

SHELL HB BRUNALEX J-72

Drilling Authority No. 341
Date Issued 8 January, 1969

WELL NAME Shell #3 Brumley 1-72
FIELD Wildcat
LOCATION: Unit
Latitude 60-21-40.34
Longitude 115-43-44.81
From Established Reference Marker NE 36-131-10-5

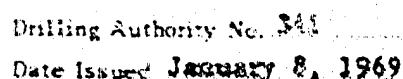
Area:
Section 72
Grid 60-30, 115-30

U.W.L.N. 60.36120 -- 115.72912
U.W.I. 3003726030115300

Rig Release Date: 13/2/69
Status
Information Release Date

CHANGE OF NAME:

DATE RECEIVED	INDEX
8-1-69	Application for a Drilling Authority. Well Completion Data. Well History Report.
	Application to Amend a Drilling Authority.
	Application to change a Well Name.
27/2/69	Application to Abandon a Well or Suspend Drilling.
	Application to Alter Condition of a Well. Well History Supplement.
2/4/69	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 Card.
	New Service Well Report.
	Monthly Water Flood Operations Report
	Monthly Water Receipts and Disposal of Fluids Report Logs. Large scale Small scale



WELL COMPLETION DATA

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

Well name and number: Shell H.B. Grumbler J-72

Permit No. 4148

Lease No. _____

Hudson's Bay Oil & Gas Company Ltd. Exploratory Licence No. 1096

Shell Canada Limited

Exploratory Licence No. 1881

Location: Unit **J** Section **72** Grid **60° 30' 115° 30'**

Latitude 60° 21' 40.34"

Longitude 115° 43' 44.81"

From Established Reference Marker N.E. 36-131-10-5

Universal Well Location Reference 60.36120 N. Lat. 115.72911 W. Long.

	DATE	DEPTH	Pool(s)	Nil
			Interval(s) open to production	Nil
Spudded	25/1/69	—		
Suspended	—	—		
Resumed Operations	—	—		
Finished Drilling	9/2/69	2396		
Deepened	—	—		
Complete (gas/oil)	—	—		
Abandoned	13/2/69	2396		
Rig released	13/2/69	2396		
			Elevation: Gr.	884 K.B. 894
			Rig No.	Sedco No. 94
			Drilling Contractor	Sedco Exploration Ltd.
			Contractor's Business Licence No.	A-11203

CASING RECORD

	Caving Size (Inches)	Grade	Weight	Amount	Set at -	Sacks of Cement and Additives
1.	7"	J-55	20#	218.30'	228.30 KB	100 Sx. + 3% CaCl ₂
2.						
3.						
4.						
5.						
6.						

GEOLOGICAL TOPS	ELEVATION		CORE RECORD					
	Depth	Sub-Sea	From	To	Rec.	From	To	Rec.
Slave Point	994	(- 100)	1738	1745	6.0'			
Watt Mountain	1192	(- 298)	1745	1754	8.8'			
Steen River	1216	(- 322)	1754	1779	24.8'			
Muskeg	1348	(- 454)						
Kag River	1662	(- 768)						
Bear Rock	2024	(-1130)						
PreCambrian	2346	(-1452)						

LOG RECORD

LOS RECORD

Run No.	Type of Log	From	To
1	Induction Electrolog	2392	228
1	Acoustilog	2391	228
1	Densilog	2393	228
1	Diplog	2393	700
	Seismic Reference	2391	228
	Survey (BHC Acoustilog - Seismic)		



File No. _____
Drilling Authority No. **341**

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
RESOURCE MANAGEMENT DIVISION

Application to Abandon a Well or Suspend 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. GEORGE 1-72**
Location: Unit **3** Section **72** Grid **60° 30' 115° 30'**
Latitude **50° 21' 40.34"** Longitude **115° 43' 44.81"**
From Established Reference Marker **E.B. 34-111-10-5**
Universal Well Location Reference **60.36120 N. Lat. 115.72911 W. Long.**
Permit No. **4148** Lease No. _____

Hudson's Bay Oil and Gas Company Limited
(Operator, Licensee, Lessee) Licence No. 1096

Date of commencement of proposed program **February 12, 1969**

OIL, GAS, AND WATER ENCOUNTERED
(Depths)

Oil at **NIL**
Gas at **NIL**
Water at **NIL**
Total Depth **2396** Date of last operations **2:00 A.M. February 13, 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"	204	218.30	228.3' K.B.	100 Sx. + 3% CaCl ₂	—
2.					
3.					
4.					
5.					

PROPOSED ABANDONMENT PROGRAM

Plug		Geological Formation	Number of Sacks of Cement	Remarks
No.	Position			
I	2396-1600	Eag River, Bear Rock, Precambrian	156 Sx.	
II	1270-940	Slave Point, Watt Mountain	120 Sx. +	Felt @ 915'
		Steen River	3% CaCl ₂	
III	280 - Surface	In Casing	65 Sx.	Steel Risar 4' above C.L. with wall nuts welded on Steel Plate.

The following logs have been run **IRL, A-C-C, Density, CCM, Velocity Survey**
Other operations proposed **NIL**

Operations to be carried out by **Sedco Exploration Ltd.** Contractor Licence No. **A11203**
Address **P.O. Box 186, Edmonton, Alberta.** Address _____
Responsible Agent in field _____

Dated at **Edmonton, Alberta**, this **18th** Day of **February**, 19 **69**
Signed by **P.S. Benn (P.S. Benn)** for **A.M. McEachlin** 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 program approved, subject to the following conditions:

Confirming oral approval given by Mr. B.H.J. Thoms
on the 11th February 1969

Dated **27th February**, 19 **69**

B.H.J. Thoms
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. 741

Project No.

File No.



DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
~~RESOURCE MANAGEMENT~~ DIVISION
 OIL AND MINERAL

JAN 8 1969

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. GRUBLER J-72**
 Location: Unit **J** Section **72** Grid **60° 30' 115° 30'**
 Latitude **60° 21' 40.34"** Longitude **115° 43' 44.81"**
 From Established Reference Marker **E.A. 36-131-10-5**
 Universal Well Location Reference **60.36120 N. Lat. 115.72911 W. Long.**
 Elevation: Ground **884 (Est.)** K.B. **900 (Est.)** feet above sea-level.
 Well is expected to produce from **the Keg River** formation at a depth
 of about **1450** feet. Expected total final depth **2000**
 Area assigned to well

(For Oil Conservation Engineer's use only)

Permit No. **4148** Lease No. **31,606**

Permittee, licensee, or lessee **Hudson's Bay Oil and Gas Company Limited**

Exploratory Licence No. **1096**

Surface owned by Crown or

(If attracted submit name and address of owner and occupant.)

Petroleum and natural-gas rights owned by **Crown**

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

Casing Nom. O.D. (Inches)	Weight (Lb./Ft.)	Grade	New or Used	Estimated Depth	Section of Cement
1. 7"	20#	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 Shaeffer

10" Series 600 G.K. Hydril

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. E. McLachlin**

Address **Box 186, Edmonton, Alberta**

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 **[Signature]** 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:—

1. The Company will submit to this office on Tuesday of each week the latest reports received by radio on the progress of the well.

2. During well drilling and testing operations, every effort shall be made to ensure

Dated **8th January** 19**69**

[Signature] (over)
 Oil Conservation Engineer

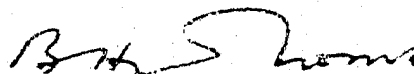
Forms to be submitted to Oil Conservation Engineer,
 Department of Indian Affairs and Northern Development, Calgary, Alberta.

LAND 52-90-1 (3-67)

UNIQUE WELL IDENTIFIER: **300J726030115300**

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.

