Hyd. Pressures
- Z — Special pressure points such as pumping pressures recorded for formation breakdown.

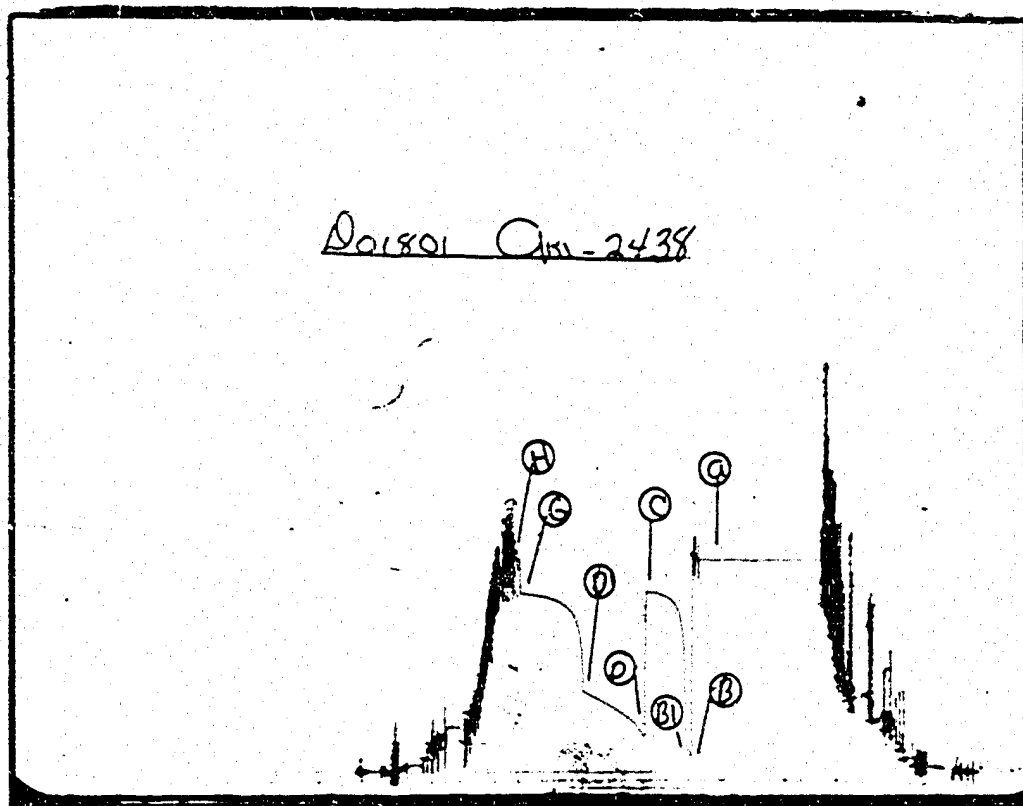


FIELD
REPORT NO.
D 01801

RECORDER NO.
AKI-2438

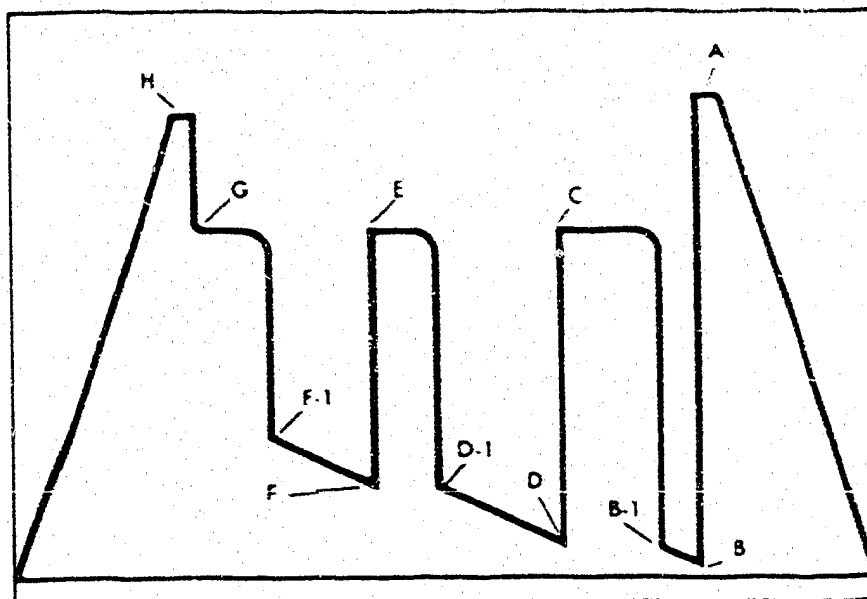
CAPACITY
3200

REPORTS
REQUESTED
5





GUIDE TO IDENTIFICATION OF DRILL STEM TEST PRESSURE CHARTS



- 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
- B, B-1, initial Flow Pressures
- C, Initial Shut-In
- D-1, D-2, D-3, etc. Second Flow Pressures
- E, Second Shut-In
- F, F-1, F-2, Third Flow Pressures
- G, Final Shut-In
- H, Final Hyd. Pressures
- Z — Special pressure prints such as pumping pressures recorded for formation breakdown.



FIELD
REPORT NO

D 01801

RECORDER NO

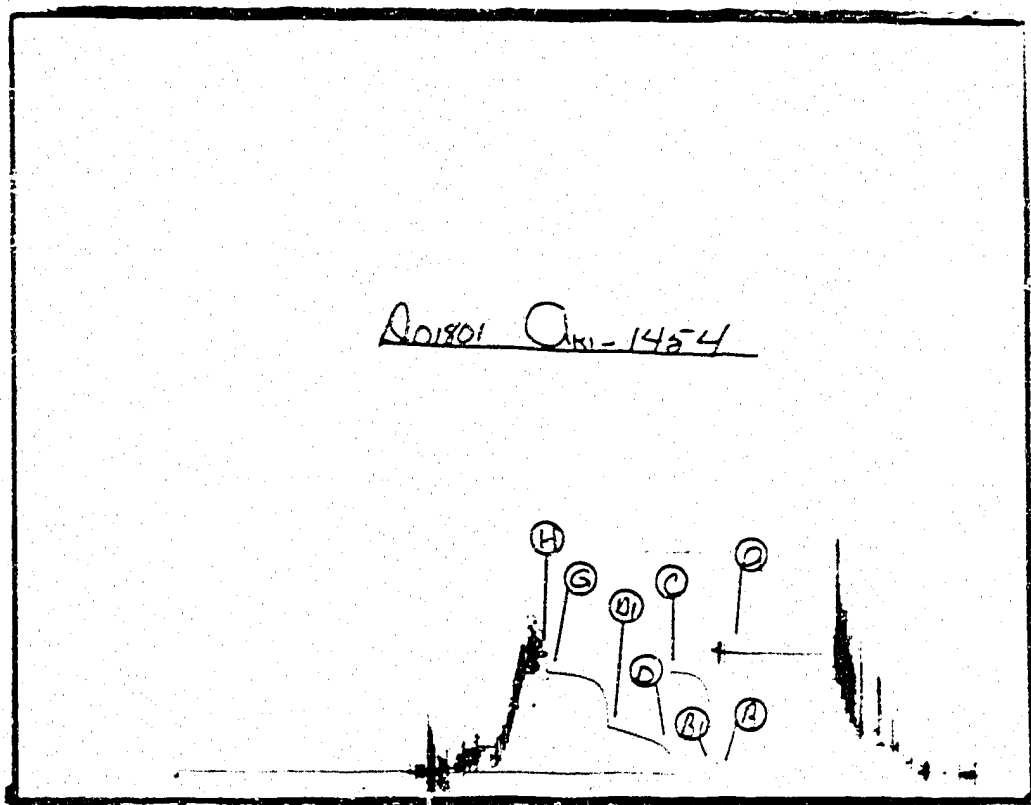
AK1-1454

CAPACITY

5000

REPORTS
REQUESTED

5



C.P. 38 (10/63)		DAILY DRILLING REPORT		REPORT NO.		DATE		March 15/69																													
OPERATOR		SHELL CANADA LIMITED		LOCATION		LSD.		SEC.		TWP.		RGE.		W.		WELL NAME		No.		PROVINCE																	
CONTRACTOR		Redwill		RIG NO.		18		DRILL PIPE STRING NO. SIZE		TOOL JOINT		OD		PUMPS		CASING & LINER RECORD		DEPTH SET		PERFORATIONS		CEMENT USED		OTHER													
OPERATOR'S REPRESENTATIVE		R. M. L.		CONTRACTOR'S TOOL PUSHER		Ken Burgum		NO.		MANUFACTURER		TYPE		STROKE LENGTH		SIZE		WT. & GR.		FROM		TO		FROM		TO											
TIME DISTRIBUTION—HOURS		MORN		DAY		EVE		NO.		DRILLING ASSEMBLY		BIT RECORD		HRS. DRLD.		CORE NO.		FROM		TO		FORMATION (SHOW CORE RECOVERY)		ROTA- RY R.P.M.		WT. ON BIT 1000#		PUMP PRESS.		PUMP NO. 1		PUMP NO. 2		METHOD PUMPS RUN		MUD RECORD	
DRILLING ACTUAL								STANDS DP		FT.		RUN NO.																						TIME			
REAMING								S.NGLS. DP		FT.		SIZE																						WEIGHT			
CIRCULATING								D.C. ID		FT.		MFG.																						VISC			
TRIPS								D.C. OD		FT.		TYPE																						W.L.-C.C.			
DEVIATION SURVEY								D.C. OD		FT.		NOZ. NO.																						FLTR. CK.			
TEST B.O.P								SUBS OD		FT.		SER. NO.																						PH			
CUT OFF DRILL LINE								BIT OR C.B.		FT.		DEPTH OUT																						SD. CONT.			
REPAIR RIG										FT.		CUMULATIVE HOURS RUN																									
CORING								KELLY DOWN		FT.		COND. OF BIT																									
WIRE LINE LOGGING								TOTAL		FT.		REAMER CUTTER NO.																									
OTHER								WT. OF STRING		LBS.		TYPE																									
FISHING								DRILLER																													
COMPLETING (A) PERFORATING								R. Taylor																													
(B) RUNNING TUBING								NO.		DRILLING ASSEMBLY		BIT RECORD		HRS. DRLD.		CORE NO.		FROM		TO		FORMATION (SHOW CORE RECOVERY)		ROTA- RY R.P.M.		WT. ON BIT 1000#		PUMP PRESS.		PUMP NO. 1		PUMP NO. 2		METHOD PUMPS RUN		MUD RECORD	
(C) SWABBING								STANDS DP		FT.		RUN NO.																						TIME			
(D) TESTING								S.NGLS. DP		FT.		SIZE																						WEIGHT			
(E) ACIDIZING								D.C. ID		FT.		MFG.																						VISC			
(F) ADDITIONAL								D.C. OD		FT.		TYPE																						W.L.-C.C.			
TOTALS		8		9		3		RMR BODY OD		FT.		NO																						FLTR. CK.			
TIME SUMMARY (OFFICE USE ONLY)								STB BODY OD		FT.		SIZE																						PH			
CONTRACTOR'S TIME HRS:								SUBS OD		FT.		SER. NO.																						SD. CONT.			
OPERATOR'S TIME:								BIT OR C.B.																													

