SHELL LIARD NO. 2

D-75

Drilling Authority No.
Date Issued

WELL NAME Shell Liard No. 2
FIELD Wildcat
Area: Fort Liard
LOCATION: Unit 4
Section 75
Grid 64-20 - 122-30
Latitude 61°14' 03.9" N.
Longitude 122°44' 58.9" W.
From Established Reference Marker

Rig Release Date: 6-4-59
Status D & A
Information Release Date 6-4-61

CHANGE OF NAME:

DATE RECEIVED	INDEX
	Application for a Drilling Authority.
	Well Completion Data.
	Well History Report.
	Application to Amend a Drilling Authority.
	Application to change a Well Name.
	Application to Abandon a Well or Suspend Drilling.
	Application to Alter Condition of a Well.
	Well History Supplement.
	Well Completion Data.
	Work-over Report No.
	Application to Commingle Production before Measurement.
	Approval to Commingle Production before Measurement.
	Application to Amend Approval No. to Commingle Production before Measurement.
	Application for M.P.R.—Oil.
	New Oil Well Report.
	New Gas Well Report.
	Well Inspection Report.
	Rig Inspection Report.
	Battery Inspection Report.
	Field Abandonment Programme and Approval.
	Well Card.
	Well Visit.
	Daily Drilling Reports.

NANR 52-90(1-61)

C A N A D A

DEPARTMENT OF NORTHERN AFFAIRS AND NATIONAL RESOURCES

NORTHERN ADMINISTRATION AND LANDS BRANCH

(ABANDONMENT)
(~~[illegible]~~)
(~~[illegible]~~)

REPORT

(Stroke out operations which do not apply)

68,69,70 & 71

To be submitted in triplicate in accordance with Section ~~[illegible]~~ of the Territorial Oil and Gas Regulations to the Conservation Engineer at Edmonton, Alberta.

Name of well: Shell Liard River #2 Permit No. 1012
Lease No.

Registered owner: Shell Oil Co. of Canada Ltd. Drilling Company: Shell Oil Co. of Canada Ltd.

Location: (Survey description) 61° 14' 35.9" N
122° 44' 58.9" W

Elevation: Ground 607 Kelly bushing 622 Depth 2237

Spudded 2/26/59 Finished drilling 4/6/59 Rig released 4/7/59

Deviations from vertical 1/2° @ 878, 3/4° @ 1710, 2-1/2 @ 2145

CASING

	Date	Size O.D.	Weight lbs/foot	Grade	Set at feet	Sacks cement
1.	3/21/59	13-7/8	61 and 54.5#	J-55	1229	650 sacks
2.						
3.						

TUBING

Status of well on completion of drilling D & A

Producing zone —

Cored intervals 1906-1909
2085-2085.5

Interval logged: E-log 1229-2237 M-log 1229-2235
R-log 150-2237 Other

DRILLSTEM TESTS

Test No.	Date	Interval tested	Duration	Results
		none		

(Over)

Test No.	Date	Interval tested	Duration	Results

DEPT. OF NORTHERN AFFAIRS & NATIONAL RESOURCES
CALGARY ALBERTA
JUN 26 1959
Resources, Forestry & Water

Perforations: (Gun.....)
(Det.....) none

Shootings: "

Hydraulically fracturing:

Chemical treatment:

Date Initial Production tests:

Initial production data

Pumping or flowing

Plug back:

Other:

CEMENT PLUGS SET

Date	Plug set at	Sacks cement	Method	Top found at
4/8/59	surface	10 sacks	dropped	surface

Well samples have been sent to: Shell Oil Co. of Canada - Edmonton

Cores will be stored at: Shell Oil Co. of Canada - Edmonton

Electric log is appended: Yes .... No x

Radioactivity log is appended: Yes .... No x

Micrometer log is appended: Yes .... No x

Geologic record or strip log (is / will be) submitted Yes .... No x

Results of tests for porosity, permeability, and saturation of each stratum containing oil, gas or water (are / will be) submitted Yes .... No x

With respect to abandonment we have complied with Section 60(3) and (4) of the Regulations ..... (Initial here) See below

ADDITIONAL DETAILS AND COMMENTS

Erection of marker post and general cleanup of lease will be done when rig is moved off the location.

Signed E. R. Shorey, Jr. Address P. O. Box 186, Edmonton

E. R. Shorey, Jr.

C A N A D A

DEPARTMENT OF NORTHERN AFFAIRS AND NATIONAL RESOURCES

NORTHERN ADMINISTRATION AND LANDS BRANCH

NOTICE OF INTENTION TO (~~PLUG BACK~~) (ABANDON) (~~SUSPEND DRILLING~~) (~~REPAIR DRILLING~~) (~~RESUME DRILLING~~) A WELL

(Stroke out operations which do not apply).

To be submitted in triplicate to the Conservation Engineer at Edmonton, Alberta.

In accordance with Sections ~~66, 68, or 69 of the~~ 68, 69, 71 & 72 Territorial Oil and Gas Regulations, notice is hereby given of our intention to

Abandon the well named ~~Shell Liard River #2~~ on Oil and Gas (Permit No. 1012) (Lease No. .....) registered in the name of Shell Oil Company of Canada Ltd.

Depth 2237 feet. Elevation above sea level: Ground surface 607 ft. Kelly bushing 622 ft.

Location (if not accurately stated in Notice of Intention to Begin Drilling Operations):

..... (N of S boundary) (S of N boundary) of (Permit No.....) (Lease No.....) at approx .....N Lat.

..... (W of E boundary) (E of W boundary) of (Permit No.....) (Lease No.....) at approx .....W Long.

Survey description 61° 14' 05.9" N 122° 44' 58.9" W

CASING RECORD

Size O.D. inches	Weight lbs/ft.	Amount feet	Set at feet	Sacks cement	Method	To be Withdrawn
1. 13-3/8	61.0	299				
2. 13-3/8	54.5	847		530 sacks + 8% gel		
3. 13-3/8	61.0	80	1229	120 sacks + 2% $CaCl_2$	displacement	none

OIL, GAS and WATER

Encountered		Cement plugs to be set		
Oil from ....feet to.....feet.		From .....feet to	.....feet with	.....sacks
none				
Gas from ....feet to.....feet.		From .....feet to	.....feet with	.....sacks.
none				

(Over)

Water from.....feet to .....feet. From.....feet to.....feet with.....sacks.

none

Bottom plug from .....feet to .....feet with .....sacks

Surface plug from ..0....feet to..8...feet with...20.....sacks.

Date of last operations ..April 18, 1959.....Total depth. 2237.....

Nature of liquid in well ..mud.....Level from surface ..81.....

Present condition of well in addition to above: Steel plate and monument not installed at present. We intend to return to the well as soon as conditions permit and install same.

An electric log (will be / ~~will not be~~) run. (strike out what is non-applicable)

On abandonment we shall comply with Section 60 (3) and (4) of the Regulations with respect to filling excavations and marking the well site ..E. R. S. ...(Please Initial)

Program of operation not included above .....

Responsible agents of permittee or lessee in charge of operation:

At well B. W. Little.... At registered office: E. R. Shorey, Jr.....

Postal Address Box 186, Edmonton... Postal Address Shell Oil Co. of Canada Ltd., Box 186, Edmonton

It is understood that if changes in this Notice of Intention become necessary we will promptly notify you.

Dated at Edmonton...this ..13th..day of ...April.....1959..

Signed by E. R. Shorey
E. R. Shorey, Jr.

This program is approved subject to the following provisions:

..and confirms oral approval given by Telephone..

.....m..

20th April 1959 ...
Date

B. G. Thomas
Conservation Engineer

C A N A D A

DEPARTMENT OF NORTHERN AFFAIRS AND NATIONAL RESOURCES

NORTHERN ADMINISTRATION AND LANDS BRANCH

NOTICE OF INTENTION TO BEGIN DRILLING OPERATIONS

(To be submitted in triplicate to the Conservation Engineer at Edmonton, Alberta at least 15 days prior to the commencement of drilling).

In accordance with Section 58 of the Territorial Oil and Gas Regulations, notice is hereby given of our intention to begin drilling a well on Oil and Gas Permit No. * ...registered in the name of Shell Oil Co. of Canada Ltd.
Lease No. .....
* Border of Permits 1012 and 1013 .....

TYPE OF WELL:
Stratigraphic test: ..... Wildcat: X .....
Structure Test: ..... Development: .....
Anticipated number of holes 1 ..... (Required for Structure Test Only)
Expected total depth: 10,000 ..... feet.

The well will be located:

.....(N of S boundary) of (Permit No.....) at approx. 61° 14' N Lat.
(S of N boundary) (Lease No. ....)
.....(W of E boundary) of (Permit No.....) at approx. 122° 47' W Long.
(E of W boundary) (Lease No.....)

Survey description of location Will be forwarded when survey made approximately one week prior to spudding of test.

Approximate surface elevation of 1000 feet above sea level.

Name of well: Shell Liard River No. 2

Type of drilling rig: Rotary - National 100 - Shell owned

Expected date of commencement: July 15

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

	Size O.D. inches	Weight lbs/feet	Grade	Brand	New or used	Estimated depth	Sacks of cement
1.	13-3/4	61 & 54.5	J-55	Dominion	New	1200	770 (1330 cu ft)
2.							
3.							

Expected depth of water, gas and oil horizons and method of control:

Depth and nature of porous horizons are relatively unknown. Adequate control will be maintained with casing, drilling mud and blow out preventors.

(Over)

An electric log (will / ~~will not~~) be run.

The well will be drilled by: Shell Oil Company of Canada, Ltd. (name of company)

CONTRACTOR: Shell Oil Company of Canada, Limited

Responsible agents of permittee or lessee in charge of operation:

At well B.W. Little. . . . . At registered office: E. R. Shorey, Jr. . .

Postal address: Box 186, Edmonton. . Postal address: Box 186, Edmonton, Alberta.

It is understood that if changes in this Notice of Intention become necessary we will promptly notify you.

Dated at . Edmonton . . . . this . . 23rd . . . day of . . . May 1958

Signed by E. R. Shorey Jr. . . . . .

E. R. Shorey, Jr.
Manager
Edmonton Division Production

This program is approved subject to the following provisions (if any):

. . Drilling may be commenced at an earlier date if conditions . . .

. . allow. Please inform this office of the date of spudding. . . .

. . . . . .

. . . . . .

. . 28 May, 1958. . . . . B. R. Thomas . . . . . .

Date

Conservation Engineer

SHELL OIL COMPANY OF CANADA, LIMITED

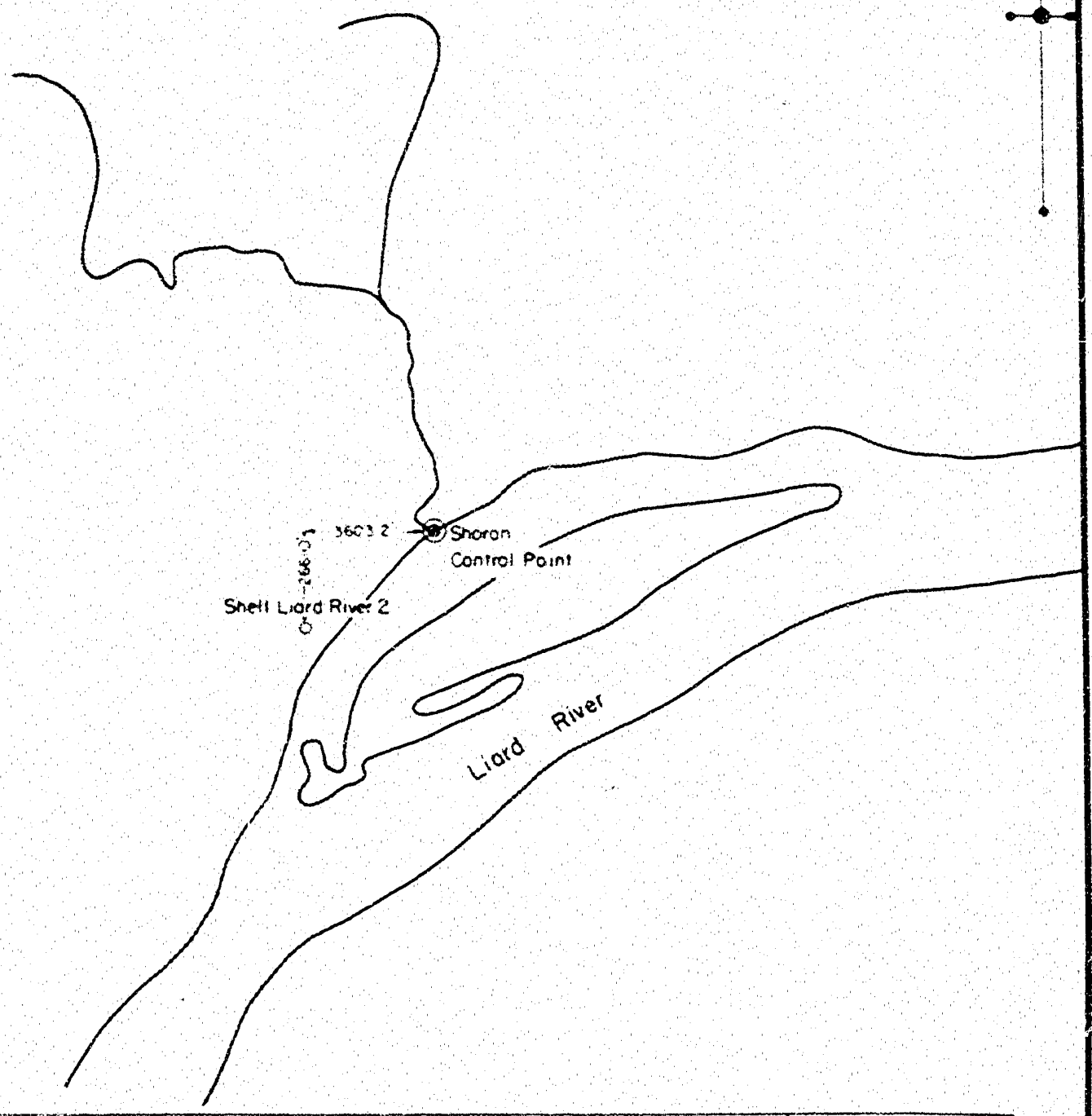
PLAN SHOWING LOCATION OF

SHELL LIARD RIVER Nº 2

Lat. 61° 14' 05·9" Long. 122° 44' 58·9"

Scale 1" = 4000

1958



ELEVATION	DATUM B.M.	AREAS ORIGINAL	AREAS REDUCED	COORDINATES
607·3' gr.	Helicopter Altimeter	WELLSITE ACCESS ROAD TANK BATTERY FLOW LINE TOTAL ———	———	2661·0'S 3603·2'W of Shoran Control Point

I certify that the survey represented by this plan is correct and true to the best of my knowledge and was completed on the 13th day of June 1958

P. Eng.

APPROVED

Survey Monuments found shown thus ♦
2"x2" wooden posts planted shown thus o
Other survey posts found shown thus •
Portions referred to outlined in red

WITNESS

WITNESS

C.P.-38 **DAILY DRILLING REPORT** REPORT NO. DATE April 8/59

OPERATOR	LOCATION LSD. SEC. TWP. RGE. W.	WELL NAME Shell Liard River	No. 2	PROVINCE NWT.

CONTRACTOR	RIG NO.	DRILL PIPE STRING NO. SIZE	TOOL JOINT OD / TYPE THD
Shell Oil Company			

OPERATOR'S REPRESENTATIVE: C.D. Paulson

CONTRACTOR'S TOOL PUSHER:

PUMPS NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.			
2.			
3.			

CASING & LINER RECORD	SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	PERFORATIONS FROM	PERFORATIONS TO	CEMENT USED	OTHER

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. or TRIPS SINCE LAST CUT

CUMULATIVE TON MI. or TRIPS

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

MORNING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	RUN NO.	
	SNGLS. DP	FT.	SIZE	
	D.C. ID		MFG.	
	D.C. OD	FT.	TYPE	
	RMR BODY OD	FT.	NOZ. 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: F. Beilman

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN

DEVIATION RECORD:	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION

REMARKS

11:00 - 4:00 am Logging

4:00 - 8:00 am Running and wait on orders.

MUD RECORD	
TIME	
WEIGHT	
VISC.	
W.L.-C.C.	
FLTR. CK.	
PH	
SD. CONT.	

MUD & CHEMICALS ADDED TYPE	AMT.	TYPE	AMT.

DAY TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	RUN NO	
	SNGLS. DP	FT.	SIZE	
	D.C. ID		MFG	
	D.C. OD	FT	TYPE	
	RMR BODY OD	FT	NOZ. 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: K. Young

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN

DEVIATION RECORD:	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION

REMARKS

8:00 - 8:30 Am. W.O. orders.

8:30 am - 4:00 pm. Pull out & lay down pipe. Set 10 sack ~~plug~~ cement plug in surface casing. Surface casing cut 3' below ground level. Steel plate to be welded on and permanent marker to be erected

MUD RECORD	
TIME	
WEIGHT	
VISC.	
W.L.-C.C.	
FLTR. CK.	
PH	
SD. CONT	

MUD & CHEMICALS ADDED TYPE	AMT.	TYPE	AMT.

EVENING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	RUN NO	
	SNGLS. DP	FT	SIZE	
	D.C ID		MFG	
	D.C OD	FT	TYPE	
	RMR BODY OD	FT	NOZ 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

HRS. DRLD	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M	WT. ON BIT 1000=	PUMP PRESS	PUMP NO 1 LINER SIZE	PUMP NO 1 S P M	PUMP NO 2 LINER SIZE	PUMP NO 2 S.P.M	METHOD PUMPS RUN

DEVIATION RECORD	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION

REMARKS

when rig moved off hole.

MUD RECORD	
TIME	
VISC.	
W.L.-C.C.	
FLTR. CK	
PH	
SD. CONT.	

MUD & CHEMICALS ADDED TYPE	AMT.	TYPE	AMT

C.P.—38 **DAILY DRILLING REPORT** REPORT NO. DATE April 7-59

OPERATOR	LOCATION LSD. SEC. TWP. RGE. W.	WELL NAME	No.	PROVINCE
		SHELL LAKE RIVER	N.W.T.	

CONTRACTOR	RIG NO.	DRILL PIPE STRING NO. SIZE	TOOL JOINT OD / TYPE THD
Shell Oil Company			

OPERATOR'S REPRESENTATIVE: C. D. Paulson

CONTRACTOR'S TOOL PUSHER:

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	NATIONAL	C-350	10
2.	"	"	18
3.			

CASING & LINER RECORD	SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	PERFORATIONS FROM	PERFORATIONS TO	CEMENT USED	OTHER

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	12		
FISHING			
COMPLETING (A) PERFORATING			
(B) RUNNING TUBING			
(C) SWABBING			
(D) TESTING			
(E) ACIDIZING			
(F) ADDITIONAL			
TOTALS	12		

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.

MORNING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
17	STANDS DP	1558.76 FT.	RUN NO.	44
	SNGLS. DP	FT.	SIZE	9"
	D.C. ID		MFG.	H.T.C.
21	D.C. OD	637.87 FT.	TYPE	RG1
	RMR BODY OD	FT.	NOZ. NO.	3
	STB BODY OD	FT.	NOZ. SIZE	11/16
	SUBS OD	FT.	SER. NO.	55569
	BIT OR C.B.	FT.	DEPTH OUT	2238
		FT.	CUMULATIVE HOURS RUN	2½
	KELLY DOWN	41.20 FT.	COND. OF BIT	
	TOTAL	2238.83 FT.	REAMER CUTTER NO.	
WT. OF STRING		LBS.	TYPE	

DRILLER: F. Bellmon

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
			2238									

DEVIATION RECORD: DEPTH / DEV / DIRECTION / DEPTH / DEV / DIRECTION / DEPTH / DEV / DIRECTION

REMARKS

8⁰⁰ - 8⁴⁰ - WAIT TO RUN LOGS (TAKE DOWN PREFABS) X

SLM 2237 = 2237. cof.

MUD RECORD

TIME	
WEIGHT	
VISC.	
W.L.-C.C.	
FLTR. CK.	
PH	
SD. CONT.	

MUD & CHEMICALS ADDED: TYPE / AMT. / TYPE / AMT.

DAY TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	RUN NO.	
	SNGLS. DP	FT.	SIZE	
	D.C. ID		MFG	
	D.C. OD	FT.	TYPE	
	RMR BODY OD	FT.	NOZ. 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: K. Young

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
		TD	2235									

DEVIATION RECORD: DEPTH / DEV / DIRECTION / DEPTH / DEV / DIRECTION / DEPTH / DEV / DIRECTION

REMARKS

8⁰⁰ - 11⁵⁰ CIRC - WAIT TO LOG LAYING DOWN PREFABS
11³⁰ - 3⁰⁰ PULLOUT LAY DOWN D.C. (MEASUREMENT TALLY CHECKED)
3⁰⁰ - 3³⁰ RIG TO LOG
3³⁰ - 8:00 LOGGING

MUD RECORD

TIME	
WEIGHT	
VISC.	
W.L.-C.C.	
FLTR. CK	
PH.	
SD. CONT	

MUD & CHEMICALS ADDED: TYPE / AMT. / TYPE / AMT.

EVENING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	RUN NO	
	SNGLS. DP	FT	SIZE	
	D.C ID		MFG	
	D.C OD	FT	TYPE	
	RMR BODY OD	FT	NOZ. 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

HRS. DRLD	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M	WT ON BIT 1000#	PUMP PRESS	PUMP NO 1 LINER SIZE	PUMP NO 1 S.P.M	PUMP NO 2 LINER SIZE	PUMP NO 2 S.P.M	METHOD PUMPS RUN

DEVIATION RECORD: DEPTH / DEV / DIRECTION / DEPTH / DEV / DIRECTION / DEPTH / DEV / DIRECTION

REMARKS

MUD RECORD

TIME	
WEIGHT	
VISC.	
W.L.-C.C.	
FLTR. CK	
PH	
SD. CONT.	

MUD & CHEMICALS ADDED: TYPE / AMT. / TYPE / AMT

C.P.—38 **DAILY DRILLING REPORT** REPORT NO. DATE APRIL 6-59

OPERATOR	LOCATION LSD. SEC. TWP. RGE. W.	WELL NAME	No.	PROVINCE
		SHELL LIARD RIVER		N.W.T.

CONTRACTOR	RIG NO.	DRILL PIPE STRING NO. SIZE	TOOL JOINT OD / TYPE THD
Shell Oil Company	2	5"	I-F.

OPERATOR'S REPRESENTATIVE: C.D. Paulson

CONTRACTOR'S TOOL PUSHER:

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	NATIONAL	C-350	18
2.	"	"	"
3.			

CASING & LINER RECORD	SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	PERFORATIONS FROM	PERFORATIONS TO	CEMENT USED	OTHER

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
DRILLING ACTUAL	11¾		16¾
REAMING			
CIRCULATING			1
TRIPS			
DEVIATION SURVEY			
TEST B.O.P.			¼
CUT OFF DRILL LINE			
~~REPAIR~~ RIG SER	¼		
CORING			
WIRE LINE LOGGING			
OTHER			
FISHING			
COMPLETING (A) PERFORATING			
(B) RUNNING TUBING			
(C) SWABBING			
(D) TESTING			
(E) ACIDIZING			
(F) ADDITIONAL			
TOTALS	12		12

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.

MORNING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
16	STANDS DP	1528:01 FT	RUN NO.	44
2	SNGLS. DP	FT.	SIZE	9"
	D.C. ID		MFG.	H.T.C
21	D.C. OD	637:87 FT.	TYPE	RG-1
	RMR BODY OD	FT.	NOZ. NO.	3
	STB BODY OD	FT.	NOZ. SIZE	11/16"
	SUBS OD	FT.	SER. NO.	55569
	BIT OR C.B.	FT.	DEPTH OUT	
		FT.	CUMULATIVE HOURS RUN	11¾
	KELLY DOWN	29:12 FT.	COND. OF BIT	
	TOTAL	2194:00 FT.	REAMER CUTTER NO.	
WT. OF STRING	82000 LBS.		TYPE	

DRILLER: F. Brennan

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
11¾		2145	2194		60 / 45	30000	900	6½	72	6½	Circ.	

DEVIATION RECORD: DEPTH | DEV | DIRECTION | DEPTH | DEV | DIRECTION | DEPTH | DEV | DIRECTION

REMARKS

¼ 8⁰⁰ - 8¹⁵ - Ser Rig
11¾ 8¹⁵ - 8⁰⁰ - Drilling

MUD RECORD

TIME	10.00	2.00
WEIGHT	9.0	9.0
VISC.	46	47
W.L.-C.C.	10.2	10.2
FLTR. CK.	2/32	2/32
PH	10.0	10.0
SD. CONT.		

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
17	STANDS DP	1558.76 FT.	RUN NO	44
	SNGLS. DP	FT.	SIZE	9
	D.C. ID		MFG	HTC
21	D.C. OD	637.87 FT	TYPE	RG-1
	RMR BODY OD	FT	NOZ. NO.	3
	STB BODY OD	FT	NOZ. SIZE	11/16
	SUBS OD	FT	SER. NO	55569
	BIT OR C.B	FT	DEPTH OUT	2238
		FT	CUMULATIVE HOURS RUN	22½
	KELLY DOWN	41.20 FT	COND OF BIT	Run
	TOTAL	2237.83 FT	REAMER CUTTER NO.	
WT OF STRING	82000 LBS.		TYPE	

DRILLER: K. Young

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
10¾		2194	2238		45	30	900	6½	70	6½		1

DEVIATION RECORD: DEPTH | DEV | DIRECTION | DEPTH | DEV | DIRECTION | DEPTH | DEV | DIRECTION

REMARKS

¼ 8⁰⁰ - 8¹⁵ Rig Service Check BOP.
10¾ 8¹⁵ - 2⁰⁰ Drlg
1 2⁰⁰ - 8⁰⁰ Circ To Log

MUD RECORD

TIME	9:00	12:00	3:00
WEIGHT	9.0	9.0	9.1
VISC.	45	44	42
W.L.-C.C.	10.0	10.2	11.0
FLTR. CK	2/32	2/32	2/32
PH	10.0	10.0	10.0
SD. CONT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

EVENING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	RUN NO	
	SNGLS. DP	FT	SIZE	
	D.C. ID		MFG	
	D.C. OD	FT	TYPE	
	RMR BODY OD	FT	NOZ. 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

HRS. DRLD	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M	WT ON BIT 1000#	PUMP PRESS	PUMP NO 1 LINER SIZE	PUMP NO 1 S.P.M	PUMP NO 2 LINER SIZE	PUMP NO 2 S.P.M	METHOD PUMPS RUN

DEVIATION RECORD: DEPTH | DEV | DIRECTION | DEPTH | DEV | DIRECTION | DEPTH | DEV | DIRECTION

REMARKS

MUD RECORD

TIME			8:00 AM
WEIGHT	~~9:00 A.M~~		9.1
VISC.			47
W.L.-C.C.			
FLTR. CK			
PH			10.0
SD. CONT.			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

C.P.—38 **DAILY DRILLING REPORT** REPORT NO. DATE APRIL 5-59

OPERATOR	LOCATION LSD. SEC. TWP. RGE. W.	WELL NAME No.	PROVINCE
		SHELL OIL LIARD RIVER	N.W.T.

CONTRACTOR	RIG NO.	DRILL PIPE STRING NO. SIZE	TOOL JOINT OD / TYPE THD
Shell Oil Company	2	3	I-F.