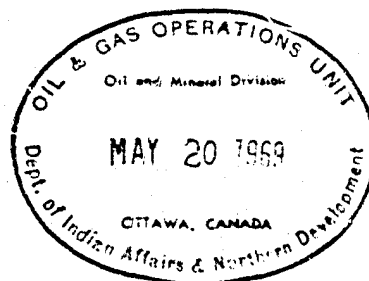


B.H.J. Thomas
Oil Conservation Engineer

SHELL HUDSON'S BAY GRUMBLER J-72

60° 21' 40.34" 115° 43' 44.81"

WELL HISTORY REPORT
SHELL H.B. GRUMBLER J-72
SHELL CANADA LIMITED
MARCH 4, 1969



WELL HISTORY REPORT

CRUMBLER J-72

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SECTION I - SUMMARY OF WELL DATA

(a) Well Name and Number

Shell H.B. Grumbler J-72

(b) Permittee

Hudson's Bay Oil and Gas Company

(c) Operator

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

(d) Location

Unit J, Section 72, Grid 60°30'; 115°30'
Latitude: 60° 21' 40.34"
Longitude: 115° 13' 44.81"

(e) Co-Ordinates

As above

(f) Permit or Lease Number

4148

(g) Drilling Contractor

Sedco Exploration Rig No. 94
Rotary

(h) Drilling Authority

No. 341 issued 8th January 1969

(i) Classification

Wildcat

(j) Elevations

G.L. 884'
K.B. 894'

(k) Spudded

4:45 P.M. January 25, 1969

* Universal Well Location Reference - Lat. 60.36120° N., Long. 115.72911°W.

Unique Well Identifier - 300J726030115300

(l) Completed Drilling

February 9 , 1969

(m) Total Depth and Plugged Back Total Depth

T.D. 2396.90' K.B.

P.B.T.D. Surface

(n) Well Status

Dry and Abandoned

(o) Rig Released

2:00 A.M. February 13, 1969

(p) Hole Size

9-7/8" 0 - 235'

6-1/4" 235 - T.D.

(q) Casing

7" 20# J-55 ST&C new casing

set @ 228.30' K.B. with 100 sacks + 3% CaCl₂

SECTION II - GEOLOGICAL SUMMARY(a) Formation Tops

<u>Formation</u>	<u>E-Log</u>	<u>Samples</u>
Slave Point	994	1005
Watt Mountain	1192	1220
Steen River	1216	1245
Muskeg	1348	1330
Methy	1662	1730
Bear Rock	2024	2030
Pre-Cambrian	2346	2390

(b) Cored Intervals

<u>Core No.</u>	<u>Interval</u>	<u>Formation</u>	<u>Recovery</u>
1	1738-1745	Dkr	6.0'
2	1745-1754	Dkr	8.8'
3	1754-1779	Dkr	24.8'

(c) Sample Description

See Appendix 'A'

(d) Core Description

See Appendix 'B'

SECTION III - ENGINEERING SUMMARY

(a) Drill Stem Tests

None

(b) Casing Record

7" 20# J-55 ST&C New casing set at 228.30' K.B.
 Cemented with 100 sacks Construction + 3% CaCl₂.
 Plug down at 8:00 P.M. January 26, 1969.

(c) Bit Record

No.	Size	Type	Serial No.	Depth Out	Hrs. Run	Condition
1A	9-7/8	OSC-1G	BAB41	235	14	4-2-1
1	6-1/4	OSC-J	5142	1054	9-1/2	5-2-1
2	6-1/4	OWV-J	7151	1311	20-1/4	5-3-1
3	6-1/4	OWV-J	7148	1447	18	7-4-1
4	6-1/4	OWV-J	5081	1576	17	7-4-1
5	6-1/4	OWV-J	7149	1689	16-1/2	7-4-0
6	6-1/4	OWV-J	8409	1740	7-3/4	2-2-1
1B	6-3/16	DIAMOND	33.66	1779	16	Good
*7	6-1/4	OWV-J	8407	1882	13	7-4-0
8	6-1/4	OWC-J	8428	1919	7-1/4	8-4-1
9	6-1/4	W7-J	CR187	2017	14	8-4-1
10	6-1/4	OWC-J	8430	2079	8-1/4	7-4-1
11	6-1/4	W7-J	DS161	2144	8	7-4-1
12	6-1/4	OWC-J	7794	2209	7-1/2	8-4-1
13	6-1/4	OWC-J	7159	2285	8-1/2	3-4-1
14	6-1/4	OWV	96242	2332	7-1/2	2-3-1
15	6-1/4	W7	99519	2382	8-1/2	6-3-1
16	6-1/4	OWV	7765	2396	4-1/2	8-5-2

* Includes reaming rat hole 41' - 3/4 hrs.

(d) Mud Report

Gel	26,000#
Lime	130#
CMC	150#
Speresene	1,050#
Caustic Soda	1,100#
Soda Ash	300#
Sawdust	128 sacks

(e) Deviation Record

<u>Depth</u>	<u>Degrees</u>	<u>Depth</u>	<u>Degrees</u>
98	1/2	2120	4
187	3/4	2396	5
505	1/2		
743	1/2		
982	3/4		
1191	3/4		
1420	1-1/4		
1670	3		
1870	3		

(f) Abandonment Plugs

<u>Plug No.</u>	<u>Interval</u>	<u>Sacks Cement</u>	<u>Additives</u>	<u>Plug Down Time</u>
1	2396-2106	60 Construction	--	3:00 A.M. Feb. 12/69
<u>NOTE:</u> While running Plug #1 Howco cementing unit broke down.				
1	2106-1600	96 Construction + 3% CaCl ₂		12:30 P.M. Feb. 12/69
2	1270-940	120 Construction 3% CaCl ₂		2:00 P.M. Feb. 12/69
		Felt plug #2 @ 915' at 10:00 P.M. Feb. 12/69		
3	280-Surface	65 Construction	--	10:45 P.M. Feb. 12/69

Ran 5 sacks in rat hole (no mouse hole). Cut off casing 3' below ground level, welded on plate and erected 4' riser with name plate.

(g) Lost Circulation Zones

<u>Formation</u>	<u>Depth</u>	<u>Fluid Lost</u>
Slave Point	1054'	approximately 85 bbls.
Slave Point	1107'	approximately 50 bbls.

Circulation regained by adding sawdust to drilling fluid.

(h) Blowouts

None

SECTION IV - LOGS

<u>Type</u>	<u>Interval</u>		<u>Date</u>
IEL	2392-228 ✓	2" & 5" scales	10 Feb. 1969
BHC AL/GR	2391-228 ✓	2" & 5" scales	"
C-DLC	2393-228	2" & 5" scales	"
DIPLOG	2393-700		"
SEISMIC REFERENCE SURVEY	2391-228		"

SECTION V - ANALYSIS

(a) Core Analysis

See Appendix 'B' - Analysed by Shell Production Lab.

(b) Water Analysis

None

(c) Gas Analysis

None

(d) Oil Analysis

None

SECTION VI(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>
1	2/12/69	2396-1600	Precambrian & Keg River	156 Sacks
2	2/12/69	1270-940	Slave Point	120 Sacks
3		280-Surface		65 sacks

(d) Acidization and Fracturing Record

None

(e) Back Pressure and Production Tests

None

for P. S. Blair
A. M. McLachlin, Manager
Edmonton Division Production

APPENDIX A

SMITH HUDSON'S BAY CRIBLER J-72

LATITUDE: 60° 21' 40.34"

T.D. 2396'

LONGITUDE: 115° 43' 40.81"

N.B. 894'

0' -1000'		SAMPLES MISSING.
1000' -1010'	Shale	Calcareous shale.
1010' -1020'	Shale -Limestone	Shale and limestone.
1020' -1030'	Limestone	Limestone, with minor argillaceous content.
1030' -1040'	Limestone	Limestone, with minor argillaceous content.
1040' -1050'	Limestone	Limestone, with minor argillaceous content.
1050' -1060'	Limestone	Limestone, with minor argillaceous content.
1060' -1070'	Limestone	Limestone, with minor argillaceous content.
1070' -1080'	Limestone	Limestone, with minor argillaceous content.
1080' -1090'	Limestone	Limestone, with minor argillaceous content.
1090' -1100'	Limestone	Limestone, with minor argillaceous content.

