Drilling Authority No. 425

Date Issued 18 February 1970

WELL NAME HB Great Plains Simpson D-25

FIELD ..... Area: .....

LOCATION: Unit D Section 25 Grid 61-20-121-45

Latitude 61-14-0.86 Longitude 121-50-24.45

U.E.L.R. 61.23357 — 121.84013

U.W.I. 300D256120121450

Rig Release Date: .....

Status .....

Information Release Date: .....

CHANGE OF NAME:

DATE RECEIVED	INDEX
18/2/70	Application for a Drilling Authority.
	Well Completion Data.
	Well History Report.
	Application to Amend a Drilling Authority.
	Application to change a Well Name.
12/8/70	Application to Abandon a Well or Suspend Drilling.
	Application to Alter Condition of a Well.
	Well History Supplement.
7/7/70.	Well Completion Data.
	Work-over Report No. .....
	Application to Commingle Production before Measurement.
	Data for Back Pressure Test on Natural Gas Wells — Monograph 7 Method.
	Data for Back Pressure Test on Natural Gas Wells — Vitter's Method.
	M.P.R. — Oil — Calculations.
	New Oil Well Report.
	New Gas Well Report.
	Well Inspection Report.
	Rig Inspection Report.
	Battery Inspection Report.
	Equipment Report.
	Well Card.
	New Service Well Report.
	Monthly Water Flood Operations Report
	Monthly Water Receipts and Disposal of Fluids Report
	Logs Large scale ..... Small scale .....

LAND 5290 (3-69)

File No.
Drilling Authority No. 425

DEPARTMENT OF NORTHERN AFFAIRS AND NATIONAL RESOURCES
RESOURCES DIVISION

Application to Abandon a Well or Suspend Drilling

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

Name and number of well HB Great Plains Simpson D-25

Location: Unit D Section 25 Grid 61° 20'N 121° 45'W

Latitude 61° 14' 0.86"N Longitude 121° 50' 24.45"W

From Established Reference Marker 330 feet North of SP 1415

Universal Well Location Reference: Lat. 61.23357°N, Long. 121.84013°

Permit No. 4303 (N.W.T.) Lease No.

Great Plains Oil & Gas Ltd.
Security Freehold Petroleum Ltd.
(Permittee, Licensee, Lessee)

Date of commencement of proposed programme March 11, 1970

OIL, GAS, AND WATER ENCOUNTERED
(Depths)

Oil at

Gas at

Water at

Total Depth 3432 feet KB Date of last operations March 11, 1970

Present condition of well Dry and abandoned

CASING RECORD

Casing Size O.D. Inches	Weight	Amount	Set At—	Sack of Cement	Method	Amount Pulled
1. 10¾"	32.75	582 feet	580 feet KB	540		
2.						
3.						
4.						
5.						

PROPOSED ABANDONMENT PROGRAMME

No.	Plug Position - KB	Geological Formation	Number of Sacks of Cement	Remarks
1	3432 - 3100	Cambrian, Arnica, Alandra	138	Not felt C.
2	630 - 530	" "	70	Felt at 520' KB
	At surface	" "	5	Weld on plate and erect identification marker.

The following logs have been run IES, BHCS, SNP, FDC, Porosity Lithology, Continuous Dipmeter

Other operations proposed

Operations to be carried out by General Petroleums Contractor Licence No. 0706

Address 3604 - 8th St. S.E. Calgary

Responsible Agent in field N. Dease Address 11630 Kingsway Ave. Edmonton

Dated at Edmonton this 4th Day of August 19 70

Signed by [redacted]

Title District Engineer Company Hudson's Bay Oil & Gas Co. Ltd.

Exploratory Licence No. 1268

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

(For RESOURCES DIVISION use only)

APPROVAL

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

Confirming oral approval given by Mr. G. E. Blue on the 9th March 1970.

Dated 12th August 19 70

[redacted]

NANR 52-90 (5) (1-61) *Forms to be submitted in triplicate to Oil Conservation Engineer, Calgary, Alberta*

Drilling Authority No. 425

Date Issued Feb. 18/70

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
OIL AND MINERAL DIVISION

WELL COMPLETION DATA

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

Well name and number HB Great Plains Simpson D-25

Permit No. 4303 (INFT) Lease No.