OPERATOR'S REPRESENTATIVE: [illegible] CONTRACTOR'S TOOL PUSHER:

PUMPS NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	NATIONAL	C-350	18
2.	"	C-350	18
3.			

CASING & LINER RECORD	SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	PERFORATIONS FROM	PERFORATIONS TO	CEMENT USED	OTHER

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
DRILLING ACTUAL	3¼		7¾
REAMING	3/4		
CIRCULATING			
TRIPS	6¼		1¾
DEVIATION SURVEY			¼
TEST B.O.P.			¼
CUT OFF DRILL LINE			
REPAIR RIG	¼		
CORING	1½		
WIRE LINE LOGGING			
OTHER			
FISHING			
COMPLETING (A) PERFORATING			
(B) RUNNING TUBING			
(C) SWABBING			
(D) TESTING			
(E) ACIDIZING			
(F) ADDITIONAL			
TOTALS	12		12

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 8 SIZE 1¼
FEET SLIPPED
FEET CUT OFF
PRESENT LENGTH
TON MI. or TRIPS SINCE LAST CUT 4139
CUMULATIVE TON MI. or TRIPS
NO. OF DAYS FROM SPUD
CUMULATIVE ROTATING HRS.

MORNING TOUR

NO.	DRILLING ASSEMBLY			BIT RECORD		
15	STANDS DP		FT	RUN NO.	42	43
2	SNGLS. DP	1436.52	FT.	SIZE	6⅛"	9"
	D.C. ID			MFG.	BOYLE	H.T.C
21	D.C. OD	637.87	FT.	TYPE	◊	RG-1
	RMR BODY OD		FT.	NOZ. NO.		3
	STB BODY OD		FT.	NOZ. SIZE	2371C	11/16"
	SUBS OD		FT.	SER. NO.	[illegible]	R.R.
	BIT OR C.B.		FT.	DEPTH OUT	2086	
			FT.	CUMULATIVE HOURS RUN	1½	17¼
	KELLY DOWN	24:00	FT.	COND. OF BIT	BALD	
	TOTAL	2098:39	FT.	REAMER CUTTER NO.		
WT. OF STRING	80000		LBS.	TYPE		

DRILLER: F. Beaudrau

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
	2	2085	2086	[redacted]	80	10000	8000	6½	20			
3¼		2086	2098		45	30000	800	6½	70			

DEVIATION RECORD: DEPTH | DEV | DIRECTION | DEPTH | DEV | DIRECTION | DEPTH | DEV | DIRECTION

REMARKS
¼ 8⁰⁰-8¹⁵ - Raser Rig
2¾ 8¹⁵-11⁰⁰ - Pull out & Pick up Core Bbl. & Jars Run in
1½ 11⁰⁰-12³⁰ - ◊ Coring
5½ 12³⁰-3⁰⁰ - Pull out & Handle Core Change Swivel on core Bbl & Lay Down Core Bbl.
1 3⁰⁰-4⁰⁰ - Run in w/ RG-1.
¾ 4⁰⁰-4⁴⁵ - ~~Drilling~~ Reaming 6¼"-9"
3¼ 4⁴⁵-8⁰⁰ - Drilling

MUD RECORD

TIME	12⁰⁰	5⁰⁰
WEIGHT	9.0	9.0
VISC.	47	48
W.L.-C.C.	10.6	10.4
FLTR. CK.	2/32	2/32
PH	10.0	10.0
SD. CONT.		

MUD & CHEMICALS ADDED: TYPE | AMT. | TYPE | AMT.

DAY TOUR

NO.	DRILLING ASSEMBLY			BIT RECORD		
16	STANDS DP	1466.44	FT.	RUN NO	43	44
	SNGLS. DP		FT.	SIZE	9	9
	D.C. ID			MFG	HTC	HTC
21	D.C. OD	637.97	FT.	TYPE	851	851
	RMR BODY OD		FT.	NOZ. NO.	3	3
	STB BODY OD		FT	NOZ. SIZE	11/16	11/16
	SUBS OD		FT.	SER. NO	BR 5556	[illegible]
	BIT OR C.B		FT.	DEPTH OUT	2145	
			FT	CUMULATIVE HOURS RUN	27	
	KELLY DOWN	41.20	FT	COND. OF BIT	Lone	New
	TOTAL	2145.51	FT	REAMER CUTTER NO.		
WT OF STRING	82000		LBS.	TYPE		

DRILLER: K. Kearney

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
9¾		2098	2145		45	30	800	6½	70	6½		1

DEVIATION RECORD: DEPTH | DEV | DIRECTION | DEPTH | DEV | DIRECTION | DEPTH | DEV | DIRECTION

REMARKS
9¼ 8⁰⁰-8¹⁵ Rig Sta check BOP.
9¾ 8¹⁵-6⁰⁰ Drlg
¼ 6⁰⁰-6¹⁵ Survey
1¾ 6¹⁵-8⁰⁰ Trip for Bit

MUD RECORD

TIME	8:00	12:00	5:00
WEIGHT	9.0	9.0	9.1
VISC.	46	47	44
W.L.-C.C.	10.0	10.2	10.4
FLTR. CK.	2/32	2/32	2/32
PH	10.0	10.0	10.0
SD. CONT.			

MUD & CHEMICALS ADDED: TYPE | AMT. | TYPE | AMT.

EVENING TOUR

NO.	DRILLING ASSEMBLY			BIT RECORD		
	STANDS DP		FT.	RUN NO		
	SNGLS. DP		FT	SIZE		
	D.C. ID			MFG		
	D.C. OD		FT	TYPE		
	RMR BODY OD		FT	NOZ 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

HRS. DRLD	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M	WT ON BIT 1000#	PUMP PRESS	PUMP NO 1 LINER SIZE	PUMP NO 1 S.P.M	PUMP NO 2 LINER SIZE	PUMP NO 2 S.P.M	METHOD PUMPS RUN

DEVIATION RECORD: DEPTH | DEV | DIRECTION | DEPTH | DEV | DIRECTION | DEPTH | DEV | DIRECTION

REMARKS

MUD RECORD

TIME			
WEIGHT			
VISC.			
W.L.-C.C.			
FLTR. CK			
PH			
SD. CONT.			

MUD & CHEMICALS ADDED: TYPE | AMT. | TYPE | AMT

C.P.—38 **DAILY DRILLING REPORT** REPORT NO. DATE APRIL 4-59

OPERATOR	LOCATION LSD. SEC. TWP. RGE. W.	WELL NAME	No.	PROVINCE
		SHELL LIARD RIVER		N.W.T.

CONTRACTOR	RIG NO.	DRILL PIPE STRING NO. SIZE	TOOL JOINT OD / TYPE THD
Shell Oil Company	2	5	1-F.

OPERATOR'S REPRESENTATIVE: [illegible] CONTRACTOR'S TOOL PUSHER:

PUMPS NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	NATIONAL	C-350	18
2.	"	" "	18
3.			

CASING & LINER RECORD	SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	PERFORATIONS FROM	PERFORATIONS TO	CEMENT USED	OTHER

TIME DISTRIBUTION—HOURS

	MORN.	DAY	EVE.
DRILLING ACTUAL	9¾		
REAMING			
CIRCULATING			1
TRIPS	2		2¼
DEVIATION SURVEY			¼
TEST B.O.P.			¼
CUT OFF DRILL LINE			
REPAIR RIG	¼		
CORING			
WIRE LINE LOGGING			
OTHER			
FISHING			½
COMPLETING (A) PERFORATING			
(B) RUNNING TUBING			
(C) SWABBING			
(D) TESTING			
(E) ACIDIZING			
(F) ADDITIONAL			
TOTALS	12		12

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 8 SIZE 1¼
FEET SLIPPED
FEET CUT OFF
PRESENT LENGTH
TON MI. or TRIPS SINCE LAST CUT 343
CUMULATIVE TON MI. or TRIPS
NO. OF DAYS FROM SPUD
CUMULATIVE ROTATING HRS.

MORNING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD		
15	STANDS DP	1376:15 FT	RUN NO.	40	41
	SNGLS. DP	FT.	SIZE	9"	9"
21	D.C. ID / OD	637:87 FT.	MFG.	H.T.C.	H.T.C
			TYPE	W-7R	W7R
	RMR BODY OD	FT.	NOZ. NO.	3	3
	STB BODY OD	FT.	NOZ. SIZE	1/16	11/16"
	SUBS OD	FT.	SER. NO.	73132	66493
	BIT OR C.B.	FT.	DEPTH OUT	2015	
		FT.	CUMULATIVE HOURS RUN	6¼	3
	KELLY DOWN	22:00 FT.	COND. OF BIT	FAIR	RUN
	TOTAL	2036:02 FT.	REAMER CUTTER NO.		
WT. OF STRING	80000 LBS.		TYPE		

DRILLER: F. Reilman

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
9¾		1999	2036		75	30000	850	6½	72	6½	Circ	

DEVIATION RECORD:

DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION

REMARKS

¼	8:00 - 8:15 - SER. RIG
9¾	8:15 - 1:00 - DRILLING
2	1:00 - 3:00 - TRIP FOR NEW BIT
5	3:00 - 8:00 - DRILLING

MUD RECORD			
TIME	10:00	3:00	7:00
WEIGHT	9.0	9.0	9.0
VISC.	50	49	48
W.L.-C.C.	11.0	11.2	11.2
FLTR. CK.	2/32	2/32	2/32
PH	9.5	9.5	9.5
SD. CONT.			

MUD & CHEMICALS ADDED TYPE	AMT.	TYPE	AMT.
GELL	85 SKS		
LYTE RUNDALO			

DAY TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD		
15	STANDS DP	1405:95 FT.	RUN NO	41	
1	SNGLS. DP	FT.	SIZE	9	
21	D.C. ID / OD	637.87 FT	MFG	HTC	
			TYPE	W7R	
	RMR BODY OD	FT.	NOZ. NO.	3	
	STB BODY OD	FT.	NOZ. SIZE	11/16	
	SUBS OD	FT.	SER. NO	66493	
	BIT OR C.B	FT.	DEPTH OUT	2085	
		FT.	CUMULATIVE HOURS RUN	12¾	
	KELLY DOWN	41.00 FT.	COND. OF BIT	2411	
	TOTAL	2085.00 FT.	REAMER CUTTER NO.		
WT. OF STRING	80000 LBS.		TYPE		

DRILLER: R. Young

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
7¾		2036	2085		75	35	850	6½	70	6½		1

DEVIATION RECORD:

DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION
2085								

REMARKS

¼	8:00 - 8:15 Rig Ser. check B.O.P.
6¾	8:15 - 2:45 Drlg
½	2:45 - 3:15 Circ. Sample 2075'
1¼	3:15 - 4:30 Drlg
½	4:30 - 5:00 Circ. Sample 2085'
¼	5:00 - 5:15 Survey
½	5:15 - 5:45 Trip Run in w/ 7⅞ Magnet
½	5:45 - 7:45 Circ. Work Magnet

MUD RECORD			
TIME	8:00	12:00	
WEIGHT	9.0	9.0	
VISC.	46	43	
W.L.-C.C.	10.8		
FLTR. CK.	2/32		
PH	9.5	10.5	
SD. CONT			

MUD & CHEMICALS ADDED TYPE	AMT.	TYPE	AMT.

EVENING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	RUN NO	
	SNGLS. DP	FT	SIZE	
	D.C. ID / OD	FT	MFG	
			TYPE	
	RMR BODY OD	FT	NOZ. 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

HRS. DRLD	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M	METHOD PUMPS RUN
¼		7:45	8:00	Hoist								

DEVIATION RECORD:

DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION

REMARKS

MUD RECORD			
TIME			
WEIGHT			
VISC.			
W.L.-C.C.			
FLTR. CK			
PH			
SD. CONT.			

MUD & CHEMICALS ADDED TYPE	AMT.	TYPE	AMT

C.P.—38

DAILY DRILLING REPORT

REPORT NO. DATE April 3-57

OPERATOR	LOCATION LSD. SEC. TWP. RGE. W.	WELL NAME	No.	PROVINCE
		SHELL LIARD RIVER		N.W.T.

CONTRACTOR	RIG NO.	DRILL PIPE STRING NO. SIZE	TOOL JOINT OD / TYPE THD
Shell Oil Company	2	5	I-F.

OPERATOR'S REPRESENTATIVE: C.D. Paulson

CONTRACTOR'S TOOL PUSHER:

PUMPS NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	NATIONAL	C-350	18
2.	"	"	18
3.			

CASING & LINER RECORD	SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	PERFORATIONS FROM	PERFORATIONS TO	CEMENT USED	OTHER

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
DRILLING ACTUAL	1		7½
REAMING			
CIRCULATING	1¼		¾
TRIPS			3¼
DEVIATION SURVEY			¼
TEST B.O.P.			
CUT OFF DRILL LINE			
REPAIR RIG			
CORING			
WIRE LINE LOGGING			
OTHER			¼
FISHING	1¾		
COMPLETING (A) PERFORATING			
(B) RUNNING TUBING			
(C) SWABBING			
(D) TESTING			
(E) ACIDIZING			
(F) ADDITIONAL			
TOTALS	12		12

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 6 SIZE 1¼

FEET SLIPPED

FEET CUT OFF

PRESENT LENGTH

TON MI. or TRIPS SINCE LAST CUT 293

CUMULATIVE TON MI. or TRIPS

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

MORNING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
14	STANDS DP	1284.81 FT.	RUN NO.	39
	SNGLS. DP	FT.	SIZE	9"
21	D.C. ID / OD	637.87 FT.	MFG.	H.T.C
			TYPE	W-7R
	RMR BODY OD	FT.	NOZ. NO.	3
	STB BODY OD	FT.	SIZE	11/16
	SUBS OD	FT.	SER. NO.	66253
	BIT OR C.B.	FT.	DEPTH OUT	
		FT.	CUMULATIVE HOURS RUN	
	KELLY DOWN	37.00 FT.	COND. OF BIT	
	TOTAL	1959.68 FT.	REAMER CUTTER NO.	
	WT. OF STRING	80000 LBS.	TYPE	

DRILLER: L. Beilman

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
1		1955	1959		75	35000	600	6½	70			

DEVIATION RECORD: DEPTH / DEV / DIRECTION / DEPTH / DEV / DIRECTION / DEPTH / DEV / DIRECTION

REMARKS

8⁰⁰	8¹⁵	Run in.
8¹⁵	9⁰⁰	fish with American O Shot with 6¼ Slips.
9⁰⁰	10¹⁵	Pull out
10¹⁵	10³⁰	Pick up American O Shot (Slim hole) with 6¼ Slips + no lip guide.
10³⁰	11³⁰	Run in | 1³⁰ - 2⁰⁰ Change to 7" Slips.
11³⁰	12¹⁵	fishing | 2⁰⁰ - 3⁰⁰ Run in
12¹⁵	1³⁰	Pull out | 3⁰⁰ - 3¹⁵ fishing

MUD RECORD: TIME / WEIGHT / VISC. / W.L.-C.C. / FLTR. CK. / PH / SD. CONT.

MUD & CHEMICALS ADDED: TYPE / AMT. / TYPE / AMT.

DAY TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	RUN NO.	
	SNGLS. DP	FT.	SIZE	
	D.C. ID / OD	FT.	MFG	
			TYPE	
	RMR BODY OD	FT.	NOZ. NO.	
	STB BODY OD	FT.	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

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
3¹⁵		5⁰⁰		Chains out wet Pipe								
5⁰⁰		5³⁰		Recover fish.								
5³⁰		6⁴⁵		Run in.								

DEVIATION RECORD: DEPTH / DEV / DIRECTION / DEPTH / DEV / DIRECTION / DEPTH / DEV / DIRECTION

REMARKS

6⁴⁵	7⁰⁰	C.R.C
7⁰⁰	8⁰⁰	Drilling

MUD RECORD: TIME / WEIGHT / VISC. / W.L.-C.C. / FLTR. CK / PH / SD. CONT

MUD & CHEMICALS ADDED: TYPE / AMT. / TYPE / AMT.

EVENING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD		
14	STANDS DP	1346.40 FT.	RUN NO	39	40
2	SNGLS. DP	FT.	SIZE	9	9
21	D.C. ID / OD	637.87 FT.	MFG	HTC	HTC
			TYPE	W7R	W7R
	RMR BODY OD	FT.	NOZ. NO	3	3
	STB BODY OD	FT.	SIZE	11/16	11/16
	SUBS OD	FT.	SER NO	66253	73132-4
	BIT OR C.B	FT.	DEPTH OUT	1992	
		FT.	CUMULATIVE HOURS RUN	7	1½
	KELLY DOWN	14.73 FT.	COND. OF BIT	Dull	Rund
	TOTAL	1999 FT.	REAMER CUTTER NO.		
	WT OF STRING	80000 LBS.	TYPE		

DRILLER: R. L. Young

HRS. DRLD	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M	WT. ON BIT 1000#	PUMP PRESS	PUMP NO 1 LINER SIZE	PUMP NO 1 S.P.M	PUMP NO 2 LINER SIZE	PUMP NO 2 S.P.M	METHOD PUMPS RUN
6		1959	1992		75	35	900	6½	70	6½		1
1½		1992	1999		75	30	900	6½	70	6½		1

DEVIATION RECORD: DEPTH 1990 / DEV 1¾ / DIRECTION / DEPTH / DEV / DIRECTION / DEPTH / DEV / DIRECTION

REMARKS

¼	8⁰⁰ - 8¹⁵	Rig Ser
¼	8¹⁵ - 2¹⁵	Drlg
¼	2¹⁵ - 2³⁰	Survey
3¼	2³⁰ - 5⁴⁵	Trip for Bit caliper all DC. & subs
¾	5⁴⁵ - 6³⁰	Circ Sample
1½	6³⁰ - 8⁰⁰	Drlg

MUD RECORD: TIME 11.00 / WEIGHT 8.9 / VISC. 58 / W.L.-C.C. 9.2 / FLTR. CK 30/32 / PH 11.0 / SD. CONT.

MUD & CHEMICALS ADDED: TYPE / AMT. / TYPE / AMT.
SE 1400
Tyrann B. 3½ lbs.

C.P.—38 **DAILY DRILLING REPORT** REPORT NO. DATE APRIL 12-55

OPERATOR	LOCATION LSD. SEC. TWP. RGE. W.	WELL NAME	No.	PROVINCE
		SHELL LIARD RIVER		N.W.T.

CONTRACTOR	RIG NO.	DRILL PIPE STRING NO. SIZE	TOOL JOINT OD / TYPE THD	OPERATOR'S REPRESENTATIVE	CONTRACTOR'S TOOL PUSHER
Shell Oil Company	2	5"	I-F.	[illegible]	

PUMPS NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	NATIONAL	C-350	18
2.	"	"	"
3.			

CASING & LINER RECORD	SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	PERFORATIONS FROM	PERFORATIONS TO	CEMENT USED	OTHER

TIME DISTRIBUTION—HOURS	MORN	DAY	EVE
DRILLING ACTUAL			
REAMING			
CIRCULATING			
TRIPS		5½	
DEVIATION SURVEY			
TEST B.O.P			
CUT OFF DRILL LINE			
REPAIR RIG			
CORING			
WIRE LINE LOGGING			
OTHER		12½	
FISHING		12	
COMPLETING (A) PERFORATING			
(B) RUNNING TUBING			
(C) SWABBING			
(D) TESTING			
(E) ACIDIZING			
(F) ADDITIONAL			
TOTALS		12½	

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.

MORNING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
14	STANDS DP	1284:88 FT.	RUN NO.	R.R.
	SNGLS. DP	FT.	SIZE	
21	D.C. ID / OD	636:87 FT.	MFG.	
			TYPE	
	RMR BODY OD	FT.	NOZ. 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	34:00 FT.	COND. OF BIT	
	TOTAL	1955:88 FT.	REAMER CUTTER NO.	
WT. OF STRING	80000 LBS.		TYPE	

DRILLER F. [illegible]

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
			1955									

DEVIATION RECORD: DEPTH / DEV / DIRECTION / DEPTH / DEV / DIRECTION / DEPTH / DEV / DIRECTION

REMARKS
12 8⁰⁰-8⁰⁰ WAIT ON FISHING TOOLS

MUD RECORD			
TIME	10⁰⁰	2⁰⁰	6⁰⁰
WEIGHT	9.2	9.2	9.2
VISC.	55	53	50
W.L.-C.C.	9.6	9.8	9.8
FLTR. CK.	3/32	3/32	3/32
PH	9.0	9.0	9.2
SD. CONT.			

MUD & CHEMICALS ADDED: TYPE / AMT. / TYPE / AMT.

DAY TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
14	STANDS DP	1284:88 FT.	RUN NO	
	SNGLS. DP	FT.	SIZE	
21	D.C. ID / OD	636.87 FT	MFG	
			TYPE	
	RMR BODY OD	FT	NOZ. 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	34:00 FT	COND OF BIT	
	TOTAL	1955:88 FT	REAMER CUTTER NO.	
WT OF STRING	80000 LBS.		TYPE	

DRILLER R. L. Young

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
		1933										

DEVIATION RECORD: DEPTH / DEV / DIRECTION / DEPTH / DEV / DIRECTION / DEPTH / DEV / DIRECTION

REMARKS
8⁰⁰ 12⁰⁰ Wait on O Shot Slips Pull out
12⁰⁰ 1³⁰ Run in with American Slim hole O Shot
1³⁰ 2⁰⁰ + McCullough Tars.
2⁰⁰ 3³⁰ fishing over fish but would not
3³⁰ 4⁰⁰ Chain Tong out
4⁰⁰ 5⁰⁰ Brk. down O Shot + Pick up Tap.
5⁰⁰ 6⁰⁰ Run in
fishing could not circ. through fish.

MUD RECORD			
TIME	8:00		
WEIGHT	9.1		
VISC.	50		
W.L.-C.C.			
FLTR. CK.			
PH			
SD. CONT			

MUD & CHEMICALS ADDED: TYPE / AMT. / TYPE / AMT.

EVENING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	RUN NO	
	SNGLS. DP	FT	SIZE	
	D.C. ID / OD	FT	MFG	
			TYPE	
	RMR BODY OD	FT	NOZ. 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

HRS. DRLD	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M	WT ON BIT 1000#	PUMP PRESS	PUMP NO 1 LINER SIZE	PUMP NO 1 S.P.M	PUMP NO 2 LINER SIZE	PUMP NO 2 S.P.M	METHOD PUMPS RUN

DEVIATION RECORD: DEPTH / DEV / DIRECTION / DEPTH / DEV / DIRECTION / DEPTH / DEV / DIRECTION

REMARKS
6⁰⁰ 6⁴⁵ Pull out
6⁴⁵ 7¹⁵ Dress 8⅝ O Shot (American) w/ 6¼ Slips
7¹⁵ 8⁰⁰ Run in

MUD RECORD			
TIME			
WEIGHT			
VISC.			
W.L.-C.C.			
FLTR. CK			
PH			
SD. CONT.			

MUD & CHEMICALS ADDED: TYPE / AMT. / TYPE / AMT

C.P.—38 DAILY DRILLING REPORT REPORT NO. DATE APRIL 1-59

OPERATOR	LOCATION LSD. SEC. TWP. RGE. W.	WELL NAME LIARD RIVER	No.	PROVINCE N. W. T.

CONTRACTOR	RIG NO.	DRILL PIPE STRING NO.	SIZE	TOOL JOINT OD	TYPE THD
Shell Oil Company	2	5	4		I-F.

OPERATOR'S REPRESENTATIVE: C. O. Paulson

CONTRACTOR'S TOOL PUSHER:

PUMPS NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	NATIONAL	C350	18
2.	"	"	"
3.			

CASING & LINER RECORD	SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	PERFORATIONS FROM	PERFORATIONS TO	CEMENT USED	OTHER

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
DRILLING ACTUAL	7½		6½
REAMING	1¾		
CIRCULATING			
TRIPS	2¼		1¾
DEVIATION SURVEY	¼		¼
TEST B.O.P.			
CUT OFF DRILL LINE			
~~REPAIR~~ RIG SER	¼		¼
CORING			
WIRE LINE LOGGING			
OTHER			3¼
FISHING			
COMPLETING (A) PERFORATING			
(B) RUNNING TUBING			
(C) SWABBING			
(D) TESTING			
(E) ACIDIZING			
(F) ADDITIONAL			
TOTALS	12		12

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.

MORNING TOUR

NO.	DRILLING ASSEMBLY			BIT RECORD		
13	STANDS DP		1253.99 FT.	RUN NO.	37	38
2	SNGLS. DP		FT.	SIZE	9"	9"
	D.C.	ID		MFG.	H.T.C.	H.T.C.
21		OD	636.87 FT.	TYPE	W-7R	RG-1
1	RMR BODY	OD	4.10 FT.	NOZ. NO.	3	3
	STB BODY	OD	FT.	NOZ. SIZE	11/16"	11/16"
	SUBS	OD	FT.	SER. NO.	66485	64259
	BIT OR C.B.		FT.	DEPTH OUT	1909	
			FT.	CUMULATIVE HOURS RUN	1¾	7½
	KELLY DOWN		37.04 FT.	COND. OF BIT	GOOD	
	TOTAL		1932.00 FT.	REAMER CUTTER NO.		
WT. OF STRING			80000 LBS.	TYPE		

DRILLER: F. Robinson

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
7½		1909	1932		42	30000	900	6½				

DEVIATION RECORD:	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION
	1900'	1½°							

REMARKS

¼	8:00 - 8:15	- Ser Rig
1¾	8:15 - 10:00	- Reaming
¼	10:00 - 10:15	- Drop Totco
2¼	10:15 - 12:30	- Trip for New Bit
7½	12:30 - 8:00	- Drilling

MUD RECORD			
TIME	10.00	2.00	6.30
WEIGHT	9.2	9.2	9.2
VISC.	50	52	50
W.L.-C.C.	11.0	11.0	11.6
Fl.TR. CK.	2/32	2/32	2/32
PH	11.0	11.0	11.0
SD. CONT.			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gell	25 sks		

DAY TOUR

NO.	DRILLING ASSEMBLY			BIT RECORD		
14	STANDS DP		1284.81 FT.	RUN NO	38	
	SNGLS. DP		FT.	SIZE	9	
	D.C.	ID		MFG	HTC	
21		OD	636.87 FT	TYPE	RG1	
	RMR BODY	OD	4.10 FT	NOZ. NO.	3	
	STB BODY	OD	FT	NOZ. SIZE	4/16	
	SUBS	OD	FT	SER. NO	4259	
	BIT OR C.B		FT	DEPTH OUT	1955'	
			FT	CUMULATIVE HOURS RUN	14	
	KELLY DOWN		30.00 FT	COND OF BIT		
	TOTAL		1955.78 FT	REAMER CUTTER NO.		
WT OF STRING			80000 LBS.	TYPE		

DRILLED: K. L. Young

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
6½		1932	1955'		42	35	900	6½	70	6½		1

DEVIATION RECORD:	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION
	1955'	1½							

REMARKS

¼	8:00 - 8:15	Rig Ser.
6½	8:15 - 2:45	Drlg
¼	2:45 - 3:00	~~Hoist~~ Lost Survey
1	3:00 - 4:00	Hoist Lost Bit & Reamer
3¼	4:00 - 7:15	Wait on orders
¾	7:15 - 8:00	Running in RR Bit

MUD RECORD			
TIME	8:00	11.00	2:00
WEIGHT	9.1	9.1	9.1
VISC.	52	53	56
W.L.-C.C.	10.0	10.2	
FLTR. CK	2/32	2/32	
PH	11.0	11.0	
SD. CONT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

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	NOZ. 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

HRS. DRLD	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M	WT ON BIT 1000#	PUMP PRESS	PUMP NO 1 LINER SIZE	PUMP NO 1 S P M	PUMP NO 2 LINER SIZE	PUMP NO 2 S.P.M	METHOD PUMPS RUN

DEVIATION RECORD	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION

REMARKS

MUD RECORD			
TIME			
WEIGHT			
VISC.			
W.L.-C.C.			
FLTR. CK			
PH			
SD. CONT.			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT

C.P.—38 **DAILY DRILLING REPORT** REPORT NO. — DATE MARCH 31-59

OPERATOR	LOCATION LSD. SEC. TWP. RGE. W.	WELL NAME	No.	PROVINCE
SHELL OIL		SHELL LAKE RIVER		N.W.T.