DATE MARCH 14/69

[illegible]

DATE March 13/69

C.P.-39 (10/63)		DAILY DRILLING REPORT		REPORT NO.		DATE		MARCH 1964																															
OPERATOR		SHELL CANADA LIMITED		LOCATION		LSD.		SEC.		TWP.		RGE.		W.		WELL NAME		No.		PROVINCE																			
CONTRACTOR		RIG No.		DRILL PIPE STRING NO.		TOOL JOINT		OD		PUMPS		CASING & LINER RECORD		SIZE		WT. & GR.		DEPTH SET FROM TO		PERFORATIONS FROM TO		CEMENT USED		OTHER															
OPERATOR'S REPRESENTATIVE		CONTRACTOR'S TOOL PUSHER		NO.		MANUFACTURER		TYPE		STROKE LENGTH		1.		2.		3.																							
TIME DISTRIBUTION—HOURS		MORN		DAY		EVE		NO.		DRILLING ASSEMBLY		BIT RECORD		HRS. DRLD.		CORE NO.		FROM		TO		FORMATION (SHOW CORE RECOVERY)		ROTA- RY R.P.M.		WT.ON BIT 1000#		PUMP PRESS.		PUMP NO. 1 LINER SIZE S.P.M.		PUMP NO. 2 LINER SIZE S.P.M.		METHOD PUMPS RUN		MUD RECORD			
DRILLING ACTUAL								STANDS DP		FT.		RUN NO.																								TIME			
REAMING								SNGLS. DP		FT.		SIZE																								WEIGHT			
CIRCULATING								D.C. ID		FT.		MFG.																								VISC			
TRIPS								RMR BODY OD		FT.		NO.																								W.L.C.C.			
DEVIATION SURVEY (NEW CITY) 3								STB BODY OD		FT.		NOZ.		SIZE																						FLTR. CK.			
TEST B.O.P								SUBS OD		FT.		SER. NO.																								PH			
CUT OFF DRILL LINE								BIT OR C.B.		FT.		DEPTH OUT																								SD. CONT.			
REPAIR RIG										FT.		CUMULATIVE HOURS RUN																											
CORING								KELLY DOWN		FT.		COND. OF BIT																											
WIRE LINE LOGGING								TOTAL		FT.		REAMER CUTTER NO.																											
OTHER								WT. OF STRING		LBS.		TYPE																											
FISHING								DRILLER																															
COMPLETING (A) PERFORATING								NO.		DRILLING ASSEMBLY		BIT RECORD		HRS. DRLD.		CORE NO.		FROM		TO		FORMATION (SHOW CORE RECOVERY)		ROTA- RY R.P.M.		WT.ON BIT 1000#		PUMP PRESS.		PUMP NO. 1 LINER SIZE S.P.M.		PUMP NO. 2 LINER SIZE S.P.M.		METHOD PUMPS RUN		MUD RECORD			
(B) RUNNING TUBING								STANDS DP		FT.		RUN NO.																								TIME			
(C) SWABBING								SNGLS. DP		FT.		SIZE																								WEIGHT			
(D) TESTING								D.C. ID		FT.		MFG.																								VISC			
(E) ACIDIZING								RMR BODY OD		FT.		NO.																								W.L.C.C.			
(F) ADDITIONAL								STB BODY OD		FT.		NOZ.		SIZE																						FLTR. CK.			
TOTALS								SUBS OD		FT.		SER. NO.																								PH			
TIME SUMMARY (OFFICE USE ONLY)								BIT OR C.B.		FT.		DEPTH OUT																								SD. CONT.			
CONTRACTOR'S TIME HRS:										FT.		CUMULATIVE HOURS RUN</																											

DAILY DRILLING REPORT

REPORT NO.

DATE

March 12, 1967

OPERATOR		LOCATION		LSD.	SEC.	TWP.	RGE.	W.	WELL NAME	No.	PROVINCE			
SHELL CANADA LIMITED		Lat 40° 12' 28" Long 76° 57' 10" W							Shell H.B. Crumblers	G. 63	N.W.T.			
CONTRACTOR		RIG No.	DRILL PIPE STRING NO. & SIZE	TOOL JOINT	OD	PUMPS		CASING & LINER RECORD	SIZE	WT. & GR.	DEPTH SET FROM TO	PERFORATIONS FROM TO	CEMENT USED	OTHER
Radwell Drilling Co.		19												
OPERATOR'S REPRESENTATIVE		CONTRACTOR'S TOOL PUSHER												
R. Miller		K. J. Bergman												
TIME DISTRIBUTION—HOURS		MORNING TOUR												
DRILLING ACTUAL														
REAMING														
CIRCULATING		3 1/4												
TRIPS		3 1/4												
DEVIATION SURVEY														
TEST B.O.P.														
CUT OFF DRILL LINE														
REPAIR RIG														
CORING														
WIRE LINE LOGGING		8 3/4												
OTHER														
FISHING														
COMPLETING (A) PERFORATING														
(B) RUNNING TUBING														
(C) SWABBING														
(D) TESTING														
(E) ACIDIZING														
(F) ADDITIONAL														
TOTALS		8 3/4												
TIME SUMMARY (OFFICE USE ONLY)														
CONTRACTOR'S TIME HRS.														
OPERATOR'S TIME:														
HRS. W/D.P.														
HRS. WO/D.P.														
HRS. STANDBY														
WIRE LINE RECORD														
REEL NO														
NO. OF LINES		SIZE												
FEET SLIPPED														
FEET CUT OFF														
PRESENT LENGTH														
TON MI. or TRIPS SINCE LAST CUT														
CUMULATIVE TON MI. or TRIPS														
NO. OF DAYS FROM SPUD														
CUMULATIVE ROTATING HRS.														
EVENING TOUR														
NO. DRILLING ASSEMBLY		BIT RECORD												
STANDS DP		FT. RUN NO.												
SNGLS. DP		FT. SIZE												
D.C. ID		MFG.												
OD		FT. TYPE												
RMR BODY OD		FT. NO. NO.												
STB BODY OD		FT. NO. SIZE												
SUBS OD		FT. SER. NO.												
BIT OR C.B.		FT. DEPTH OUT												
KELLY DOWN		FT. CUMULATIVE HOURS RUN												
TOTAL		FT. COND. OF BIT												
WT. OF STRING		LBS. REAMER CUTTER NO.												
DRILLER		TYPE												
R. Taylor														
NO. DRILLING ASSEMBLY		BIT RECORD												
STANDS DP		FT. RUN NO.												
SNGLS. DP		FT. SIZE												
D.C. ID		MFG.												
OD		FT. TYPE												
RMR BODY OD		FT. NO. NO.												
STB BODY OD		FT. NO. SIZE												
SUBS OD		FT. SER. NO.												
BIT OR C.B.		FT. DEPTH OUT												
KELLY DOWN		FT. CUMULATIVE HOURS RUN												
TOTAL		FT. COND. OF BIT												
WT. OF STRING		LBS. REAMER CUTTER NO.												
DRILLER		TYPE												
B. Sitaro														
NO. DRILLING ASSEMBLY		BIT RECORD												
STANDS DP		FT. RUN NO.												
SNGLS. DP		FT. SIZE												
D.C. ID		MFG.												
OD		FT. TYPE												
RMR BODY OD		FT. NO. NO.												
STB BODY OD		FT. NO. SIZE												
SUBS OD		FT. SER. NO.												
BIT OR C.B.		FT. DEPTH OUT												
KELLY DOWN		FT. CUMULATIVE HOURS RUN												
TOTAL		FT. COND. OF BIT												
WT. OF STRING		LBS. REAMER CUTTER NO.												
DRILLER		TYPE												
B. Sitaro														
NO. DRILLING ASSEMBLY		BIT RECORD												
STANDS DP		FT. RUN NO.												
SNGLS. DP		FT. SIZE												
D.C. ID		MFG.												
OD		FT. TYPE												
RMR BODY OD		FT. NO. NO.												
STB BODY OD		FT. NO. SIZE												
SUBS OD		FT. SER. NO.												
BIT OR C.B.		FT. DEPTH OUT												
KELLY DOWN		FT. CUMULATIVE HOURS RUN												
TOTAL		FT. COND. OF BIT												
WT. OF STRING		LBS. REAMER CUTTER NO.												
DRILLER		TYPE												
B. Sitaro														

LOGGING HOLE.

8-11" Logging hole.

10-12" Make sp. bit & sub. running Dist. Collars.

12" Run in Drill Pipe - Pipe Displacement over top

1" Hanging up at approx 2150' Hook up and circ.