1100' -1110'	Limestone	Limestone, with minor argillaceous content.
1110' -1120'	Limestone	Limestone, with minor argillaceous content.
1120' -1130'	Limestone	Limestone, with minor argillaceous content.
1130' -1140'	Limestone	Limestone, with minor argillaceous content.
1140' -1150'	Limestone	Limestone, with minor argillaceous content and traces of anhydrite.
1150' -1160'	Limestone	Limestone, with minor argillaceous content and traces of anhydrite.
1160' -1170'	Limestone	Limestone, with minor argillaceous content and traces of anhydrite.
1170' -1180'	Limestone	Limestone, with minor argillaceous content and traces of anhydrite.
1180' -1190'	Limestone	Limestone, with minor argillaceous content and traces of anhydrite.
1190' -1200'	Limestone	Limestone, with minor argillaceous content and traces of anhydrite.
1200' -1210'	Shale -Limestone	Green waxy shale and limestone; traces of pyrite.
1210' -1220'	Shale -Limestone	Green waxy shale and limestone; traces of pyrite.
1220' -1230'	Shale -Limestone	Green waxy shale and limestone; traces of pyrite.
1230' -1240'	Dolomite -Shale	Dolomite and shale; traces of pyrite.
1240' -1250'	Dolomite Shale	Dolomite and shale; traces of pyrite.

1250' -1260'	Dolomite	Dolomite, with minor amounts of argillaceous content; traces of pyrite.
1260' -1270'	Dolomite	Dolomite, with minor amounts of argillaceous content; traces of pyrite.
1270' -1280'	Dolomite	Dolomite, with minor amounts of argillaceous content; traces of pyrite.
1280' -1290'	Dolomite	Dolomite, with minor amounts of argillaceous content; traces of pyrite.
1290' -1300'	Dolomite	Dolomite, with minor amounts of argillaceous content; traces of pyrite.
1300' -1310'	Dolomite	Dolomite, with minor amounts of argillaceous content; traces of pyrite.
1310' -1320'	Dolomite	Dolomite, with minor amounts of argillaceous content; traces of pyrite.
1320' -1330'	Dolomite	Dolomite, with minor amounts of argillaceous content; traces of anhydrite.
1330' -1340'	Dolomite	Dolomite, with minor amounts of argillaceous content; traces of anhydrite.
1340' -1350'	Dolomite	Dolomite, with minor amounts of argillaceous content; traces of anhydrite.
1350' -1360'	Dolomite -Anhydrite	Dolomite and anhydrite, some argillaceous content.
1360' -1370'	Dolomite -Anhydrite	Dolomite and anhydrite, some argillaceous content.
1370' -1380'	Shale	Shale with minor amounts of dolomite and anhydrite.
1380' -1390'	Dolomite	Dolomite with minor amounts of anhydrite; some argillaceous content.
1390' -1400'	Dolomite	Dolomite with minor amounts of anhydrite; some argillaceous content.

1400' -1410'	Dolomite -Anhydrite	Dolomite and anhydrite; minor argillaceous content.
1410' -1420'	Shale -Anhydrite	Shale and anhydrite; minor dolomitic content.
1420' -1430'	Shale -Anhydrite	Shale and anhydrite; minor dolomitic content.
1430' -1440'	Anhydrite	Anhydrite with minor amounts of dolomite and shale.
1440' -1450'	Shale	Shale with minor amounts of dolomite and anhydrite.
1450' -1460'	Shale	Shale, with minor amounts of dolomite and anhydrite.
1460' -1470'	Anhydrite	Anhydrite, with minor amounts of shale and dolomite.
1470' -1480'	Anhydrite	Anhydrite, with minor amounts of shale and dolomite.
1480' -1490'	Anhydrite	Anhydrite, with minor amounts of shale and dolomite.
1490' -1500'	Anhydrite	Anhydrite, with minor amounts of shale and dolomite.
1500' -1510'	Anhydrite	Anhydrite, with minor amounts of shale and dolomite.
1510' -1520'	Anhydrite	Anhydrite, with minor amounts of shale and dolomite.
1520' -1530'	Anhydrite	Anhydrite, with minor amounts of shale and dolomite.
1530' -1540'	Anhydrite	Anhydrite, with dolomite and shale.
1540' -1550'	Anhydrite	Anhydrite, with dolomite and shale.
1550' -1560'	Anhydrite	Anhydrite, with dolomite and shale.

1560' -1570'	Anhydrite	Anhydrite, with minor amounts of dolomite; some argillaceous content.
1570' -1580'	Anhydrite	Anhydrite, with minor amounts of dolomite; some argillaceous content.
1580' -1590'	Anhydrite	Anhydrite, with minor amounts of dolomite; some argillaceous content.
1590' -1600'	Anhydrite	Anhydrite, with minor amounts of dolomite; some argillaceous content.
1600' -1610'	Anhydrite	Anhydrite, with minor amounts of dolomite; some argillaceous content.
1610' -1620'	Anhydrite	Anhydrite, with minor amounts of dolomite; some argillaceous content.
1620' -1630'	Anhydrite	Anhydrite, with minor amounts of dolomite; some argillaceous content.
1630' -1640'	Anhydrite	Anhydrite, with minor amounts of dolomite; some argillaceous content.
1640' -1650'	Anhydrite	Anhydrite, with minor amounts of dolomite; some argillaceous content.
1650' -1660'	Anhydrite	Anhydrite, with minor amounts of dolomite; some argillaceous content.
1660' -1670'	Anhydrite	Anhydrite, with minor amounts of dolomite; some argillaceous content.
1670' -1680'	Anhydrite -Dolomite	Anhydrite and dolomite, with argillaceous content.
1680' -1690'	Anhydrite -Dolomite	Anhydrite and dolomite, with argillaceous content.
1690' -1700'	Anhydrite -Dolomite	Anhydrite and dolomite, with argillaceous content.
1700' -1710'	Anhydrite -Dolomite	Anhydrite and dolomite, with argillaceous content.

1710' -1720'	Dolomite -Anhydrite	Dolomite with minor amounts of anhydrite; some argillaceous content.
1720' -1730'	Dolomite -Anhydrite	Dolomite, with minor amounts of anhydrite; some argillaceous content.
1730' -1740'	Dolomite	Dolomite, with some anhydrite and argillaceous content.
1740' -1780'		CORED INTERVAL. Please consult core description.
1780' -1790'	Dolomite	Dolomite with some argillaceous content and traces of anhydrite.
1790' -1800'	Dolomite	Dolomite, with some argillaceous content and traces of anhydrite.
1800' -1810'	Dolomite	Dolomite, with some argillaceous content and traces of anhydrite.
1810' -1820'	Dolomite	Dolomite, with some argillaceous content and traces of anhydrite.
1820' -1830'	Dolomite	Dolomite, with some argillaceous content and traces of anhydrite.
1830' -1840'	Dolomite	Dolomite, with some argillaceous content and traces of anhydrite.
1840' -1850'	Dolomite	Dolomite, with some argillaceous content and traces of anhydrite.
1850' -1860'	Dolomite	Dolomite, with some argillaceous content and traces of anhydrite.
1860' -1870'	Dolomite	Dolomite, with some argillaceous content and traces of anhydrite.
1870' -1880'	Dolomite	Dolomite, with some argillaceous content and traces of anhydrite.
1880' -1890'	Dolomite	Dolomite, with some argillaceous content and traces of anhydrite.