CONTRACTOR	RIG NO.	DRILL PIPE STRING NO. SIZE	TOOL JOINT OD / TYPE THD
Shell Oil Company	2	5"	1-F.

OPERATOR'S REPRESENTATIVE: C. D. Paulson

CONTRACTOR'S TOOL PUSHER:

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	NATIONAL	C-350	18
2.	"	"	"
3.			

CASING & LINER RECORD	SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	PERFORATIONS FROM	PERFORATIONS TO	CEMENT USED	OTHER

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
DRILLING ACTUAL	3		
REAMING			
CIRCULATING	1/2		
TRIPS	5 1/2		4
DEVIATION SURVEY			
TEST B.O.P.			
CUT OFF DRILL LINE			
REPAIR RIG	1/4		
CORING	2 3/4		1
WIRE LINE LOGGING			
OTHER			7
FISHING			
COMPLETING (A) PERFORATING			
(B) RUNNING TUBING			
(C) SWABBING			
(D) TESTING			
(E) ACIDIZING			
(F) ADDITIONAL			
TOTALS	12		12

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.

MORNING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD		
13	STANDS DP	FT.	RUN NO.	35	36
1	SNGLS. DP	1223:21 FT.	SIZE	9"	6 1/8"
	D.C. ID		MFG.	REED	
21	D.C. OD	634:95 FT.	TYPE	CORKA	◊
	RMR BODY OD	FT.	NOZ. NO.	3	
	STB BODY OD	FT.	NOZ. SIZE	11/16"	
1	SUBS OD	2:42 FT.	SER. NO.	V81713	
1	BIT OR C.B.	24:25 FT.	DEPTH OUT	1908	
		FT.	CUMULATIVE HOURS RUN	14	
	KELLY DOWN	24:00 FT.	COND. OF BIT	GOOD	
	TOTAL	1908:00 FT.	REAMER CUTTER NO.		
WT. OF STRING		76 000 LBS.	TYPE		

DRILLER

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M	METHOD PUMPS RUN
5 3/4		1878	1908		65	40000	1300	6 1/2	70			
					42	10000	800	6 1/2	30			

DEVIATION RECORD: DEPTH | DEV | DIRECTION | DEPTH | DEV | DIRECTION | DEPTH | DEV | DIRECTION

REMARKS

1/4 8:00 - 8:15 - SER RIG
2 8:15 - 11:15 - DRILLING
1 1/2 11:15 - 12:45 - PULL OUT MEASURE OUT
4 12:45 - 4:45 — PICK UP CORE BBL & MEASURE IN.
1/2 4:45 - 5:15 - CIRC TO CORE
2 3/4 5:15 - 8:00 - ◊ CORING

SLM 1906 = 1906.

MUD RECORD

TIME	10:00	6:00
WEIGHT	9.1	9.1
VISC.	44	40
W.L.-C.C.	9.4	9.4
FLTR. CK.	2/32	2/32
PH	10.0	10.0
SD.-CONT.		

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GELL	12 SKS		
NITRONOX	3 LB.		

DAY TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD		
13	STANDS DP	1253:99 FT.	RUN NO	36	RR
2	SNGLS. DP	FT.	SIZE	6 1/8	9
	D.C. ID		MFG		HTC
21	D.C. OD	634:95 FT	TYPE	◊	W7R
	RMR BODY OD	FT	NOZ. NO.		3
	STB BODY OD	FT	NOZ. SIZE		11/16
	SUBS OD	FT	SER. NO		S6078
	BIT OR C.B	FT	DEPTH OUT	1909	
		FT	CUMULATIVE HOURS RUN	3 3/4	
	KELLY DOWN	17.06 FT	COND OF BIT	Drlf	
	TOTAL	1906 FT	REAMER CUTTER NO.		
WT. OF STRING		76000 LBS.	TYPE		

DRILLER K. Kennedy

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M	METHOD PUMPS RUN
1	1	1908	1909	3' RECOVERY	42	10	800	6 1/2	26	6 1/2		1

DEVIATION RECORD: DEPTH | DEV | DIRECTION | DEPTH | DEV | DIRECTION | DEPTH | DEV | DIRECTION

REMARKS

1 8:00 - 9:00 Cutting core #1
1 9:00 - 10:00 Hoist!
1 10:00 - 11:00 Recover core Lay down C.B.
1 11:00 - 12:00 Run in w/ R.R. Bit
6 12:00 - 6:00 Circ w/ Wiondens
2 6:00 - 8:00 Trip for New Bit

MUD RECORD

TIME	8:00	10:00	2:00
WEIGHT	9.1	9.1	9.1
VISC.	48	49	52
W.L.-C.C.	11.0	10.8	10-8
FLTR. CK	2/32	2/32	2/32
PH	11.0	11.0	11.0
SD. CONT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

EVENING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	RUN NO	37
	SNGLS. DP	FT	SIZE	9
	D.C. ID		MFG	HTC
	D.C. OD	FT	TYPE	W7R
	RMR BODY OD	FT	NOZ. NO	3
	STB BODY OD	FT	NOZ. SIZE	11/16
	SUBS OD	FT	SER NO	66483
	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

HRS. DRLD	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M	WT ON BIT 2000#	PUMP PRESS	PUMP NO 1 LINER SIZE	PUMP NO 1 S.P.M	PUMP NO 2 LINER SIZE	PUMP NO 2 S.P.M	METHOD PUMPS RUN

DEVIATION RECORD: DEPTH | DEV | DIRECTION | DEPTH | DEV | DIRECTION | DEPTH | DEV | DIRECTION

REMARKS

MUD RECORD

TIME	5:00		
WEIGHT	9.1		
VISC.	50		
W.L.-C.C.	11.0		
FLTR. CK	2/32		
PH	11.0		
SD. CONT.			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT

C.P.—38 **DAILY DRILLING REPORT** REPORT NO. DATE H 32-59

OPERATOR	LOCATION LSD.	SEC.	TWP.	RGE.	W.	WELL NAME	No.	PROVINCE
						SHELL LIARD RIVER		N.W.T.

CONTRACTOR	RIG NO.	DRILL PIPE STRING NO.	SIZE	TOOL JOINT OD	TYPE THD
Shell Oil Company	2	3			I-F.

OPERATOR'S REPRESENTATIVE: C. D. Paulson

CONTRACTOR'S TOOL PUSHER:

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	NATIONAL	C-350	18
2.	"	C-350	"
3.			

CASING & LINER RECORD	SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	PERFORATIONS FROM	PERFORATIONS TO	CEMENT USED	OTHER

TIME DISTRIBUTION—HOURS	MORN	DAY	EVE
DRILLING ACTUAL			11
REAMING	9¾		¾
CIRCULATING			
TRIPS	2		
DEVIATION SURVEY			
TEST B.O.P.			
CUT OFF DRILL LINE			
REPAIR RIG	¼		¼
CORING			
WIRE LINE LOGGING			
OTHER			
FISHING			
COMPLETING (A) PERFORATING			
(B) RUNNING TUBING			
(C) SWABBING			
(D) TESTING			
(E) ACIDIZING			
(F) ADDITIONAL			
TOTALS	12		12

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 8 SIZE 1¼

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.

MORNING TOUR

NO.	DRILLING ASSEMBLY			BIT RECORD	
11	STANDS DP	1071:24	FT.	RUN NO.	35
2	SNGLS. DP		FT.	SIZE	9"
	D.C. ID			MFG.	REED
21	D.C. OD	636:87	FT.	TYPE	COBRA
1	RMR BODY OD	4:10	FT.	NOZ. NO.	3
	STB BODY OD		FT.	NOZ. SIZE	½"
	SUBS OD		FT.	SER. NO.	181713
	BIT OR C.B.		FT.	DEPTH OUT	
			FT.	CUMULATIVE HOURS RUN	
	KELLY DOWN	25:00	FT.	COND. OF BIT	
	TOTAL	1737:21	FT.	REAMER CUTTER NO.	
WT. OF STRING		78000	LBS.	TYPE	

DRILLER: F. Reimann

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
		1736										

DEVIATION RECORD: DEPTH | DEV | DIRECTION | DEPTH | DEV | DIRECTION | DEPTH | DEV | DIRECTION

REMARKS

¼	8⁰⁰ - 8¹⁵ - SER RIG
8¾	8¹⁵ - 5⁰⁰ - REAMING UNDER GAUGE HOLE TO BOTTOM (400')
2	5⁰⁰ - 7⁰⁰ - TRIP FOR NEW BIT
1	7⁰⁰ - 8⁰⁰ - REAMING UNDER GAUGE HOLE TO BOTTOM

MUD RECORD

TIME	10⁰⁰	2⁰⁰
WEIGHT	9.2	9.2
VISC.	47	44
W.L.-C.C.	8.6	8.6
FLTR. CK.	3/32	3/32
PH	11.0	11.0
SD. CONT.		

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

NO.	DRILLING ASSEMBLY			BIT RECORD	
13	STANDS DP	1223 2	FT.	RUN NO	35'
1	SNGLS. DP		FT.	SIZE	9
	D.C. ID			MFG	Reed
21	D.C. OD	636.87	FT	TYPE	Cobra
	RMR BODY OD	4.10	FT	NOZ. NO.	3
	STB BODY OD		FT	NOZ. SIZE	½
	SUBS OD		FT	SER. NO	181713
	BIT OR C.B		FT	DEPTH OUT	
			FT	CUMULATIVE HOURS RUN	11
	KELLY DOWN	13.82	FT	COND OF BIT	Run
	TOTAL	1878	FT	REAMER CUTTER NO.	
WT OF STRING		80000	LBS.	TYPE	

DRILLER: K. Young

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
11		1736	1878		65	80	1200	6½	70	6½		1

DEVIATION RECORD: DEPTH | DEV | DIRECTION | DEPTH | DEV | DIRECTION | DEPTH | DEV | DIRECTION

REMARKS

¼	8⁰⁰ - 8¹⁵ Rig Ser
¾	8¹⁵ - 9⁰⁰ Reaming To Bottom -
11	9⁰⁰ - 8⁰⁰ Drlg.

MUD RECORD

TIME	8:00	12:00	3:00
WEIGHT	9.1	9.0	9.1
VISC.	44	43	43
W.L.-C.C.	10.0	10.4	10.6
FLTR. CK	2/32	2/32	2/32
PH	11.0	11.0	11.0
SD. CONT.			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

EVENING TOUR

NO.	DRILLING ASSEMBLY			BIT RECORD	
	STANDS DP		FT.	RUN NO	
	SNGLS. DP		FT	SIZE	
	D.C. ID			MFG	
	D.C. OD		FT	TYPE	
	RMR BODY OD		FT	NOZ. 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

HRS. DRLD	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M	WT ON BIT 1000#	PUMP PRESS	PUMP NO 1 LINER SIZE	PUMP NO 1 S.P.M	PUMP NO 2 LINER SIZE	PUMP NO 2 S.P.M	METHOD PUMPS RUN

DEVIATION RECORD: DEPTH | DEV | DIRECTION | DEPTH | DEV | DIRECTION | DEPTH | DEV | DIRECTION

REMARKS

MUD RECORD

TIME	6:00
WEIGHT	9.1
VISC.	43
W.L.-C.C.	9.6
FLTR. CK	2/32
PH	11.0
SD. CONT.	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT

C.P.—38 DAILY DRILLING REPORT REPORT NO. DATE MARCH 29-59

OPERATOR	LOCATION LSD. SEC. TWP. RGE. W.	WELL NAME	No.	PROVINCE
SHELL OIL		SHELL LIARD RIVER		N.W.T.

CONTRACTOR: Shell Oil Company | RIG NO. 2 | DRILL PIPE STRING NO. SIZE 5" | TOOL JOINT 5" OD | TYPE THD I-F.

OPERATOR'S REPRESENTATIVE: C. D. Paulson | CONTRACTOR'S TOOL PUSHER

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	NATIONAL	C-350	18
2.	"	"	18
3.			

CASING & LINER RECORD

SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	PERFORATIONS FROM	PERFORATIONS TO	CEMENT USED	OTHER

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
DRILLING ACTUAL	2		1/4
REAMING	2 3/4		
CIRCULATING			
TRIPS	5		2
DEVIATION SURVEY	1/4		
TEST B.O.P.			
CUT OFF DRILL LINE			1
REPAIR RIG	2		
CORING			
WIRE LINE LOGGING			
OTHER			1/4
FISHING			
COMPLETING (A) PERFORATING			
(B) RUNNING TUBING			
(C) SWABBING			
(D) TESTING			
(E) ACIDIZING			
(F) ADDITIONAL			
TOTALS	12		12

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 8 SIZE 1 1/4

FEET SLIPPED 100

FEET CUT OFF 100

PRESENT LENGTH

TON MI. or TRIPS SINCE LAST CUT

CUMULATIVE TON MI. or TRIPS

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

MORNING TOUR

NO.	DRILLING ASSEMBLY			BIT RECORD		
11	STANDS DP	1071:24	FT	RUN NO.	32	33
2	SNGLS. DP		FT.	SIZE	9"	9"
21	D.C. ID			MFG.	H.T.C.	H.T.C.
	D.C. OD	636:87	FT.	TYPE	R-1J	W-7R
	RMR BODY OD		FT.	NOZ. NO.		3
	STB BODY OD		FT.	NOZ. SIZE	11/16"	11/16"
	SUBS OD		FT.	SER. NO.	28263	56078
	BIT OR C.B.		FT.	DEPTH OUT	1718	1718
			FT.	CUMULATIVE HOURS RUN	13 1/2	
	KELLY DOWN	25:00	FT.	COND. OF BIT	DULL	
	TOTAL	1733:00	FT.	REAMER CUTTER NO.		
WT. OF STRING		72,000	LBS.	TYPE		

DRILLER: R. Bell

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
2		1718	1733		70	30,000	800	6 1/2	70			

DEVIATION RECORD:

DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION
1710'	3/4°							

REMARKS

1/4	8:00 - 8:15	- DROP TOTCO & SER RIG
1	8:15 - 9:15	- PULL OUT.
2	9:15 - 11:15	- CHANGE ROTARY SPROCKET & SHALE SHAKER SCREEN
1 3/4	11:15 - 1:00	- RUN IN.
2 3/4	1:00 - 3:45	- REAMING 30' UNDER GAUGE HOLE TO BOTTOM.
2 1/4	3:45 - 6:00	- TRIP FOR NEW BIT
2	6:00 - 8:00	- DRILLING

MUD RECORD

TIME	10:00	2:00	6:00
WEIGHT	9.0	9.0	9.2
VISC.	39	40	46
W.L.-C.C.	10.2	10.2	10.4
FLTR. CK	2/32	2/32	2/32
PH	11.0	11.0	11.0
SD. CONT.			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	25 SKS		

DAY TOUR

NO.	DRILLING ASSEMBLY			BIT RECORD		
11	STANDS DP	1071.24	FT.	RUN NO	34	
2	SNGLS. DP		FT.	SIZE	9"	
21	D.C. ID			MFG	H.T.C.	
	D.C. OD	1,36 87	FT	TYPE	O.WC	
	RMR BODY OD	4.10	FT	NOZ. NO.	3	
	STB BODY OD		FT	NOZ. SIZE	11/16	
	SUBS OD		FT	SER. NO	55204	
	BIT OR C.B		FT	DEPTH OUT	1738	
			FT	CUMULATIVE HOURS RUN	2 3/4	
	KELLY DOWN	25.00	FT	COND OF BIT	Dull	
	TOTAL	1737.21	FT	REAMER CUTTER NO.		
WT OF STRING			LBS.	TYPE		

DRILLER: R. Young

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
3/4		1733	1737		70	30	800	6 1/2	70	6 1/2		1

DEVIATION RECORD:

DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION
1735'	3/4							

REMARKS

8:00 - 8:15 Rig Ser
8:15 - 9:00 Drlg
9:00 - 10:00 Pull out Survey
10:00 - 6:00 Repair oil Lines & grease lines in Walls
6:00 - 7:00 Slip & cut 100' Drlg Line
7:00 - 8:00 Run in w/ Hole opener.

MUD RECORD

TIME	8:00		
WEIGHT	9.1		
VISC.	46		
W.L.-C.C.	12.3		
FLTR. CK	2/32		
PH			
SD. CONT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

EVENING TOUR

NO.	DRILLING ASSEMBLY			BIT RECORD		
	STANDS DP		FT.	RUN NO		
	SNGLS. DP		FT	SIZE		
	D.C. ID			MFG		
	D.C. OD		FT	TYPE		
	RMR BODY OD		FT	NOZ. 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

HRS. DRLD	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M	WT ON BIT 1000#	PUMP PRESS	PUMP NO 1 LINER SIZE	PUMP NO 1 S.P.M	PUMP NO 2 LINER SIZE	PUMP NO 2 S.P.M	METHOD PUMPS RUN

DEVIATION RECORD:

DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION

REMARKS

MUD RECORD

TIME			
WEIGHT			
VISC.			
W.L.-C.C.			
FLTR. CK			
PH			
SD. CONT.			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

C.P.—38

DAILY DRILLING REPORT

REPORT NO.

DATE MARCH 28-59

OPERATOR	LOCATION LSD. SEC. TWP. RGE. W.	WELL NAME	PROVINCE
SHELL OIL		SHELL HARO RIVER No.	N.W.T.

CONTRACTOR	RIG NO.	DRILL PIPE STRING NO. SIZE	TOOL JOINT OD / TYPE THD
Shell Oil Company	2	3½"	

OPERATOR'S REPRESENTATIVE: C.O. Paulson.

CONTRACTOR'S TOOL PUSHER:

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	NATIONAL	C-350	18
2.	"	"	18
3.			

CASING & LINER RECORD	SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	PERFORATIONS FROM	PERFORATIONS TO	CEMENT USED	OTHER

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
DRILLING ACTUAL	2	11¾	
REAMING	5¼		
CIRCULATING			
TRIPS	4		
DEVIATION SURVEY			
TEST B.O.P.			
CUT OFF DRILL LINE			
REPAIR RIG SER	¾	¼	
CORING			
WIRE LINE LOGGING			
OTHER			
FISHING			
COMPLETING (A) PERFORATING			
(B) RUNNING TUBING			
(C) SWABBING			
(D) TESTING			
(E) ACIDIZING			
(F) ADDITIONAL			
TOTALS	12		12

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.

MORNING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD		
9	STANDS DP	888:66 FT	RUN NO.	30	31
2	SNGLS. DP	FT.	SIZE	9"	9"
	D.C. ID		MFG.	H.T.C	H.T.C
21	7¾"OD	636:87 FT.	TYPE	W-7R	W-7R
	RMR BODY OD	FT.	NOZ. NO.	3/16	3/16
	STB BODY OD	FT.	NOZ. SIZE		
	SUBS OD	FT.	SER. NO.	56074	56077
	BIT OR C.B.	FT.	DEPTH OUT	1525	1527
		FT.	CUMULATIVE HOURS RUN	4¼	3½
	KELLY DOWN	13:00 FT.	COND. OF BIT	UNDERGAUGE	
	TOTAL	1538:06 FT.	REAMER CUTTER NO.		
WT. OF STRING	72,000 LBS.		TYPE		

DRILLER: F. Ben[illegible]

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
2		1525	1538		78	30	700	6½	70			

DEVIATION RECORD: DEPTH / DEV / DIRECTION / DEPTH / DEV / DIRECTION / DEPTH / DEV / DIRECTION

REMARKS

1/4	8:00-8:15 - Ser Rig
1¾	8:15-10:00 - Reaming under Gauge Hole
2	10:00-12:00 - Trip for New Bit
3¼	12:00-3:15 - Reaming under Gauge Hole
1/4	3:15-3:30 - Drilling
2	3:30-5:30 - Trip for New Bit
3/4	5:30-6:15 - Reaming 3' under Gauge Hole to Bottom
1¾	6:15-8:00 - Drilling

MUD RECORD

TIME	10:00	2:00	6:00
WEIGHT	9.0	9.0	9.0
VISC.	40	39	40
W.L.-C.C.	11.0	11.0	10.2
FLTR. CK.	2/32	2/32	2/32
PH	11.0	11.0	11.0
SD. CONT.			

MUD & CHEMICALS ADDED: TYPE / AMT. / TYPE / AMT.

DAY TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD		
11	STANDS DP	1040,48 FT.	RUN NO	32	
1	SNGLS. DP	FT.	SIZE	9"	
	D.C. ID		MFG	H.T.C	
21	7-6 OD	636.87 FT	TYPE	R-1J	
	RMR BODY OD	FT	NOZ. NO.		
	STB BODY OD	FT	NOZ. SIZE	11/16	
	SUBS OD	FT	SER. NO	78253	
	BIT OR C.B	FT	DEPTH OUT		
		FT	CUMULATIVE HOURS RUN	13¾	
	KELLY DOWN	34.65 FT.	COND OF BIT	Run.	
	TOTAL	1712. FT	REAMER CUTTER NO.		
WT OF STRING		LBS.	TYPE		

DRILLER: K. Young

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
11¾		1538	1712		78	32	700	6½	70	6½		1

DEVIATION RECORD: DEPTH / DEV / DIRECTION / DEPTH / DEV / DIRECTION / DEPTH / DEV / DIRECTION

REMARKS

8:00-8:15 Rig Ser

8:15-8:00 Drlg.

MUD RECORD

TIME	8:00	11:00	2:00
WEIGHT	8.9	8.9	9.0
VISC.	38	37	37
W.L.-C.C.	11.0	12.2	10.0
FLTR. CK	2/32	2/32	2/32
PH	11.0	11.0	11.0
SD. CONT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	5 sacks		
Lytron	1 lb.		

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	NOZ. 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

HRS. DRLD	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M	WT ON BIT 1000#	PUMP PRESS	PUMP NO 1 LINER SIZE	PUMP NO 1 S.P.M	PUMP NO 2 LINER SIZE	PUMP NO 2 S.P.M	METHOD PUMPS RUN

DEVIATION RECORD: DEPTH / DEV / DIRECTION / DEPTH / DEV / DIRECTION / DEPTH / DEV / DIRECTION

REMARKS

MUD RECORD

TIME	5:00		
WEIGHT	9.0		
VISC.	38		
W.L.-C.C.	10.2		
FLTR. CK	2/32		
PH	11.0		
SD. CONT.			

MUD & CHEMICALS ADDED: TYPE / AMT. / TYPE / AMT

C.P.—38 **DAILY DRILLING REPORT** REPORT NO. DATE MARCH 27-59

OPERATOR	LOCATION LSD. SEC. TWP. RGE. W.	WELL NAME	No.	PROVINCE
SHELL OIL		SHELL LIARD RIVER		N.W.T.

CONTRACTOR	RIG NO.	DRILL PIPE STRING NO. SIZE	TOOL JOINT	OD
Shell Oil Company	2		TYPE THD	I-F.

OPERATOR'S REPRESENTATIVE: C.O. Paulson

CONTRACTOR'S TOOL PUSHER:

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	NATIONAL	C-350	18
2.	"	"	"
3.			

CASING & LINER RECORD	SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	PERFORATIONS FROM	PERFORATIONS TO	CEMENT USED	OTHER

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
DRILLING ACTUAL	5		
REAMING	3 3/4		7 1/2
CIRCULATING			
TRIPS	2 3/4		3 1/4
DEVIATION SURVEY	1/4		
TEST B.O.P.			
CUT OFF DRILL LINE			
REPAIR RIG SER	1/4		1 1/4
CORING			
WIRE LINE LOGGING			
OTHER			
FISHING			
COMPLETING (A) PERFORATING			
(B) RUNNING TUBING			
(C) SWABBING			
(D) TESTING			
(E) ACIDIZING			
(F) ADDITIONAL			
TOTALS	12		12

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 8 SIZE 1 1/4

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.

MORNING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD		
9	STANDS DP	FT.	RUN NO.	27	28
1	SNGLS. DP	857.99 FT.	SIZE	9"	9"
	D.C. ID		MFG.	H.T.C.	H.T.C
21	7 1/2" OD	636.87 FT.	TYPE	W-7R	W-7R
	RMR BODY OD	FT.	NOZ. NO.	3	3
	STB BODY OD	FT.	NOZ. SIZE	11/16"	11/16"
	SUBS OD	FT.	SER. NO.	56072	56071
	BIT OR C.B.	FT.	DEPTH OUT	1519	1525
	Junk Sub	2.18 FT.	CUMULATIVE HOURS RUN	3 1/4	1 3/4
	KELLY DOWN	28.00 FT.	COND. OF BIT	BALD	Dull
	TOTAL	1525.04 FT.	REAMER CUTTER NO.		
WT. OF STRING	72 000 LBS.		TYPE		

DRILLER: F. Redmon

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
5		1491	1525		85	35000	650					

DEVIATION RECORD:

DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION

REMARKS

1/4 8.00-8.15 - Ser Rig
1/2 8.15-8.45 - Reaming under Gauge Hole
3 1/4 8.45-12.00 - Drilling
2 12.00-2.00 - Trip for New Bit
3 1/4 2.00-5.15 - Reaming under Gauge Hole To Bottom (35')
1 3/4 5.15-7.00 - Drilling
1/4 7.00-7.15 - Drop Totco
3/4 7.15-8.00 - Pull out

MUD RECORD

TIME	10.00	2.00	6.00
WEIGHT	8.9	8.9	8.9
VISC.	37	36	35
W.L.-C.C.	12.9	11.00	12.00
FLTR. CK.	2/32	2/32	2/32
PH	11.00	11.00	11.0
SD. CONT.			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
COMMCARB	5 30		
GELL	5 sk		
LYTRON B	2 LB		

DAY TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD		
9	STANDS DP	FT.	RUN NO	29	30
1	SNGLS. DP	857.99 FT.	SIZE	9	9
	D.C. ID		MFG	HTC	HTC
21	7 1/2 OD	636.87 FT	TYPE	W7R	W7R
	RMR BODY OD	FT	NOZ. NO.	3	3
	STB BODY OD	FT	NOZ. SIZE	5/16	5/16
	SUBS OD	FT	SER. NO	56075	56074
	BIT OR C.B	FT	DEPTH OUT	1525	
		FT	CUMULATIVE HOURS RUN	5	2 1/2
	KELLY DOWN	30.18 FT	COND OF BIT	Ream.	Ream
	TOTAL	1525.04 FT	REAMER CUTTER NO.		
WT OF STRING	72 000 LBS.		TYPE		

DRILLER: K. L. Young

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M	WT ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
		1525			120	1000	700	6 1/2	72			1

DEVIATION RECORD:

DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION
1525	1 1/2							

REMARKS

8.00-8.15 Rig Ser.
8.15-9.30 Run in
9.30-2.30 Ream. under Gauge Hole 25' To Bottom
2.30-4.30 Trip For Bit
4.30-5.30 Work on Flow Line
5.30-8.00 Ream under Gauge Hole 90' To Bottom

MUD RECORD

TIME	10.00	~~12.00~~	6:30
WEIGHT	8.9	8.9	8.9
VISC.	35	36	42
W.L.-C.C.		13.2	13.4
FLTR. CK.			
PH	11.0	11.0	11.0
SD. CONT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	10 sks.		
Lytron B	2 lbs.		