WORK PIPE THROUGH TIGHT AREA

FINISH RUNNING IN AND TAB BOTTOM

2" Pull out of hole

3-30" Rig up loggers and log

100m Logging

95' Wait on Velocity Survey

95' Rig up Velocity Equip

TAKE ONE AT 1847' JUST BELOW CASING

12" AND ONE IN CASING

OPERATOR SHELL CANADA LIMITED	LOCATION LSD. SEC. TWP. RGE. W. Rt 60° 12' 28" 115° 57' 10" 85	WELL NAME Shell H.B. Grumbler	No. G.63	PROVINCE N.W.T.
CONTRACTOR Radwell Drilling Co	RIG No. 18	DRILL PIPE NO. SIZE TOOL JOINT TYPE THD.	PUMPS NO. MANUFACTURER TYPE STROKE LENGTH 1. Gardner Denver F.X.C 10 2. 3.	CASING & LINER RECORD SIZE WT. & GR. DEPTH SET FROM TO PERFORATIONS FROM TO 5 15.55 K-8 1546
OPERATOR'S REPRESENTATIVE R.W. Miller	CONTRACTOR'S TOOL PUSHER H. Bergeron	CEMENT 375 OTHER 1 1/2 % Calcium Chromide		

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
DRILLING ACTUAL	7 1/2	8	
REAMING			
CIRCULATING CON. MUD TRIPS	4		
DEVIATION SURVEY			
TEST B.O.P.			
CUT OFF DRILL LINE			
REPAIR RIG			
CORING			
WIRE LINE LOGGING			
OTHER	0		
FISHING			

COMPLETING (A) PERFORATING	
(B) RUNNING TUBING	
(C) SWABBING	
(D) TESTING	
(E) ACIDIZING	
(F) ADDITIONAL	
TOTALS	8

TIME SUMMARY (OFFICE USE ONLY)

CONTRACTOR'S TIME HRS.	
OPERATOR'S TIME:	
HRS. W/D.P.	
HRS. WO/D.P.	
HRS. STANDBY	

WIRE LINE RECORD

REEL NO	
NO OF LINES 7 SIZE 1"	
FEET CLIPPED	
FEET CUT OFF	
PRESENT LENGTH	
TON MI. OF TRIPS SINCE LAST CUT	
CUMULATIVE TON MI. OF TRIPS	
NO. OF DAYS FROM SPUD	
CUMULATIVE ROTATING HRS.	

MORNING TOUR

DAY TOUR

EVENING TOUR

NO.	DRILLING ASSEMBLY	BIT RECORD	HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTA- RY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE S.P.M.	PUMP NO. 2 LINER SIZE S.P.M.	METHOD PUMPS RUN	MUD RECORD TIME
34	STANDS DP	FT. RUN NO. 2												12:00 3:00 6:00
1	SNGLS. DP	2090-64 FT. SIZE 4 3/16	7 1/2		2420	2440			135	8	850	4" 60		WEIGHT 9.4 9.3 9.2
	D.C. ID	MFG. CHRIS												VISC 39 42 44
11	3 1/2 OD	331.10 FT. TYPE 100235												W.L.-C.C. 10
	RMR BODY OD	FT. NO. NO.												FLTR. CK. 7/32
	STB BODY OD	FT. NO. NO.												PH 9.5
	SUBS OD	FT. SER. NO. EC2929												SD. CONT.
	BIT OR C.B.	FT. DEPTH OUT 10												
		FT. CUMULATIVE HOURS RUN 157 1/2												
	KELLY DOWN	18.2 FT. COND. OF BIT 10												
	TOTAL	2440 FT. REAMER CUTTER NO.												
	WT. OF STRING	21,600 LBS. TYPE												
	DRILLER													

NO.	DRILLING ASSEMBLY	BIT RECORD	HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTA- RY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE S.P.M.	PUMP NO. 2 LINER SIZE S.P.M.	METHOD PUMPS RUN	MUD RECORD TIME
	STANDS DP	FT. RUN NO. 2												12:00 3:00
	SNGLS. DP	FT. SIZE 4 3/16	8		2440	2464								WEIGHT 9.4 9.4
	D.C. ID	MFG. CHRIS												VISC 37 38
	OD	FT. TYPE 100235												W.L.-C.C. 8.2
	RMR BODY OD	FT. NO. NO.												FLTR. CK. 2/32
	STB BODY OD	FT. NO. NO.												PH
	SUBS OD	FT. SER. NO. EC2929												SD. CONT.
	BIT OR C.B.	FT. DEPTH OUT												
		FT. CUMULATIVE HOURS RUN 155 1/2												
	KELLY DOWN	FT. COND. OF BIT												
	TOTAL	FT. REAMER CUTTER NO.												
	WT. OF STRING	LBS. TYPE												
	DRILLER													

NO.	DRILLING ASSEMBLY	BIT RECORD	HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTA- RY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE S.P.M.	PUMP NO. 2 LINER SIZE S.P.M.	METHOD PUMPS RUN	MUD RECORD TIME
35	STANDS DP	2120.98 FT. RUN NO.												
1	SNGLS. DP	2937 FT. SIZE 4 3/16												WEIGHT
	D.C. ID	MFG. CHRIS												VISC
11	3 1/2 OD	331.10 FT. TYPE 100235												W.L.-C.C.
	RMR BODY OD	FT. NO. NO.												FLTR. CK.
	STB BODY OD	FT. NO. NO.												PH
	SUBS OD	FT. SER. NO. EC2929												SD. CONT.
	BIT OR C.B.	FT. DEPTH OUT												
		FT. CUMULATIVE HOURS RUN 159												
	KELLY DOWN	FT. COND. OF BIT												
	TOTAL	2469 FT. REAMER CUTTER NO.												
	WT. OF STRING	2000 LBS. TYPE												
	DRILLER													

Bill Litama

[illegible]

OPERATOR SHELL CANADA LIMITED		LOCATION LSD. LNT 60		SEC. 12		TWP. 8		RGE. 76		W. 115		WELL NAME H.B. Grumblers		No. G-63		PROVINCE N.W.T.																	
CONTRACTOR Redwell		RIG No. 18		DRILL PIPE STRING NO. SIZE 2 7/8		TOOL JOINT TYPE THD. HY 1 1/2		PUMPS		CASING & LINER RECORD		SIZE 5		WT. & GR. 15.55		DEPTH SET K.B. 1546		PERFORATIONS FROM TO		CEMENT USED 375		OTHER 1 1/2% Calcium Chloride											
OPERATOR'S REPRESENTATIVE H. Henshall		CONTRACTOR'S TOOL PUSHER K.A.B.		NO.		MANUFACTURER GARDNER DENVER.		TYPE F.X.O.		STROKE LENGTH 10"																							
TIME DISTRIBUTION—HOURS		NO.		DRILLING ASSEMBLY		BIT RECORD		HRS. DRLD.		CORE NO.		FROM		TO		FORMATION (SHOW CORE RECOVERY)		ROTA- RY R.P.M.		WT. ON BIT 1000#		PUMP PRESS.		PUMP NO. 1		PUMP NO. 2		METHOD PUMPS RUN		MUD RECORD			
MORN DAY EVE		30		STANDS DP 181743T.		RUN NO.																								TIME 12 ⁰⁰ 3 ³⁰ 7 ⁰⁰			
DRILLING ACTUAL 5 1/2 1/2 8		1		SNGLS. DP		FT. SIZE 4 3/16						2148.53		2165				150		7		1000		4"		52				WEIGHT 9.5 9.1 9.8			
REAMING		11		D.C. 2 1/8 ID		MFG. CHRIS																						VISC 37 35 36					
CIRCULATING 2 1/2 5				3 1/2 OD 331.10 FT.		TYPE 100235																						W.L.-C.C. 10 11/30					
TRIPS				RMR BODY OD		FT. NO. NO.																						FLTR. CK.					
DEVIATION SURVEY				STB BODY OD		FT. NO. SIZE						2148.53																PH 10 10					
TEST B.O.P.				SUBS OD		FT. SER. NO. EC2929																						SD. CONT.					
CLY OFF DRILL LINE				BIT OR C.B.		FT. DEPTH OUT						12 ⁰⁰																					
REPAIR RIG						FT. CUMULATIVE HOURS RUN 7 1/2						1235																					
CORING				KELLY DOWN 17		FT. COND. OF BIT						320																					
WIRE LIL & LOGGING				TOTAL 216543		FT. REAMER CUTTER NO.						320																					
OTHER (Map 2-1-5-1/2)				WT. OF STRING 18000		LBS. TYPE						8 ⁰⁰																					
FISHING				DRILLER																													
COMPLETING (A) PERFORATING				Hally Rose																													
(B) RUNNING TUBING				NO.		DRILLING ASSEMBLY		BIT RECORD		HRS. DRLD.		CORE NO.		FROM		TO		FORMATION (SHOW CORE RECOVERY)		ROTA- RY R.P.M.		WT. ON BIT 1000#		PUMP PRESS.		PUMP NO. 1		PUMP NO. 2		METHOD PUMPS RUN		MUD RECORD	
(C) SWABBING				30		STANDS DP		FT. RUN NO.																						TIME 8 ⁰⁰ 12 ⁰⁰ 3 ⁰⁰			
(D) TESTING				1		SNGLS. DP 1847.85T.		SIZE 4 3/16						2165		2184.95				150		7 1/2		1000		4"		54		WEIGHT 9.2 9.3 9.3			
(E) ACIDIZING				11		D.C. 2 1/8 ID		MFG. CHRIS																						VISC 36 34 34			
(F) ADDITIONAL				3 1/2 OD 331.10 FT.		TYPE 100235																								W.L.-C.C. 10 9			
TOTALS 8 8 8				RMR BODY OD		FT. NO. NO.																								FLTR. CK. 2/10			
TIME SUMMARY (OFFICE USE ONLY)				STB BODY OD		FT. NO. SIZE																								PH 10			
CONTRACTOR'S TIME HRS:				SUBS OD		FT. SER. NO. EC2929						8 ⁰⁰																		SD. CONT.			
OPERATOR'S TIME:				BIT OR C.B.		FT. DEPTH OUT																											