1890' -1900'	Dolomite	Dolomite, with some argillaceous content and traces of anhydrite.
1900' -1910'	Dolomite	Dolomite, with some argillaceous content, and traces of anhydrite.
1910' -1920'	Dolomite	Dolomite with some argillaceous content and traces of anhydrite.
1920' -1930'	Dolomite	Dolomite, with some argillaceous content and traces of anhydrite.
1930' -1940'	Dolomite	Dolomite, with some argillaceous content and traces of anhydrite.
1940' -1950'	Dolomite	Dolomite, with some argillaceous content and traces of anhydrite.
1950' -1960'	Dolomite	Dolomite, with some argillaceous content and traces of anhydrite.
1960' -1970'	Dolomite	Dolomite, with traces of anhydrite and argillaceous content.
1970' -1980'	Dolomite	Dolomite, with traces of anhydrite and shale.
1980' -1990'	Dolomite	Dolomite, with traces of anhydrite and shale.
1990' -2000'	Dolomite	Dolomite, with traces of anhydrite and shale.
2000' -2010'	Dolomite	Dolomite, with traces of anhydrite and shale.
2010' -2020'	Dolomite	Dolomite, with traces of anhydrite and shale.
2020' -2030'	Dolomite	Dolomite, with traces of anhydrite and shale.
2030' -2040'	Anhydrite	Anhydrite, with traces of dolomite and shale.

2040' -2050'	Anhydrite	Anhydrite, with traces of dolomite and shale.
2050' -2060'	Anhydrite	Anhydrite, with traces of dolomite and shale.
2060' -2070'	Anhydrite	Anhydrite, with traces of dolomite and shale.
2070' -2080'	Anhydrite	Anhydrite, with traces of dolomite; minor amounts of shale.
2080' -2090'	Anhydrite	Anhydrite, with traces of dolomite; minor amounts of shale.
2090' -2100'	Anhydrite	Anhydrite, with traces of dolomite; minor amounts of shale.
2100' -2110'	Anhydrite	Anhydrite, with traces of shale; minor amounts of dolomite.
2110' -2120'	Anhydrite	Anhydrite, with traces of shale; minor amounts of dolomite.
2120' -2130'	Anhydrite	Anhydrite, with traces of shale; minor amounts of dolomite.
2130' -2140'	Anhydrite	Anhydrite, with traces of shale and dolomite.
2140' -2150'	Anhydrite	Anhydrite, with traces of shale and dolomite.
2150' -2160'	Anhydrite	Anhydrite, with traces of shale and dolomite.
2160' -2170'	Anhydrite	Anhydrite, with traces of shale and dolomite.
2170' -2180'	Anhydrite	Anhydrite, with traces of shale and dolomite.
2180' -2190'	Anhydrite	Anhydrite, with traces of shale and dolomite.
2190' -2200'	Anhydrite	Anhydrite, with traces of shale and dolomite.

2200' -2210'	Anhydrite	Anhydrite, with minor amounts of shale and dolomite.
2210' -2220'	Anhydrite	Anhydrite, with minor amounts of shale and dolomite.
2220' -2230'	Anhydrite	Anhydrite, with minor amounts of shale and dolomite.
2230' -2240'	Anhydrite	Anhydrite, with minor amounts of shale and dolomite.
2240' -2250'	Anhydrite	Anhydrite, with minor amounts of shale and dolomite.
2250' -2260'	Anhydrite -Shale	Anhydrite, with minor amounts of shale; traces of dolomite.
2260' -2270'	Anhydrite -Shale	Anhydrite, with minor amounts of shale; traces of dolomite.
2270' -2280'	Shale -Anhydrite	Shale, with minor amounts of anhydrite; some dolomitic content.
2280' -2290'	Shale -Anhydrite	Shale, with minor amounts of anhydrite; some dolomitic content.
2290' -2300'	Anhydrite -Dolomite	Anhydrite, with dolomite; minor amounts of shale.
2300' -2310'	Anhydrite -Dolomite	Anhydrite, with dolomite; minor amounts of shale.
2310' -2320'	Dolomite -Anhydrite	Dolomite, with anhydrite; minor amounts of shale.
2320' -2330'	Dolomite -Anhydrite	Dolomite, with anhydrite; minor amounts of shale.
2330' -2340'	Dolomite -Anhydrite	Dolomite, with anhydrite; minor amounts of shale.
2340' -2350'	Dolomite	Dolomite, with minor amounts of anhydrite and shale.

2350' -2360'	Dolomite	Dolomite, traces of shale and anhydrite.
2360' -2370'	Dolomite -Quartzite	Dolomite, with quartzite; traces of shale and anhydrite.
2370' -2380'	Dolomite -Quartzite	Dolomite, with quartzite; traces of shale and anhydrite.
2380' -2382'	Quartzite	Quartzite, with minor amounts of dolomite; traces of shale.
2382' -2390'	Quartzite	Massive, clear quartzite; with traces of dolomite and shale.
2390' -2396'	Quartzite	Massive, clear quartzite and pink, micaceous quartz; traces of shale.

APPENDIX B

SHELL HUDSON'S BAY CRATER J-72

LATITUDE: 60° 21' 40.34"

T.D. 2396'

LONGITUDE: 115° 43' 44.91"

K.B. 894'

CORED INTERVAL: 1738' -1779'.

1738' -1740'	Dolomite	Dolomite, medium grey brown; traces of anhydrite.
1740' -1745'	Dolomite	Dolomite, medium dark brown, traces of anhydrite vugs and shale.
1745' -1750'	Dolomite	Dolomite, light medium grey brown, some anhydrite vugs; traces of shale. Dolomite is slightly sucrosic; average porosity is 3% vuggy.
1750' -1755'	Dolomite	Dolomite, medium dark grey brown, traces of shale; some anhydrite vugs; average vuggy porosity is 2%.
1755' -1760'	Dolomite	Dolomite, slightly sucrosic, traces of shale and anhydrite vugs.
1760' -1765'	Dolomite	Dolomite, crystalline, light grey brown, traces of bedded anhydrite; one streak of dark brown shale.
1765' -1766'	Anhydrite	Anhydrite, light grey, fractured.
1766' -1769'	Anhydrite	Anhydrite, light medium grey brown, traces of shale; minor amounts of dolomite.
1769' -1770'	Dolomite	Dolomite, crystalline; traces of shale.

1770' -1775'

Dolomite

Dolomite, fossiliferous, crystalline;
traces of anhydrite; shale streaks.

1775' -1779'

Dolomite

Dolomite, fossiliferous, crystalline;
some fractured and bedded anhydrite,
traces of shale and some dark brown
shale streaks.

Field: Wildcat

X.B. 468

Formation: Key River

[illegible]

[illegible]



DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
RESOURCE MANAGEMENT DIVISION

WELL-SITE INSPECTION REPORT

FROM: Field Office or Area: District 4 Date: January 20, 1972.

TO: The Oil Conservation Engineer:

RE: Shell HB Grumbler J-72

Location: 60°21'40" N. 115°43'45" W. Status: D & A 13/2/69 T.D. 2396

This location was inspected by the undersigned on October 21, 1971.

The location is in satisfactory/unsatisfactory condition.

The following items require attention:

1. See below.
2. 2' - 3' of snow on lease.
3.
4.
5.
6.

Other comments and recommendations: (Include Map, if necessary for clarity)

2' - 3' of snow covered lease. Shell was clearing road out to lease in an attempt to clean-up the lease. Dug down to top of casing and dumped 5 gallons of water around well lead. Lazy bubbles of gas came up through the water. This well should be reinspected during the summer months to determine if remedial work will be required at the well. Based on Mr. D. Bohuns report made on November 1, 1971 further inspections should be made to determine the source of the gas.

Inspected by 



File No.
Drilling Authority No. 341

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT

RESOURCE MANAGEMENT DIVISION

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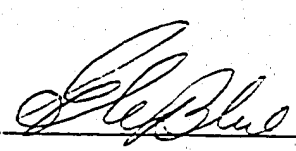
The location is in satisfactory/unsatisfactory condition.