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	NOZ. 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

HRS. DRLD	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M	WT ON BIT 1000#	PUMP PRESS	PUMP NO 1 LINER SIZE	PUMP NO 1 S P M	PUMP NO 2 LINER SIZE	PUMP NO 2 S.P.M	METHOD PUMPS RUN

DEVIATION RECORD:

DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION

REMARKS

MUD RECORD

TIME			
WEIGHT			
VISC.			
W.L.-C.C.			
FLTR. CK			
PH			
SD. CONT.			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT

C.P.—38 **DAILY DRILLING REPORT** REPORT NO. DATE March 26/59

OPERATOR	LOCATION LSD. SEC. TWP. RGE. W.	WELL NAME	No.	PROVINCE
		SHELL LIARD RIVER		N.W.T.

CONTRACTOR	RIG NO.	DRILL PIPE STRING NO. SIZE	TOOL JOINT	OPERATOR'S REPRESENTATIVE	CONTRACTOR'S TOOL PUSHER
Shell Oil Company	2		6" OD TYPE THD 4½ I.F.	C.O. Paulson	

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	NATIONAL	C-350	18"
2.	"	"	"
3.			

CASING & LINER RECORD	SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	PERFORATIONS FROM	PERFORATIONS TO	CEMENT USED	OTHER

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
DRILLING ACTUAL	6½	5½	
REAMING	2½	2½	
CIRCULATING			
TRIPS	2	4½	
DEVIATION SURVEY			
TEST B.O.P.			
CUT OFF DRILL LINE			
REPAIR RIG			
CORING			
WIRE LINE LOGGING			
OTHER	1	1½	
FISHING			
COMPLETING (A) PERFORATING			
(B) RUNNING TUBING			
(C) SWABBING			
(D) TESTING			
(E) ACIDIZING			
(F) ADDITIONAL			
TOTALS	12	12	

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 8 SIZE 1/4

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.

MORNING TOUR

NO.	DRILLING ASSEMBLY			BIT RECORD		
8	STANDS DP	736.18 FT.		RUN NO.	25	26
1	SNGLS. DP	30.68 FT.		SIZE	9"	9"
	D.C. ID			MFG.	HTC	HTC
21	6" 7" OD	630.09 FT.		TYPE	W7R	W7R
	RMR BODY OD		FT.	NOZ. NO.	3	3
	STB BODY OD	2.18 FT.		NOZ. SIZE	11/16	11/16
3	SUBS OD	6.78 FT.		SER. NO.	56075	56080
	BIT OR C.B.	.60 FT.		DEPTH OUT	1384	
			FT.	CUMULATIVE HOURS RUN	2½	6½
	KELLY DOWN	39.40 FT.		COND. OF BIT	Good	
	TOTAL	1445.77 FT.		REAMER CUTTER	REAM	
WT. OF STRING	60,000 LBS.			TYPE	100	

DRILLER L. Silucho

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
		1384	1445		80	35	700	6½	70	6½	[illegible]	

DEVIATION RECORD:

DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION

REMARKS

1/4	8:00	8:15	Rig Serv. & Bolt.
3/4	8:15	9:00	Finished Picking up DCs. & Ran in w/ Drill Pipe.
2½	9:00	11:30	Reamed Under Gauge Hole From 1284 – 1384
2	11:30	1:30	Trip For Bit # 26
6½	1:30	8:00	Drilling

MUD RECORD

TIME	11:00	3:00	7:00
WEIGHT	9.0	9.0	9.0
VISC.	63	60	50
W.L.-C.C.	9.8	9.8	10.8
FLTR. CK.	2/32	2/32	2/32
PH	11.5	11.0	11.0
SD. CONT.			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Water.			

DAY TOUR

NO.	DRILLING ASSEMBLY			BIT RECORD		
9	STANDS DP	827.23 FT.		RUN NO.	26	27
	SNGLS. DP		FT.	SIZE	9	9
	D.C. ID			MFG	HTC	HTC
	4 Subs OD	636.87 FT.		TYPE	W7R	W7R
	RMR BODY OD		FT	NOZ. NO.	3	3
	STB BODY OD		FT	NOZ. SIZE	11/16	11/16
3	SUBS OD	2.18 FT.		SER. NO	56080	56072
	BIT OR C.B		FT	DEPTH OUT	1491	
			FT	CUMULATIVE HOURS RUN	12	
	KELLY DOWN	25.20 FT.		COND OF BIT	Dull	New
	TOTAL	1491.48 FT.		REAMER CUTTER NO.		
WT OF STRING		LBS.		TYPE		

DRILLER R. L. Young

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
5½		1445	1491		80	35	500	6½	70	6½		

DEVIATION RECORD:

DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION
1490	1							

REMARKS

8:00	8:15	Rig Ser	
8:15	1:45	Drlg	
1:45	4:30	Trip For Bit # 27	
4:30	5:30	Walk on Light Plant & shale shaker motors	
5:30	8:00	Ream. Hole to Bottom.	

MUD RECORD

TIME			
WEIGHT			
VISC.			
W.L.-C.C.			
FLTR. CK			
PH			
SD. CONT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

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	NOZ. 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

HRS. DRLD	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M	WT ON BIT 1000#	PUMP PRESS	PUMP NO 1 LINER SIZE	PUMP NO 1 S.P.M	PUMP NO 2 LINER SIZE	PUMP NO 2 S.P.M	METHOD PUMPS RUN
									70		[illegible]	

DEVIATION RECORD:

DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION

REMARKS

MUD RECORD

TIME	10:00	1:00	7:30
WEIGHT	8.9	8.9	8.9
VISC.	45.	40	39
W.L.-C.C.	10.8	10.8	
FLTR. CK	2/32	2/32	
PH	11.0	11.0	11.0
SD. CONT.			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT
Water.			
Bicarb.	300#		

C.P.—38 **DAILY DRILLING REPORT** REPORT NO. DATE March 25/59

OPERATOR	LOCATION LSD. SEC. TWP. RGE. W.	WELL NAME	No.	PROVINCE
–		Shell Liard River	2	N.W.T.

CONTRACTOR	RIG NO.	DRILL PIPE STRING NO. SIZE	TOOL JOINT	OD
Shell Oil Company	2.		TYPE THD 4½ I.F.	6"

OPERATOR'S REPRESENTATIVE: C. O. Paulson

CONTRACTOR'S TOOL PUSHER:

PUMPS NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	National	C-350	18"
2.	"	"	"
3.			

CASING & LINER RECORD	SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	PERFORATIONS FROM	PERFORATIONS TO	CEMENT USED	OTHER

TIME DISTRIBUTION—HOURS	MORN	DAY	EVE
DRILLING ACTUAL	8½	8½	
REAMING			
CIRCULATING			
TRIPS	3	3	
DEVIATION SURVEY	¼	¼	
TEST B.O.P.			
CUT OFF DRILL LINE			
REPAIR RIG Ser		¼	
CORING			
WIRE LINE LOGGING			
OTHER	¼		
FISHING			
COMPLETING (A) PERFORATING			
(B) RUNNING TUBING			
(C) SWABBING			
(D) TESTING			
(E) ACIDIZING			
(F) ADDITIONAL			
TOTALS	12	12	

TIME SUMMARY (OFFICE USE ONLY)

CONTRACTOR'S TIME HRS

OPERATOR'S TIME:

HRS. W/D.P.:

HRS. W/O.D.P.:

HRS. STANDBY

WIRE LINE RECORD

REEL NO.

NO. OF LINES 8 SIZE 1¼

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.

MORNING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD		
10	STANDS DP	919.15 FT.	RUN NO.	22	23
	SNGLS. DP	61.34 FT.	SIZE	9"	9"
10	D.C. 2⅞ ID 7" OD	314.57 FT.	MFG.	HTC	HTC
			TYPE	OWC	W7
	RMR BODY OD	FT.	NOZ. NO.	3	3
	STB BODY OD	FT.	SIZE	11/16	11/16
2.	SUBS OD	4.08 FT.	SER. NO.	55201	55387
	BIT OR C.B.	.60 FT.	DEPTH OUT	1295	1324
		FT.	CUMULATIVE HOURS RUN	10	2½
	KELLY DOWN	25.20 FT.	COND. OF BIT	Bold	Bold
	TOTAL	1324.89 FT.	REAMER CUTTER NO.		
	WT. OF STRING	54,000 LBS.	TYPE		

DRILLER: S. Silesch

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
8½		1281	1324		160	15 / 20	600	6½	72	6½		

DEVIATION RECORD:	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION
	1295.	½°							

REMARKS

¼	8:00	8:15	Rig Serv.
3	8:15	11:15	Drilling
¼	11:15	11:30	Drop Survey @ 1295 ½°
1½	11:30	1:00	Trip Bit # 23
2½	1:00	3:30	Drilling
1½	3:30	5:00	Trip Bit # 24
3	5:00	8:00	Drilling

MUD RECORD			
TIME	8:00	12:00	4:00
WEIGHT	8.7	8.7	8.7
VISC.	45	40	38
W.L.-C.C.	30.0	24.0	24.0
FLTR. CK.	1/32	1/32	1/32
PH	11.0	11.0	11.0
SD. CONT.			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Bicarb	300#		

DAY TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD		
11	STANDS DP	FT.	RUN NO.	24	25
1	SNGLS. DP	1042.04 FT.	SIZE	9"	9"
10	D.C. ID 9" OD	314.57 FT	MFG	HTC	H.T.C
			TYPE	W7R	W-7R
	RMR BODY OD	FT	NOZ. NO.	3	3
	STB BODY OD	FT	SIZE	11/16	11/16
2.	SUBS OD	4.08 FT	SER. NO	56079	56075
	BIT OR C.B	.60 FT	DEPTH OUT	1384	
		FT	CUMULATIVE HOURS RUN	3½	
	KELLY DOWN	24.00 FT	COND. OF BIT	Bold	
	TOTAL	1384.69 FT	REAMER CUTTER NO.		
	WT OF STRING	55000 LBS	TYPE		

DRILLER: F. Bellmore

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
		1324	1384		85	25-30	600	6	70			

DEVIATION RECORD:	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION
	1380'	½°							

REMARKS

¼	8:00 - 8:15	- Ser Rig
8½	8:15 - 4:45	- Drilling
¼	4:45 - 5:00	- Drop Survey.
3	5:00 - 8:00	- Pull out change bits run 7" collars
		Pick up 6" collars.

MUD RECORD			
TIME	10:00	3:00	5:30
WEIGHT	8.9	9.0	9.0
VISC.	42	48	49
W.L.-C.C.	16.0	10.4	10.4
FLTR. CK.	1/32	1/32	1/32
PH	11.0	10.0	10.5
SD. CONT.			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gell	415#		
Nitronb	10 L		
Quebracho	500		
Caustic	100		

EVENING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD		
	STANDS DP	FT.	RUN NO		
	SNGLS. DP	FT	SIZE		
	D.C. ID OD	FT	MFG		
			TYPE		
	RMR BODY OD	FT	NOZ. NO		
	STB BODY OD	FT	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

HRS. DRLD	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M	WT ON BIT 1000#	PUMP PRESS	PUMP NO 1 LINER SIZE	PUMP NO 1 S.P.M	PUMP NO 2 LINER SIZE	PUMP NO 2 S.P.M	METHOD PUMPS RUN

DEVIATION RECORD	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION

REMARKS

MUD RECORD			
TIME			
WEIGHT			
VISC.			
W.L.-C.C.			
FLTR. CK			
PH			
SD. CONT.			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT

DAILY DRILLING REPORT

REPORT NO. | DATE MAR 24/59

LOCATION LSD. SEC. TWP. RGE. W. | WELL NAME SHELL LIARD RIVER No. | PROVINCE N.W.T.

Shell Oil Company

RIG NO. 2 | DRILL PIPE STRING NO. SIZE | TOOL JOINT 6" OD | TYPE THD 4½ LF.

OPERATOR'S REPRESENTATIVE: C.D. Paulson

CONTRACTOR'S TOOL PUSHER

PUMPS NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	NATIONAL	C-350	18"
2.	"	"	"
3.			

CASING & LINER RECORD

SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	PERFORATIONS FROM	PERFORATIONS TO	CEMENT USED	OTHER

TIME DISTRIBUTION — HOURS

	MORN	DAY	EVE
DRILLING ACTUAL		7½	
REAMING			
CIRCULATING			
TRIPS	1½	2	
DEVIATION SURVEY			
TEST B.O.P.			
CUT OFF DRILL LINE			
REPAIR RIG		1¼	
CORING			
WIRE LINE LOGGING			
OTHER	11½	1¼	
FISHING			
COMPLETING (A) PERFORATING			
(B) RUNNING TUBING			
(C) SWABBING			
(D) TESTING			
(E) ACIDIZING			
(F) ADDITIONAL			
TOTALS	12	12	

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 8 SIZE 1¼

FEET SLIPPED

FEET CUT OFF

PRESENT LENGTH

TON. MI. or TRIPS SINCE LAST CUT

CUMULATIVE TON. MI. TRIPS

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

MORNING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	RUN NO.	
	SNGLS. DP	FT.	SIZE	
	D.C. ID		MFG.	
	D.C. OD	FT.	TYPE	
	RMR BODY OD	FT.	NOZ. 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: S. Liberto

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
		1240						6½		6½		

DEVIATION RECORD: DEPTH | DEV | DIRECTION | DEPTH | DEV | DIRECTION | DEPTH | DEV | DIRECTION

REMARKS

9 8⁰⁰ – 9⁰⁰ Rig Serv.
Installed Rams in BOP. Work on Hydil. Lines
½ 9⁰⁰ – 9³⁰ Pressure up on Blind Rams @ 1000# OK
½ 9³⁰ – 6⁰⁰ Run in w/ 12¼" Bit.
6⁰⁰ – 7⁰⁰ Pressure up on Hydril & Pipe Rams @ 1000# (Held OK)
1 7⁰⁰ – 8⁰⁰ Drilled out Plug & Float @ 1180. Shoe @ 1220
Displaced Hole w/ Water.

MUD RECORD

TIME	
WEIGHT	
VISC.	
W.L.-C.C.	
FLTR. CK.	
PH	
SD. CONT.	

MUD & CHEMICALS ADDED: TYPE | AMT. | TYPE | AMT.

DAY TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
10	STANDS DP	949:74 FT.	RUN NO	22
1	SNGLS. DP	FT.	SIZE	9"
10	D.C. ID 7" OD	314:57 FT	MFG	H.T.C
			TYPE	D.W.R.
	RMR BODY OD	FT	NOZ. NO.	
	STB BODY OD	FT	NOZ. SIZE	
	SUBS Junk OD	2:18 FT	SER. NO	55201
	BIT OR SUB	1:90 FT	DEPTH OUT	
		FT	CUMULATIVE HOURS RUN	7½
	KELLY DOWN	16:00 FT	COND. OF BIT	
	TOTAL	1281:31 FT	REAMER CUTTER NO.	
WT. OF STRING		50⁰⁰⁰ LBS.	TYPE	

DRILLER: F. Bidwell

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
7½		1240	1281		160	15⁰⁰	600					

DEVIATION RECORD: DEPTH | DEV | DIRECTION | DEPTH | DEV | DIRECTION | DEPTH | DEV | DIRECTION

REMARKS

¼ 8⁰⁰ – 8¹⁵ – Ser Rig
1 8¹⁵ – 9¹⁵ – Pull out
1¼ 9¹⁵ – 10³⁰ – Dig Mouse Hole & Install Sand
1 10³⁰ – 11³⁰ – Run in
1 11³⁰ – 12³⁰ – Work on Shakers
7½ 12³⁰ – 8⁰⁰ – Drilling

MUD RECORD

TIME	2⁰⁰	4⁰⁰	7⁰⁰
WEIGHT			
VISC.	32	42	43
W.L.-C.C.			
FLTR. CK			
PH	11.0	11.0	10.0
SD. CONT.			

MUD & CHEMICALS ADDED: TYPE | AMT. | TYPE | AMT.
BELL GUM | NITROB, 12LB
BICARB 300
CAUSTIC 75
TANNIN 200

EVENING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	RUN NO	
	SNGLS. DP	FT	SIZE	
	D.C. ID		MFG	
	D.C. OD	FT	TYPE	
	RMR BODY OD	FT	NOZ. 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

HRS. DRLD	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M	WT ON BIT 1000#	PUMP PRESS	PUMP NO 1 LINER SIZE	PUMP NO 1 S.P.M	PUMP NO 2 LINER SIZE	PUMP NO 2 S.P.M	METHOD PUMPS RUN

DEVIATION RECORD: DEPTH | DEV | DIRECTION | DEPTH | DEV | DIRECTION | DEPTH | DEV | DIRECTION

REMARKS

MUD RECORD

TIME	8⁰⁰
WEIGHT	
VISC.	
W.L.-C.C.	
FLTR. CK	
PH	
SD. CONT.	

MUD & CHEMICALS ADDED: TYPE | AMT. | TYPE | AMT

C.P.—38 **DAILY DRILLING REPORT** REPORT NO. DATE MARCH 23/59

OPERATOR	LOCATION LSD. SEC. TWP. RGE. W.	WELL NAME SHELL LIARD RIVER	No.	PROVINCE N.W.T.

CONTRACTOR	RIG NO.	DRILL PIPE STRING NO. SIZE	TOOL JOINT OD / TYPE THD
Shell Oil Company	2		4½ IF.

OPERATOR'S REPRESENTATIVE: C.O. Paulson

CONTRACTOR'S TOOL PUSHER:

PUMPS NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.			
2.			
3.			

CASING & LINER RECORD	SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	PERFORATIONS FROM	PERFORATIONS TO	CEMENT USED	OTHER

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	12	12	
FISHING			
COMPLETING (A) PERFORATING			
(B) RUNNING TUBING			
(C) SWABBING			
(D) TESTING			
(E) ACIDIZING			
(F) ADDITIONAL			
TOTALS	12	12	

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.

MORNING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	RUN NO.	
	SNGLS. DP	FT.	SIZE	
	D.C. ID		MFG.	
	D.C. OD	FT.	TYPE	
	RMR BODY OD	FT.	NOZ. 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: S. Sikuch

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN

DEVIATION RECORD:	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION

REMARKS

8⁰⁰ 8⁰⁰ Nipping up BOP. Work on Mud Tanks & Installing Hydril Lines.

MUD RECORD			
TIME			
WEIGHT			
VISC.			
W.L.-C.C.			
FLTR. CK.			
PH			
SD. CONT.			

MUD & CHEMICALS ADDED TYPE	AMT.	TYPE	AMT.

DAY TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	RUN NO	
	SNGLS. DP	FT.	SIZE	
	D.C. ID		MFG	
	D.C. OD	FT	TYPE	
	RMR BODY OD	FT	NOZ. 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: C. Paulson

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M	WT ON BIT 1000#	PUMP PRESS	PUMP NO 1 LINER SIZE	PUMP NO 1 S P M	PUMP NO 2 LINER SIZE	PUMP NO 2 S.P.M	METHOD PUMPS RUN

DEVIATION RECORD	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION

REMARKS

12 8⁰⁰ - 8⁰⁰ Nipple up & Installing Hyril Lines, Prime Pumps Work on Accumulator.

MUD RECORD			
TIME			
WEIGHT			
VISC.			
W.L.-C.C.			
FLTR. CK.			
PH			
SD. CONT.			

MUD & CHEMICALS ADDED TYPE	AMT.	TYPE	AMT.

EVENING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	RUN NO	
	SNGLS. DP	FT	SIZE	
	D.C ID		MFG	
	D.C OD	FT	TYPE	
	RMR BODY OD	FT	NOZ. 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

HRS. DRLD	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M	WT ON BIT 1000#	PUMP PRESS	PUMP NO 1 LINER SIZE	PUMP NO 1 S P M	PUMP NO 2 LINER SIZE	PUMP NO 2 S.P.M	METHOD PUMPS RUN

DEVIATION RECORD	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION

REMARKS

MUD RECORD			
TIME			
WEIGHT			
VISC.			
W.L.-C.C.			
FLTR. CK			
PH			
SD. CONT.			

MUD & CHEMICALS ADDED TYPE	AMT.	TYPE	AMT

C.P.—38 **DAILY DRILLING REPORT** REPORT NO. DATE MAR. 22/59

OPERATOR	LOCATION LSD. SEC. TWP. RGE. W.	WELL NAME	No.	PROVINCE
		SHELL LIARD RIVER		N.W.T.

CONTRACTOR	RIG NO.	DRILL PIPE STRING NO. SIZE	TOOL JOINT OD	TYPE THD
Shell Oil Company	2			4½ IF.

OPERATOR'S REPRESENTATIVE: C.O. Paulson

CONTRACTOR'S TOOL PUSHER:

PUMPS NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	NATIONAL	C-350	18"
2.	"	"	"
3.			

CASING & LINER RECORD	SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	PERFORATIONS FROM	PERFORATIONS TO	CEMENT USED	OTHER

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	12	12	
FISHING			
COMPLETING (A) PERFORATING			
(B) RUNNING TUBING			
(C) SWABBING			
(D) TESTING			
(E) ACIDIZING			
(F) ADDITIONAL			
TOTALS	12	12	

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

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.

MORNING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	RUN NO.	
	SNGLS. DP	FT.	SIZE	
	D.C. ID		MFG.	
	D.C. OD	FT.	TYPE	
	RMR BODY OD	FT.	NOZ. 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: S. Sluchs

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN

DEVIATION RECORD:	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION

REMARKS

8⁰⁰ 8⁰⁰ W.O.C.

REMOVED ICE OUT FROM UNDER SUBSTRUCTURE. CELLAR & BOPS.
FINISHED CLEANING OUT SHALE SHAKER TANK.

MUD RECORD			
TIME			
WEIGHT			
VISC.			
W.L.-C.C.			
FLTR. CK.			
PH			
SD. CONT.			

MUD & CHEMICALS ADDED TYPE	AMT.	TYPE	AMT.

DAY TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	RUN NO	
	SNGLS. DP	FT.	SIZE	
	D.C. ID		MFG	
	D.C. OD	FT	TYPE	
	RMR BODY OD	FT	NOZ. 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: P. Bellman

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN

DEVIATION RECORD:	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION

REMARKS

8⁰⁰ - 8⁰⁰ - W.O.C.
SLACK OFF & BACK OFF LANDING JOINT AND HEAD UP W/B.O.P.S.

MUD RECORD			
TIME			
WEIGHT			
VISC.			
W.L.-C.C.			
FLTR. CK.			
PH			
SD. CONT.			

MUD & CHEMICALS ADDED TYPE	AMT.	TYPE	AMT.

EVENING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	RUN NO	
	SNGLS. DP	FT	SIZE	
	D.C. ID		MFG	
	D.C. OD	FT	TYPE	
	RMR BODY OD	FT	NOZ. 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

HRS. DRLD	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M	WT ON BIT 1000#	PUMP PRESS	PUMP NO 1 LINER SIZE	PUMP NO 1 S P M	PUMP NO 2 LINER SIZE	PUMP NO 2 S.P.M	METHOD PUMPS RUN

DEVIATION RECORD	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION

REMARKS

MUD RECORD			
TIME			
WEIGHT			
VISC.			
W.L.-C.C.			
FLTR. CK.			
PH			
SD. CONT.			

MUD & CHEMICALS ADDED TYPE	AMT.	TYPE	AMT

C.P.—38 **DAILY DRILLING REPORT** REPORT NO. DATE MARCH. 21/59

OPERATOR	LOCATION LSD. SEC. TWP. RGE. W.	WELL NAME	No.	PROVINCE
		SHELL LIARD RIVER.		N.W.T.

CONTRACTOR	RIG NO.	DRILL PIPE STRING NO. SIZE	TOOL JOINT OD / TYPE THD
Shell Oil Company	2		4½ I.F.

OPERATOR'S REPRESENTATIVE: C.O. Paulson. CONTRACTOR'S TOOL PUSHER:

PUMPS

NO	MANUFACTURER	TYPE	STROKE LENGTH
1.	NATIONAL.	C-330	18"
2.	"	"	"
3.			

CASING & LINER RECORD	SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	PERFORATIONS FROM	PERFORATIONS TO	CEMENT USED	OTHER

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	12	12	
FISHING			
COMPLETING (A) PERFORATING			
(B) RUNNING TUBING			
(C) SWABBING			
(D) TESTING			
(E) ACIDIZING			
(F) ADDITIONAL			
TOTALS	12	12	

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.

MORNING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	RUN NO.	
	SNGLS. DP	FT.	SIZE	
	D.C. ID		MFG.	
	D.C. OD	FT.	TYPE	
	RMR BODY OD	FT.	NOZ. 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 S. Silnch

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
		1240										

DEVIATION RECORD: DEPTH / DEV / DIRECTION / DEPTH / DEV / DIRECTION / DEPTH / DEV / DIRECTION

REMARKS
3½ 8⁰⁰ 1³⁰ Cement Casing
Pumped Down Plug, Plug Down @ 1³⁰ AM.
6½ 1³⁰ 8⁰⁰ Drain Pumps & Chng. Out Mud Tanks

MUD RECORD

TIME			
WEIGHT			
VISC.			
W.L.-C.C.			
FLTR. CK.			
PH			
SD. CONT.			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	RUN NO	
	SNGLS. DP	FT.	SIZE	
	D.C. ID		MFG	
	D.C. OD	FT	TYPE	
	RMR BODY OD	FT	NOZ. 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

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN

DEVIATION RECORD: DEPTH / DEV / DIRECTION / DEPTH / DEV / DIRECTION / DEPTH / DEV / DIRECTION

REMARKS
12 8⁰⁰ - 8⁰⁰ - W.O.C.
CLEAN MUD TANKS

MUD RECORD

TIME			
WEIGHT			
VISC.			
W.L.-C.C.			
FLTR. CK			
PH			
SD. CONT.			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

EVENING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	RUN NO	
	SNGLS. DP	FT	SIZE	
	D.C. ID		MFG	
	D.C. OD	FT	TYPE	
	RMR BODY OD	FT	NOZ. 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

HRS. DRLD	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M	WT ON BIT 1000#	PUMP PRESS	PUMP NO 1 LINER SIZE	PUMP NO 1 S.P.M	PUMP NO 2 LINER SIZE	PUMP NO 2 S.P.M	METHOD PUMPS RUN

DEVIATION RECORD: DEPTH / DEV / DIRECTION / DEPTH / DEV / DIRECTION / DEPTH / DEV / DIRECTION

REMARKS

MUD RECORD

TIME			
WEIGHT			
VISC.			
W.L.-C.C.			
FLTR. CK			
PH			
SD. CONT.			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT

C.P.—38 **DAILY DRILLING REPORT** REPORT NO. DATE MAR. 20/59

OPERATOR	LOCATION LSD. SEC. TWP. RGE. W.	WELL NAME	No.	PROVINCE
		SHELL HIARD RIVER	2	N.W.T.

CONTRACTOR	RIG NO.	DRILL PIPE STRING NO. SIZE	TOOL JOINT OD / TYPE TH	OPERATOR'S REPRESENTATIVE	CONTRACTOR'S TOOL PUSHER
Shell Oil Company			4 1/2 I.F.	C.D. Paulson	

PUMPS NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	NATIONAL	C-350	18"
2.	"	"	"
3.			