DAILY DRILLING REPORT

REPORT NO. 11

DATE March 6/69

OPERATOR		LOCATION		SEC.		TWP.		RGE.		W.		WELL NAME		No.		PROVINCE	
SHELL CANADA LIMITED		LAT 60° 12' 28"		115° 57' 10.89"		43° 11'		115° 57' 10.89"		W.		Shell H-B Grumbler G-63		G-63		N-W-T	
CONTRACTOR		RIG No.		DRILL PIPE STRING NO. SIZE		TOOL JOINT		PUMPS		CASING & LINER		SIZE		WT. & GR.		DEPTH SET	
Redwell		18		2 7/8 OD		TYPE THD.		MANUFACTURER		TYPE		STROKE LENGTH		5		15.155 KB 1546	
OPERATOR'S REPRESENTATIVE		CONTRACTOR'S TOOL PUSHER		NO.		1.		2.		3.		1.		2.		3.	
H. Henshall		K. Brown		1.		2.		3.		1.		2.		3.		1.	
TIME DISTRIBUTION—HOURS		NO.		DRILLING ASSEMBLY		BIT RECORD		HRS. DRLD.		CORE NO.		FROM		TO		FORMATION (SHOW CORE RECOVERY)	
DRILLING ACTUAL		28		STANDS DP 1725.86 FT.		RUN NO. 2		150		7		1000		4" 52		PUMP NO. 1	
REAMING		11		D.C. 2 7/8 ID 3 1/2 OD 331.19 FT.		MFG. CHRIS		1235		2030		2075		150		7	
CIRCULATING		3/4		RMR BODY OD		FT. NO.		NOZ.		SIZE		DEPTH		DEV.		DIRECTION	
TRIPS		3/4		STB BODY OD		FT. NO.		NOZ.		SIZE		DEPTH		DEV.		DIRECTION	
DEVIATION SURVEY		3/4		SUBS OD		FT. SER. NO.		1235		2030		2075		150		7	
TEST B.O.P.		3/4		BIT OR C.B.		FT. DEPTH OUT		1235		2030		2075		150		7	
CUT OFF DRILL LINE		3/4		CUMULATIVE HOURS RUN		52		1235		2030		2075		150		7	
REPAIR RIG		3/4		KELLY DOWN		20 FT.		COND. OF BIT		3.00		Comenced Drilling from 2035 taking 10' Samples		3.00		Comenced Drilling from 2035 taking 10' Samples	
CORING		3/4		TOTAL		2035.86 FT.		REAMER CUTTER NO.		8.00		to 8.00 am @ 2075.		8.00		to 8.00 am @ 2075.	
WIRE LINE LOGGING		3/4		WT. OF STRING		LBS.		TYPE		-		-		-		-	
OTHER		3/4		DRILLER		Wally Rose.		-		-		-		-		-	
FISHING		3/4		NO.		DRILLING ASSEMBLY		BIT RECORD		HRS. DRLD.		CORE NO.		FROM		TO	
COMPLETING (A) PERFORATING		3/4		29		STANDS DP 1725.86 FT.		RUN NO. 2		150		7		1000		4" 56	
(B) RUNNING TUBING		3/4		1		SNGLS. DP 2 7/8 ID 3 1/2 OD 331.19 FT.		MFG. CHRIS		1235		2075		2100		150	
(C) SWABBING		3/4		11		D.C. 2 7/8 ID 3 1/2 OD 331.19 FT.		MFG. CHRIS		1235		2075		2100		150	
(D) TESTING		3/4		RMR BODY OD		FT. NO.		NOZ.		SIZE		DEPTH		DEV.		DIRECTION	
(E) ACIDIZING		3/4		STB BODY OD		FT. NO.		NOZ.		SIZE		DEPTH		DEV.		DIRECTION	
(F) ADDITIONAL		3/4		SUBS OD		FT. SER. NO.		1235		2075		2100		150		7	
TOTALS		3/4		BIT OR C.B.		FT. DEPTH OUT		1235		2075		2100		150		7	
TIME SUMMARY (OFFICE USE ONLY)		3/4		CUMULATIVE HOURS RUN		40		1235		2075		2100		150		7	
CONTRACTOR'S TIME HRS.		3/4		KELLY DOWN		13.04 FT.		COND. OF BIT		12.00		Drilling 4 3/16 hole w/ Diamond Bit from 2075-2100'		12.00		Drilling 4 3/16 hole w/ Diamond Bit from 2075-2100'	
OPERATOR'S TIME:		3/4		TOTAL		2100 FT.		REAMER CUTTER NO.		12.00		Taking 10' Samples		12.00		Drilling 4 3/16	
HRS. W/D.P.:		3/4		WT. OF STRING		18000 LBS.		TYPE		-		-		-		-	
HRS. WO/D.P.:		3/4		DRILLER		Wally Rose & Sitama		-		-		-		-		-	
HRS. STANDBY:		3/4		NO.		DRILLING ASSEMBLY		BIT RECORD		HRS. DRLD.		CORE NO.		FROM		TO	
WIRE LINE RECORD		3/4		30		STANDS DP 1817.43 FT.		RUN NO. 2		114		2100		2148.53		150	
REEL NO		3/4		1		SNGLS. DP 2 7/8 ID 3 1/2 OD 331.10 FT.		MFG. CHRIS		100235		4 3/16		COND. H40		9 1/2	
NO. OF LINES 4 SIZE 1"		3/4		11		D.C. 2 7/8 ID 3 1/2 OD 331.10 FT.		MFG. CHRIS		100235		4 3/16		COND. H40		9 1/2	
FEET SLIPPED		3/4		RMR BODY OD		FT. NO.		NOZ.		SIZE		DEPTH		DEV.		DIRECTION	
FEET CUT OFF		3/4		STB BODY OD		FT. NO.		NOZ.		SIZE		DEPTH		DEV.		DIRECTION	
PRESENT LENGTH		3/4		SUBS OD		FT. SER. NO.		100235		4 3/16		COND. H40		9 1/2		DATE	
TON MI. OF TRIPS SINCE LAST CUT		3/4		BIT OR C.B.		FT. DEPTH OUT		100235		4 3/16		COND. H40		9 1/2		DATE	
CUMULATIVE TON MI. OF TRIPS		3/4		CUMULATIVE HOURS RUN		67 1/4		100235		4 3/16		COND. H40		9 1/2		DATE	
NO. OF DAYS FROM SPUD		3/4		KELLY DOWN		2148.53 FT.		COND. OF BIT		9 1/2		DATE		9 1/2		DATE	
CUMULATIVE ROTATING HRS.		3/4		TOTAL		2148.53 FT.		REAMER CUTTER NO.		9 1/2		DATE		9 1/2		DATE	
76 1/2		3/4		WT. OF STRING		19000 LBS.		TYPE		-		-		-		-	
		3/4		DRILLER		Bill Sitama		-		-		-		-		-	

OPERATOR SHELL CANADA LIMITED		CONTRACTOR REDWELL		RIG NO. 18		DRILL PIPE NO. SIZE		TOOL JOINT		OD		TWP. RGE. W.		WELL NAME SHELL H.B GRUMBLER G-63		No. G-63		PROVINCE N.W.T.													
OPERATOR'S REPRESENTATIVE J.H. Henshall		CONTRACTOR'S TOOL PUSHER H.B. Grumbler		PUMPS		CASING & LINER RECORD		SIZE		WT. & GR.		DEPTH SET FROM TO		PERFORATIONS FROM TO		CEMENT USED		OTHER													
TIME DISTRIBUTION—HOURS		NO. DRILLING ASSEMBLY		BIT RECORD		HRS. DRLD.		CORE NO.		FROM		TO		FORMATION (SHOW CORE RECOVERY)		ROTA- RY R.P.M.		WT. ON BIT 1000#		PUMP PRESS.		PUMP NO. 1 LINER SIZE S.P.M.		PUMP NO. 2 LINER SIZE S.P.M.		METHOD PUMPS RUN		MUD RECORD			
DRILLING ACTUAL 5 3/4 8 5 1/2		26 STANDS DP 1572.35 FT.		RUN NO.		5 3/4				1845		1903.45				95		7		1100		4" 58						TIME 12:05 2:00 4:00			
REAMING		11 D.C. 2 1/2 ID 3 3/4 OD 331.10 FT.		MFG. CHRIS																								WEIGHT 9.3 9.3 9.3			
CIRCULATING		RMR BODY OD		FT.		NOZ.		NO.		DEVIATION RECORD:		DEPTH		DEV.		DIRECTION		DEPTH		DEV.		DIRECTION		DEPTH		DEV.		DIRECTION		VISC 45 46 47	
TRIPS		STB BODY OD		FT.		NOZ.		SIZE																				W.L.C.C.			
DEVIATION SURVEY		SUBS OD		FT.		SER. NO.																						FLTR. CK.			
TEST B.O.P		BIT OR C.B.		FT.		DEPTH OUT																						PH 10 10			
CUT OFF DRILL LINE		KELLY DOWN		FT.		COND. OF BIT																						SD. CONT.			
REPAIR RIG 2 1/4 2 1/4		TOTAL 1903.45 FT.		REAMER CUTTER NO.																											
CORING		WT. OF STRING 18000 LBS.		TYPE																											
WIRE LINE LOGGING		DRILLER																													
OTHER		Hally Rose.																													
FISHING		NO. DRILLING ASSEMBLY		BIT RECORD		HRS. DRLD.		CORE NO.		FROM		TO		FORMATION (SHOW CORE RECOVERY)		ROTA- RY R.P.M.		WT. ON BIT 1000#		PUMP PRESS.		PUMP NO. 1 LINER SIZE S.P.M.		PUMP NO. 2 LINER SIZE S.P.M.		METHOD PUMPS RUN		MUD RECORD			
COMPLETING (A) PERFORATING		26 STANDS DP		FT.		RUN NO.				1903.45		1934.25				95		7		1000		4" 56						TIME 6:00 8:00 10:00			
(B) RUNNING TUBING		11 D.C. 2 1/2 ID 3 3/4 OD 331.10 FT.		MFG. CHRIS																								WEIGHT 9.3 9.4			
(C) SWABBING		RMR BODY OD		FT.		NOZ.		NO.		DEVIATION RECORD:		DEPTH		DEV.		DIRECTION		DEPTH		DEV.		DIRECTION		DEPTH		DEV.		DIRECTION		VISC 47 46	
(D) TESTING		STB BODY OD		FT.		NOZ.		SIZE																				W.L.C.C.			
(E) ACIDIZING		SUBS OD		FT.		SER. NO.																						FLTR. CK.			
(F) ADDITIONAL		BIT OR C.B.		FT.		DEPTH OUT																						PH 10			
TOTALS 8 8 8		KELLY DOWN		FT.		COND. OF BIT																						SD. CONT.			
TIME SUMMARY (OFFICE USE ONLY)		TOTAL 1934.25 FT.		REAMER CUTTER NO.																											
CONTRACTOR'S TIME HRS.		WT. OF STRING		LBS.		TYPE																									
OPERATOR'S TIME:		DRILLER																													
HRS. W/D.P.:		Hally Rose.																													
HRS. WO/D.P.:		NO. DRILLING ASSEMBLY		BIT RECORD		HRS. DRLD.		CORE NO.		FROM		TO		FORMATION (SHOW CORE RECOVERY)		ROTA- RY R.P.M.		WT. ON BIT 1000#		PUMP PRESS.		PUMP NO. 1 LINER SIZE S.P.M.		PUMP NO. 2 LINER SIZE S.P.M.		METHOD P					