Great Plains Oil & Gas Ltd. Security Freehold Petroleums Ltd. Exploratory Licence No. 1372 & 1690
(Permittee, Licensee, Lessee)

Hudson's Bay Oil & Gas Co. Ltd. Exploratory Licence No. 1268
(Operator)

Location: Unit D Section 25 Grid 61°20'M 121°45'M

Latitude 61°14' 0.96"N Longitude 121°50' 24.45"W

Unique well identifier 300 D 256120121450

Universal Well Location Reference 61.23357°N Lat. 121.84013°W Long.

Pool(s) Bome, Chinchaga

Interval(s) open to production Bome

Plugged back to surface.

	DATE	DEPTH
Spudded	Feb 25/70	
Suspended		
Resumed Operations		
Finished Drilling	March 7/70	3432 ft KB
Deepened		
Complete (gas/oil)		
Abandoned	March 11/70	PB to surface
Rig released	March 11/70	PB to surface

Elevation: Gr. 915 ft. K.B. 929.3 ft.

Rig No. 12

Drilling Contractor General Petroleums Drlg.Co. Ltd.

Contractor's Business Licence No. 706

CASING RECORD

	Casing Size (inches)	Grade	Weight	Amount	Set at	Sacks of Cement and Additives
1.	10 3/4	H-40	32.75#	582ft	580 ft KB	540 sacks of Type A Construction Cement plus 2% $CaCl_2$ Good returns
2.						
3.						
4.						
5.						
6.						

GEOLOGICAL TOPS	ELEVATION	
	Depths	Sub-Sea
Horn River	2700	-1771
Bome	2855	-1926
Alaudra	3241	-2312
Arnica	3280	-2351
Cambrian	3372	-2443
Total Depth	3432	-2503

CORE RECORD

From	To	Rec.	From	To	Rec.
No cores were cut.					

LOG RECORD

Run No.	Type of Log	From	To
1	Induction Electrical	3432	580
1	BHC Sonic Gamma	3431	580
1	Formation Density	3431	2700
1	Sidewall Neutron Porosity	3431	2700
1	Porosity Lithology	3431	2700
1	Continuous Dipmeter	3430	2600

CEMENTING RECORD (Plug, Squeeze, etc.)

Date	From	To	Remarks
Abandonment Plugs Approved			
Mar 10/70	3432 ft KB	3100	Cement 130 sacks Not felt
Mar 10/70	630 ft KB	530	Cement 70 sacks + 2% CaCl, Felt at 530 ft KB
Mar 11/70	Ran a five sack plug in the top of the casing and welded a steel plate across casing stub.		

PERFORATING RECORD (Bullet, Jet)

Date	From	To	Remarks
		NONE	

SERVICING RECORD (Acidizing, Fracing, etc.)

Date	From	To	Remarks
		NONE	

DRILL STEM TESTS

No.	Date	Formation	From	To	O. Mins.	I.S.I. Mins.	F.S.I. Mins.	I.S.I.B.H.P.	F.S.I.B.H.P.	I.F.B.H.P.	F.F.B.H.P.	I.H.P.	F.H.P.	REMARKS
1	Mar 7/70	Hume	3160	3200	30	30	30	29	29	29	129	1662	1643	Weak air blow on preflow. No blow on final flow. No gas and no recovery.
2	Mar 10/70	Pre Devonian	3245	3432	30	30	30	1410	1407	96	188	1666	1630	Fair blow on preflow. Good steady blow on fluid flow. No gas. Recovered 185 ft. of drilling mud.

ANALYSIS

Lab. No.	Sample	From	To	Source	Remarks
	NONE				

PRESENT STATUS OF WELL

Oil ..... (Interval)

Gas ..... (Interval)

Dry ... and abandoned

Susp. ...

Company Hudson's Bay Oil & Gas Co. Ltd.