CASING & LINER RECORD	SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	PERFORATIONS FROM	PERFORATIONS TO	CEMENT USED	OTHER

TIME DISTRIBUTION—HOURS	MORN	DAY	EVE
DRILLING ACTUAL			
REAMING	7		
CIRCULATING	3/4	5 1/2	
TRIPS	1/2		
DEVIATION SURVEY			
TEST B.O.P.			
CUT OFF DRILL LINE			
REPAIR RIG		1/4	
CORING			
WIRE LINE LOGGING			
OTHER	3 3/4	1 1/4	
FISHING			
COMPLETING (A) PERFORATING			
(B) RUNNING TUBING			
(C) SWABBING			
(D) TESTING			
(E) ACIDIZING			
(F) ADDITIONAL			
TOTALS	12	12	

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.

MORNING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
9	STANDS DP	827.09 FT.	RUN NO.	21
2	SNGLS. DP	61.27 FT.	SIZE	17 1/4
	D.C. 2 7/8 ID		MFG.	REED
10	7" OD	314.57 FT.	TYPE	
1	RMR BODY OD	3.90 FT.	NOZ. NO.	
	STB BODY OD	FT.	SIZE	
1	SUBS OD	3.25 FT.	SER. NO.	
	BIT OR C.B.	FT.	DEPTH OUT	
		FT.	CUMULATIVE HOURS RUN	10 3/4
	KELLY DOWN	30.21 FT.	COND. OF BIT	
	TOTAL	1240.29 FT.	REAMER CUTTER NO.	
	WT. OF STRING	53,000 LBS.	TYPE	

DRILLER S. Silucho

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
7		1196	1240		140	20	300	6 1/2	74	6 1/2		
						25						

DEVIATION RECORD: DEPTH | DEV | DIRECTION | DEPTH | DEV | DIRECTION | DEPTH | DEV | DIRECTION

REMARKS

1/4 8:00-8:15 Rig Serv.
7 8:15-3:15 Reaming 12 1/4" to 17 1/4"
~~3/4 3:15-4:00 Pulled Out to Run Casing~~
~~3/2 4:00-8:00 Prepare to Run Casing & Running Same.~~
3/4 3:15-4:00 Circ. To Cond Hole For Casing
1/2 4:00-4:30 Pulled Out To Run Casing
3 1/2 4:30-8:00 Prepare To Run Casing & Running Same.

MUD RECORD			
TIME	1000	2:00	6:00
WEIGHT	10.6	10.6	
VISC.	225	210	
W.L.-C.C.	9.2	9.2	
FLTR. CK.	2/32	2/32	
PH	7.5	7.5	
SD. CONT.			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Water			

DAY 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	NOZ. NO.	
	STB BODY OD	FT	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

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN

DEVIATION RECORD: DEPTH | DEV | DIRECTION | DEPTH | DEV | DIRECTION | DEPTH | DEV | DIRECTION

REMARKS

1/4 8:00-8:15 - Serv Rig
6 8:15-2:15 - Run Csg
5 1/2 2:15-7:45 - Circulate Csg.
1/4 7:45-8:00 - Cement Csg.

MUD RECORD			
TIME	4:00		
WEIGHT	10.4		
VISC.	256		
W.L.-C.C.	10.4		
FLTR. CK	2/32		
PH	7.5		
SD. CONT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

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	NOZ. NO	
	STB BODY OD	FT	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

HRS. DRLD	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M	WT ON BIT 1000#	PUMP PRESS	PUMP NO 1 LINER SIZE	PUMP NO 1 S.P.M	PUMP NO 2 LINER SIZE	PUMP NO 2 S.P.M	METHOD PUMPS RUN

DEVIATION RECORD: DEPTH | DEV | DIRECTION | DEPTH | DEV | DIRECTION | DEPTH | DEV | DIRECTION

REMARKS

Ran 35 jts. (1209.57') 13 3/8" J55 Reg. 2 & 3
54.5#/ft & 61#/ft. new Smls. Stuart & Lloyds and 1 ea.
Casing w/ Larkin Guide Shoe & Float Collar. Cemented
@ 1279 w/ 530 sx Quick cement + 8% gel and
120 sx Quick cement + 2% Calcl2. Plug bumped
w/ 1500 psi. Rec. 48 bbls cement returns. Lsg.
@ 10:29 pm 3/21/59. C.D. Paulson

MUD RECORD			
TIME			
WEIGHT			
VISC.			
W.L.-C.C.			
FLTR. CK			
PH			
SD. CONT.			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Landed 1:28 am		3/21/59	

C.P.—38 **DAILY DRILLING REPORT** REPORT NO. DATE MARCH 19/59

OPERATOR	LOCATION LSD. SEC. TWP. RGE. W.	WELL NAME	No.	PROVINCE
		SHELL LIARD RIVER.		N.W.T.

CONTRACTOR	RIG NO.	DRILL PIPE STRING NO. SIZE	TOOL JOINT OD / TYPE THD
Shell Oil Company	2.		4½ IF

OPERATOR'S REPRESENTATIVE: C. D. Paulson. CONTRACTOR'S TOOL PUSHER:

PUMPS NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	NATIONAL	C-350	18"
2.	"	"	"
3.			

CASING & LINER RECORD	SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	PERFORATIONS FROM	PERFORATIONS TO	CEMENT USED	OTHER

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
DRILLING ACTUAL			
REAMING	8	14	8½
CIRCULATING			
TRIPS	3	12	3¾
DEVIATION SURVEY			
TEST B.O.P.			
CUT OFF DRILL LINE			
REPAIR RIG	S.R		¼
CORING			
WIRE LINE LOGGING			
OTHER	¼		
FISHING			
COMPLETING (A) PERFORATING			
(B) RUNNING TUBING			
(C) SWABBING			
(D) TESTING			
(E) ACIDIZING			
(F) ADDITIONAL			
TOTALS	12	12	12

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.

MORNING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
8	STANDS DP	903.24 FT.	RUN NO.	20
1	SNGLS. DP	60.28 FT.	SIZE	17¼
	D.C. 2 7/8 ID		MFG.	REED
10	7" OD	314.57 FT.	TYPE	
	RMR BODY OD	2.48 FT.	NOZ. NO.	
	STB BODY OD	FT.	SIZE	
1	SUBS 7" OD	3.25 FT.	SER. NO.	R-Run
	BIT OR C.B.	FT.	DEPTH OUT	
		FT.	CUMULATIVE HOURS RUN	8¼
	KELLY DOWN	24.20 FT.	COND. OF BIT	
	TOTAL	1134.22 FT.	REAMER CUTTER NO.	
WT. OF STRING		53,000 LBS.	TYPE	

DRILLER: S. Silnch

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
8¼		1086	1134		140	20 / 25	500	6½	70	6½		

DEVIATION RECORD: DEPTH | DEV | DIRECTION | DEPTH | DEV | DIRECTION | DEPTH | DEV | DIRECTION

REMARKS
1. 8:00-8:15 Rig Serv.
2. 8:15-10:30 Trip 12¼" Bit & Check. Some Fill, Iron
1½ 10:30-11:45 Picked up Reamers & Ran in w/ Same.
8¼ 11:45-8:00 Reaming 12¼ to 17¼

MUD RECORD			
TIME	100	400	700
WEIGHT	10.6	10.5	10.5
VISC.	230	220	210
W.L.-C.C.	9.6	9.4	9.4
FLTR. CK.	2/32	2/32	3/32
PH	8.0	8.0	8.0
SD. CONT.			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	1400#		
water			

DAY TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD		
9	STANDS DP	827.09 FT.	RUN NO	20	21
1	SNGLS. DP	30.77 FT.	SIZE	17¼	17¼
	D.C. 2 7/8 ID		MFG	REED	REED
10	7" OD	314.57 FT	TYPE		
1	RMR BODY OD	3.90 FT	NOZ. NO.		
	STB BODY OD	FT	SIZE		
1	SUBS OD	3.20 FT	SER. NO	R-Run	
	BIT OR C.B	FT	DEPTH OUT	1159	
		FT	CUMULATIVE HOURS RUN	13	3¾
	KELLY DOWN	17.00 FT	COND OF BIT	Dull	
	TOTAL	1196.53 FT	REAMER CUTTER NO.		
WT OF STRING		53,000 LBS.	TYPE		

DRILLER: F. R. Dawn

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
8½		1134	1196		130	25	450	2½	70	1½	Circ	

DEVIATION RECORD: DEPTH | DEV | DIRECTION | DEPTH | DEV | DIRECTION | DEPTH | DEV | DIRECTION

REMARKS
¼ 8:00-8:15 - Ser Rig
4¾ 8:15-1:00 - Reaming 12¼" - 17¼"
3¼ 1:00-4:15 - Trip for new Reamer & Ream 35' under gauge hole to bottom.
3¾ 4:15-8:00 - Reaming 12¼" - 17¼"

MUD RECORD			
TIME	10:00	100	600
WEIGHT	10.5	10.5	10.5
VISC.	220	210	200
W.L.-C.C.	9.0	9.0	9.0
FLTR. CK	3/32	3/32	3/32
PH	7.0	7.0	7.0
SD. CONT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

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	NOZ. NO
	STB BODY OD	FT	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

HRS. DRLD	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M	WT ON BIT 1000#	PUMP PRESS	PUMP NO 1 LINER SIZE	PUMP NO 1 S.P.M.	PUMP NO 2 LINER SIZE	PUMP NO 2 S.P.M.	METHOD PUMPS RUN

DEVIATION RECORD: DEPTH | DEV | DIRECTION | DEPTH | DEV | DIRECTION | DEPTH | DEV | DIRECTION

REMARKS

MUD RECORD			
TIME			
WEIGHT			
VISC.			
W.L.-C.C.			
FLTR. CK			
PH			
SD. CONT.			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT

C.P.—38 **DAILY DRILLING REPORT** REPORT NO. DATE MARCH 18/59

OPERATOR	LOCATION LSD. SEC. TWP. RGE. W.	WELL NAME	No.	PROVINCE
		SHELL LAKE RIVER	2	N.W.T.

CONTRACTOR	RIG NO.	DRILL PIPE STRING NO. SIZE	TOOL JOINT OD TYPE TH	OPERATOR'S REPRESENTATIVE	CONTRACTOR'S TOOL PUSHER
Shell Oil Company			4 1/2 I.F.	W. Paulson	

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	NATIONAL	C-350	18"
2.	"	"	"
3.			

CASING & LINER RECORD	SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	PERFORATIONS FROM	PERFORATIONS TO	CEMENT USED	OTHER

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
DRILLING ACTUAL			
REAMING			
CIRCULATING			
TRIPS			
DEVIATION SURVEY			
TEST B.O.P.			
CUT OFF DRILL LINE			
REPAIR RIG SCR	3/4	1/4	
CORING			
WIRE LINE LOGGING			
OTHER	1/4		
FISHING	11	11 3/4	
COMPLETING (A) PERFORATING			
(B) RUNNING TUBING			
(C) SWABBING			
(D) TESTING			
(E) ACIDIZING			
(E) ADDITIONAL			
TOTALS	12	12	

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.

MORNING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT	RUN NO.	
	SNGLS. DP	FT.	SIZE	
	D.C. ID		MFG.	
	D.C. OD	FT.	TYPE	
	RMR BODY OD	FT.	NOZ. 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 S. Silucki

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
		1086										

DEVIATION RECORD:	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION

REMARKS

1/4 8:00 8:15 Rig Serv.
3/4 8:15 9:00 Work on Table Torque
2 1/2 9:00 11:30 Trip. w/ Wash Over. Shoe.
1 3/4 11:30 1:15 Trip. w/ Magnet (Rec. 0)
3/4 1:15 2:00 Run in w/ Wash Over. Shoe
3 2:00 5:00 Mill & Wash Over Stub
1/2 5:00 5:30 Pulled Wash Over To Check Shoe
2 1/2 5:30 8:00 Trip Over Shot (Rec 12 1/4" Bit & Stub)

MUD RECORD

TIME			
WEIGHT			
VISC.			
W.L.-C.C.			
FLTR. CK.			
PH			
SD. CONT.			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GELL	55 sks		

DAY TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	RUN NO	
	SNGLS. DP	FT.	SIZE	
	D.C. ID		MFG	
	D.C. OD	FT	TYPE	
	RMR BODY OD	FT	NOZ. 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

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
		1086						6 1/2		6 1/2		

DEVIATION RECORD:	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION

REMARKS

1/2 8:00 - 8:15 - Ser Rig
7 8:15 - 3:15 - Made 3 Runs w/ Magnet & One Trip w/ 12 1/4" Cut out Bit.
1 3:15 - 4:15 - Pick up Mill Tool & Run in w/ Same.
1 1/4 4:15 - 5:30 - Milling out Iron.
1 5:30 - 6:30 - Pull Milling Tool Recovered Cone & Shank
1/2 6:30 - 7:00 - Run in w/ Magnet
1 7:00 - 8:00 - Work Magnet & Pull Same

MUD RECORD

TIME	6:00		
WEIGHT	10.4		
VISC.	220		
W.L.-C.C.	9.0		
FLTR. CK	3/32		
PH	8.0		
SD. CONT.			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GELL	2200		

EVENING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	RUN NO	
	SNGLS DP	FT	SIZE	
	D.C ID		MFG	
	D.C OD	FT	TYPE	
	RMR BODY OD	FT	NOZ. 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

HRS. DRLD	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M	WT ON BIT 1000#	PUMP PRESS	PUMP NO 1 LINER SIZE	PUMP NO 1 S.P.M	PUMP NO 2 LINER SIZE	PUMP NO 2 S.P.M	METHOD PUMPS RUN

DEVIATION RECORD	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION

REMARKS

MUD RECORD

TIME			
WEIGHT			
VISC.			
W.L.-C.C.			
FLTR. CK			
PH			
SD. CONT.			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

C.P.—38 **DAILY DRILLING REPORT** REPORT NO. DATE MAR 17/59

OPERATOR	LOCATION LSD. SEC. TWP. RGE. W.	WELL NAME SHELL HARD RIVER.	No.	PROVINCE ALTA.

CONTRACTOR	RIG NO.	DRILL PIPE STRING NO. SIZE	TOOL JOINT OD / TYPE THD
Shell Oil Company			

OPERATOR'S REPRESENTATIVE: C. Paulsen

CONTRACTOR'S TOOL PUSHER:

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	NATIONAL	C-350	18"
2.	"	"	"
3.			

CASING & LINER RECORD	SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	PERFORATIONS FROM	PERFORATIONS TO	CEMENT USED	OTHER

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	12	2	
FISHING		10	
COMPLETING (A) PERFORATING			
(B) RUNNING TUBING			
(C) SWABBING			
(D) TESTING			
(E) ACIDIZING			
(F) ADDITIONAL			
TOTALS	12	12	

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.

MORNING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	RUN NO.	
	SNGLS. DP	FT.	SIZE	
	D.C. ID / OD	FT.	MFG. / TYPE	
	RMR BODY OD	FT.	NOZ. 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: S. Sitnicki

HRS. DR.LD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
		1086										

DEVIATION RECORD:	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION

REMARKS

12 8⁰⁰-8⁰⁰ WAIT ON FISHING TOOLS.

WORK ON DRAW WORKS

MUD RECORD

TIME			
WEIGHT			
VISC.			
W.L.-C.C.			
FLTR. CK.			
PH			
SD. CONT.			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	RUN NO	
	SNGLS. DP	FT.	SIZE	
	D.C. ID / OD	FT.	MFG / TYPE	
	RMR BODY OD	FT.	NOZ. 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

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
								6½		6½		

DEVIATION RECORD:	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION

REMARKS

2 8⁰⁰-10⁰⁰ - WAIT ON FISHING TOOLS.

10 10⁰⁰-8⁰⁰ - MADE THREE RUN W/MAGNET AND ONE RUN W/CUTOUT 12¼" BIT.

Rec. cone & shank in first run w/ mag. no rec. on other runs.

MUD RECORD

TIME			
WEIGHT			
VISC.			
W.L.-C.C.			
FLTR. CK			
PH			
SD. CONT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

EVENING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	RUN NO	
	SNGLS. DP	FT	SIZE	
	D.C. ID / OD	FT	MFG / TYPE	
	RMR BODY OD	FT	NOZ. 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

HRS. DRLD	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M	WT ON BIT 1000#	PUMP PRESS	PUMP NO 1 LINER SIZE	PUMP NO 1 S.P.M	PUMP NO 2 LINER SIZE	PUMP NO 2 S.P.M	METHOD PUMPS RUN

DEVIATION RECORD-	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION

REMARKS

MUD RECORD

TIME			
WEIGHT			
VISC.			
W.L.-C.C.			
FLTR. CK			
PH			
SD. CONT.			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT

C.P.—38 **DAILY DRILLING REPORT** REPORT NO. DATE MARCH 16/59

OPERATOR	LOCATION LSD. SEC. TWP. RGE. W.	WELL NAME	No.	PROVINCE
		SHELL LIARD RIVER		N.W.T.

CONTRACTOR	RIG NO.	DRILL PIPE STRING NO. SIZE	TOOL JOINT OD / TYPE THD
Shell Oil Company	2		4½ I.F.

OPERATOR'S REPRESENTATIVE: T. Dickinson

CONTRACTOR'S TOOL PUSHER:

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	NATIONAL	C-320	18
2.	"	"	"
3.			

CASING & LINER RECORD	SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	PERFORATIONS FROM	PERFORATIONS TO	CEMENT USED	OTHER

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
DRILLING ACTUAL			
REAMING	7½	17¼	
CIRCULATING			
TRIPS	3½	8½	
DEVIATION SURVEY			
TEST B.O.P.			
CUT OFF DRILL LINE			
REPAIR RIG		1¾	
CORING			
WIRE LINE LOGGING			
OTHER	1		
FISHING			
COMPLETING (A) PERFORATING			
(B) RUNNING TUBING			
(C) SWABBING			
(D) TESTING			
(E) ACIDIZING			
(F) ADDITIONAL			
TOTALS	12	12	

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.

MORNING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
7	STANDS DP	635.06 FT.	RUN NO.	19
	SNGLS. DP	61.50 FT.	SIZE	17¼
	D.C. 2⅞ ID		MFG.	REED
10	7" OD	314.57 FT.	TYPE	B REAMER
	RMR BODY OD	2.48 FT.	NOZ. NO.	
	STB BODY OD	FT.	SIZE	
1	SUBS 7" OD	3.25 FT.	SER. NO.	
	BIT OR C.B.	FT.	DEPTH OUT	
		FT.	CUMULATIVE HOURS RUN	7½
	KELLY DOWN	41.20 FT.	COND. OF BIT	
	TOTAL	1066.06 FT.	REAMER CUTTER NO.	
WT. OF STRING	52,000	LBS.	TYPE	

DRILLER: S. Silinski

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
		990	1066		180	20	575	6½	74	6½	[illegible]	

DEVIATION RECORD: DEPTH / DEV / DIRECTION / DEPTH / DEV / DIRECTION / DEPTH / DEV / DIRECTION

REMARKS

¼ 8:00 8:15 Rig Serv.
¾ 8:15 9:00 Broke down magnet, picked up reamer. Made up same & well on pilot bit.
3½ 9:00 12:30 Ran in w/ reamer, cleaned tight hole from 600' to 750'.
7½ 12:30 8:00 Reaming 12¼" to 17¼"

MUD RECORD

TIME	12:00	3:00	7:00
WEIGHT			10.6
VISC.			145
W.L.-C.C.	Built Volume		9.0
FLTR. CK.			2/32
PH			8.0
SD. CONT.			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gelo	2500#		
Water			

DAY TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	RUN NO	19
	SNGLS. DP	FT.	SIZE	17¼
	D.C. ID		MFG	REED
	OD	FT	TYPE	B. REAMER
	RMR BODY OD	FT	NOZ. NO.	
	STB BODY OD	FT	SIZE	
	SUBS OD	FT	SER. NO	
	BIT OR C.B	FT	DEPTH OUT	1086
		FT	CUMULATIVE HOURS RUN	9¼
	KELLY DOWN	FT	COND. OF BIT	
	TOTAL	FT	REAMER CUTTER NO.	
WT. OF STRING		LBS.	TYPE	

DRILLER: F. Robinson

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M	WT ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
1¾		1066	1086		180	20	450	6½	74	6½	circ.	

DEVIATION RECORD: DEPTH / DEV / DIRECTION / DEPTH / DEV / DIRECTION / DEPTH / DEV / DIRECTION

REMARKS

1 8:00 - 9:00 - Work on airlines & service rig
1½ 9:00 - 10:30 - Trip
1¾ 10:30 - 12:15 - Reaming 12¼" - 17¼"
¾ 12:15 - 1:00 - Work on rotary clutch.
7 1:00 - 8:00 - Pull out (lost 12¼" bit & 2 cones off reamer)
Trip w/ magnet.

MUD RECORD

TIME	12:00		
WEIGHT	10.6		
VISC.	260		
W.L.-C.C.	9.0		
FLTR. CK	2/32		
PH	8.0		
SD. CONT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

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	NOZ. NO	
	STB BODY OD	FT	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

HRS. DRLD	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M	WT ON BIT 1000#	PUMP PRESS	PUMP NO 1 LINER SIZE	PUMP NO 1 S P M	PUMP NO 2 LINER SIZE	PUMP NO 2 S.P.M	METHOD PUMPS RUN

DEVIATION RECORD: DEPTH / DEV / DIRECTION / DEPTH / DEV / DIRECTION / DEPTH / DEV / DIRECTION

REMARKS

MUD RECORD

TIME			
WEIGHT			
VISC.			
W.L.-C.C.			
FLTR. CK			
PH			
SD. CONT.			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT

C.P.—38 **DAILY DRILLING REPORT** REPORT NO. DATE March 15/59

OPERATOR	LOCATION LSD. SEC. TWP. RGE. W.	WELL NAME Shell Linked River	No.	PROVINCE N.W.T.

CONTRACTOR	RIG NO.	DRILL PIPE STRING NO. SIZE	TOOL JOINT OD / TYPE THD 4½ L.F.
Shell Oil Company	2		

OPERATOR'S REPRESENTATIVE: [illegible] CONTRACTOR'S TOOL PUSHER:

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	National	C-350	18"
2.	"	"	"
3.			

CASING & LINER RECORD	SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	PERFORATIONS FROM	PERFORATIONS TO	CEMENT USED	OTHER

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
DRILLING ACTUAL			
REAMING			
CIRCULATING			
TRIPS			
DEVIATION SURVEY			
TEST B.O.P.			
CUT OFF DRILL LINE			
REPAIR RIG		1/4	
CORING			
WIRE LINE LOGGING			
~~DRILLER~~	1/4		
FISHING	1 3/4	11 3/4	
COMPLETING (A) PERFORATING			
(B) RUNNING TUBING			
(C) SWABBING			
(D) TESTING			
(E) ACIDIZING			
(F) ADDITIONAL	—		
TOTALS	12	12	

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 1/4
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.

MORNING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT	RUN NO.	
	SNGLS. DP	FT.	SIZE	
	D.C. ID / OD	FT.	MFG. / TYPE	
	RMR BODY OD	FT.	NOZ. 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: S. Silucha

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
		970	970					6½		6½		

DEVIATION RECORD: DEPTH / DEV / DIRECTION / DEPTH / DEV / DIRECTION / DEPTH / DEV / DIRECTION

REMARKS

1/4 8:00 8:15 Rig Serv.
1 1/4 8:15 9:30 Finished Closing To Btm w/ 12 1/4" Bit.
6 9:30 3:30 Trip. Twice w/ Magnet. (Recovered) 15 Cone Bearings.
3 1/4 3:30 6:45 Trip 12 1/4" Bit Closed To Btm. w/ Same.
1 1/4 6:45 8:00 Ran in w/ Magnet Circ. + Work. Same.

MUD RECORD

TIME			
WEIGHT			
VISC.			
W.L.-C.C.			
FLTR. CK.			
PH			
SD. CONT.			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	RUN NO	
	SNGLS. DP	FT.	SIZE	
	D.C. ID / OD	FT	MFG / TYPE	
	RMR BODY OD	FT	NOZ. 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: F. Rodrigues

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
			970					6½		6½		

DEVIATION RECORD: DEPTH / DEV / DIRECTION / DEPTH / DEV / DIRECTION / DEPTH / DEV / DIRECTION

REMARKS

1/4 8:00-8:15 - Ser Rig.
8:15-9:00 - Fishing ~~Rotary Side~~
Made 3 Trips w/ Side Door Junk Basket.
2 Trips w/ Magnet.
(Rec. One Cone + Bearings)

MUD RECORD

TIME			
WEIGHT			
VISC.			
W.L.-C.C.			
FLTR. CK			
PH			
SD. CONT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

EVENING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	RUN NO	
	SNGLS. DP	FT	SIZE	
	D.C ID / OD	FT	MFG / TYPE	
	RMR BODY OD	FT	NOZ. 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

HRS. DRLD	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M	WT ON BIT 1000#	PUMP PRESS	PUMP NO 1 LINER SIZE	PUMP NO 1 S.P.M	PUMP NO 2 LINER SIZE	PUMP NO 2 S.P.M	METHOD PUMPS RUN

DEVIATION RECORD: DEPTH / DEV / DIRECTION / DEPTH / DEV / DIRECTION / DEPTH / DEV / DIRECTION

REMARKS

MUD RECORD

TIME			
WEIGHT			
VISC.			
W.L.-C.C.			
FLTR. CK			
PH			
SD. CONT.			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT

C.P.—38 **DAILY DRILLING REPORT** REPORT NO. DATE MARCH 14/59

OPERATOR	LOCATION LSD. SEC. TWP. RGE. W.	WELL NAME	No.	PROVINCE
		SHELL LIARD RIVER.		N.W.T.

CONTRACTOR	RIG NO.	DRILL PIPE STRING NO. SIZE	TOOL JOINT OD / TYPE THD
Shell Oil Company	2		4½ IF

OPERATOR'S REPRESENTATIVE: [illegible] CONTRACTOR'S TOOL PUSHER:

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	NATIONAL	C-350	18"
2.	"	"	"
3.			

CASING & LINER RECORD	SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	PERFORATIONS FROM	PERFORATIONS TO	CEMENT USED	OTHER

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
DRILLING ACTUAL			
REAMING	7¾	3¼	
CIRCULATING			
TRIPS	2¾	7¼	
DEVIATION SURVEY			
TEST B.O.P.			
CUT OFF DRILL LINE			
REPAIR RIG SER	1¼	1	
CORING			
WIRE LINE LOGGING			
OTHER	¼		
FISHING			
COMPLETING (A) PERFORATING			
(B) RUNNING TUBING			
(C) SWABBING			
(D) TESTING			
(E) ACIDIZING			
(F) ADDITIONAL			
TOTALS	12	15	

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.