The following items require attention:

1. See below.
2. 2' - 3' of snow on lease.
3. _____
4. _____
5. _____
6. _____

Other comments and recommendations: (Include Map, if necessary for clarity)

2' - 3' of snow covered lease. Shell was clearing road out to lease in an attempt to clean-up the lease. Dug down to top of casing and dumped 5 gallons of water around well lead. Lazy bubbles of gas came up through the water. This well should be reinspected during the summer months to determine if remedial work will be required at the well. Based on Mr. D. Bohuns report made on November 1, 1971 further inspections should be made to determine the source of the gas.

Inspected by 

DAILY DRILLING REPORT

REPORT NO.

DATE Feb. 12/69

OPERATOR SHELL CANADA LIMITED	LOCATION Lat. 60° 21' 40.34" N Long. 115° 43' 44.81" W	SEC. JWP. RGE. W. WELL NAME Shell H.B. Drumbler J-72	No.	PROVINCE NWT.
CONTRACTOR <i>Leeds</i>	RIG No. 94	DRILL PIPE STRING NO. SIZE TOOL JOINT TYPE THD.	OD	PUMPS MANUFACTURER TYPE STROKE LENGTH
OPERATOR'S REPRESENTATIVE <i>R.W. Miller</i>	CONTRACTOR'S TOOL PUSHER <i>R. Kealey</i>	CASING & LINER RECORD SIZE WT. & GR. DEPTH SET FROM TO PERFORATIONS FROM TO CEMENT USED OTHER		

TIME DISTRIBUTION—HOURS

	MORNING	AFTERNOON	EVENING
DRILLING ACTUAL			
REAMING			
CIRCULATING			
TRIPS			
DEVIATION SURVEY			
TEST B.O.P.			
CUT OFF DRILL LINE			
REPAIR RIG			
CORING			
WIRE LINE LOGGING			
OTHER			

FISHING

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. 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
	STANDS DP	FT. RUN NO.												TIME
	SNGLS. DP	FT. SIZE												WEIGHT
	D.C. ID	MFG.												VISC
	OD	FT. TYPE												W.L.C.C.
	RMR BODY OD	FT. NOZ. NO.												FLTR. CK.
	STB BODY OD	FT. NOZ. SIZE												PH
	SUBS OD	FT. SER. NO.												SD. CONT.
	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													

Raw Plug #1 2396' - 2106' @ 60 sack const. cement
Plug down @ 3:00 P.M. By Leeds
(while running Plug #1 power cementing unit broke down)

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
	STANDS DP	FT. RUN NO.												TIME
	SNGLS. DP	FT. SIZE												WEIGHT
	D.C. ID	MFG.												VISC
	OD	FT. TYPE												W.L.C.C.
	RMR BODY OD	FT. NOZ. NO.												FLTR. CK.
	STB BODY OD	FT. NOZ. SIZE												PH
	SUBS OD	FT. SER. NO.												SD. CONT.
	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													

Start on cement trucks 8:00 - 12:00
Rig to + finish Plug #1 - finish + run Plug #2 12:00 - 2:00
W.O.C. 2:00 - 4:00
Completion of Plug #1 2106' - 1600' @ 96 sack const. cement
Plug down @ 12:30 P.M. By Howes
Run Plug #2 1270 - 940 w/ 120 sacks Const. + 3% CaCl₂
Plug down @ 2:00 pm

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
	STANDS DP	FT. RUN NO.												TIME
	SNGLS. DP	FT. SIZE												WEIGHT
	D.C. ID	MFG.												VISC
	OD	FT. TYPE												W.L.C.C.
	RMR BODY OD	FT. NOZ. NO.												FLTR. CK.
	STB BODY OD	FT. NOZ. SIZE												PH
	SUBS OD	FT. SER. NO.												SD. CONT.
	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													

Plug #2 @ 915' @ 10:00 P.M.
4:00 - 10:00 W.O.C.
10:00 - 10:45 Running Plug #3
10:45 - 11:30 Laying down pipe
11:30 - 12:00 Laying out B.O.P.
Run Plug #3 280' - surface @ 65 sack const. cement
Plug down @ 10:45 P.M.
Steve Scott

DAILY DRILLING REPORT

REPORT NO. 17

DATE Feb. 11/69

OPERATOR		LOCATION		LSD.		SEC.		TWP.		RGE.		W.		WELL NAME		No.		PROVINCE													
SHELL CANADA LIMITED		Lat. 60° 21' 40.34"		Long. 115° 43' 44.81"										Shell H.B. Driller J-72				NWT.													
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							
Hedco		94								NO. MANUFACTURER TYPE STROKE LENGTH		1. 2. 3.																			
OPERATOR'S REPRESENTATIVE		CONTRACTOR'S TOOL PUSHER																													
R.W. Miller		A. Kuehly																													
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				STANDS DP		FT. RUN NO.																								TIME	
REAMING				SNGLS. DP		FT. SIZE																						WEIGHT			
CIRCULATING				D.C. ID		MFG.																						VISC			
TRIPS				RMR BODY OD		FT. NO. NO.																						W.L.C.C.			
DEVIATION SURVEY				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						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		C.L. Pymth																									
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				RMR BODY OD		FT. NO. 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:						CUMULATIVE HOURS RUN																									
OPERATOR'S TIME:				KELLY DOWN		FT. COND. OF BIT																									
HRS. W/D.P.:				TOTAL		FT. REAMER CUTTER NO.																									
HRS. WO/D.P.:				WT. OF STRING		LBS. TYPE																									
HRS. STANDBY				DRILLER		Jim Rose																									
WIRE LINE RECORD				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	
REEL NO				STANDS DP		FT. RUN NO.																						TIME			
NO. OF LINES SIZE				SNGLS. DP		FT. SIZE																						WEIGHT			
FEET SLIPPED				D.C. ID		MFG.																						VISC			
FEET CUT OFF				RMR BODY OD		FT. NO. NO.																						W.L.C.C.			
PRESENT LENGTH				STB BODY OD		FT. NOZ. SIZE																						FLTR. CK.			
TON MI. OF TRIPS SINCE LAST CUT				SUBS OD		FT. SER. NO.																						PH			
CUMULATIVE TON MI. OF TRIPS				BIT OR C.B.		FT. DEPTH OUT																						SD. CONT.			
NO. OF DAYS FROM SPUD						CUMULATIVE HOURS RUN																									
CUMULATIVE ROTATING HRS.				KELLY DOWN		FT. COND. OF BIT																									
				TOTAL		FT. REAMER CUTTER NO.																									
				WT. OF STRING		LBS. TYPE																									
				DRILLER		Steve Scott																									

8:00 8:30 Logging
8:30-4:00 Wait on Orders.

RAN DRILLER AREA:
1EL 2396-228 2" x 5" scales Dip Log 2396-228
A/LGR 2396-228 2" x 5" scales SRS
Density 2396-228 2" x 5" scales

4:00 9:30 WAIT ON ORDERS.
9:30 10:30 LAY DOWN COLLARS
10:30 12:00 RUN IN OPEN END

[illegible]

[illegible]

PROVINCE

38 (10/83)