OPERATOR SHELL CANADA LIMITED		LOCATION LST 60° 12' SEC.		TWP. 76		RGE. W.		WELL NAME SHELL H-B Grumbler		No. G-63		PROVINCE N.W.T.																					
CONTRACTOR REDWELL		RIG No. 18		DRILL PIPE STRING NO. SIZE 1 7/8		TOOL JOINT TYPE THD # 4 DRILL		PUMPS MANUFACTURER GARDNER DENVER		TYPE FXO		STROKE LENGTH 10		CASING & LINER RECORD		SIZE		WT. & GR.		DEPTH SET FROM TO		PERFORATIONS FROM TO		CEMENT USED		OTHER							
OPERATOR'S REPRESENTATIVE J.P. Marshall		CONTRACTOR'S TOOL PUSHER H.B. Grumbler		NO.		MANUFACTURER		TYPE		STROKE LENGTH		CASING & LINER RECORD		SIZE		WT. & GR.		DEPTH SET FROM TO		PERFORATIONS FROM TO		CEMENT USED		OTHER									
TIME DISTRIBUTION—HOURS		MORN DAY EVE		NO.		DRILLING ASSEMBLY		BIT RECORD		HRS. DRLD.		CORE NO.		FROM		TO		FORMATION (SHOW CORE RECOVERY)		ROTA- RY R.P.M.		WT. ON BIT 1000#		PUMP PRESS.		PUMP NO. 1 LINER SIZE S.P.M.		PUMP NO. 2 LINER SIZE S.P.M.		METHOD PUMPS RUN		MUD RECORD	
DRILLING ACTUAL		8 1/2		1		STANDS DP 133 1/2 FT.		RUN NO. EC-2929		1667		1742		FORMATION (SHOW CORE RECOVERY)		95		7000		900		4"		80		TIME		12:02		2:08 AM		4:00	
REAMING		1 1/4		11		D.C. 3 1/2 ID 332.10 FT.		MFG. CHRISTENSEN		1667		1742		FORMATION (SHOW CORE RECOVERY)		95		7000		900		4"		80		WEIGHT		8.9		8.8		8.8	
CIRCULATING		1 1/4		11		D.C. 3 1/2 OD 332.10 FT.		MFG. CHRISTENSEN		1667		1742		FORMATION (SHOW CORE RECOVERY)		95		7000		900		4"		80		VISC		37		37		36	
TRIPS		1/4		11		RMR BODY OD FT.		NO. NO.		1667		1742		FORMATION (SHOW CORE RECOVERY)		95		7000		900		4"		80		W.L.C.C.							
DEVIATION SURVEY		1/4		11		STB BODY OD FT.		NO. NO.		1667		1742		FORMATION (SHOW CORE RECOVERY)		95		7000		900		4"		80		FLTR. CK.							
TEST B.O.P.				11		SUBS OD FT.		SER. NO.		1667		1742		FORMATION (SHOW CORE RECOVERY)		95		7000		900		4"		80		PH		9.5		9.5		9.5	
CUT OFF DRILL LINE				11		BIT OR C.B. FT.		DEPTH OUT		1667		1742		FORMATION (SHOW CORE RECOVERY)		95		7000		900		4"		80		SD. CONT.							
REPAIR RIG		1 1/4		11		KELLY DOWN FT.		COND. OF BIT		1667		1742		FORMATION (SHOW CORE RECOVERY)		95		7000		900		4"		80		MUD & CHEMICALS ADDED							
CORING				11		TOTAL 1667.46 FT.		REAMER CUTTER NO.		1667		1742		FORMATION (SHOW CORE RECOVERY)		95		7000		900		4"		80		TYPE		AMT.		TYPE		AMT.	
WIRE LINE LOGGING				11		WT. OF STRING 16,000 LBS.		TYPE		1667		1742		FORMATION (SHOW CORE RECOVERY)		95		7000		900		4"		80									
OTHER				11		DRILLER				1667		1742		FORMATION (SHOW CORE RECOVERY)		95		7000		900		4"		80									
FISHING				11		Hally Rose				1667		1742		FORMATION (SHOW CORE RECOVERY)		95		7000		900		4"		80									
COMPLETING (A) PERFORATING				11		NO.		DRILLING ASSEMBLY		HRS. DRLD.		CORE NO.		FROM		TO		FORMATION (SHOW CORE RECOVERY)		ROTA- RY R.P.M.		WT. ON BIT 1000#		PUMP PRESS.		PUMP NO. 1 LINER SIZE S.P.M.		PUMP NO. 2 LINER SIZE S.P.M.		METHOD PUMPS RUN		MUD RECORD	
(B) RUNNING TUBING				11		STANDS DP 1 FT.		RUN NO.		1742		1770		FORMATION (SHOW CORE RECOVERY)		95		7000		1000		4"		60		TIME		6:00 AM		8:00 AM		10:00 AM	
(C) SWABBING				11		D.C. 3 1/2 ID 331.10 FT.		MFG.		1742		1770		FORMATION (SHOW CORE RECOVERY)		95		7000		1000		4"		60		WEIGHT		8.8		8.8		8.8	
(D) TESTING				11		D.C. 3 1/2 OD 331.10 FT.		MFG.		1742		1770		FORMATION (SHOW CORE RECOVERY)		95		7000		1000		4"		60		VISC		36		36		35	
(E) ACIDIZING				11		RMR BODY OD FT.		NO. NO.		1742		1770		FORMATION (SHOW CORE RECOVERY)		95		7000		1000		4"		60		W.L.C.C.							
(F) ADDITIONAL				11		STB BODY OD FT.		NO. NO.		1742																							

SPERSENF 12516

OPERATOR SHELL CANADA LIMITED		LOCATION LSD. 12' SEC. 28		TWP. RGE. W. 115° 57' 19.5" W. 1855'		WELL NAME SHELL H.B. GRUMBLE.		No. 6-63		PROVINCE N.W.T.																							
CONTRACTOR Redwell		RIG NO. 18		DRILL PIPE STRING NO. SIZE		TOOL JOINT OD		PUMPS		CASING & LINER RECORD		SIZE WT. & GR.		DEPTH SET FROM TO		PERFORATIONS FROM TO		CEMENT USED		OTHER													
OPERATOR'S REPRESENTATIVE H. Marshall		CONTRACTOR'S TOOL PUSHER K. J. Dugan		NO.		MANUFACTURER		TYPE		STROKE LENGTH		5' 15" J-55		K.B. 1546				375' 1 1/2% CACI ₂															
TIME DISTRIBUTION—HOURS		NO.		DRILLING ASSEMBLY		BIT RECORD		HRS. DRLD.		CORE NO.		FROM		TO		FORMATION (SHOW CORE RECOVERY)		ROTA- RY R.P.M.		WT. ON BIT 1000#		PUMP PRESS.		PUMP NO. 1 LINER SIZE S.P.M.		PUMP NO. 2 LINER SIZE S.P.M.		METHOD PUMPS RUN		MUD RECORD			
DRILLING ACTUAL		19		STANDS DP		FT. RUN NO.																								TIME			
REAMING		1		SNGLS. DP		FT. SIZE																								WEIGHT			
CIRCULATING		11		D.C. ID		MFG.																								VISC			
TRIPS				OD		FT. TYPE																								W.L.-C.C.			
DEVIATION SURVEY				RMR BODY OD		FT. NO. NO.																								FLTR. CK.			
TEST B.O.P				STB BODY OD		FT. NOZ. SIZE																								PH			
CUT OFF DRILL LINE				SUBS OD		FT. SER. NO.																								SD. CONT.			
REPAIR RIG				BIT OR C.B.		FT. DEPTH OUT																											
CORING				KELLY DOWN		FT. COND. OF BIT																											
WIRE LINE LOGGING				TOTAL		FT. REAMER CUTTER NO.																											
OTHER				WT. OF STRING		LBS. TYPE																											
FISHING				DRILLER		Wally Rose																											
COMPLETING (A) PERFORATING				NO.		DRILLING ASSEMBLY		BIT RECORD		HRS. DRLD.		CORE NO.		FROM		TO		FORMATION (SHOW CORE RECOVERY)		ROTA- RY R.P.M.		WT. ON BIT 1000#		PUMP PRESS.		PUMP NO. 1 LINER SIZE S.P.M.		PUMP NO. 2 LINER SIZE S.P.M.		METHOD PUMPS RUN		MUD RECORD	
(B) RUNNING TUBING				STANDS DP		FT. RUN NO.																										TIME	
(C) SWABBING				SNGLS. DP		FT. SIZE																										WEIGHT	
(D) TESTING				D.C. ID		MFG.																										VISC	
(E) ACIDIZING				OD		FT. TYPE																										W.L.-C.C.	
(F) ADDITIONAL				RMR BODY OD		FT. NO. NO.																										FLTR. CK.	
TOTALS				STB BODY OD		FT. NOZ. SIZE																										PH	
TIME SUMMARY (OFFICE USE ONLY)				SUBS OD		FT. SER. NO.																										SD. CONT.	
CONTRACTOR'S TIME HRS:				BIT OR C.B.		FT. DEPTH OUT																											
OPERATOR'S TIME:				KELLY DOWN		FT. CUMULATIVE HOURS RUN																											
HRS. W/D.P.:				TOTAL		FT. REAMER CUTTER NO.																											
HRS. WO/D.P.:				WT. OF STRING		LBS. TYPE																											
HRS. STANDBY				DRILLER		Wally																											