MORNING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD		
6	STANDS DP	554.58 FT	RUN NO.	16	17
1	SNGLS. DP	30.75 FT.	SIZE	17¼	17¼
	2 7/8 D.C. ID		MFG.	REED	SEC
10	7" OD	314.57 FT.	TYPE	B. REAMER	
	RMR BODY OD	3.75 FT.	NOZ. NO.		
	STB BODY OD	FT.	SIZE		
2	SUBS OD	5.54 FT.	SER. NO.		
	BIT OR C.B.	FT.	DEPTH OUT		
		FT.	CUMULATIVE HOURS RUN	14	¼
	KELLY DOWN	32.20 FT.	COND. OF BIT	FAIR	
	TOTAL	931.16 FT.	REAMER CUTTER NO.		
WT. OF STRING	50,000 LBS.		TYPE		

DRILLER: S. Silnch

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
7¾		817	931		180	20	650	6½	74	6½	[illegible]	

DEVIATION RECORD:	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION

REMARKS

¼ 8⁰⁰ 8¹⁵ Rig Serv
1¼ 8¹⁵ 9³⁰ Changed Oil in Drive Compound Flushed Same, & Unplugged Oil Pump Screens.
7½ 9³⁰ 5⁰⁰ Reaming 12¼" to 17¼"
2¾ 5⁰⁰ 7⁴⁵ Trip for Reamer.
¼ 7⁴⁵ 8⁰⁰ Reaming 12¼" to 17¼"

MUD RECORD

TIME	10⁰⁰	8⁰⁰	6⁰⁰
WEIGHT	10.3	10.4	10.4
VISC.	180	185	185
W.L.-C.C.	9.8	9.8	9.8
FLTR. CK.	2/32	2/32	2/32
PH	8.0	8.0	8.0
SD. CONT.			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD		
7	STANDS DP	569.89 FT.	RUN NO	17	
	SNGLS. DP	FT.	SIZE	17¼	
	2 7/8 D.C. ID		MFG	SEC	
10	7" OD	314.57 FT	TYPE	REAMER	
1	RMR BODY OD	3.75 FT	NOZ. NO.		
	STB BODY OD	FT	SIZE		
2	SUBS OD	6.5 FT.	SER. NO		
	BIT OR C.B	FT	DEPTH OUT	969	
		FT	CUMULATIVE HOURS RUN	4	
	KELLY DOWN	28:00 FT	COND OF BIT	LOST 2 CONES	
	TOTAL	969:70 FT	REAMER CUTTER NO.		
WT OF STRING	50,000 LBS.		TYPE		

DRILLER: F. Reimer

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
3¾		931	969		180	20	600	6½	76	6½	circ.	

DEVIATION RECORD:	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION

REMARKS

¼ 8⁰⁰ - 8¹⁵ - Ser Rig.
¾ 8¹⁵ - 10¹⁵ - Reaming 12¼" - 17¼".
¾ 10¹⁵ - 11⁴⁰ - Repair Rotary Chain.
1¾ 11⁴⁰ - 12¹⁵ - Reaming 12¼" - 17¼".
7¼ 12¹⁵ - 8⁰⁰ - Trip Reamer Lost 2 cones. Trip w/ Magnet Runin w/ 12¼" Bit & Reaming 80' To Bottom.

MUD RECORD

TIME	10.00	12.00	
WEIGHT	10.4	10.4	
VISC.	200	200	
W.L.-C.C.	9.8	9.8	
FLTR. CK	2/32	2/32	
PH	8.0	8.0	
SD. CONT.			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

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	NOZ. NO		
	STB BODY OD	FT	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

HRS. DRLD	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M	WT ON BIT 1000#	PUMP PRESS	PUMP NO 1 LINER SIZE	PUMP NO 1 S.P.M	PUMP NO 2 LINER SIZE	PUMP NO 2 S.P.M	METHOD PUMPS RUN

DEVIATION RECORD:	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION

REMARKS

MUD RECORD

TIME			
WEIGHT			
VISC.			
W.L.-C.C.			
FLTR. CK			
PH			
SD. CONT.			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

C.P.—38 **DAILY DRILLING REPORT** REPORT NO. DATE MARCH 12-59

OPERATOR	LOCATION LSD. SEC. TWP. RGE. W.	WELL NAME	No.	PROVINCE
		HIARD RIVER	2	N.W.T.

CONTRACTOR	RIG NO.	DRILL PIPE STRING NO. SIZE	TOOL JOINT OD / TYPE THD
Shell Oil Company	2		4½ F-H

OPERATOR'S REPRESENTATIVE: [illegible]

CONTRACTOR'S TOOL PUSHER:

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	NATIONAL	C-350	18
2.	"	"	"
3.			

CASING & LINER RECORD	SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	PERFORATIONS FROM	PERFORATIONS TO	CEMENT USED	OTHER

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
DRILLING ACTUAL			
REAMING	11½		
CIRCULATING			
TRIPS		1	
DEVIATION SURVEY			
TEST B.O.P.			
CUT OFF DRILL LINE			
REPAIR RIG Ser		¼	
CORING			
WIRE LINE LOGGING			
OTHER	½	10¾	
FISHING			
COMPLETING (A) PERFORATING			
(B) RUNNING TUBING			
(C) SWABBING			
(D) TESTING			
(E) ACIDIZING			
(F) ADDITIONAL			
TOTALS	12	12	

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: 8 SIZE: 1¼

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.

MORNING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
4	STANDS DP	366:29 FT.	RUN NO.	2
	SNGLS. DP	FT.	SIZE	17¼
	D.C. ID		MFG.	
10	D.C. OD	314:57 FT.	TYPE	Sec
1	RMR BODY OD	3:75 FT	NOZ. NO.	
	STB BODY OD	FT.	NOZ. SIZE	
2	SUBS OD	5:54 FT.	SER. NO.	X3612
1	BIT OR C.B.	.70 FT.	DEPTH OUT	
		FT.	CUMULATIVE HOURS RUN	20
	KELLY DOWN	41:20 FT.	COND. OF BIT	
	TOTAL	732:00 FT.	REAMER CUTTER NO.	
WT. OF STRING	47000 LBS.		TYPE	13

DRILLER: E. J. Casson

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
20		639	732		180	20000	350	6½		6½		

DEVIATION RECORD: DEPTH / DEV / DIRECTION / DEPTH / DEV / DIRECTION / DEPTH / DEV / DIRECTION

REMARKS

½ 8⁰⁰ - 8³⁰ Rig Ser Work on Air Leak

11½ 8³⁰ 8⁰⁰ Reaming 12¼ To 17¼"

MUD RECORD

TIME	WEIGHT	VISC.	W.L.-C.C.	FLTR. CK.	PH	SD. CONT.
9⁰⁰	9:9	175	10:4	3/32	7:5	
12⁰⁰	10:2	180	12	3/32	7:5	
6⁰⁰	10:2	175	14:4	3/32	7:5	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
4	STANDS DP	366:29 FT.	RUN NO	2
	SNGLS. DP	FT.	SIZE	17¼
	D.C. ID		MFG	
10	D.C. OD	314:57 FT	TYPE	Sec
1	RMR BODY OD	3:75 FT	NOZ. NO.	
	STB BODY OD	FT	NOZ. SIZE	
2	SUBS OD	5:54 FT	SER. NO	X3612
1	BIT OR C.B	.70 FT	DEPTH OUT	
		FT	CUMULATIVE HOURS RUN	20
	KELLY DOWN	41:20 FT	COND OF BIT	
	TOTAL	732:00 FT	REAMER CUTTER NO.	
WT OF STRING	47000 LBS.		TYPE	

DRILLER: E. J. Casson

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
20		639	732		180	20000	350	6½		6½		

DEVIATION RECORD: DEPTH / DEV / DIRECTION / DEPTH / DEV / DIRECTION / DEPTH / DEV / DIRECTION

REMARKS

1 8⁰⁰ - 9⁰⁰ - Pull out

¼ 9⁰⁰ - 9¹⁵ - Rig Ser

10¾ 9¹⁵ - 8⁰⁰ - Walton Reamer & Clean Mud Tank.

MUD RECORD

TIME	WEIGHT	VISC.	W.L.-C.C.	FLTR. CK	PH	SD. CONT

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	500#		

EVENING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	RUN NO	
	SNGLS. DP	FT	SIZE	
	D.C. ID		MFG	
	D.C. OD	FT	TYPE	
	PMR BODY OD	FT	NOZ 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

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M	WT ON BIT 1000#	PUMP PRESS	PUMP NO 1 LINER SIZE	PUMP NO 1 S P M	PUMP NO 2 LINER SIZE	PUMP NO 2 S.P.M	METHOD PUMPS RUN

DEVIATION RECORD: DEPTH / DEV / DIRECTION / DEPTH / DEV / DIRECTION / DEPTH / DEV / DIRECTION

REMARKS

MUD RECORD

TIME	WEIGHT	VISC.	W.L.-C.C.	FLTR. CK	PH	SD. CONT.

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT

DAILY DRILLING REPORT

REPORT NO. | DATE Mar 13/59

LOCATION LSD. SEC. TWP. RGE. W. | WELL NAME Shell Hiard River | No. | PROVINCE N.W.T.

CONTRACTOR: **Shell Oil Company** | RIG NO. 2 | DRILL PIPE STRING NO. SIZE | TOOL JOINT OD | TYPE THD 4½ I.F.

OPERATOR'S REPRESENTATIVE: O. Carlson | CONTRACTOR'S TOOL PUSHER

PUMPS NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	National	7-350	18
2.	"	"	"
3.			

CASING & LINER RECORD	SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	PERFORATIONS FROM	PERFORATIONS TO	CEMENT USED	OTHER

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
DRILLING ACTUAL			
REAMING		16½	
CIRCULATING	4½	1	
TRIPS	4	3¼	
DEVIATION SURVEY			
TEST B.O.P.			
CUT OFF DRILL LINE			
REPAIR RIG & SCK		1¼	
CORING			
WIRE LINE LOGGING			
OTHER	3½		
FISHING			
COMPLETING (A) PERFORATING			
(B) RUNNING TUBING			
(C) SWABBING			
(D) TESTING			
(E) ACIDIZING			
(F) ADDITIONAL			
TOTALS	12	12	

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 8 SIZE 1¼

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.

MORNING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
9	STANDS DP	826.17 FT	RUN NO.	
2	SNGLS. DP	61.55 FT	SIZE	
	D.C. 2⅞ ID		MFG.	
10	7" OD	314.57 FT	TYPE	
	RMR BODY OD	FT	NOZ. NO.	
	STB BODY OD	FT	SIZE	
1	SUBS OD	3.07 FT	SER. NO.	
	BIT OR C.B.	.60 FT	DEPTH OUT	
		FT	CUMULATIVE HOURS RUN	
	KELLY DOWN	34.20 FT	COND. OF BIT	
	TOTAL	1240.36 FT	REAMER CUTTER NO.	
	WT. OF STRING	52,000 LBS.	TYPE	

DRILLER: S. Silnick

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
							600	6½	70	6½	[illegible]	

DEVIATION RECORD: DEPTH | DEV | DIRECTION | DEPTH | DEV | DIRECTION | DEPTH | DEV | DIRECTION

REMARKS

1/4	8⁰⁰	8¹⁵	Rig Serv.
3¼	8¹⁵	11³⁰	Cond. Mud w/ Gel.
4	11³⁰	3³⁰	Ran in w/ 9" Bit Cleaned To Btm. (1240) 18'0'
4½	3³⁰	8⁰⁰	Circ on Btm. Cond Mud

W.O. New Reamer

MUD RECORD			
TIME			7:00
WEIGHT			10.1
VISC.	Built Volume		155
W.L.-C.C.			10.8
FLTR. CK.			2/32
PH			8.0
SD. CONT.			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gelo	2400#		
Caustic	100#		
Quebracho	100#		
Lignosol	5#		

DAY TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
5	STANDS DP	458.57 FT	RUN NO	16
	SNGLS. DP	FT	SIZE	17¼
	D.C. 2⅞ ID		MFG	Reed
10	7" OD	314.57 FT	TYPE	Reamer
1	RMR BODY OD	2.48 FT	NOZ. NO.	
	STB BODY OD	FT	SIZE	
3	SUBS OD	5.54 FT	SER. NO	
	BIT OR C.B	FT	DEPTH OUT	
		FT	CUMULATIVE HOURS RUN	6½
	KELLY DOWN	41.20 FT	COND OF BIT	
	TOTAL	817.56 FT	REAMER CUTTER NO.	
	WT OF STRING	48000 LBS.	TYPE	

DRILLER: L. Bowman

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
6½		732	817		180	20	500	6½	76	6½	64	

DEVIATION RECORD: DEPTH | DEV | DIRECTION | DEPTH | DEV | DIRECTION | DEPTH | DEV | DIRECTION

REMARKS

1/4	8⁰⁰-8¹⁵	Ser Rig
1/4	8¹⁵-9¹⁵	Circ & Wait on New Reamer
1¼	9¹⁵-10³⁰	Pull out
2	10³⁰-12³⁰	Put on New Reamer & Run in
4½	12³⁰-5⁰⁰	Reaming 12¼" To 17¼"
1	5⁰⁰-6⁰⁰	Work on Air compressor
2	6⁰⁰-8⁰⁰	Reaming 12¼"-17¼"

MUD RECORD			
TIME	200	500	700
WEIGHT	10.3	10.3	10.3
VISC.	100	170	170
W.L.-C.C.	10.0	10.0	10.0
FLTR. CK	2/32	2/32	2/32
PH	8.0	8.0	8.0
SD. CONT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GELL	32		
WATER			

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	NOZ. NO	
	STB BODY OD	FT	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

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M	WT ON BIT 1000#	PUMP PRESS	PUMP NO 1 LINER SIZE	PUMP NO 1 S.P.M	PUMP NO 2 LINER SIZE	PUMP NO 2 S.P.M	METHOD PUMPS RUN

DEVIATION RECORD: DEPTH | DEV | DIRECTION | DEPTH | DEV | DIRECTION | DEPTH | DEV | DIRECTION

REMARKS

MUD RECORD			
TIME			
WEIGHT			
VISC.			
W.L.-C.C.			
FLTR. CK			
PH			
SD. CONT.			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

C.P.—38

DAILY DRILLING REPORT

REPORT NO. | DATE MAY 11 1957

OPERATOR	LOCATION LSD. SEC. TWP. RGE. W.	WELL NAME	No.	PROVINCE
		LIARD RIVER	#2.	NWT

CONTRACTOR	RIG NO.	DRILL PIPE STRING NO. SIZE	TOOL JOINT OD / TYPE THD
Shell Oil Company			4½ IF

OPERATOR'S REPRESENTATIVE: C.D. Paulson.

CONTRACTOR'S TOOL PUSHER:

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	NATIONAL	C 350	18
2.	NATIONAL	C 350	18
3.			

CASING & LINER RECORD

SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	PERFORATIONS FROM	PERFORATIONS TO	CEMENT USED	OTHER

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
DRILLING ACTUAL			
REAMING	7½	9½	
CIRCULATING			
TRIPS	¾	2¼	
DEVIATION SURVEY			
TEST B.O.P.			
CUT OFF DRILL LINE			
REPAIR RIG			
CORING			
WIRE LINE LOGGING			
OTHER	3¾	¼	
FISHING			
COMPLETING (A) PERFORATING			
(B) RUNNING TUBING			
(C) SWABBING			
(D) TESTING			
(E) ACIDIZING			
(F) ADDITIONAL			
TOTALS	12	12	

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 8 SIZE 1/4

FEET SLIPPED 4

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.

MORNING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
1	STANDS DP	9210 FT	RUN NO.	16
	SNGLS. DP	FT.	SIZE	17¼
	D.C. ID		MFG.	
	10 OD	314.57 FT.	TYPE	
1	RMR BODY OD	3.75 FT.	NOZ. NO.	
	STB BODY OD	FT.	SIZE	
2	SUBS OD	5.54 FT.	SER. NO.	
	BIT OR C.B.	.70 FT.	DEPTH OUT	
		FT.	CUMULATIVE HOURS RUN	13½
	KELLY DOWN	41.20 FT.	COND. OF BIT	
	TOTAL	4578.46 FT.	REAMER CUTTER NO.	X3612
WT. OF STRING		LBS.	TYPE	Sec B. 17¼

DRILLER: C.D. Paulson

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
7½		405	457	Reaming Rat hole	140	14-20	350	6½	74	6½	70	

DEVIATION RECORD:

DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION

REMARKS

7	8:00 - 8:15	Rig Serv
¾	8:15 - 9:00	Run in w/ 17¼ Reamer.
4½	9:00 - 1:30	Reaming Rat hole 405 to 457
3½	1:30 - 5:00	Serious gauge on #1 Pump. Fluid Torque Drive. Pipe Stuck, working to free same
3	5:00 - 8:00	Reaming (#2 Pump)

MUD RECORD

TIME	10:00	2:00	6:00
WEIGHT	9.6	9.6	9.7
VISC.	170	165	165
W.L.-C.C.	9.6	9.6	9.6
FLTR. CK.	2/32	2/32	2/32
PH	4	4	4
SD. CONT.			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Bel	500		
Lignosol	2 lbs.		

DAY 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	NOZ. NO.	
	STB BODY OD	FT	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

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN

DEVIATION RECORD:

DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION

REMARKS

MUD RECORD

TIME			
WEIGHT			
VISC.			
W.L.-C.C.			
FLTR. CK			
PH			
SD. CONT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

EVENING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD		
3	STANDS DP	273.10 FT.	RUN NO	15	2
	SNGLS. DP	FT	SIZE	17¼ ✓	
	D.C. 2 7/8 ID		MFG	SEC. ✓	
10	7" OD	314.57 FT	TYPE		
1	RMR BODY OD	3.75 FT	NOZ. NO		
	STB BODY OD	FT	SIZE		
2	SUBS OD	5.54 FT	SER NO	X3612 ✓	
1	BIT OR C.B	.70 FT	DEPTH OUT		
		FT	CUMULATIVE HOURS RUN	14½	8½
	KELLY DOWN	41.20 FT.	COND. OF BIT		
	TOTAL	639.66 FT	REAMER CUTTER NO.		
WT OF STRING		46,000 LBS.	TYPE	B 17¼ ✓	

DRILLER: S. Silnek

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M	WT ON BIT 1000#	PUMP PRESS	PUMP NO 1 LINER SIZE	PUMP NO 1 S.P.M	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M	METHOD PUMPS RUN
		457	639		140	20	350	6½		6½	68	
					180	15						

DEVIATION RECORD:

DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION

REMARKS

1/4	8:00 - 8:15	Rig Serv.
1	8:15 - 9:15	Reaming 12¼ to 17"
2¼	9:15 - 11:30	Trip + Installed New Reamer Cutters
8½	11:30 - 8:00	Reaming 12¼" to 17¼

MUD RECORD

TIME	10:00	2:00	6:00
WEIGHT	9.7	9.7	9.7
VISC.	170	173	175
W.L.-C.C.	9.4	9.6	9.6
FLTR. CK	2/32	2/32	2/32
PH	8.0	8.0	8.0
SD. CONT.			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT

C.P.—38

DAILY DRILLING REPORT

REPORT NO. 13 DATE MAR 10th 1959

OPERATOR	LOCATION LSD. SEC. TWP. RGE. W.	WELL NAME	No.	PROVINCE
		LIARD RIVER	2	NWT

CONTRACTOR	RIG NO.	DRILL PIPE STRING NO. SIZE	TOOL JOINT OD / TYPE THD	OPERATOR'S REPRESENTATIVE	CONTRACTOR'S TOOL PUSHER
Shell Oil Company	2.		4½ IF	C.D. Paulson.	

PUMPS NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	NATIONAL	C350	18"
2.	NATIONAL	C350	18"
3.			

CASING & LINER RECORD	SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	PERFORATIONS FROM	PERFORATIONS TO	CEMENT USED	OTHER

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
DRILLING ACTUAL			
REAMING	6		
CIRCULATING			
TRIPS	1		
DEVIATION SURVEY			
TEST B.O.P.			
CUT OFF DRILL LINE			
REPAIR RIG			
CORING			
WIRE LINE LOGGING			
OTHER	5	12	
FISHING			
COMPLETING (A) PERFORATING			
(B) RUNNING TUBING			
(C) SWABBING			
(D) TESTING			
(E) ACIDIZING			
(F) ADDITIONAL			
TOTALS	12	12	

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 9 SIZE 1 1/4

FEET SLIPPED 4

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.

MORNING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT	RUN NO.	14
2	SNGLS. DP	62.92 FT.	SIZE	12¼
	D.C. ID		MFG.	B C
10	D.C. OD	314.57 FT.	TYPE	FMI
1	RMR BODY OD	32.75 FT.	NO	
	STB BODY OD	FT.	NOZ. SIZE	
2.	SUBS OD	5.54 FT.	SER. NO.	
	BIT OR C.B.	FT.	DEPTH OUT	405'
		FT.	CUMULATIVE HOURS RUN	6
	KELLY DOWN	21.20 FT.	COND. OF BIT	
	TOTAL	405.98 FT.	REAMER CUTTER NO.	3612
WT. OF STRING		LBS.	TYPE	Sec B.

DRILLER S. Carson

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
6		0	405'	REAMING 12¼ TO 17"	150	3.000	[illegible]	6½	47	6½		

DEVIATION RECORD:

DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION

REMARKS

1/4	800 - 815	Rig Ser
1/4	815 - 830	Make up Reamer onto Kelly
6	830 - 230	Reaming 12 - To 17"
3/4	230 - 315	Swivel Ceased up work on Same
1	315 - 415	Trip out To check swivel
1 3/4	415 - 600	Take swivel apart.
2.	600 - 800.	Wait on Repairs

MUD RECORD

TIME	10.00		
WEIGHT	9.6		
VISC.	195		
W.L.-C.C.	9.4		
FLTR. CK.	2/32		
PH	8		
SD. CONT.			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	RUN NO	
	SNGLS. DP	FT.	SIZE	
	D.C. ID		MFG	
	D.C. 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

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M	WT ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN

DEVIATION RECORD:

DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION

REMARKS

MUD RECORD

TIME			
WEIGHT			
VISC.			
W.L.-C.C.			
FLTR. CK			
PH			
SD. CONT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

EVENING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	RUN NO	
	SNGLS. DP	FT	SIZE	
	D.C. ID		MFG	
	D.C. 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 S. Silencho

HRS. DRLD	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M	WT ON BIT 1000#	PUMP PRESS	PUMP NO 1 LINER SIZE	PUMP NO 1 S P M	PUMP NO 2 LINER SIZE	PUMP NO 2 S.P.M	METHOD PUMPS RUN

DEVIATION RECORD:

DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION

REMARKS

10	8⁰⁰	6⁰⁰	W.O. New Swivel. Worked on D-Works Changed Oil in Same, Handled Cement.
2	6⁰⁰	8⁰⁰	Picked up New Swivel Serv't. Made up Same

MUD RECORD

TIME			
WEIGHT			
VISC.			
W.L.-C.C.			
FLTR. CK			
PH			
SD. CONT.			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT

DATE MAR 8/1959 | SEC. | TWP. | RGE. | W. | WELL NAME Liard River | No. 2 | PROVINCE N.W.T.

DRILL PIPE STRING NO. SIZE: 2. | TOOL JOINT OD | TYPE THD 1½ IF

CONTRACTOR'S TOOL PUSHER

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	National	C 350	18"
2.	National	C 350	18"
3.			

CASING & LINER RECORD

SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	PERFORATIONS FROM	PERFORATIONS TO	CEMENT USED	OTHER

	HRS. MORN	HRS. DAY
REAMING	9¾	9¾
CIRCULATING		
TRIPS	2.	1
DEVIATION SURVEY		
TEST B.O.P.		
CUT OFF DRILL LINE		
REPAIR RIG		
CORING		
WIRE LINE LOGGING		
OTHER	¼	1¼
FISHING		
COMPLETING (A) PERFORATING		
(B) RUNNING TUBING		
(C) SWABBING		
(D) TESTING		
(E) ACIDIZING		
(F) ADDITIONAL		
TOTALS	12	12

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 8 SIZE 1¼

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

MORNING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD		
8	STANDS DP	735.65 FT	RUN NO.	12	13
2	SNGLS. DP	60.58 FT.	SIZE	12¼	12¼
10	D.C. 2 7/8 ID 7" OD	314.57 FT.	MFG.	HTC	HTC
			TYPE	OSC	OWC
	RMR BODY OD	FT.	NOZ. NO.	3	3
	STB BODY OD	FT.	NOZ. SIZE	3/4	3/4
2	SUBS OD	5.54 FT.	SER. NO.	14088	15710
	BIT OR C.B.	FT.	DEPTH OUT	1055	
		FT.	CUMULATIVE HOURS RUN	9¼	5
	KELLY DOWN	17.96 FT.	COND. OF BIT	Dull	Under gauge
	TOTAL	1135.00 FT.	REAMER CUTTER NO.	3	
WT. OF STRING	50,000 LBS.		TYPE		

DRILLER S. Larson

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
		988	1135		140	15000	500	6½	74	6½		

DEVIATION RECORD:

DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION

REMARKS

¼	800 - 815	Rig Serv
4¼	815 - 1230	Reaming 9" To 12¼
2	1230 - 230	Trip for bit #13
½	230 - 300	Ream 60 ft undergauge hole
5	300 - 800	Reaming 9" To 12¼

MUD RECORD

TIME	900	1200	600
WEIGHT	9.4	9.4	9.5
VISC.	190	195	195
W.L.-C.C.	9.2	9.2	9.2
FLTR. CK.	2/32	2/32	2/32
PH	8	8	8
SD. CONT.			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
SEI	1000		

DAY TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD		
	STANDS DP	FT.	RUN NO		
	SNGLS. DP	FT.	SIZE		
	D.C. ID OD		MFG		
		FT	TYPE		
	RMR BODY OD	FT	NOZ. 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

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN

DEVIATION RECORD:

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

REMARKS

MUD RECORD

TIME			
WEIGHT			
VISC.			
W.L.-C.C.			
FLTR. CK.			
PH			
SD. CONT.			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

EVENING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD		
9	STANDS DP	822.70 FT.	RUN NO	13	
2	SNGLS. DP	61.55 FT	SIZE	12¼	
10	D.C. 2 7/8 ID 7 OD	314.57 FT	MFG	HTC	
			TYPE	OWC	
	RMR BODY OD	FT	NOZ. NO	3	
	STB BODY OD	FT	NOZ. SIZE	3/4	
2	SUBS OD	FT	SER NO	15710	
	BIT OR C.B	1.00 FT	DEPTH OUT	1240	
		FT	CUMULATIVE HOURS RUN	14¾	
	KELLY DOWN	31.20 FT.	COND. OF BIT	Dull	
	TOTAL	1240.16 FT	REAMER CUTTER NO.		
WT OF STRING	123,000 LBS.		TYPE		

DRILLER S. Siluch

HRS. DRLD	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M	WT ON BIT 1000#	PUMP PRESS	PUMP NO 1 LINER SIZE	PUMP NO 1 S.P.M	PUMP NO 2 LINER SIZE	PUMP NO 2 S.P.M	METHOD PUMPS RUN
9¾		1135	1240		140	15	600	6½	72	6½		

DEVIATION RECORD

DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION

REMARKS

¼	800 815	Rig Serv.
9¾	815 600	Finished Reaming 9" To 12¼
1	600 700	Pulled Out.
1	700 800	Picked up Reamer & Made up Same

MUD RECORD

TIME	1000	200	600
WEIGHT	9.5	9.5	9.5
VISC.	185	185	190
W.L.-C.C.	9.0	9.2	9.2
FLTR. CK	2/32	2/32	2/32
PH	8.0	8.0	8.0
SD. CONT.			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT
Water			
Gel	1000#		

C.P.—38

DAILY DRILLING REPORT

REPORT NO. 11 DATE MAR 8TH/1959

OPERATOR	LOCATION LSD. SEC. TWP. RGE. W.	WELL NAME	No.	PROVINCE
		LIARD RIVER #2.	#2.	

CONTRACTOR	RIG NO.	DRILL PIPE STRING NO. SIZE	TOOL JOINT OD / TYPE THD
Shell Oil Company	2		4 1/2" IF

OPERATOR'S REPRESENTATIVE: C.D. Paulson

CONTRACTOR'S TOOL PUSHER:

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	NATIONAL	C 350	18
2.	"	C 350	18
3.			