DATE: 10/11/83		TIME: 11:00		WELL NAME: SHELL H/B GRUMBLER		No. J-72		PROVINCE: NWT	
OPERATOR: SHELL CANADA LIMITED		LOCATION: 60° 21' 40.34" N 115° 43' 44.81" W		TWP. 17S RGE. 1E		SEC. 3		OTHER: NWT	
CONTRACTOR: SECOO DRILLING		RIG No. 94		DRILL PIPE STRING NO. SIZE		TOOL JOINT: JF OD		PUMPS	
OPERATOR'S REPRESENTATIVE: R.W. Miller		CONTRACTOR'S TOOL PUSHER: R. Kelly		TYPE THD.		NO. 1. MANUFACTURER: NAT. TYPE: C-150-B STROKE LENGTH: 12.		CASING & LINER RECORD	
TIME DISTRIBUTION—HOURS		NO. DRILLING ASSEMBLY		BIT RECORD		HRS. DRLD.		CORE NO.	
GRILLING ACTUAL: 1/4 3		STANDS DP: 16		RUN NO. 6		FROM: 1738		TO: 1745	
REAMING: 4 3/4		SNGLS. DP: 16		SIZE: 6 1/4		FORMATION (SHOW CORE RECOVERY):		ROTA- RY R.P.M.	
CIRCULATING: 4 3/4 3/4		D.C. 1 1/2 ID		MFG. HW		DEPTH: 1738		WT. ON BIT 1000#	
TRIPS: 2 3 2 1/2		4 3/4 OD		TYPE: HWU-J		DEV. DIRECTION: 1738		PUMP PRESS.	
DEVIATION SURVEY: 1/4		RMR BODY OD		NO. 3		DEPTH: 1738		PUMP NO. 1	
TEST B.O.P.:		STB BODY OD		NO. 3		DEPTH: 1738		PUMP NO. 2	
CUT OFF DRILL LINE:		SUBS OD		SER. NO. 8409		DEPTH: 1738		METHOD PUMPS RUN	
REPAIR RIG:		BIT OR C.B.		DEPTH OUT: 1740		DEPTH: 1738		TIME: 12:00	
CORING:		KELLY DOWN		COND. OF BIT: 2-2-1		DEPTH: 1738		WEIGHT: 9.4	
WIRE LINE LOGGING:		TOTAL		REAMER CUTTER NO.		DEPTH: 1738		VISC: 38	
OTHER: 1 1 1		WT. OF STRING		LBS. TYPE		DEPTH: 1738		W.L.C.C. 8.9	
FISHING:		DRILLER: J. Scott		TYPE		DEPTH: 1738		FLTR. CK. 1/52	
COMPLETING (A) PERFORATING		NO. DRILLING ASSEMBLY		BIT RECORD		HRS. DRLD.		CORE NO.	
(B) RUNNING TUBING		STANDS DP: 16		RUN NO. 7B		FROM: 1738		TO: 1745	
(C) SWABBING		SNGLS. DP: 16		SIZE: 6 3/4		FORMATION (SHOW CORE RECOVERY):		ROTA- RY R.P.M.	
(D) TESTING		D.C. 1 1/2 ID		MFG. H.W		DEPTH: 1738		WT. ON BIT 1000#	
(E) ACIDIZING		4 3/4 OD		TYPE: D		DEV. DIRECTION: 1738		PUMP PRESS.	
(F) ADDITIONAL		RMR BODY OD		NO. 3		DEPTH: 1738		PUMP NO. 1	
TOTALS: 8 8 8		STB BODY OD		NO. 3		DEPTH: 1738		PUMP NO. 2	
TIME SUMMARY (OFFICE USE ONLY)		SUBS 4 3/4		SER. NO. 3346		DEPTH: 1738		METHOD PUMPS RUN	
CONTRACTOR'S TIME HRS:		BIT OR C.B.		DEPTH OUT: 1745		DEPTH: 1738		TIME: 12:00	
OPERATOR'S TIME:		KELLY DOWN		COND. OF BIT: 2-2-1		DEPTH: 1738		WEIGHT: 9.2	
HRS. W/D.P.:		TOTAL		REAMER CUTTER NO.		DEPTH: 1738		VISC: 48	
HRS. WO/D.P.:		WT. OF STRING		LBS. TYPE		DEPTH: 1738		W.L.C.C.	
HRS. STANDBY:		DRILLER: C. L. Paguette		TYPE		DEPTH: 1738		FLTR. CK.	
WIRE LINE RECORD		NO. DRILLING ASSEMBLY		BIT RECORD		HRS. DRLD.		CORE NO.	
REEL NO:		STANDS DP: 16		RUN NO. 1B		FROM: 1745		TO: 1754	
NO. OF LINES: SIZE:		SNGLS. DP: 16		SIZE: 6 3/4		FORMATION (SHOW CORE RECOVERY):		ROTA- RY R.P.M.	
FEET SLIPPED:		D.C. 1 1/2 ID		MFG. D.		DEPTH: 1745		WT. ON BIT 1000#	
FEET CUT OFF:		4 3/4 OD		TYPE: D		DEV. DIRECTION: 1745		PUMP PRESS.	
PRESENT LENGTH:		RMR BODY OD		NO. 3		DEPTH: 1745		PUMP NO. 1	
TON MI. OF TRIPS SINCE LAST CUT:		STB BODY OD		NO. 3		DEPTH: 1745		PUMP NO. 2	
CUMULATIVE TON MI. OF TRIPS:		SUBS OD		SER. NO. 33.66		DEPTH: 1745		METHOD PUMPS RUN	
NO. OF DAYS FROM SPUD:		BIT OR C.B.		DEPTH OUT: 1745		DEPTH: 1745		TIME: 12:00	
CUMULATIVE ROTATING HRS.:		KELLY DOWN		COND. OF BIT: 2-2-1		DEPTH: 1745		WEIGHT: 9.2	
		TOTAL		REAMER CUTTER NO.		DEPTH: 1745		VISC: 58	
		WT. OF STRING		LBS. TYPE		DEPTH: 1745		W.L.C.C.	
		DRILLER: J. Ross		TYPE		DEPTH: 1745		FLTR. CK.	
		NO. DRILLING ASSEMBLY		BIT RECORD		HRS. DRLD.		CORE NO.	
		STANDS DP: 16		RUN NO. 1B		FROM: 1745		TO: 1754	
		SNGLS. DP: 16		SIZE: 6 3/4		FORMATION (SHOW CORE RECOVERY):		ROTA- RY R.P.M.	
		D.C. 1 1/2 ID		MFG. D.		DEPTH: 1745		WT. ON BIT 1000#	
		4 3/4 OD		TYPE: D		DEV. DIRECTION: 1745		PUMP PRESS.	
		RMR BODY OD		NO. 3		DEPTH: 1745		PUMP NO. 1	
		STB BODY OD		NO. 3		DEPTH: 1745		PUMP NO. 2	
		SUBS OD		SER. NO. 33.66		DEPTH: 1745		METHOD PUMPS RUN	
		BIT OR C.B.		DEPTH OUT: 1745		DEPTH: 1745		TIME: 12:00	
		KELLY DOWN		COND. OF BIT: 2-2-1		DEPTH: 1745		WEIGHT: 9.2	
		TOTAL		REAMER CUTTER NO.		DEPTH: 1745		VISC: 58	
		WT. OF STRING							

[illegible]

OPERATOR		SHELL CANADA LIMITED		LOCATION		LSD.		SEC.		TWP.		RGE.		W.		WELL NAME		No.		PROVINCE		NWT.																			
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		K.W. Miller		CONTRACTOR'S TOOL PUSHER		K. Hilary		NO.		MANUFACTURER		TYPE		STROKE LENGTH		1. NAT.		C150B.		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					
DRILLING ACTUAL		7 3/4		7 1/4		5 1/2		16		STANDS DP		1015.45 FT.		RUN NO.		4		7 3/4		1451		1515		110		20		550		5		68		TIME		4:44		6:44			
REAMING								16		D.C. 1 3/8 ID		466.33 FT.		MFG.		H.W.																		WEIGHT		9.2		9.2			
CIRCULATING								16		RMR BODY OD		466.33 FT.		TYPE		H.W.																VISC		52		47					
TRIPS						2 1/4		16		STB BODY OD		466.33 FT.		NOZ.		NO.		3														W.L.C.C.		9.7		9.9					
DEVIATION SURVEY								16		SUBS OD		120 FT.		SER. NO.		5081		1200		Drill												FLTR. CK.		2 1/2		3 1/2					
TEST B.O.P						✓		16		BIT OR C.B.		120 FT.		DEPTH OUT		100		Drill														PH		9.5		9.5					
CUT OFF DRILL LINE								16		KELLY DOWN		33 FT.		COND. OF BIT		Rmr																SD. CONT.									
REPAIR RIG						1/4		16		TOTAL		1515 FT.		REAMER CUTTER NO.																											
CORING								16		WT. OF STRING		28000 LBS.		TYPE																											
WIRE LINE LOGGING								16		DRILLER		P. Ross																													
OTHER		1/4		1/2		1/4		16		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			
FISHING								16		STANDS DP		1515 FT.		RUN NO.		1515		1567																TIME		8:00		12:00		3:00	
COMPLETING (A) PERFORATING								16		SNGLS. DP		1515 FT.		SIZE		1515		1567														WEIGHT		9.3		9.3		9.4			
(B) RUNNING TUBING								16		D.C. 1 3/8 ID		466.33 FT.		MFG.		H.W.																VISC		41		46		44			
(C) SWABBING								16		RMR BODY OD		466.33 FT.		TYPE		H.W.																W.L.C.C.		11		11					
(D) TESTING								16		STB BODY OD		466.33 FT.		NOZ.		NO.		3														FLTR. CK.		2 1/2		3 1/2					
(E) ACIDIZING								16		SUBS OD		120 FT.		SER. NO.		5081		1200		Drill												PH		11		11					
(F) ADDITIONAL								16		BIT OR C.B.		120 FT.		DEPTH OUT		100		Drill														SD. CONT.									
TOTALS		3		3		3		16		KELLY DOWN																															