DAILY DRILLING REPORT

REPORT NO. 6

DATE MARCH 1/69

OPERATOR SHELL CANADA LIMITED		LOCATION Lat. 60° 13' 28" N Long. 115° 57' 10.85" W	SEC. 28	TWP. 6' N	RGE. 115° 57' 10.85" W	WELL NAME SHELL Hudson Bay Grumber	No. 6-63	PROVINCE N.W.T.
CONTRACTOR Redwell	RIG NO. 15	DRILL PIPE STRING NO. 2 1/8	TOOL JOINT TYPE THD. Hydrall	PUMPS		CASING & LINER RECORD	DEPTH SET FROM TO	PERFORATIONS FROM TO
OPERATOR'S REPRESENTATIVE H. Kenschall		CONTRACTOR'S TOOL PUSHER K. J. Buzum		PUMPS		CASING & LINER RECORD	DEPTH SET FROM TO	PERFORATIONS FROM TO
				PUMPS		CASING & LINER RECORD	DEPTH SET FROM TO	PERFORATIONS FROM TO
				PUMPS		CASING & LINER RECORD	DEPTH SET FROM TO	PERFORATIONS FROM TO

TIME DISTRIBUTION—HOURS		NO. DRILLING ASSEMBLY		BIT RECORD		HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTA- RY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 2 LINER SIZE	METHOD PUMPS RUN	MUD RECORD	
MORN	DAY	EVE	STANDS DP	FT.	RUN NO.												TIME	WEIGHT
			SNGLS. DP	FT.	SIZE													
			D.C. ID	FT.	MFG.													
			OD	FT.	TYPE													
			RMR BODY OD	FT.	NO.													
			STB BODY OD	FT.	NOZ. SIZE													
			SUBS OD	FT.	SER. NO.													
			BIT OR C.B.	FT.	DEPTH OUT													
				FT.	CUMULATIVE HOURS RUN													
			KELLY DOWN	FT.	COND. OF BIT													
			TOTAL	FT.	REAMER CUTTER NO.													
			WT. OF STRING	LBS.	TYPE													
			DRILLER															

TIME DISTRIBUTION—HOURS		NO. DRILLING ASSEMBLY		BIT RECORD		HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTA- RY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 2 LINER SIZE	METHOD PUMPS RUN	MUD RECORD	
MORN	DAY	EVE	STANDS DP	FT.	RUN NO.												TIME	WEIGHT
			SNGLS. DP	FT. <td>SIZE</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	SIZE													
			D.C. ID	FT. <td>MFG.</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	MFG.													
			OD	FT. <td>TYPE</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	TYPE													
			RMR BODY OD	FT. <td>NO. <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </td>	NO. <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>													
			STB BODY OD	FT. <td>NOZ. SIZE</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	NOZ. SIZE													
			SUBS OD	FT. <td>SER. NO. <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </td>	SER. NO. <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>													
			BIT OR C.B.	FT. <td>DEPTH OUT</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	DEPTH OUT													
				FT. <td>CUMULATIVE HOURS RUN</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	CUMULATIVE HOURS RUN													
			KELLY DOWN	FT. <td>COND. OF BIT</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	COND. OF BIT													
			TOTAL	FT. <td>REAMER CUTTER NO.</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	REAMER CUTTER NO.													
			WT. OF STRING	LBS. <td>TYPE</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	TYPE													
			DRILLER															

TIME DISTRIBUTION—HOURS		NO. DRILLING ASSEMBLY		BIT RECORD		HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTA- RY R.P.M.	WT. ON BIT 1000#	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 2 LINER SIZE	METHOD PUMPS RUN	MUD RECORD	
MORN	DAY	EVE	STANDS DP	FT.	RUN NO.												TIME	WEIGHT
			SNGLS. DP	FT. <td>SIZE</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	SIZE													
			D.C. ID	FT. <td>MFG.</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	MFG.													
			OD	FT. <td>TYPE</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	TYPE													
			RMR BODY OD	FT. <td>NO. <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </td>	NO. <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>													
			STB BODY OD	FT. <td>NOZ. SIZE</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	NOZ. SIZE													
			SUBS OD	FT. <td>SER. NO. <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </td>	SER. NO. <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>													
			BIT OR C.B.	FT. <td>DEPTH OUT</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	DEPTH OUT													
				FT. <td>CUMULATIVE HOURS RUN</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	CUMULATIVE HOURS RUN													
			KELLY DOWN	FT. <td>COND. OF BIT</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	COND. OF BIT													
			TOTAL	FT. <td>REAMER CUTTER NO.</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	REAMER CUTTER NO.													
			WT. OF STRING	LBS. <td>TYPE</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	TYPE													
			DRILLER															

OPERATOR		SHELL CANADA LIMITED		LOCATION		12	29	10	10	WELL NAME		6-65		No.		6-65		PROVINCE		ALBERTA																	
CONTRACTOR		RIG No.		DRILL PIPE STRING NO. SIZE		TOOL JOINT 2 1/2		PUMPS		CASING & LINER RECORD		SIZE		WT. & GR.		DEPTH SET FROM TO		PERFORATIONS FROM TO		CEMENT USED		OTHER															
OPERATOR'S REPRESENTATIVE		CONTRACTOR'S TOOL PUSHER		TYPE THD. 2 1/2		NO.		MANUFACTURER		TYPE		STROKE LENGTH		1		2		3																			
TIME DISTRIBUTION—HOURS		MORN		DAY		EVE		NO.		DRILLING ASSEMBLY		BIT RECORD		HRS. DRLD.		CORE NO.		FROM		TO		FORMATION (SHOW CORE RECOVERY)		ROTA- RY R.P.M.		WT.ON BIT 1000#		PUMP PRESS.		PUMP NO. 1 LINER SIZE S.P.M.		PUMP NO. 2 LINER SIZE S.P.M.		METHOD PUMPS RUN		MUD RECORD	
DRILLING ACTUAL								STANDS DP		FT.		RUN NO.																								TIME	
REAMING								SNGLS. DP		FT.		SIZE																						WEIGHT			
CIRCULATING								D.C. ID		FT.		MFG.																						VISC			
TRIPS								OD		FT.		TYPE																						W.L.-C.C.			
DEVIATION SURVEY								RMR BODY OD		FT.		NOZ. NO.																						FLTR. CK.			
TEST B.O.P								STB BODY OD		FT.		SIZE																						PH			
CUT OFF DRILL LINE								SUBS OD		FT.		SER. NO.																						SD. CONT.			
REPAIR RIG								BIT OR C.B.		FT.		DEPTH OUT																									
CORING								KELLY DOWN		FT.		CUMULATIVE HOURS RUN																									
WIRE LINE LOGGING								TOTAL		FT.		COND. OF BIT REAMER CUTTER NO.																									
OTHER								WT. OF STRING		LBS.		TYPE																									
FISHING								DRILLER																													
COMPLETING (A) PERFORATING								H. Rose																													
(B) RUNNING TUBING								NO.		DRILLING ASSEMBLY		BIT RECORD		HRS. DRLD.		CORE NO.		FROM		TO		FORMATION (SHOW CORE RECOVERY)		ROTA- RY R.P.M.		WT.ON BIT 1000#		PUMP PRESS.		PUMP NO. 1 LINER SIZE S.P.M.		PUMP NO. 2 LINER SIZE S.P.M.		METHOD PUMPS RUN		MUD RECORD	
(C) SWABBING								STANDS DP		FT.		RUN NO.																						TIME			
(D) TESTING								SNGLS. DP		FT.		SIZE																						WEIGHT			
(E) ACIDIZING								D.C. ID		FT.		MFG.																						VISC			
(F) ADDITIONAL								OD		FT.		TYPE																						W.L.-C.C.			
TOTALS								RMR BODY OD		FT.		NOZ. NO.																						FLTR. CK.			
TIME SUMMARY (OFFICE USE ONLY)								STB BODY OD		FT.		SIZE																						PH			
CONTRACTOR'S TIME HRS:								SUBS OD		FT.		SER. NO.																						SD. CONT.			
OPERATOR'S TIME:								BIT OR C.B.		FT.		DEPTH OUT																									
HRS. W/D.P:								KELLY DOWN		FT.		CUMULATIVE HOURS RUN																									

DATE Feb. 27. 1969

[illegible]

DAILY DRILLING REPORT

REPORT NO.

DATE

FEB. 25 1969 - 2nd Sedco Rig

No.

G-63

PROVINCE

N.W.T.