CASING & LINER RECORD	SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	PERFORATIONS FROM	PERFORATIONS TO	CEMENT USED	OTHER

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
DRILLING ACTUAL			
REAMING	11 3/4		10
CIRCULATING			
TRIPS			1 3/4
DEVIATION SURVEY			
TEST B.O.P.			
CUT OFF DRILL LINE			
REPAIR RIG			
CORING			
WIRE LINE LOGGING			
OTHER	1/4		1/4
FISHING			
COMPLETING (A) PERFORATING			
(B) RUNNING TUBING			
(C) SWABBING			
(D) TESTING			
(E) ACIDIZING			
(F) ADDITIONAL			
TOTALS	12	12	

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 8 SIZE 1/4

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.

MORNING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
8	STANDS DP	458.52 FT	RUN NO.	11
	SNGLS. DP	FT.	SIZE	12 1/4
10	D.C. 2 7/8" ID, 7" OD	314.57 FT.	MFG.	HTC
			TYPE	OSC
	RMR BODY OD	FT.	NOZ. NO.	3
	STB BODY OD	FT.	NOZ. SIZE	3/4
2	SUBS OD	5.54 FT.	SER. NO.	14091
	BIT OR C.B.	1.00 FT.	DEPTH OUT	
		FT.	CUMULATIVE HOURS RUN	12 1/2
	KELLY DOWN	41.20 FT.	COND. OF BIT	
	TOTAL	820.83 FT.	REAMER CUTTER NO.	
WT. OF STRING		48000 LBS.	TYPE	

DRILLER: Lee Larson

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
		642.	820	Reaming	140	2000	450	6 1/2	95	6 1/2		

DEVIATION RECORD: DEPTH / DEV / DIRECTION / DEPTH / DEV / DIRECTION / DEPTH / DEV / DIRECTION

REMARKS

1/4 800 - 815 Rig Ser

11 3/4 815 - 800 Reaming Bottom 9" to 12 1/4

MUD RECORD

TIME	10 00	2 00	6 00
WEIGHT	9.3	9.2	9.2
VISC.	200	220	210
W.L.-C.C.	9.	9.2	9.2
FLTR. CK.	2/32	2/32	2/32
PH	8	8	8
SD. CONT.			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	2100		

DAY TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	RUN NO.	
	SNGLS. DP	FT.	SIZE	
	D.C. ID / OD	FT	MFG	
			TYPE	
	RMR BODY OD	FT	NOZ. 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

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN

DEVIATION RECORD: DEPTH / DEV / DIRECTION / DEPTH / DEV / DIRECTION / DEPTH / DEV / DIRECTION

REMARKS

MUD RECORD

TIME			
WEIGHT			
VISC.			
W.L.-C.C.			
FLTR. CK			
PH			
SD. CONT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

EVENING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD		
7	STANDS DP	636.10 FT	RUN NO	11	12
	SNGLS. DP	FT	SIZE	12 1/4	12 1/4
10	D.C. 2 7/8" ID, 7" OD	314.57 FT	MFG	HTC	HTC
			TYPE	OSC	OSC
	RMR BODY OD	FT	NOZ. NO	3	3
	STB. BODY OD	FT	NOZ. SIZE	3/4	3/4
2	SUBS OD	5.54 FT	SER NO	14091	14088
	BIT OR C.B	1.00 FT	DEPTH OUT	890	
		FT	CUMULATIVE HOURS RUN	17 1/2	3 3/4
	KELLY DOWN	31.20 FT.	COND. OF BIT	Dull	
	TOTAL	988.41 FT	REAMER CUTTER NO.		
WT OF STRING		50,000 LBS.	TYPE		

DRILLER: S. Silnch

HRS. DRLD	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M	WT. ON BIT 1000#	PUMP PRESS	PUMP NO 1 LINER SIZE	PUMP NO 1 S.P.M	PUMP NO 2 LINER SIZE	PUMP NO 2 S.P.M	METHOD PUMPS RUN
10		820	988		140	15	450	6 1/2	74	6 1/2	Cut Bundo	

DEVIATION RECORD: DEPTH / DEV / DIRECTION / DEPTH / DEV / DIRECTION / DEPTH / DEV / DIRECTION

REMARKS

1/4 8 00 8 15 Rig Serv.

3 1/4 8 15 1 30 Reaming 9" to 12 1/4"

1 3/4 1 30 3 15 Trip for Bit # 12 & Serv. D.C.

3 3/4 3 15 8 00 Reaming 9" to 12 1/4"

MUD RECORD

TIME	10 00	2 00	6 00
WEIGHT	9.2	9.2	9.3
VISC.	190	195	190
W.L.-C.C.	9.4	9.4	9.2
FLTR. CK	2/32	2/32	2/32
PH	8.0	8.0	8.0
SD. CONT.			

Cleaned Shaker Tank Pit Settling

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Water			
Gels	1500#		

DAILY DRILLING REPORT

REPORT NO. 10 DATE MAR 7/1959

OPERATOR	LOCATION LSD. SEC. TWP. RGE. W.	WELL NAME	No.	PROVINCE
		LIARD RIVER	#2.	N.W.T.

CONTRACTOR	RIG NO.	DRILL PIPE STRING NO. SIZE	TOOL JOINT OD / TYPE THD
Shell Oil Company	2.		4 1/2 IF

OPERATOR'S REPRESENTATIVE: C.D. Paulson.

CONTRACTOR'S TOOL PUSHER:

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	NATIONAL	C350	18
2.	NATIONAL	C350	18
3.			

CASING & LINER RECORD	SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	PERFORATIONS FROM	PERFORATIONS TO	CEMENT USED	OTHER

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
DRILLING ACTUAL	2 1/4		
REAMING	1 3/4		8 1/2
CIRCULATING	1/2		
TRIPS	3 1/4		3 1/4
DEVIATION SURVEY	1/4		
TEST B.O.P.			
CUT OFF DRILL LINE			
REPAIR RIG			
CORING			
WIRE LINE LOGGING			
OTHER	3 3/4		1/4
FISHING			
COMPLETING (A) PERFORATING			
(B) RUNNING TUBING			
(C) SWABBING			
(D) TESTING			
(E) ACIDIZING			
(F) ADDITIONAL			
TOTALS	12.		12

TIME SUMMARY (OFFICE USE ONLY)

CONT. CIO TIME HRS:

OPERATOR'S TIME:

HRS. W/D.P:

HRS. WO/D.P:

HRS. STANDBY

WIRE LINE RECORD

REEL NO.

NO. OF LINES 8 SIZE 1 1/4

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.

MORNING TOUR

NO.	DRILLING ASSEMBLY			BIT RECORD		
9	STANDS DP	826.61	FT	RUN NO.	9	10
2	SNGLS. DP	61.55	FT.	SIZE	9	12 1/4
	D.C. ID			MFG.	HTC.	HTC
10	9" OD	314.57	FT.	TYPE	OWV	OSC3J
	RMR BODY OD		FT.	NOZ. NO.	3	3
	STB BODY OD		FT.	NOZ. SIZE	11/16	
1	SUBS OD	3.07	FT.	SER. NO.	5606996715	
	BIT OR C.B.		FT.	DEPTH OUT	1240	
			FT	CUMULATIVE HOURS RUN	2 1/4	1 3/4
	KELLY DOWN	34.20	FT.	COND. OF BIT		
	TOTAL	1240.00	FT.	REAMER CUTTER NO.		
WT. OF STRING		53000.	LBS.	TYPE		

DRILLER: E.D. Grasson

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
2 1/4		1218	1240		140	15000	400	6 1/2	74	6 1/2		
1 3/4		1240.	324	REAM 9" TO 12 1/4								

DEVIATION RECORD:	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION
	1240	1 1/2							

REMARKS

1/4	800 - 815 Rig Service
1	815 - 915 Tran out Plugged Bit & Collar of Gravel
1/4	915 - 1000 Running in
2 1/2	1000 - 1230 Cleaning Hole 200' To bottom.
2 1/4	1230 - 245 Drilling.
1/2	245 - 315 Circ Hole.
3	315 - 615 TRIP OUT, BOTH WITH 12 1/4 AND REAM
1 3/4	615 - 800 START REAMING @ 412. 9" TO 12 1/4

MUD RECORD				
TIME	2 00			
WEIGHT	9.2			
VISC.	290			
W.L.-C.C.	7.2			
FLTR. CK.	2/32			
PH	8			
SD. CONT.				

MUD & CHEMICALS ADDED TYPE	AMT.	TYPE	AMT.

DAY 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	NOZ. 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

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN

DEVIATION RECORD:	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION

REMARKS

MUD RECORD				
TIME				
WEIGHT				
VISC.				
W.L.-C.C.				
FLTR. CK				
PH				
SD. CONT				

MUD & CHEMICALS ADDED TYPE	AMT.	TYPE	AMT.

EVENING TOUR

NO.	DRILLING ASSEMBLY			BIT RECORD		
3.	STANDS DP	258.10	FT.	RUN NO	10	11
2.	SNGLS. DP	30.81	FT	SIZE	12 1/4	12 1/4
	D.C. 2 7/8 ID			MFG	HTC	HTC
10	7" OD	314.57	FT	TYPE	OSC3	OSC
	RMR BODY OD		FT	NOZ. NO	3	3
	STB BODY OD		FT	NOZ. SIZE		3/4
2	SUBS OD	5.54	FT	SER NO	9671514091	
	BIT OR C.B	1.00	FT.	DEPTH OUT	630	
			FT	CUMULATIVE HOURS RUN	9 1/2	3/4
	KELLY DOWN	32.20	FT.	COND. OF BIT	UNDER	
	TOTAL	642.16	FT	REAMER CUTTER NO.	GAUGE.	
WT OF STRING		150,000	LBS.	TYPE		

DRILLER: S. Siluch

HRS. DRLD	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M	WT ON BIT 1000=	PUMP PRESS	PUMP NO 1 LINER SIZE	PUMP NO 1 S P M	PUMP NO 2 LINER SIZE	PUMP NO 2 S.P.M	METHOD PUMPS RUN
		824	642	REAMED	140	15	400	6 1/2	72	6 1/2	Cir Pumps	

DEVIATION RECORD:	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION

REMARKS

1/4	7 15	8 00	Rig Service
3 1/4	8 15	4 00	REAMING 9" TO 12 1/4"
3 1/4	4 00	7 15	TRIP FOR BIT #11 REAMED UNDERGAUGE HOLE 60' TO BOTTOM.
3/4	7 15	8 00	REAMING

MUD RECORD				
TIME	10 00	200	600	
WEIGHT	9.3	9.3	9.3	
VISC.	205	200	210	
W.L.-C.C.	9.6	9.0	9.2	
FLTR. CK	2/32	1/32	2/32	
PH	8.0	8.0	8.0	
SD. CONT.				

MUD & CHEMICALS ADDED TYPE	AMT.	TYPE	AMT.
Waterin			
Gelo	200#		
Lytron B.5			

C.P.—36

DAILY DRILLING REPORT

REPORT NO. 9 DATE MAR 6/1959

OPERATOR	
LOCATION LSD. SEC. TWP. RGE. W.	
WELL NAME	SHELL LIARD RIVER
No.	# 2
PROVINCE	N W T
CONTRACTOR	Shell Oil Company
RIG NO.	2
DRILL PIPE STRING NO. SIZE	
TOOL JOINT OD / TYPE THD	4 1/2 IF
OPERATOR'S REPRESENTATIVE	C. O. Paulson.
CONTRACTOR'S TOOL PUSHER	

PUMPS NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	National	C250	18
2.	"	C250	18
3.			

CASING & LINER RECORD	SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	PERFORATIONS FROM	PERFORATIONS TO	CEMENT USED	OTHER

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
DRILLING ACTUAL			
REAMING			13/4
CIRCULATING			
TRIPS			1 1/4
DEVIATION SURVEY			
TEST B.O.P.			
CUT OFF DRILL LINE			
REPAIR RIG			
CORING			
WIRE LINE LOGGING			
OTHER	12.		4
FISHING			
COMPLETING (A) PERFORATING			
(B) RUNNING TUBING			
(C) SWABBING			
(D) TESTING			
(E) ACIDIZING			
(F) ADDITIONAL			
TOTALS	12		12

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.

MORNING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	8 26/17 FT	RUN NO.	8
	SNGLS. DP	30.74 FT.	SIZE	9
	D.C. ID		MFG.	HTC.
10	7" OD	314.51 FT.	TYPE	W17
	RMR BODY OD	FT.	NOZ. NO.	3
	STB BODY OD	FT.	NOZ. SIZE	11/11
	SUBS OD	3.07 FT.	SER. NO.	65384
	BIT OR C.B.	FT.	DEPTH OUT	
		FT.	CUMULATIVE HOURS RUN	
	KELLY DOWN	41.41 FT.	COND. OF BIT	
	TOTAL	1218.46 FT.	REAMER CUTTER NO.	
	WT. OF STRING	LBS.	TYPE	

DRILLER E. Larson.

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
		70	1218									

DEVIATION RECORD:	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION
	1240	1/2							

REMARKS

800 - 1200 WORKING STUCK pipe.
MIXING Gel, TRY To get Circ
1200 - 1215 Rig Ser
1215 - 800 WORKING STUCK pipe
Moved pipe 10"

MUD RECORD			
TIME	1	12	6
WEIGHT		1.2	
VISC.	9	75	102.
W.L.-C.C.		11.	
FLTR. CK.		Filtration MUD	
PH		8	
SD. CONT.			

MUD & CHEMICALS ADDED TYPE	AMT.	TYPE	AMT.
Bar	770		
Caustic	50		
Lignosol	30		
Lytron B	25		

DAY 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	NOZ. 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

HRS. DRLD	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN

DEVIATION RECORD:	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION

REMARKS

MUD RECORD			
TIME			
WEIGHT			Add salt
VISC.			
W.L.-C.C.			
FLTR. CK			
PH			
SD. CONT			

MUD & CHEMICALS ADDED TYPE	AMT.	TYPE	AMT.

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	NOZ. 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 S. Silucks

HRS. DRLD	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M	WT ON BIT 1000#	PUMP PRESS	PUMP NO 1 LINER SIZE	PUMP NO 1 S P M	PUMP NO 2 LINER SIZE	PUMP NO 2 S.P.M	METHOD PUMPS RUN

DEVIATION RECORD	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION

REMARKS

8:00 - 8:15 Rig Serv.
8:15 - 9:15 Work. Pipe Unstuck Same.
9:15 - 12:00 Cond. Mud
12:00 - 6:45 Reaming & Circing To Bottom.
6:45 - 8:00 Bit Plugged on Drm. & Pulled Same.
56" Fuel

MUD RECORD			
TIME	10:00	2:00	6:00
WEIGHT			9.3
VISC.			215
W.L.-C.C.			9.6
FLTR. CK	Cont		2/32
PH	Mud		8.0
SD. CONT.			

MUD & CHEMICALS ADDED TYPE	AMT.	TYPE	AMT
Gel.	3500#		
Water			
Lytron B.	8#		

C.P.—38

DAILY DRILLING REPORT

REPORT NO. 8 DATE MAR 5/1959

OPERATOR	LOCATION LSD. SEC. TWP. RGE. W.	WELL NAME	No.	PROVINCE
		SHELL LIARD RIVER	2	

CONTRACTOR	RIG NO.	DRILL PIPE STRING NO. SIZE	TOOL JOINT OD / TYPE THD
Shell Oil Company	2.		4½" IF

OPERATOR'S REPRESENTATIVE: E.D. Paulson.

CONTRACTOR'S TOOL PUSHER:

PUMPS NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	National	C350	18
2.	National	C350	
3.			

CASING & LINER RECORD	SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	PERFORATIONS FROM	PERFORATIONS TO	CEMENT USED	OTHER

TIME DISTRIBUTION—HOURS	MORN	DAY	EVE
DRILLING ACTUAL			
REAMING			1¾
CIRCULATING			
TRIPS	4		
DEVIATION SURVEY			
TEST B.O.P.			
CUT OFF DRILL LINE			
REPAIR RIG			
CORING			
WIRE LINE LOGGING			
OTHER	8	10¼	
FISHING			
COMPLETING (A) PERFORATING			
(B) RUNNING TUBING			
(C) SWABBING			
(D) TESTING			
(E) ACIDIZING			
(F) ADDITIONAL			
TOTALS	12	12	

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.

MORNING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
9	STANDS DP	826.17 FT	RUN NO.	8
1	SNGLS. DP	30.24 FT.	SIZE	9
	D.C. ID		MFG.	HTC.
10	7" OD	314.57 FT.	TYPE	W7
	RMR BODY OD	FT.	NOZ. NO.	3
	STB BODY OD	FT.	SIZE	4/16
	SUBS OD	3.67 FT.	SER. NO.	55386
	BIT OR C.B.	.50 FT.	DEPTH OUT	
		FT.	CUMULATIVE HOURS RUN	
	KELLY DOWN	41.41 FT.	COND. OF BIT	
	TOTAL	1218.46 FT.	REAMER CUTTER NO.	
WT. OF STRING	53000 LBS.		TYPE	

DRILLER: E.D. Larson

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
		T.D.	1218									

DEVIATION RECORD:	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION

REMARKS

4 8⁰⁰ - 12⁰⁰ Running in Reaming bridges
Bit plugging with Pea Gravel, Pull plugged
Bit & clean same.
4 12⁰⁰ - 12¹⁵ Rig Serv
7¾ 12¹⁵ - 7⁰⁰ Change screens on shale shakers
Cleaning mud tanks, mixing
Gel & conditioning mud.

MUD RECORD			
TIME	10	3	
WEIGHT		7.4	
VISC.	45	140	
W.L.-C.C.		4.6	
FLTR. CK.		2/32	
PH		8	
SD. CONT.			

MUD & CHEMICALS ADDED TYPE	AMT.	TYPE	AMT.
Gel	5200		

DAY 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	NOZ. NO.	
	STB BODY OD	FT	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

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN

DEVIATION RECORD:	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION

REMARKS

MUD RECORD			
TIME			
WEIGHT			
VISC.			
W.L.-C.C.			
FLTR. CK			
PH			
SD. CONT			

MUD & CHEMICALS ADDED TYPE	AMT.	TYPE	AMT.

EVENING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	RUN NO	8
	SNGLS. DP	FT	SIZE	9"
	D.C ID		MFG	HTC
	OD	FT	TYPE	W9
	RMR BODY OD	FT	NOZ NO	3
	STB BODY OD	FT	SIZE	11/16
	SUBS OD	FT	SER NO	55381
	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: S. Silnch

HRS. DRLD	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M	WT ON BIT 1000#	PUMP PRESS	PUMP NO 1 LINER SIZE	PUMP NO 1 S.P.M	PUMP NO 2 LINER SIZE	PUMP NO 2 S.P.M	METHOD PUMPS RUN
		1218						6½		6½		

DEVIATION RECORD:	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION

REMARKS

7⁰⁰ 7¹⁵ Rig Serv.
7¹⁵ 1⁰⁰ Finished Cleaning Mud Tanks & Work
1⁰⁰ on Shale Shakers
1⁰⁰ 4¹⁵ Cond. Mud For Tight Hole
4¹⁵ 6⁰⁰ Reaming in. 627' w/
6⁰⁰ 8⁰⁰ Stuck in Hole @ ~~[illegible]~~ Work Pipe
62" Fmed.

MUD RECORD			
TIME			
WEIGHT			
VISC.			
W.L.-C.C.	Condition Mud.		
FLTR. CK			
PH			
SD. CONT.			

MUD & CHEMICALS ADDED TYPE	AMT.	TYPE	AMT
Water.			
Gel.	5300		

C.P.—38 **DAILY DRILLING REPORT** REPORT NO. 7 DATE MAR 4 1959

OPERATOR	LOCATION LSD. 61° 14' N SEC. TWP. 122° 45' W. RGE. W.	WELL NAME SHELL LIARD RIVER	No. 2	PROVINCE NWT
CONTRACTOR: Shell Oil Company	RIG NO. 2.	DRILL PIPE STRING NO. SIZE	TOOL JOINT OD / TYPE THD 6 1/2 IF	
OPERATOR'S REPRESENTATIVE: C. D. Pawlson	CONTRACTOR'S TOOL PUSHER			

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	NATIONAL	C 350	18
2.	NATIONAL	C 350	18
3.			

CASING & LINER RECORD	SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	PERFORATIONS FROM	PERFORATIONS TO	CEMENT USED	OTHER

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
DRILLING ACTUAL	7 3/4		9 1/4
REAMING			
CIRCULATING			
TRIPS	3 1/2		2 1/4
DEVIATION SURVEY			1/4
TEST B.O.P.			
CUT OFF DRILL LINE			
REPAIR RIG			
CORING			
WIRE LINE LOGGING			
OTHER	1/4		1/4
FISHING			
COMPLETING (A) PERFORATING			
(B) RUNNING TUBING			
(C) SWABBING			
(D) TESTING			
(E) ACIDIZING			
(F) ADDITIONAL			
TOTALS	12		12

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 8 SIZE 1 1/4

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.

MORNING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD		
8	STANDS DP	234.68 FT	RUN NO.	6	7
2	SNGLS. DP	60.58 FT.	SIZE	9	7
	D.C. 2 7/8 ID		MFG.	HTC	HTC
10	7" OD	314.57 FT.	TYPE	OWV	W7
	RMR BODY OD	FT.	NOZ. NO.	3	"
	STB BODY OD	FT.	NOZ. SIZE	11/16	11/16
	SUBS OD	3.07 FT.	SER. NO.	56070	55390
	BIT OR C.B.	FT.	DEPTH OUT	1092	
		FT.	CUMULATIVE HOURS RUN	12 3/4	5 1/2
	KELLY DOWN	34.20 FT.	COND. OF BIT		
	TOTAL	1147 FT.	REAMER CUTTER NO.		
WT. OF STRING		53000 LBS.	TYPE		

DRILLER: C. D. Pawlson

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
7 3/4		1078	1147				600	6 1/2	74	6 1/2	66	

DEVIATION RECORD:	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION
	1092.	1/2°							

REMARKS

2 1/4	8:00 - 10:15	Drilling.
1/2	10:15 - 10:45	Trip for Bit. Drill collars hard to break.
		Break & Dress same (Rig Sev) 1200-1215
3/4	10:45 - 2:30	Ream bridge at 1005', unplug bit, clean to
		Bottom 25'
5 1/2	2:30 - 8:00	Drilling.

MUD RECORD			
TIME	8:00	1:00	6:00
WEIGHT	9.4	9.4	9.3
VISC.	62	58	63
W.L.-C.C.	8.8	9.4	9.6
FLTR. CK.	2/32	2/32	2/32
PH	8	8	8
SD. CONT.			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
L. M	3500		

DAY 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	NOZ. NO.	
	STB BODY OD	FT	NOZ. SIZE	
	SUBS OD	FT	SER. NO	
	BIT OR C.B	FT	DEPTH OUT	
		FY	CUMULATIVE HOURS RUN	
	KELLY DOWN	FT	COND OF BIT	
	TOTAL	FT	REAMER CUTTER NO.	
WT OF STRING		LBS.	TYPE	

DRILLER

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN

DEVIATION RECORD:	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION

REMARKS

MUD RECORD			
TIME			
WEIGHT			
VISC.			
W.L.-C.C.			
FLTR. CK			
PH			
SD. CONT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

EVENING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
9	STANDS DP	826.17 FT.	RUN NO	7
1	SNGLS. DP	30.74 FT	SIZE	9"
	D.C. 2 7/8 ID		MFG	HTC
10	7" OD	314.57 FT	TYPE	W7
	RMR BODY OD	FT	NOZ. NO	3
	STB BODY OD	FT	NOZ. SIZE	11/16
1	SUBS 7 OD	3.07 FT	SER NO	55390
	BIT ~~OR C.B~~	.60 FT	DEPTH OUT	1218
		FT	CUMULATIVE HOURS RUN	14 3/4
	KELLY DOWN	41.41 FT.	COND. OF BIT	Dull
	TOTAL	1218.46 FT	REAMER CUTTER NO.	
WT OF STRING		53,000 LBS.	TYPE	

DRILLER: S. Silnicki

HRS. DRLD	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M	WT ON BIT 1000#	PUMP PRESS	PUMP NO 1 LINER SIZE	PUMP NO 1 S.P.M	PUMP NO 2 LINER SIZE	PUMP NO 2 S.P.M	METHOD PUMPS RUN
9 1/4		1147	1218		140	20	600	6 1/2	74	6 1/2	Over Burn	

DEVIATION RECORD	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION
	1218	1/2°							

REMARKS SLM 1218.58 = 1218.58

8:00 - 8:15	Rig Serv.	
8:15 - 3:30	Drilling	
3:30 - 3:45	Rep. Servey @ 1218 1/2°	
3:45 - 8:00	Tripping. Measure Out.	

MUD RECORD			
TIME	10:00	2:00	6:00
WEIGHT	9.5	9.5	9.5
VISC.	68	65	63
W.L.-C.C.	9.6	9.4	9.4
FLTR. CK	2/32	2/32	2/32
PH	8.0	8.0	8.0
SD. CONT.			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT
Water.			
Caustic	25#		
Quebracho	50#		
Gel.	700#		

C.P.—38

DAILY DRILLING REPORT

REPORT NO. 6 DATE MAR 3 1959

OPERATOR	LOCATION LSD. SEC. TWP. RGE. W.	WELL NAME	No.	PROVINCE
		SHELL LIARD RIVER	2	NWT

CONTRACTOR: Shell Oil Company — RIG NO. 2 — DRILL PIPE STRING NO. SIZE — TOOL JOINT OD — TYPE THD 4½ IF

OPERATOR'S REPRESENTATIVE: C. D. Paulson — CONTRACTOR'S TOOL PUSHER:

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	National	C350	18"
2.	National	C350	18"
3.			

CASING & LINER RECORD

SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	PERFORATIONS FROM	PERFORATIONS TO	CEMENT USED	OTHER

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
DRILLING ACTUAL	8½		8¼
REAMING			
CIRCULATING			
TRIPS	2¼		
DEVIATION SURVEY	¾ 2		
TEST B.O.P.			
CUT OFF DRILL LINE			
REPAIR RIG			3½
CORING			
WIRE LINE LOGGING			
OTHER	¾		¼
FISHING			
COMPLETING (A) PERFORATING			
(B) RUNNING TUBING			
(C) SWABBING			
(D) TESTING			
(E) ACIDIZING			
(F) ADDITIONAL			
TOTALS	12		12

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 8 SIZE 1¼

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.