Signed by D.A. Morgan P. Eng

Title District Engineer

Date July 7/70

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

80 70 60 50 40 30 20 10

79 9

78 8

77 7

76 6

75 5

74 4

73 3

72 2

71 61 51 41 31 21 11 1

61

121°45'

239°-37'
1149.2'

132°-23'-30"
2425.2'

113°-22'-30"
2425.2'

NOT C-3

178°-59'-30"
320'

Ea Unload

178°-59'-30"
4169.6'

178°-30'-30"
6674.5'

178°-36'-30"
1102.1'

178°-46'-30"
773.5'

10 miles to
Simpson trail

D-23 well

Unit D

Sec. 25

D-25 (NW)

D-25 (3 NW)

D-25 well

1376.46

1376.65

89° 00' 30"

269° 00' 50"

N 89° 50' 45" E

S 89° 50' 45" E

N 0° 09' 30" W

S 0° 09' 30" E

N 0° 09' 10" W

S 0° 09' 10" E

61.20'

61.10'

12½'±

Scale: 1 inch = 200 feet

Note: Details are not to scale.

Sta. 3

Sta. 2

(Tripod)

200'

260° 30' 38"

80° 30' 38"

4" Birch

36.1

284° 00'

95.3'

337.00'

S 43° 17' 30" W 120.60'

S 43° 17' 30" E 120.60'

S.P. 1413 (El: 913.5')

S.P. 1414 (El: 916.4')

D-25 well (El: 915.2')

S.P. 1415 (El: 917.5')

S.P. 1416 (El: 920.6')

1376.46'

S 0° 09' 10" E 1376.46'

S 0° 09' 10" E 1376.46'

S 0° 09' 10" E

121°30'00"E

61° 18' 15"
D-35 (NE)

25

1320.00'

1323.26'

61° 14'
D-15 (S.E.)

50"

Legend

Monuments found are shown thus ●
½" x 12" iron bars planted are shown thus ⁝

Note

Bearings are astronomic and are referred to longitude 123° W and derived from Star observation at monument 68-C-31 and at Well Location.

D-25 Well is located 747' North and 739.4' West of the SE cor. of unit D (Lat. 61°23'57" N., Long. 121°40'13" W.)
(Lat. 61° 14' 00.6603" N, Long. - 121° 50' 24.4548" W.)

Ground Elevation referred to ground at S.P. 1414 (Ass'd 916.0')

Hudson's Bay Oil and Gas Company Limited

Plan

of survey of

"HB Great Plains Simpson D-25"

in Unit D-25, 61° 20', 121° 45'

Northwest Territories

Scale: 1 Inch = 5000 feet

Surveyed: February 3rd to 7th 1970

Ground Elev.: 915.2'

DEPT. OF INDIAN AFFAIRS & NORTHERN DEVELOPMENT
OIL & MINERAL DIVISION
MAY 4 1970
CALGARY 2, ALBERTA
Oil & Gas Conservation Engineer
Northwest Territories & Yukon Territory

S.P. 1413 (El: 913.5')

S.P. 1414 (El: Ass'd 916.0')

D-25 Well (El: 915.2')

S.P. 1415 (El: 917.5')

S.P. 1416 (El: 920.6')

I, L.O. Olsen, Dominion Land Surveyor, hereby certify that the survey represented by this plan has been made under my personal supervision and is true and correct to the best of my knowledge and belief and was completed on the 7th day of February, 1970.

For: Hudson's Bay Oil and Gas Company Limited

L.O. Olsen
Dominion Land Surveyor

Witness

Hamilton & Olsen Surveys Ltd.
Edmonton Alberta
W.S. 5090, H.L.O. 195-56150, 634-72

Drilling Authority No. 425
Project No.
File No.

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

Application for a Drilling Authority

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

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

Name and number of well: **BB Great Plains Simpson D-25**

Location: Unit **D** Section **25**

Latitude **61° 14' 0.86" N** Grid **61° 20' N 121° 45' W.**
Longitude **121° 50' 24.45" W.**

From Established Reference Marker: **From existing seismic lines.**

Universal Well Location Reference: **Lat. 61.23357 N Long. 121.84013 W.**

Elevation: Ground **915** K.B. **to follow** feet above sea-level.