Jan 30/69

OPERATOR SHELL CANADA LIMITED		LOCATION Lat. 60° 21' 40.34" Long. 115° 43' 44.81"	SEC. TWP. RGE. W.	WELL NAME Humber I-72	No.	PROVINCE N.W.T.
CONTRACTOR Sedco Drilling	RIG NO. 94.	DRILL PIPE NO. SIZE 3 1/2 OD	PUMPS		CASING & LINER RECORD	DEPTH SET FROM TO
OPERATOR'S REPRESENTATIVE RWM	CONTRACTOR'S TOOL PUSHER K. Kelly	TOOL JOINT TYPE THD. TF	NO.	MANUFACTURER	TYPE	STROKE LENGTH
			1.	NAT.	C-150 B	12
			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 S.P.M.	PUMP NO. 2 LINER SIZE S.P.M.	METHOD PUMPS RUN	MUD RECORD							
DRILLING ACTUAL	MORN	DAY	EVE	27	STANDS DP	FT.	RUN NO.	2											TIME	6 AM						
REAMING					SNGLS. DP	FT.	SIZE	6 1/4		1165	1285			110	20	800	5	64	WEIGHT	8.6						
CIRCULATING				16	D.C. 1 3/4 ID 4 3/4 OD 466.33	FT.	MFG.	HW											VISC	44						
TRIPS					RMR BODY OD	FT.	NO.	3											W.L.CC							
DEVIATION SURVEY					STB BODY OD	FT.	NOZ.	SIZE 2 1/2		DEVIATION RECORD:	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	FLTR. CK.							
TEST B.O.P.					SUBS OD	FT.	SER. NO.	7151		1200									PH							
CUT OFF DRILL LINE					BIT OR C.B.	FT.	DEPTH OUT			1191	34								SD. CONT.							
REPAIR RIG						FT.	CUMULATIVE HOURS RUN	17 1/2		115																
CORING					KELLY DOWN	4	FT.	COND. OF BIT		145																
WIRE LINE LOGGING					TOTAL	FT.	REAMER CUTTER NO.			790																
OTHER					WT. OF STRING	25000	LBS.	TYPE		REMARKS Drill Log + B.D.P. & Survey. Drill. Circ Cond Mud & Hole to Core.*										MUD & CHEMICALS ADDED TYPE AMT. TYPE AMT. Soda Ash 200						
FISHING					DRILLER	L. Ross																				

TIME SUMMARY (OFFICE USE ONLY)				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							
CONTRACTOR'S TIME HRS.				27	STANDS DP	FT.	RUN NO.	2											TIME	12 noon	2 pm					
OPERATOR'S TIME:					SNGLS. DP	FT.	SIZE	6 1/4		1285									WEIGHT	8.6	8.6					
HRS. W/D.P.				16	D.C. 1 3/4 ID 4 3/4 OD 466.33	FT.	MFG.	HW											VISC	58	60					
HRS. WO/D.P.					RMR BODY OD	FT.	NO.	3											W.L.CC	8.9						
HRS. STANDBY					STB BODY OD	FT.	NOZ.	SIZE 2 1/2		DEVIATION RECORD:	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	FLTR. CK.	3/32						
WIRE LINE RECORD					SUBS OD	FT.	SER. NO.	7151		8:00	12:45	CIRC COND. MUD *							PH	10.0						
					BIT OR C.B.	FT.	DEPTH OUT			1:45	1:15	DUMMY TRIP *							SD. CONT.							
						FT.	CUMULATIVE HOURS RUN			1:15	4:00	CIRC COND HOLE TO CORE + WAIT ON CORE HAND *														
					KELLY DOWN	FT.	COND. OF BIT																			
					TOTAL	FT.	REAMER CUTTER NO.																			
					WT. OF STRING		LBS.	TYPE		REMARKS										MUD & CHEMICALS ADDED TYPE AMT. TYPE AMT. CMC 50 SPERESNE 100 GEL 800						
					DRILLER	S. Scott																				

REEL NO				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							
NO. OF LINES	SIZE			27	STANDS DP	FT.	RUN NO.	2											TIME	4 PM	6 PM	8 PM				
FEET SLIPPED					SNGLS. DP	FT.	SIZE	6 1/4		1285	1311								WEIGHT	8.5	8.6	8.5				
FEET CUT OFF				16	D.C. 1 3/4 ID 4 3/4 OD 466.33	FT.	MFG.	HW											VISC	55	54	46				
PRESENT LENGTH					RMR BODY OD	FT.	NO.	3											W.L.CC							
TON MI. or TRIPS SINCE LAST CUT					STB BODY OD	FT.	NOZ.	SIZE 2 1/2		DEVIATION RECORD:	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	FLTR. CK.							
CUMULATIVE TON MI. or TRIPS					SUBS OD	FT.	SER. NO.	7151		4:00	5:00	W.O. ORDERS *							PH							
NO. OF DAYS FROM SPUD					BIT OR C.B.	FT.	DEPTH OUT			5:00	5:45	DRILL							SD. CONT.							
CUMULATIVE ROTATING HRS.						FT.	CUMULATIVE HOURS RUN	20 1/4		5:45	6:15	W.O. PUMP														
					KELLY DOWN	38	FT.	COND. OF BIT		6:15	8:00	DRILL														
					TOTAL	1311	FT.	REAMER CUTTER NO.		8:00	9:30	TRIP FOR BIT														
					WT. OF STRING		LBS.	TYPE		9:30	12:00	CHANGE HEAD & LINER IN PUMP														
					DRILLER	C. L. Paguette																				

[illegible]

DAILY DRILLING REPORT

REPORT NO. 3

DATE

Jan 27/69

OPERATOR SHELL CANADA LIMITED		LOCATION LSD. SEC. TWP. RGE. W.		WELL NAME		No.		PROVINCE	
CONTRACTOR Sedco		RIG No. 94		DRILL PIPE STRING NO. SIZE		TOOL JOINT		OD	
OPERATOR'S REPRESENTATIVE R.W. Mille		CONTRACTOR'S TOOL PUSHER H. Kieley		PUMPS		CASING & LINER RECORD		PERFORATIONS	
				NO. MANUFACTURER TYPE STROKE LENGTH		SIZE WT. & GR. DEPTH SET FROM TO		CEMENT USED OTHER	
				1.					
				2.					
				3.					

TIME DISTRIBUTION—HOURS

MORN DAY EVE

DRILLING ACTUAL

REAMING

CIRCULATING

TRIPS

DEVIATION SURVEY

TEST B.O.P.