OPERATOR		LOCATION		LSD.	SEC.	TWP.	RGE.	W.	WELL NAME		No.		PROVINCE												
SHELL CANADA LIMITED		SHELL		H.B.		GRUMBLER		No.		G-63		N.W.T.													
CONTRACTOR		RIG No.	DRILL PIPE STRING NO. SIZE	TOOL JOINT	OD	PUMPS		CASING & LINER RECORD	SIZE	WT. & GR.	DEPTH SET FROM TO	PERFORATIONS FROM TO	CEMENT USED	OTHER											
Sedco		94																							
OPERATOR'S REPRESENTATIVE		CONTRACTOR'S TOOL PUSHER																							
R.W. Miller		H. K. Kiehl																							
TIME DISTRIBUTION—HOURS		NO. DRILLING ASSEMBLY		BIT RECORD		HRS. DRLD.		CORE NO.		FORMATION (SHOW CORE RECOVERY)		ROTA- RY R.P.M.		WT. ON BIT 1000#		PUMP PRESS.		PUMP NO. 1 LINER SIZE S.P.M.		PUMP NO. 2 LINER SIZE S.P.M.		METHOD PUMPS RUN		MUD RECORD	
MORN DAY EVE		STANDS DP		FT. RUN NO.																				TIME	
DRILLING ACTUAL		SNGLS. DP		FT. SIZE																				WEIGHT	
REAMING		D.C. ID		MFG.																				VISC	
CIRCULATING		OD		FT. TYPE																				W.L.-C.C.	
TRIPS		RMR BODY OD		FT. NO. NO.																				FLTR. CK.	
DEVIATION SURVEY		STB BODY OD		FT. NO. SIZE																				PH	
TEST D.O.P.		SUBS OD		FT. SER. NO.																				SD. CONT.	
CUT OFF DRILL LINE		BIT OR C.B.		FT. DEPTH OUT																					
REPAIR RIG				FT. CUMULATIVE HOURS RUN																					
CORING		KELLY DOWN		FT. COND. OF BIT																					
WIRE LINE LOGGING		TOTAL		FT. REAMER CUTTER NO.																					
OTHER		WT. OF STRING		LBS. TYPE																					
FISHING		DRILLER																							
COMPLETING (A) PERFORATING (B) RUNNING TUBING																									
(C) SWABBING																									
(D) TESTING																									
(E) ACIDIZING																									
(F) ADDITIONAL																									
TOTALS																									
TIME SUMMARY (OFFICE USE ONLY)																									
CONTRACTOR'S TIME HRS:																									
OPERATOR'S TIME:																									
HRS. W/D.P.:																									
HRS. WO/D.P.:																									
HRS. STANDBY																									
WIRE LINE RECORD																									
REEL NO																									
NO. OF LINES SIZE																									
FEET SLIPPED																									
FEET CUT OFF																									
PRESENT LENGTH																									
TON MI. or TRIPS SINCE LAST CUT																									
CUMULATIVE TON MI. or TRIPS																									
NO. OF DAYS FROM SPUD																									
CUMULATIVE ROTATING HRS.																									

12:00 12:45 RIG SET + WORK ON SHAFFER

12:45 1:45 LAY DOWN COLLARS

1:45 5:00 PULL SOCK & LAY DOWN

5:00 8:00 TEAR OUT.

Rig Released @ 4th am Feb 25/69 R.W. Miller

[illegible]

DATE Feb 22 1969

[illegible]

[illegible]

[illegible]

Feb 19 / 69

OPERATOR SHELL CANADA LIMITED		LOCATION	LSD.	SEC.	TWP.	RGE.	W.	WELL NAME Shell Grumber J-63	No.	PROVINCE N.W.T.				
CONTRACTOR Hedco	RIG No. 94	DRILL PIPE STRING NO. SIZE	TOOL JOINT	OD	PUMPS			CASING & LINER RECORD	SIZE	WT. & GR.	DEPTH SET FROM TO	PERFORATIONS FROM TO	CEMENT USED	OTHER
OPERATOR'S REPRESENTATIVE R.W. Mith.		CONTRACTOR'S TOOL PUSHER R. Keelap.			1. MANUFACTURER			TYPE	STROKE LENGTH					
					2.									
					3.									

TIME DISTRIBUTION—HOURS				NO. DRILLING ASSEMBLY		BIT RECORD		HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTA- RY R.P.M.	WT. ON BIT 1000±	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 2 LINER SIZE	METHOD PUMPS RUN	MUD RECORD	
MORN	DAY	EVE		STANDS DP	FT.	RUN NO.														TIME
				SNGLS. DP	FT. <td>SIZE</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>WEIGHT</td>	SIZE														WEIGHT
				D.C. ID		MFG.														VISC
				OD	FT. <td>TYPE</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>W.L.-C.C.</td>	TYPE														W.L.-C.C.
				RMR BODY OD	FT. <td>NO. NO.</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>FLTR. CK.</td>	NO. NO.														FLTR. CK.
				STB BODY OD	FT. <td>NOZ. SIZE</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>PH</td>	NOZ. SIZE														PH
				SUBS OD	FT. <td>SER. NO.</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>SD. CONT.</td>	SER. NO.														SD. CONT.
				BIT OR C.B.	FT. <td>DEPTH OUT</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	DEPTH OUT														
					FT. <td>CUMULATIVE HOURS RUN</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	CUMULATIVE HOURS RUN														
				KELLY DOWN	FT. <td>COND. OF BIT</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	COND. OF BIT														
				TOTAL	FT. <td>REAMER CUTTER NO.</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	REAMER CUTTER NO.														
				WT. OF STRING	LBS. <td>TYPE</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	TYPE														
				DRILLER Jim Ross																

TIME DISTRIBUTION—HOURS				NO. DRILLING ASSEMBLY		BIT RECORD		HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTA- RY R.P.M.	WT. ON BIT 1000±	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 2 LINER SIZE	METHOD PUMPS RUN	MUD RECORD	
MORN	DAY	EVE		STANDS DP	FT.	RUN NO.														TIME
				SNGLS. DP	FT. <td>SIZE</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>WEIGHT</td>	SIZE														WEIGHT
				D.C. ID		MFG.														VISC
				OD	FT. <td>TYPE</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>W.L.-C.C.</td>	TYPE														W.L.-C.C.
				RMR BODY OD	FT. <td>NO. NO.</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>FLTR. CK.</td>	NO. NO.														FLTR. CK.
				STB BODY OD	FT. <td>NOZ. SIZE</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>PH</td>	NOZ. SIZE														PH
				SUBS OD	FT. <td>SER. NO.</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>SD. CONT.</td>	SER. NO.														SD. CONT.
				BIT OR C.B.	FT. <td>DEPTH OUT</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	DEPTH OUT														
					FT. <td>CUMULATIVE HOURS RUN</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	CUMULATIVE HOURS RUN														
				KELLY DOWN	FT. <td>COND. OF BIT</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	COND. OF BIT														
				TOTAL	FT. <td>REAMER CUTTER NO.</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	REAMER CUTTER NO.														
				WT. OF STRING	LBS. <td>TYPE</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	TYPE														
				DRILLER Steve Scott																

TIME DISTRIBUTION—HOURS				NO. DRILLING ASSEMBLY		BIT RECORD		HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTA- RY R.P.M.	WT. ON BIT 1000±	PUMP PRESS.	PUMP NO. 1 LINER SIZE	PUMP NO. 2 LINER SIZE	METHOD PUMPS RUN	MUD RECORD	
MORN	DAY	EVE		STANDS DP	FT.	RUN NO.														TIME
				SNGLS. DP	FT. <td>SIZE</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>WEIGHT</td>	SIZE														WEIGHT
				D.C. ID		MFG.														VISC
				OD	FT. <td>TYPE</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>W.L.-C.C.</td>	TYPE														W.L.-C.C.
				RMR BODY OD	FT. <td>NO. NO.</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>FLTR. CK.</td>	NO. NO.														FLTR. CK.
				STB BODY OD	FT. <td>NOZ. SIZE</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>PH</td>	NOZ. SIZE														PH
				SUBS OD	FT. <td>SER. NO.</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>SD. CONT.</td>	SER. NO.														SD. CONT.
				BIT OR C.B.	FT. <td>DEPTH OUT</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	DEPTH OUT														
					FT. <td>CUMULATIVE HOURS RUN</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	CUMULATIVE HOURS RUN														
				KELLY DOWN	FT. <td>COND. OF BIT</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	COND. OF BIT														
				TOTAL	FT. <td>REAMER CUTTER NO.</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	REAMER CUTTER NO.														
				WT. OF STRING	LBS. <td>TYPE</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	TYPE														
				DRILLER C. L. Pagnotta																