Well is expected to produce from **Hume Reef, Chinchaga or Pre-Devonian** formation at a depth of about **2700, 3200, 3450** feet. Expected total final depth **3550' Pre-Devonian**

Area assigned to well

(For Oil Conservation Engineer's use only)

Permit No. **4303** Lease No. Acreage **61,590**

Permittee, licensee, or lessee **Great Plains Oil & Gas Ltd., Security Freehold Petroleum Limited.**

Exploratory Licence No.

Surface owned by Crown or **Crown**

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

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

Casing Size O.D. (Inches)	Weight (Lbs./Ft.)	Grade	New or Used	Estimated Depth	Sacks of Cement
1. 10-3/4"	32.75	H-40	New	600'	Sufficient cement
2.					volume plus 2%
3.					CaCl2 to return to
4.					surface.
5.					

Expected water, gas, and oil horizons and type of control equipment: **Anticipated production horizon will be from the Hume Reef, Chinchaga or Pre-Devonian. Control equipment will consist of proper drilling fluid and adequate blowout prevention equipment, consisting of G.P. #12, Double Gate Shaffer & 10" 900 series Hydril.**

Well will be drilled with Rotary Rig No. **12** by **General Petroleums Drilling Co. Ltd.** (Drilling Contractor or company)

Responsible agent of applicant:—

At well **M. Dease** Contractor's Business Licence No. **0706**

Address **11630 Kingsway Ave** At registered office **R.L. Levesque**

Address **11630 Kingsway Avenue, Edmonton, Alta.**

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

Dated at **Edmonton** this **17** day of **February** 19**70**

Signed by **(Original Signed) R.L. Oil** Company **Hudson's Bay Oil & Gas Company Ltd.**

Title **District Superintendent** Operator's Licence No. **1268**

(For Resource Management Division use only)

APPROVED

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

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

Dated **18th February** 19**70** Please see over page:—

Oil Conservation Engineer

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

IAND 52-90-1 (3-67)

UNIQUE WELL IDENTIFIER = 300D256120120450

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

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

4. This Drilling Authority is being issued contingent upon registration of the permittees, Great Plains Oil & Gas Ltd. and Security Freehold Petroleum Limited with the Registrar of Companies of the Northwest Territories and the receipt by them of an Oil and Gas Exploratory Licence for the fiscal year 1969-1970.

5. Production and intermediate casing strings are to be approved by the Oil Conservation Engineer.

B.H.J. Thoms, Oil Conservation Engineer

61° 20'

40

10

D25
Measure 400'x400'
Location 330' N of BP1405

Proposed H.B. Trail (Existing Seismic Line)

30'

ROAD

WINTER R

31

1

61° 10'

121° 52.5'

121° 45'

121° 30'

121° 15'

ELEV. 915 ft.

COORDINATES — 61° 14' 0.86" Lat.
121° 50' 24.45" Long.

U.W.I.L.R. — 61.23357 N Lat.
121.84013 W Long.

HUDSON'S BAY OIL AND GAS COMPANY LIMITED

D. Shelly

HUDSON'S BAY OIL AND GAS COMPANY LIMITED

Production Dept. Edmonton District

H.B. GREAT PLAINS SIMPSON
D 25
PROPOSED TRAIL AND WELLSITE
REFERENCE 61° 20' 121° 45' W

Scale 1" = 2 mi.	Dwn by M.R.	
Date Jan. 9/70		

HUDSON'S BAY OIL & GAS CO. LTD.

WELL HISTORY REPORT

HB GREAT PLAINS SIMPSON D-25

HUDSON'S BAY OIL & GAS COMPANY LIMITED

WELL HISTORY REPORT

HB GREAT PLAINS SIMPSON

D-25

OIL & GAS OPERATIONS UNIT
Oil and Mineral Division
AUG 17 1970
OTTAWA, CANADA
Dept. of Indian Affairs & Northern Development

SIGNED: S. Simpson

DISTRICT ENGINEER

DATE: July 8/70

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SECTION V	ANALYSIS	7
SECTION VI	COMPLETION SUMMARY	7

HB GREAT PLAINS SIMPSON D-25
WELL HISTORY REPORT

SECTION I - SUMMARY OF WELL DATA

a) Well Name and Number: HB Great Plains Simpson D-25

b) Permittee, Licensee or Lessee: Great Plains Oil & Gas Ltd.
Security Freehold Petroleum Ltd.