CUT OFF DRILL LINE

REPAIR RIG

CORING

WIRE LINE LOGGING

OTHER

FISHING

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. OF TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OF TRIPS

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

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	
	STANDS DP	FT.	RUN NO.	SIZE									LINEAR SIZE	S.P.M.	LINEAR SIZE	S.P.M.		TIME	WEIGHT
	SNGLS. DP	FT.	SIZE																
	D.C. ID	FT.	MFG.																
	OD	FT.	TYPE																
	RMR BODY OD	FT.	NO. 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																		

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	
	STANDS DP	FT.	RUN NO.	SIZE									LINEAR SIZE	S.P.M.	LINEAR SIZE	S.P.M.		TIME	WEIGHT
	SNGLS. DP	FT.	SIZE																
	D.C. ID	FT.	MFG.																
	OD	FT.	TYPE																
	RMR BODY OD	FT.	NO. 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																		

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	
	STANDS DP	FT.	RUN NO.	SIZE									LINEAR SIZE	S.P.M.	LINEAR SIZE	S.P.M.		TIME	WEIGHT
	SNGLS. DP	FT.	SIZE																
	D.C. ID	FT.	MFG.																
	OD	FT.	TYPE																
	RMR BODY OD	FT.	NO. 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																		

[illegible]

OPERATOR		SHELL CANADA LIMITED		LOCATION		TWP.		W.		WELL NAME		No.		PROVINCE	
CONTRACTOR		RIG No.		DRILL PIPE STRING NO. SIZE		TOOL JOINT		OD		PUMPS		CASING & LINER RECORD		PERFORATIONS	
OPERATOR'S REPRESENTATIVE		CONTRACTOR'S TOOL PUSHER		NO.		MANUFACTURER		TYPE		STROKE LENGTH		SIZE		WT. & GR.	
1.		2.		3.		1.		2.		3.		1.		2.	
TIME DISTRIBUTION—HOURS		MORN		DAY		EVE		NO.		DRILLING ASSEMBLY		BIT RECORD		HRS. DRLD.	
DRILLING ACTUAL		STANDS DP		FT.		RUN NO.		CORE NO.		FROM		TO		FORMATION (SHOW CORE RECOVERY)	
REAMING		SNGLS. DP		FT.		SIZE		DEVIATION RECORD:		DEPTH		DEV.		DIRECTION	
CIRCULATING		D.C. ID		FT.		MFG.		NO.		DEPTH		DEV.		DIRECTION	
TRIPS		RMR BODY OD		FT.		NO.		NO.		DEPTH		DEV.		DIRECTION	
DEVIATION SURVEY		STB BODY OD		FT.		NO.		NO.		DEPTH		DEV.		DIRECTION	
TEST B.O.P.		SUBS OD		FT.		SER. NO.		NO.		DEPTH		DEV.		DIRECTION	
CUT OFF DRILL LINE		BIT OR C.B.		FT.		DEPTH OUT		NO.		DEPTH		DEV.		DIRECTION	
REPAIR RIG		KELLY DOWN		FT.		COND. OF BIT		NO.		DEPTH		DEV.		DIRECTION	
COBING		TOTAL		FT.		REAMER CUTTER NO.		NO.		DEPTH		DEV.		DIRECTION	
WIRE LINE LOGGING		WT. OF STRING		LBS.		TYPE		NO.		DEPTH		DEV.		DIRECTION	
OTHER		DRILLER		NO.		DRILLING ASSEMBLY		BIT RECORD		HRS. DRLD.		CORE NO.		FORMATION (SHOW CORE RECOVERY)	
FISHING		STANDS DP		FT.		RUN NO.		CORE NO.		FROM		TO		FORMATION (SHOW CORE RECOVERY)	
COMPLETING (A) PERFORATING		SNGLS. DP		FT.		SIZE		DEVIATION RECORD:		DEPTH		DEV.		DIRECTION	
(B) RUNNING TUBING		D.C. ID		FT.		MFG.		NO.		DEPTH		DEV.		DIRECTION	
(C) SWABBING		RMR BODY OD		FT.		NO.		NO.		DEPTH		DEV.		DIRECTION	
(D) TESTING		STB BODY OD		FT.		NO.		NO.		DEPTH		DEV.		DIRECTION	
(E) ACIDIZING		SUBS OD		FT.		SER. NO.		NO.		DEPTH		DEV.		DIRECTION	
(F) ADDITIONAL		BIT OR C.B.		FT.		DEPTH OUT		NO.		DEPTH		DEV.		DIRECTION	
TOTALS		KELLY DOWN		FT.		COND. OF BIT		NO.		DEPTH		DEV.		DIRECTION	
TIME SUMMARY (OFFICE USE ONLY)		TOTAL		FT.		REAMER CUTTER NO.		NO.		DEPTH		DEV.		DIRECTION	
CONTRACTOR'S TIME HRS:		WT. OF STRING		LBS.		TYPE		NO.		DEPTH		DEV.		DIRECTION	
OPERATOR'S TIME:		DRILLER		NO.		DRILLING ASSEMBLY		BIT RECORD		HRS. DRLD.		CORE NO.		FORMATION (SHOW CORE RECOVERY)	
HRS. W/D.P.:		STANDS DP		FT.		RUN NO.		CORE NO.		FROM		TO		FORMATION (SHOW CORE RECOVERY)	
HRS. WO/D.P.:		SNGLS. DP		FT.		SIZE		DEVIATION RECORD:		DEPTH		DEV.		DIRECTION	
HRS. STANDBY		D.C. ID		FT.		MFG.		NO.		DEPTH		DEV.		DIRECTION	
WIRE LINE RECORD		RMR BODY OD		FT.		NO.		NO.		DEPTH		DEV.		DIRECTION	
REEL NO		STB BODY OD		FT.		NO.		NO.		DEPTH		DEV.		DIRECTION	
NO. OF LINES		SUBS OD		FT.		SER. NO.		NO.		DEPTH		DEV.		DIRECTION	
SIZE		BIT OR C.B.		FT.		DEPTH OUT		NO.		DEPTH		DEV.		DIRECTION	
FEET SLIPPED		KELLY DOWN		FT.		COND. OF BIT		NO.		DEPTH		DEV.		DIRECTION	
FEET CUT OFF		TOTAL		FT.		REAMER CUTTER NO.		NO.		DEPTH		DEV.		DIRECTION	
PRESENT LENGTH		WT. OF STRING		LBS.		TYPE		NO.		DEPTH		DEV.		DIRECTION	
TON MI. OF TRIPS SINCE LAST CUT		DRILLER		NO.		DRILLING ASSEMBLY		BIT RECORD		HRS. DRLD.		CORE NO.		FORMATION (SHOW CORE RECOVERY)	
CUMULATIVE TON MI. OF TRIPS		STANDS DP		FT.		RUN NO.		CORE NO.		FROM		TO		FORMATION (SHOW CORE RECOVERY)	
NO. OF DAYS FROM SPUD		SNGLS. DP		FT.		SIZE		DEVIATION RECORD:		DEPTH		DEV.		DIRECTION	
CUMULATIVE ROTATING HRS.		D.C. ID		FT.		MFG.		NO.		DEPTH		DEV.		DIRECTION	
		RMR BODY OD		FT.		NO.		NO.		DEPTH		DEV.		DIRECTION	
		STB BODY OD		FT.		NO.		NO.		DEPTH		DEV.		DIRECTION	
		SUBS OD		FT.		SER. NO.		NO.		DEPTH		DEV.		DIRECTION	
		BIT OR C.B.		FT.		DEPTH OUT		NO.		DEPTH		DEV.		DIRECTION	
		KELLY DOWN		FT.		COND. OF BIT		NO.		DEPTH		DEV.		DIRECTION	
		TOTAL		FT.		REAMER CUTTER NO.		NO.		DEPTH		DEV.		DIRECTION	
		WT. OF STRING		LBS.		TYPE									