MORNING TOUR

NO.	DRILLING ASSEMBLY			BIT RECORD		
7	STANDS DP		1537 FT.	RUN NO.	5	6
1	SNGLS. DP		307 FT.	SIZE	9"	
12	D.C. 7"	ID / OD	314.57 FT.	MFG.	HTC	HTC
	RMR BODY	OD	FT.	TYPE	W7A	OWV
	STB BODY	OD	FT.	NOZ. NO.	3	3
				NOZ. SIZE	11	11
	SUBS	OD	3.07 FT.	SER. NO.	56041	56070
	BIT OR C.B.		FT.	DEPTH OUT	990	
			FT.	CUMULATIVE HOURS RUN	11	1¾
	KELLY DOWN		FT.	COND. OF BIT		
	TOTAL		1003.00 FT.	REAMER CUTTER NO.		
WT. OF STRING			52000 LBS.	TYPE		

DRILLER: E. D. Larson

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
5½		940	1003		130	1500	600	6½	23	6½		

DEVIATION RECORD:	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION
	1000	¾°							

REMARKS

1	800 - 830 Work on Brake Driller
3½	830 - 1200 Drilling & Working on Automatic Driller
¼	1200 - 1215 Rig Serv
3¼	1215 - 1330 Drilling
2¼	1330 - 545 Trip For Bit clean junk sub (6 bearings)
1	545 - 645 Drilling
½	645 - 715 Survey's
¾	715 - 800 Drilling

MUD RECORD

TIME	7	12	7
WEIGHT	9.4	9.4	9.5
VISC.	57	58	66
W.L.-C.C.	9	9	8.8
FLTR. CK.	2/32	2/32	2/32
PH	8	8	8
SD. CONT.			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

NO.	DRILLING ASSEMBLY			BIT RECORD	
	STANDS DP		FT.	RUN NO	
	SNGLS. DP		FT.	SIZE	
	D.C.	ID / OD	FT	MFG	
				TYPE	
	RMR BODY	OD	FT	NOZ. 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

HRS. DRLD	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M	WT ON BIT 1000#	PUMP PRESS	PUMP NO 1 LINER SIZE	PUMP NO 1 S.P.M	PUMP NO 2 LINER SIZE	PUMP NO 2 S.P.M	METHOD PUMPS RUN

DEVIATION RECORD:	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION

REMARKS

MUD RECORD

TIME	1		
WEIGHT			
VISC.			
W.L.-C.C.			
FLTR. CK			
PH			
SD. CONT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

EVENING TOUR

NO.	DRILLING ASSEMBLY			BIT RECORD	
8	STANDS DP		734.75 FT.	RUN NO	6
	SNGLS. DP		FT	SIZE	9"
10	D.C. 2 7/8 7"	ID / OD	314.57 FT	MFG	HTC
				TYPE	OWV
	RMR BODY	OD	FT	NOZ. NO	3
	STB BODY	OD	FT	NOZ. SIZE	11/16
1	SUBS 7	OD	3.07 FT	SER NO	56070
	BIT OR ~~C.B~~		.60 FT	DEPTH OUT	
			FT	CUMULATIVE HOURS RUN	10
	KELLY DOWN		23.20 FT.	COND. OF BIT	
	TOTAL		1076.49 FT	REAMER CUTTER NO.	
WT. OF STRING			52,000 LBS.	TYPE	

DRILLER: S. Silneb

HRS. DRLD	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M	WT ON BIT 1000#	PUMP PRESS	PUMP NO 1 LINER SIZE	PUMP NO 1 S.P.M	PUMP NO 2 LINER SIZE	PUMP NO 2 S.P.M	METHOD PUMPS RUN
		1003	1076		140	15	600	6½	76	6½		

DEVIATION RECORD:	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION

REMARKS

8⁰⁰ - 8¹⁵	Rig Serv.
8³⁰ - 2⁴⁵	Drilling
2⁴⁵ - 6⁰⁰	Lined up #1-2-3 Gyrolos
6⁰⁰ - 8⁰⁰	Drilling
9¹⁵ - 9³⁰	Work on #1 Motor.

MUD RECORD

TIME	10⁰⁰	2⁰⁰	6⁰⁰
WEIGHT	9.5	9.5	9.5
VISC.	65	60	58
W.L.-C.C.	9.0	9.0	8.8
FLTR. CK	2/32	2/32	2/32
PH	8.0	8.0	8.0
SD. CONT.			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT
Gelo	1000#		
Caustic	25#		
Quebracho	50#		
Water			

C.P.—38

DAILY DRILLING REPORT

REPORT NO. 5 DATE MAR 2/1958

OPERATOR	LOCATION LSD. SEC. TWP. RGE. W.	WELL NAME	No.	PROVINCE
		SHELL LIARD RIVER	2	N.W.T.

CONTRACTOR: Shell Oil Company

RIG NO.: 2

DRILL PIPE STRING NO. SIZE:

TOOL JOINT OD: TYPE THD 6 1/2 IF

OPERATOR'S REPRESENTATIVE: C.O. Paulson

CONTRACTOR'S TOOL PUSHER:

PUMPS NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	National	C350	18
2.	National	C350	18
3.			

CASING & LINER RECORD	SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	PERFORATIONS FROM	PERFORATIONS TO	CEMENT USED	OTHER

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
DRILLING ACTUAL	10 3/4		7 1/4
REAMING	4		
CIRCULATING			
TRIPS			2 3/4
DEVIATION SURVEY	1/4		1/4
TEST B.O.P.			
CUT OFF DRILL LINE			
REPAIR RIG			1/2
CORING			
WIRE LINE LOGGING			
OTHER	1 1/4		1/4
FISHING			
COMPLETING (A) PERFORATING			
(B) RUNNING TUBING			
(C) SWABBING			
(D) TESTING			
(E) ACIDIZING			
(F) ADDITIONAL			
TOTALS	12		12

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 8 SIZE 1/4

FEET SLIPPED

FEET CUT OFF

PRESENT LENGTH

TON MI. or TRIPS SINCE LAST CUT

CUMULATIVE TON MI. or TRIPS

NO. OF DAYS FROM SPUD 4

CUMULATIVE ROTATING HRS.

MORNING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	40.66 FT	RUN NO.	4
	SNGLS. DP	61.50 FT	SIZE	9
10	D.C. 2 2/8 ID 7" OD	304.57 FT	MFG.	HTC
	RMR BODY OD	FT	TYPE	OSC
	STB BODY OD	FT	NOZ. NO.	3
	SUBS OD	3.07 FT	NOZ. SIZE	4/4
	BIT OR C.B.	FT	SER. NO.	1164
		FT	DEPTH OUT	
	KELLY DOWN	39.20 FT	CUMULATIVE HOURS RUN	14 1/4
	TOTAL	FT	COND. OF BIT	
WT. OF STRING	54,000 LBS.		REAMER CUTTER NO.	
			TYPE	

DRILLER: E. Hebert

HRS. DRLD	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
10 3/4		264	876		150	15	550	6	-			

DEVIATION RECORD:	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION
	786	1							

REMARKS

1 1/4	800 - 915	Drilling
1/2	915 - 945	Survey
2 1/4	945 - 1200	Drilling
	1200 - 100	Rig Serv. Change Swivel on Kell. Hose & Cleaning Hole
7	100 - 800	Drilling

MUD RECORD

TIME	6 am	2 pm	700
WEIGHT	9.2	9.2	9.1
VISC.	61	60	62
W.L.-C.C.	12	9.	
FLTR. CK.	2/32	2/32	
PH	5	8	
SD. CONT.			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	2000		

DAY TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	RUN NO	
	SNGLS. DP	FT.	SIZE	
	D.C. ID OD	FT	MFG	
			TYPE	
	RMR BODY OD	FT	NOZ. 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

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M	WT ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN

DEVIATION RECORD:	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION

REMARKS

MUD RECORD

TIME			
WEIGHT			
VISC.			
W.L.-C.C.			
FLTR. CK.			
PH			
SD. CONT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT

EVENING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD		
6	STANDS DP	250.20 FT.	RUN NO	4	5
1	SNGLS. DP	30.73 FT	SIZE	9"	9"
10	D.C. 2 7/8 ID 7" OD	314.57 FT	MFG	HTC	HTC
			TYPE	OSC	WTR.
	RMR BODY OD	FT	NOZ. NO	3	3
	STB BODY OD	FT	NOZ. SIZE	7/16	7/16
1	SUBS 7" OD	3.07 FT	SER NO	1164	56076
	BIT OR C.B.	.60 FT	DEPTH OUT	899	
		FT	CUMULATIVE HOURS RUN	17 1/2	4
	KELLY DOWN	41.20 FT.	COND. OF BIT	Lost Cones	
	TOTAL	940.39 FT	REAMER CUTTER NO.		
WT OF STRING	52,000 LBS.		TYPE		

DRILLER: S. Silicho

HRS. DRLD	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M	WT ON BIT 1000#	PUMP PRESS	PUMP NO 1 LINER SIZE	PUMP NO 1 S.P.M	PUMP NO 2 LINER SIZE	PUMP NO 2 S.P.M	METHOD PUMPS RUN
7 1/4		876	940		120	15	700	6 1/2	70	6 1/2	Disc.	
					120							

DEVIATION RECORD:	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION
	878	1/2							

REMARKS

18:00	8:15	Rig Serv.
8:15	8:30	Ran Survey @ 878 1/2°
8:30	10:00	Work on Compound 10:00 1:15 Drilling
1:15	3:00	Trip Bit #5 Ran Junk Sub. & Wtr.
3:00	4:00	Reamed 3' Under Gauge Hole & Mill Cones.
4:00	8:00	Drilling

MUD RECORD

TIME	10 OK	2:00	6:00
WEIGHT	9.3	9.3	9.3
VISC.	65	60	60
W.L.-C.C.		9.6	
FLTR. CK		2/32	
PH		8.0	
SD. CONT.			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT

C.P.—38

DAILY DRILLING REPORT

REPORT NO. 4 DATE MAR 1ST/1959

OPERATOR	LOCATION LSD. SEC. TWP. RGE. W.	WELL NAME	No.	PROVINCE
		SHELL LIARD RIVER	2	N.W.T.

CONTRACTOR	RIG NO.	DRILL PIPE STRING NO. SIZE	TOOL JOINT OD / TYPE THD
Shell Oil Company	2		4½" IF

OPERATOR'S REPRESENTATIVE: C.D. Paulson

CONTRACTOR'S TOOL PUSHER:

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	NATIONAL	350	18"
2.	NATIONAL	350	18"
3.			

CASING & LINER RECORD

SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	PERFORATIONS FROM	PERFORATIONS TO	CEMENT USED	OTHER

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
DRILLING ACTUAL	9	3½	
REAMING			
CIRCULATING		3¼	
TRIPS	1	1½	
DEVIATION SURVEY	1		
TEST B.O.P.			
CUT OFF DRILL LINE			
REPAIR RIG	¾		
CORING			
WIRE LINE LOGGING			
OTHER	¼	¼	
FISHING			
COMPLETING (A) PERFORATING			
(B) RUNNING TUBING			
(C) SWABBING			
(D) TESTING			
(E) ACIDIZING			
(F) ADDITIONAL			
TOTALS	12	12	

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 8 SIZE 1¼

FEET SLIPPED

FEET CUT OFF

PRESENT LENGTH

TON MI. or TRIPS SINCE LAST CUT

CUMULATIVE TON MI. or TRIPS

NO. OF DAYS FROM SPUD 3

CUMULATIVE ROTATING HRS.

MORNING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
3	STANDS DP	273.74 FT	RUN NO.	3
	SNGLS. DP	61.42 FT.	SIZE	9
10	D.C. 2 2/8 ID / 7 OD	314.57 FT.	MFG.	HTC.
			TYPE	OSC
	RMR BODY OD	FT.	NOZ. NO.	3
	STB BODY OD	FT.	SIZE	11/16
1	SUBS OD	3.07 FT.	SER. NO.	1151
	BIT OR C.B.	FT.	DEPTH OUT	694
		FT.	CUMULATIVE HOURS RUN	12½
	KELLY DOWN	41.20 FT.	COND. OF BIT	100%
	TOTAL	791.00 FT.	REAMER CUTTER NO.	
WT. OF STRING	49000 LBS.		TYPE	

DRILLER: C.D. Paulson

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M.	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
9		572.	694		240	12000	500	6½	78	6½		

DEVIATION RECORD:	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION
	593	1°		653	½°		694	⅞°	

REMARKS

¼	800 AM - 815	Rig Ser
1¾	815 - 1000	Drilling
¼	1000 - 1015	Survey
½	1015 - 1045	Work on Kelly hose
2¼	1045 - 100	Drilling
¼	105 - 130	Work on Rotary clutch (Rig Ser)
2½	130 - 400	Drilling
½	400 - 430	Drilling Survey
½	430 - 700	Drilling
1	700 - 800	Trip Survey

MUD RECORD

TIME			200
WEIGHT			
VISC.	33	45	48
W.L.-C.C.			12.2
FLTR. CK.			~~12.2~~
PH			8
SD. CONT.			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
C-1	6100		
Inhibitol	100		
Caustic	50		

DAY TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	RUN NO	
	SNGLS. DP	FT.	SIZE	
	D.C. ID / OD	FT	MFG	
			TYPE	
	RMR BODY OD	FT	NOZ. NO.	
	STB BODY OD	FT	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

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M	WT ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M	METHOD PUMPS RUN

DEVIATION RECORD:	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION

REMARKS

MUD RECORD

TIME			
WEIGHT			
VISC.			
W.L.-C.C.			
FLTR. CK			
PH			
SD. CONT.			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT

EVENING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
4	STANDS DP	365.60 FT.	RUN NO	4
2	SNGLS. DP	61.33 FT	SIZE	9"
10	D.C. 2 7/8 ID / 7 OD	314.57 FT	MFG	HTC.
			TYPE	OSC
	RMR BODY OD	FT	NOZ. NO	3
	STB BODY OD	FT	SIZE	11/16
1	SUBS OD	3.07 FT	SER NO	1164
	BIT OR ~~C.B.~~	.60 FT	DEPTH OUT	
		FT	CUMULATIVE HOURS RUN	3½
	KELLY DOWN	19.20 FT.	COND. OF BIT	
	TOTAL	764.37 FT	REAMER CUTTER NO.	
WT OF STRING	50,000	LBS.	TYPE	

DRILLER: S. Silucks

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M	WT ON BIT 1000#	PUMP PRESS	PUMP NO 1 LINER SIZE	PUMP NO 1 S.P.M	PUMP NO 2 LINER SIZE	PUMP NO 2 S.P.M	METHOD PUMPS RUN
3½		694	764		120	15	600	6½	70	6½		

DEVIATION RECORD:	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION

REMARKS

8:00 - 8:15	Rig Serv.
8:15 - 9:45	Finished Trip Bit #4
9:45 - 12:15	Drilling
12:15 - 3:30	Lost Circ & Cond. Mud For Same
3:30 - 4:00	Drilling
4:00 - 7:30	Unplug Bit Ream Back To Btm. After Cond. Cond Mud
7:30 - 8:00	Drilling

~~8:00 PM~~ Mar 1/59.

MUD RECORD

TIME	1000	2:00	600
WEIGHT			
VISC.			50
W.L.-C.C.	mix fast cell	Material on hand.	
FLTR. CK			
PH			
SD. CONT.			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT
Gel.	7000#	water	
Sawdust	15 bags		
Caustic	75#		
Inhibitol	50#		

C.P.—38 **DAILY DRILLING REPORT** REPORT NO. 3 DATE Feb 28/1959

OPERATOR	LOCATION LSD. SEC. TWP. RGE. W.	WELL NAME	No.	PROVINCE
		Shell Liard River	2	N.W.T.

CONTRACTOR	RIG NO.	DRILL PIPE STRING NO. SIZE	TOOL JOINT OD / TYPE THD
Shell Oil Company	2.		4½ IF

OPERATOR'S REPRESENTATIVE: C.O. Paulson

CONTRACTOR'S TOOL PUSHER:

PUMPS NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	National	350	18
2.	"	350	18
3.			

CASING & LINER RECORD	SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	PERFORATIONS FROM	PERFORATIONS TO	CEMENT USED	OTHER

TIME DISTRIBUTION—HOURS	MORN	DAY	EVE
DRILLING ACTUAL	7½		5¼
REAMING			
CIRCULATING			
TRIPS	2½		2
DEVIATION SURVEY	¾		¼
TEST B.O.P.			
CUT OFF DRILL LINE			
REPAIR RIG			4¼
CORING			
WIRE LINE LOGGING			
OTHER	1¼		¼
FISHING			
COMPLETING (A) PERFORATING			
(B) RUNNING TUBING			
(C) SWABBING			
(D) TESTING			
(E) ACIDIZING			
(F) ADDITIONAL			
TOTALS	12		12

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 8

FEET SLIPPED

FEET CUT OFF

PRESENT LENGTH

TON MI. or TRIPS SINCE LAST CUT

CUMULATIVE TON MI. or TRIPS

NO. OF DAYS FROM SPUD 2.

CUMULATIVE ROTATING HRS.

MORNING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD		
1	STANDS DP	91.62 FT	RUN NO.	1A	2
2	SNGLS. DP	61.38 FT.	SIZE	9	9
	D.C. ID		MFG.	HTC	HTC
10	7" OD	314.57 FT.	TYPE	OSC	OWO
	RMR BODY OD	FT.	NOZ. NO.	3	3
	STB BODY OD	FT.	NOZ. SIZE	11/16	11/16
	SUBS OD	FT.	SER. NO.	1117	55206
	BIT OR C.B.	30.7 FT.	DEPTH OUT	415'	
		FT.	CUMULATIVE HOURS RUN	14	6¼
	KELLY DOWN	28.36 FT.	COND. OF BIT	BALD	
	TOTAL	499 FT.	REAMER CUTTER NO.		
WT. OF STRING	42000 LBS.		TYPE		

DRILLER: E. Wilkinson

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
7½		409	499		140	25M 16M	500	6½	70	6½	70	

DEVIATION RECORD:	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION
	415'	2°		471	2½°		471	1½°	

REMARKS

1¼	800 PM - 915	Drilling
2½	915 - 1145	Trip for bit
¾	1145 - 1200	Rig Serv.
1¾	1200 - 145	Drilling
¼	145 - 200	Survey
2½	200 - 230	Drilling
¾	230 - 315	Repair water leak on brakes
1½	315 - 500	Drilling

3 - 345 - 630 Survey
4 - Hook water pump to compound
630 - 800 Drilling

MUD RECORD			
TIME			
WEIGHT			
VISC.	60	50	45
W.L.-C.C.			
FLTR. CK.			
PH			
SD. CONT.			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY 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	NOZ. 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

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
					140	25M 16M	500	6½	70			

DEVIATION RECORD	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION

REMARKS

Note: This sheet and those following will start @ 8:00 pm and end at 8:00 pm the following day. The day on which the sheet ends is noted above ie: Feb 28: This sheet goes from 8:00 pm 2/27 to 8:00 pm 2/28

MUD RECORD			
TIME			
WEIGHT			
VISC.			
W.L.-C.C.			
FLTR. CK			
PH			
SD. CONT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

EVENING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD		
2	STANDS DP	183.95 FT.	RUN NO	2	3
1	SNGLS. DP	29.82 FT	SIZE	9"	9"
	D.C. 2 7/8 ID		MFG	HTC	HTC
10	7" OD	314.57 FT	TYPE	OWC	OSC
	RMR BODY OD	FT	NOZ. NO	3	3
	STB BODY OD	FT	NOZ. SIZE	11/16	11/16
	SUBS OD	3.07 FT	SER NO	5526	1151
	BIT OR C.B	.60 FT	DEPTH OUT	511	
		FT	CUMULATIVE HOURS RUN	8	3½
	KELLY DOWN	41.20 FT.	COND. OF BIT	FAIR.	
	TOTAL	574.31 FT	REAMER CUTTER NO.		
WT OF STRING	48,000	LBS.	TYPE		

DRILLER: S. Silnch

HRS. DRLD	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M	WT ON BIT 1000#	PUMP PRESS	PUMP NO 1 LINER SIZE	PUMP NO 1 S.P.M	PUMP NO 2 LINER SIZE	PUMP NO 2 S.P.M	METHOD PUMPS RUN
					140	15	700	6½	70	6½	70	

DEVIATION RECORD	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION

REMARKS

800	815	Rig Serv.
815	1000	Drilling
1000	1015	Run Survey @ 511 7/8°
1015	1215	Trip for bit #3
1215	143	Drilling
143	330	Work on Rotary Bushings
330	500	Drilling
500	730	Work on Pumps.
730	800	Drilling

MUD RECORD			
TIME			
WEIGHT			
VISC.			
W.L.-C.C.			
FLTR. CK			
PH			
SD. CONT.			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT

C.P.—38 **DAILY DRILLING REPORT** REPORT NO. 7 DATE Feb. 27

OPERATOR	LOCATION LSD. SEC. TWP. RGE. W.	WELL NAME	No.	PROVINCE
		Shell Liard River	2	N.W.T.

CONTRACTOR	RIG NO.	DRILL PIPE STRING NO. SIZE	TOOL JOINT OD / TYPE THD	OPERATOR'S REPRESENTATIVE	CONTRACTOR'S TOOL PUSHER
Shell Oil Company	2		4½ IF	C.D. Paulson.	

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	NATIONAL.	350	18
2.		350	18
3.			

CASING & LINER RECORD	SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	PERFORATIONS FROM	PERFORATIONS TO	CEMENT USED	OTHER

TIME DISTRIBUTION—HOURS

	MORN	DAY	EVE
DRILLING ACTUAL	3/4		
REAMING			
CIRCULATING			
TRIPS			
DEVIATION SURVEY	1/4		
TEST B.O.P.			
CUT OFF DRILL LINE			
REPAIR RIG			
CORING			
WIRE LINE LOGGING			
OTHER	8½		
FISHING			
COMPLETING (A) PERFORATING			
(B) RUNNING TUBING			
(C) SWABBING			
(D) TESTING			
(E) ACIDIZING			
(F) ADDITIONAL			
TOTALS	13.		

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.

MORNING TOUR

NO.	DRILLING ASSEMBLY			BIT RECORD	
	STANDS DP		FT	RUN NO.	1
2	SNGLS. DP		60.92 FT.	SIZE	9"
	D.C.	2 7/8 ID		MFG.	HTC.
10		7" OD	314.57 FT.	TYPE	65C
	RMR BODY	OD	FT	NOZ. NO.	3
	STB BODY	OD	FT.	NOZ. SIZE	11/16
	SUBS	OD	3.07 FT.	SER. NO.	1167
	BIT OR C.B.		.60 FT.	DEPTH OUT	
			FT.	CUMULATIVE HOURS RUN	10½
	KELLY DOWN		20 FT.	COND. OF BIT	
	TOTAL		909.36 FT.	REAMER CUTTER NO.	
	WT. OF STRING		45,000 LBS.	TYPE	

DRILLER S. Silnuch

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
					180	20	500	6½	70	6½	70	

DEVIATION RECORD: DEPTH 264 DEV 1° DIRECTION | DEPTH | DEV | DIRECTION | DEPTH | DEV | DIRECTION

REMARKS
8:00 8:15 am Rig Serv.
8:15 10:15 Reamed 30' of (Cond). Mud.
10:15 10:30 Run Survey @ 264 1°
10:30 12:00 Changed Rotary Drive Sprocket.
12:00 12:30 Drilling. 12:30 4:15 Work on Rotary Table
4:15 5:15 Ream & (Cond) Mud.
5:15 8:00 Drilling.

MUD RECORD

TIME	10:00	4:00	8:00
WEIGHT			
VISC.	40	100	120
W.L.-C.C.			
FLTR. CK.			
PH			
SD. CONT.			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel.	400#		
Cement	300#		
Water			

DAY 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	NOZ. 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

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN

DEVIATION RECORD: DEPTH | DEV | DIRECTION | DEPTH | DEV | DIRECTION | DEPTH | DEV | DIRECTION

REMARKS

MUD RECORD

TIME			
WEIGHT			
VISC.			
W.L.-C.C.			
FLTR. CK			
PH			
SD. CONT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

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	NOZ. 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

HRS. DRLD	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M	WT. ON BIT 1000#	PUMP PRESS	PUMP NO 1 LINER SIZE	PUMP NO 1 S.P.M	PUMP NO 2 LINER SIZE	PUMP NO 2 S.P.M	METHOD PUMPS RUN

DEVIATION RECORD: DEPTH | DEV | DIRECTION | DEPTH | DEV | DIRECTION | DEPTH | DEV | DIRECTION

REMARKS

MUD RECORD

TIME			
WEIGHT			
VISC.			
W.L.-C.C.			
FLTR. CK			
PH			
SD. CONT.			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT

Hour which started work @ 7 2:00 pm reported on following page. [illegible]

C.P.—38 **DAILY DRILLING REPORT** REPORT NO. 1 DATE Feb. 26/59

OPERATOR	LOCATION LSD. SEC. TWP. RGE. W.	WELL NAME	No.	PROVINCE
		Shell Liard River	2.	NWT

CONTRACTOR	RIG NO.	DRILL PIPE STRING NO. SIZE	TOOL JOINT OD / TYPE THD
Shell Oil Company			

OPERATOR'S REPRESENTATIVE: C.O. Paulson

CONTRACTOR'S TOOL PUSHER:

PUMPS

NO.	MANUFACTURER	TYPE	STROKE LENGTH
1.	NATIONAL	C350	18
2.	NATIONAL	C350	18
3.			

CASING & LINER RECORD	SIZE	WT & GR.	DEPTH SET FROM	DEPTH SET TO	PERFORATIONS FROM	PERFORATIONS TO	CEMENT USED	OTHER

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 8 SIZE 1/4

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. 7 1/4

MORNING 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.	NOZ. NO.	
	STB BODY OD	FT.	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

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN

DEVIATION RECORD:	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION

REMARKS

MUD RECORD

TIME			
WEIGHT			
VISC.			
W.L.-C.C.			
FLTR. CK.			
PH			
SD. CONT.			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	RUN NO	1A
	SNGLS. DP	FT.	SIZE	9"
	D.C. ID		MFG	HTC
	OD	FT	TYPE	65C
	RMR BODY OD	FT	NOZ. NO.	3
	STB BODY OD	FT	SIZE	11/16
	SUBS OD	FT	SER. NO	1167
	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 S. Silurch

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN

DEVIATION RECORD:	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION

REMARKS

8^00 – 2^00 Rigging up. & Preparing To Spud.
2^00 – 4^00 Drilled Rat Hole & Set Same.
4^00 – 8^00 Work on Pumps. Air Lines &.
Picked up 1 DC.

MUD RECORD

TIME			
WEIGHT			
VISC.			
W.L.-C.C.			
FLTR. CK			
PH			
SD. CONT			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

EVENING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	
	STANDS DP	FT.	RUN NO	1A
	SNGLS. DP	FT	SIZE	9"
7	D.C. ID 7" OD	220.22 FT	MFG	HTC
			TYPE	OSC
	RMR BODY OD	FT	NOZ. NO	3
	STB BODY OD	FT	SIZE	11/16
	SUBS OD	3.07 FT	SER. NO	1167
	BIT OR C.B	FT	DEPTH OUT	
		FT	CUMULATIVE HOURS RUN	7 1/4
	KELLY DOWN	41.20 FT.	COND. OF BIT	
	TOTAL	264.00 FT	REAMER CUTTER NO.	
WT OF STRING		33 000 LBS.	TYPE	

DRILLER L. W. Karper

HRS. DRLD.	CORE NO.	FROM	TO	FORMATION (SHOW CORE RECOVERY)	ROTARY R.P.M	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD PUMPS RUN
7 1/4		0	264		175		400	6 1/2		6 1/2		

DEVIATION RECORD:	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION
	100	6°		170	1/4°	–			

REMARKS

2 3/4 8^00 PM – 10^45 Drilling. Spud in 9:30 pm.
10^45 – 12^00 Work on Pump, Change Air Chamber
Rig up Halliburton Line, Survey
12^00 – 12^15 Rig Svc
1 3/4 12^15 – 2^00 Drilling
2^00 – 2^15 Survey
1 1/2 2^15 – 3^45 Drilling
3^45 – 5^45 Inj Gravel / Mix Gel, Change Shaker Screens
5^45 – 7^00 Drilling
7^00 – 8^00 Hole Caving
Mix Gel

MUD RECORD

TIME			
WEIGHT			
VISC.	WATER	30	
W.L.-C.C.			
FLTR. CK			
PH			
SD. CONT.			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT
Gel	7400		