c) Name of Operator: Hudson's Bay Oil & Gas Co. Ltd.
11630 Kingsway Avenue
Edmonton 25, Alberta.

d) Location: Unit D, Section 25, Grid 61°20'N, 121°45'W
Latitude - 61°14' 0.86"N
Longitude - 121°50' 24.45"W

e) Co-ordinates: (1) 330 feet North of SP 1415
(2) Universal Well Location Reference:
Latitude 61.23357°N
Longitude 121.84013°W
(3) Unique Well Identifier - 300D256120121450

f) Permit No.: 4303 (N.W.T.)

g) Drilling Contractor: General Petroleums Drilling Co. Ltd.
Rig No. 12

h) Drilling Authority: No. 425 issued 18th February 1970

i) Classification: Exploratory

j) Elevations: Ground 915 feet
KB 929.3 feet

k) Spudded: February 25, 1970

l) Drilling Completed: March 7, 1970

m) Total Depth: 3432 feet KB
Plug Back Depth: To surface

n) Well Status: Abandoned

o) Rig Released: March 11, 1970

p) Hole Size: Surface - 15 inches Surf to 580 feet KB
Final - 8 3/4 inches 580 to 3432 feet KB

q) Casing: Surface - 10 3/4 inch OD, H-40, 32.75 lb.
Set at 580 feet KB

B-2. GREAT PLAINS SYNDICATE C-25

61° 30' N. 121° 45' W.

Note: Sample not lagged.
Samples from 1100' to 2000' taken every 30' (not retained).
Samples from 2000' to T.D. taken every 10' (retained).

1100 - 1220	80%-90%	Light gray, silty in part, micreous shale.
	10%-20%	Siltstone, argillaceous, light to medium brown, glauc.
1220 - 1310	95%	Shale, as above.
	5%	Siltstone, as above.
1310 - 1400	100%	Shale, as above. Trace limestone, dark brown, non-skeletal, lime mud.
1400 - 1550	95%	Shale, light gray, trace of calcareous shale.
	5%	Siltstone.
1550 - 2000	95%-99%	Shale, light gray.
	1% - 5%	Limestone, lime mud, non skeletal particles in part.
2000 - 2050	99%	Shale, light gray, slightly calcareous.
	1%	Siltstone, glauconitic, argillaceous.
2050 - 2300	99%	Shale, light to medium gray, slightly calcareous.
	1%	Trace of limestone and siltstone.
2300 - 2350	99%	Shale, as above.
	1%	Siltstone, as above.
2350 - 2510	98%	Shale, as above.
	2%	Trace of limestone and siltstone.
2510 - 2610	94%	Shale, light to medium gray, micreous, slightly calcareous.
	5%	Siltstone, light grey, glauconitic, argillaceous, trace of calcareous cement.
	1%	Trace of lime mud.
2610 - 2700	97%-100%	Shale, as above.
	3% - 0%	Siltstone, as above.
2700 - 2740	98%	Shale, medium gray to black, micreous.
	2%	Limestone.
2740 - 2850	100%	Shale, as above.
2850 - 2910	100%	Limestone, light to medium brown, crypto-micro-xln, biomicrite, bituminous, crinoids, shell fragments.
2910 - 2990	100%	Limestone, crypto-xln., trace shell fragments, 5% non-skeletal particles.