DATE Feb 17/69

OPERATOR		SHELL CANADA LIMITED		LOCATION		LSD.	SEC.	TWP.	RGE.	W.	WELL NAME		No.		PROVINCE		
CONTRACTOR		RIG NO.		DRILL PIPE STRING NO. SIZE		TCOL JOINT		PUMPS		CASING & LINER RECORD		DEPTH SET		PERFORATIONS		CEMENT USED	
OPERATOR'S REPRESENTATIVE		CONTRACTOR'S TOOL/PUSHER		TYPE THD.		IF		NO.		MANUFACTURER		TYPE		STROKE LENGTH		OTHER	
RWM		K. Kishaly		94		3 1/2 OD		1		NAT.		C-150B.		12			
TIME DISTRIBUTION—HOURS		MORN		DAY		EVE		NO.		DRILLING ASSEMBLY		BIT RECORD		HRS. DRLD.		CORE NO.	
DRILLING ACTUAL		7 1/4		6 1/2				STANDS DP		FT.		RUN NO.		1.		2	
REAMING								SNGLS. DP		FT.		SIZE		6 1/4		6 1/4	
CIRCULATING								D.C.		ID		MFG.		HW		HW	
TRIPS				1 1/2				OD		FT.		TYPE		OSG 18C-16			
DEVIATION SURVEY				4				RMR BODY		OD		FT.		NO.		2-11	
TEST B.O.P								STB BODY		OD		FT.		NOZ.		3	
CUT OFF DRILL LINE								SUBS		OD		FT.		SER. NO.		5140	
REPAIR RIG								BIT OR C.B.		FT.		DEPTH OUT		1252		1215	
CORING								KELLY DOWN		FT.		COND. OF BIT		9 1/2		1 1/4	
WIRE LINE LOGGING								TOTAL		FT.		REAMER CUTTER NO.					
OTHER								WT. OF STRING		LBS.		TYPE					
FISHING								DRILLER									
COMPLETING (A) PERFORATING								NO.		DRILLING ASSEMBLY		BIT RECORD		HRS. DRLD.		CORE NO.	
(B) RUNNING TUBING								33		STANDS DP		FT.		RUN NO.		2	
(C) SWABBING								SNGLS. DP		FT.		SIZE		6 1/4			
(D) TESTING								D.C.		17 1/2 ID		MFG.		HW			
(E) ACIDIZING								16		4 3/4 OD		426.33		TYPE		OSG-16	
(F) ADDITIONAL								RMR BODY		OD		FT.		NO.		3	
TOTALS								STB BODY		OD		FT.		NOZ.		3/11	
TIME SUMMARY (OFFICE USE ONLY)								SUBS		OD		FT.		SER. NO.		7154	
CONTRACTOR'S TIME HRS:								BIT OR C.B.		FT.		DEPTH OUT		8:00		8:45	
OPERATOR'S TIME:								KELLY DOWN		26		FT.		COND. OF BIT		9 1/2	
HRS. W/D.P:								TOTAL		111 79		FT.		REAMER CUTTER NO.		10:45	
HRS WO/D.P:								WT. OF STRING		LBS.		TYPE					
HRS STANDBY								DRILLER									
WIRE LINE RECORD								NO.		DRILLING ASSEMBLY		BIT RECORD		HRS. DRLD.		CORE NO.	
REEL NO								35		STANDS DP		FT.		RUN NO.		2	
NO OF LINES								SNGLS. DP		FT.		SIZE		6 1/4			
FEET SLIPPED								D.C.		1 1/2 ID		MFG.		HW			
FEET CUT OFF								16		4 3/4 OD		466.33		TYPE		OSG-16	
PRESENT LENGTH								RMR BODY		OD		FT.		NO.		3	
TON MI. OF TRIPS SINCE LAST CUT								STB BODY		OD		FT.		NOZ.		11	
CUMULATIVE TON/MI. OF TRIPS								SUBS		OD		FT.		SER. NO.		7154	
NO. OF DAYS FROM SPUD								BIT OR C.B.		FT.		DEPTH OUT		4:00		4:45	
CUMULATIVE ROTATING HRS.								KELLY DOWN		38		FT.		COND. OF BIT		10:45	
								TOTAL		1550		FT.		REAMER CUTTER NO.		12:00	
								WT. OF STRING		LBS.		TYPE					
								DRILLER									

PROVINCE

ANCE *N.W.T*

P-38 (10/63)						DAILY DRILLING REPORT						REPORT NO.																													
OPERATOR SHELL CANADA LIMITED						LOCATION LSD.		SEC.		TWP.		RGE.		W.		WELL NAME Shell H.B. Drumbler #63						No.		PROVINCE H.W.T.																	
CONTRACTOR Sedco Drilling						RIG No. 94		DRILL PIPE STRING NO. SIZE		TOOL JOINT 3 1/2 OD		PUMPS		CASING & LINER RECORD		SIZE		WT. & GR.		DEPTH SET FROM TO		PERFORATIONS FROM TO		CEMENT USED		OTHER															
OPERATOR'S REPRESENTATIVE R. W. Miller						CONTRACTOR'S TOOL PUSHER K. K. Kelly						NO.		MANUFACTURER NAT		TYPE C150B		STROKE LENGTH 12																							
TIME DISTRIBUTION—HOURS						MORN		DAY		EVE		NO.		DRILLING ASSEMBLY		BIT RECORD		HRS. DRLD.		CORE NO.		FROM		TO		FORMATION (SHOW CORE RECOVERY)		ROTA-RY R.P.M.		WT.ON BIT 1000#		PUMP PRESS.		PUMP NO. 1 LINER SIZE S.P.M.		PUMP NO. 2 LINER SIZE S.P.M.		METHOD PUMPS RUN		MUD RECORD TIME WEIGHT VISC W.L.C.C. FLTR. CK. PH SD. CONT.	
DRILLING ACTUAL												STANDS DP		FT.		RUN NO.																									
REAMING												SNGLS. DP		FT.		SIZE																									
CIRCULATING												D.C. ID		FT.		MFG.																									
TRIPS												RMR BODY OD		FT.		NO.		NO.		DEVIATION RECORD:		DEPTH		DEV.		DIRECTION		DEPTH		DEV.		DIRECTION		DEPTH		DEV.		DIRECTION			
DEVIATION SURVEY												STB BODY OD		FT.		NOZ.		SIZE																							
TEST B.O.P												SUBS OD		FT.		SER. NO.																									
CUT OFF DRILL LINE												BIT OR C.B.		FT.		DEPTH OUT																									
REPAIR RIG														FT.		CUMULATIVE HOURS RUN																									
CORING												KELLY DOWN		FT.		COND. OF BIT																									
WIRE LINE LOGGING												TOTAL		FT.		REAMER CUTTER NO.																									
OTHER												WT. OF STRING		LBS.		TYPE																									
FISHING												DRILLER																													
COMPLETING (A) PERFORMING												NO.		DRILLING ASSEMBLY		BIT RECORD		HRS. DRLD.		CORE NO.		FROM		TO		FORMATION (SHOW CORE RECOVERY)		ROTA-RY R.P.M.		WT.ON BIT 1000#		PUMP PRESS.		PUMP NO. 1 LINER SIZE S.P.M.		PUMP NO. 2 LINER SIZE S.P.M.		METHOD PUMPS RUN		MUD RECORD TIME WEIGHT VISC W.L.C.C. FLTR. CK. PH SD. CONT.	
(B) RUNNING TUBING												STANDS DP		FT.		RUN NO.																									
(C) SWABBING												SNGLS. DP		FT.		SIZE																									
(D) TESTING												D.C. ID		FT.		MFG.																									
(E) ACIDIZING												D.C. OD		FT.		TYPE																									
(F) ADDITIONAL												RMR BODY OD		FT.		NO.		NO.		DEVIATION RECORD:		DEPTH		DEV.		DIRECTION		DEPTH		DEV.		DIRECTION		DEPTH		DEV.		DIRECTION			
TOTALS												STB BODY OD		FT.		NOZ.		SIZE																							
TIME SUMMARY (OFFICE USE ONLY)												SUBS OD		FT.		SER. NO.																									
CONTRACTOR'S TIME HRS:												BIT OR C.B.		FT.		DEPTH OUT																									
OPERATOR'S TIME:																																									

DATE: 10/01/01		REPORT NO: 101		WELL NAME: SHELL ASS. GRUMBLER 6-43		No. 1		No. 2		No. 3		No. 4		No. 5		No. 6		No. 7		No. 8		No. 9		No. 10		No. 11		No. 12		No. 13		No. 14		No. 15		No. 16		No. 17		No. 18		No. 19		No. 20		No. 21		No. 22		No. 23		No. 24		No. 25		No. 26		No. 27		No. 28		No. 29		No. 30		No. 31		No. 32		No. 33		No. 34		No. 35		No. 36		No. 37		No. 38		No. 39		No. 40		No. 41		No. 42		No. 43		No. 44		No. 45		No. 46		No. 47		No. 48		No. 49		No. 50		No. 51		No. 52		No. 53		No. 54		No. 55		No. 56		No. 57		No. 58		No. 59		No. 60		No. 61		No. 62		No. 63		No. 64		No. 65		No. 66		No. 67		No. 68		No. 69		No. 70		No. 71		No. 72		No. 73		No. 74		No. 75		No. 76		No. 77		No. 78		No. 79		No. 80		No. 81		No. 82		No. 83		No. 84		No. 85		No. 86		No. 87		No. 88		No. 89		No. 90		No. 91		No. 92		No. 93		No. 94		No. 95		No. 96		No. 97		No. 98		No. 99		No. 100		No. 101		No. 102		No. 103		No. 104		No. 105		No. 106		No. 107		No. 108		No. 109		No. 110		No. 111		No. 112		No. 113		No. 114		No. 115		No. 116		No. 117		No. 118		No. 119		No. 120		No. 121		No. 122		No. 123		No. 124		No. 125		No. 126		No. 127		No. 128		No. 129		No. 130		No. 131		No. 132		No. 133		No. 134		No. 135		No. 136		No. 137		No. 138		No. 139		No. 140		No. 141		No. 142		No. 143		No. 144		No. 145		No. 146		No. 147		No. 148		No. 149		No. 150		No. 151		No. 152		No. 153		No. 154		No. 155		No. 156		No. 157		No. 158		No. 159		No. 160		No. 161		No. 162		No. 163		No. 164		No. 165		No. 166		No. 167		No. 168		No. 169		No. 170		No. 171		No. 172		No. 173		No. 174		No. 175		No. 176		No. 177		No. 178		No. 179		No. 180		No. 181		No. 182		No. 183		No. 184		No. 185		No. 186		No. 187		No. 188		No. 189		No. 190		No. 191		No. 192		No. 193		No. 194		No. 195		No. 196		No. 197		No. 198		No. 199		No. 200		No. 201		No. 202		No. 203		No. 204		No. 205		No. 206		No. 207		No. 208		No. 209		No. 210		No. 211		No. 212		No. 213		No. 214		No. 215		No. 216		No. 217		No. 218		No. 219		No. 220		No. 221		No. 222		No. 223		No. 224		No. 225		No. 226		No. 227		No. 228		No. 229		No. 230		No. 231		No. 232		No. 233		No. 234		No. 235		No. 236		No. 237		No. 238		No. 239		No. 240		No. 241		No. 242		No. 243		No. 244		No. 245		No. 246		No. 247		No. 248		No. 249		No. 250		No. 251		No. 252		No. 253		No. 254		No. 255		No. 256		No. 257		No. 258		No. 259		No. 260		No. 261		No. 262		No. 263		No. 264		No. 265		No. 266		No. 267		No. 268		No. 269		No. 270		No. 271		No. 272		No. 273		No. 274		No. 275		No. 276		No. 277		No. 278		No. 279		No. 280		No. 281		No. 282		No. 283		No. 284		No. 285		No. 286		No. 287		No. 288		No. 289		No. 290		No. 291		No. 292		No. 293		No. 294		No. 295		No. 296	
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