2990 - 3120	100%	Limestone, crypto-xln, 5% pellets and skeletal particles.
3120 - 3140	90%	Limestone, crypto-xln., skeletal fragments.
	10%	Shale, light to medium green, bituminous streaks.
3140 - 3160	15%-50%	Limestone, crypto-xln.
	85%-50%	Shale, as above.
3160 - 3170	70%	Limestone, crypto-xln.
	25%	Shale, as above.
	5%	Light gray, calcareous, siltstone.
3170 - 3190	30%	Limestone, light to medium brown, crypto-xln., minor skeletal fragments in part.
	65%	Green shale.
	5%	Siltstone, calcareous.
3190 - 3120	35%	Limestone, light to medium brown, crypto-xln., minor non-skeletal particles.
	65%	Green shale, trace pyrite.
3120 - 3160	50%	Limestone, as above.
	50%	Shale, as above.
3160 - 3230	90%	Limestone, crypto-micro-xln., 10%-45% non-skeletal particles, trace pyrite.
	10%	Gray green shale, pyrite, trace residual oil, apple green shales at the base.
3230 - 3270	25%	Limestone, crypto-xln., white to light brown, trace dolomite.
	75%	Shale, dark gray.
3270 - 3280	50%	Limestone, as above.
	50%	Shale, slightly dolomitic.
3280 - 3300	60%	Dolomite, micro-xln., white to light brown.
	10%	Limestone, crypto-xln.
	30%	Shale, as above.
3300 - 3370	100%	Dolomite, micro-crypto-xln., light brown, faint stain. Residual oil.
3370 - 3418	100%	Sandstone, very fine to medium grained, silica cement, sub angular to subrounded.

Submitted by:

J. HORNING

JH:ls

March 10, 1970

SECTION II - GEOLOGICAL SUMMARY

a) Formation Tops:

Marker	Log Depth Feet KB	Subsea	Sample Depth Feet KB	Subsea
Horn River	2700	-1771	-	-
Hume	2855	-1926	2850	-1921
Alandra	3241	-2312	-	-
Arnica	3280	-2351	3265	-2336
Cambrian	3372	-2443	3364	-2455
TOTAL DEPTH	3432	-2503	-	-

b) Cored Intervals: No cores were cut.

SECTION III - ENGINEERING SUMMARY

c) Report of Drill Stem Tests:

3 copies of each DST #1 and # 2 were sent to your Calgary office on April 22, 1970.

Chronological Summary of Drill Stem Tests
(Pressure Recorder Readings)

	DST #1 March 7/70	DST #2 March 10/70
Formation	Hume	Pre-Devonian
Interval (Feet KB)	3160-3200	3245-3432
Initial Flow Time (mins.)	5	5
Initial Shut in Time (Mins)	30	30
Final Flow Time (Mins.)	30	30
Final Shut-in Time (Mins.)	30	30
Initial Hydrostatic Press. (Psi)	1662	1666
Initial Shut-in Press. (Psi)	29	1410
Initial Flow Press. (Psi)	29	96
Final Flow Press. (Psi)	29	188
Final Shut-in Press. (Psi)	29	1407
Final Hydrostatic Press. (Psi)	1643	1630

Flow Rate and Remarks:

DST #1 - Weak blow on preflow, holding steady. No blow on final flow. No gas.

DST #2 - Fair blow on preflow, approximately 2 feet below water level in pail. Good steady blow on final flow. No gas.

Pipe Recovery and Remarks:

DST #1 - No recovery

DST #2 - 185 feet of drilling mud

b) Casing Record:

Casing Size inches	Grade	Weight (lb/ft)	Amount feet	Set at feet KB	Cement and additives
10 3/4	H-40	32.75	581.87	580	540 sacks of type A Const. cement plus 2% $CaCl_2$

c) Bit Record:

No.	Serial Number	Type	Size inches	Hours Run	Depth In	Depth Out	Footage	Make
1A	12037	OSC3	15	16½	Surf.	433	422	Hughes
2A	16199	OSC3	8 3/4	4½	433	494	61	Hughes
3ARR	2038	OSC3	15	10	422	580	158	Hughes
1	20985	X3A	8 3/4	27½	580	2515	1935	"
2	19767	XIG	8 3/4	27½	2515	3138	623	"
3	3118	XV	8 3/4	18	3138	3323	185	"
4	10408	X7	8 3/4	6 3/4	3323	3368	45	"
5	13515	ODV	8 3/4	1	3368	3373	5	"
6	20806	X55R	8 3/4	11 3/4	3373	3432	59	"

d) Mud Report:

The mud system contained the following:

Gel	20,000 lbs
Soda Ash	400 lbs
CMC	350 lbs
Caustic	100 lbs
Benex	46½ lbs
Lime	40 lbs

e) Deviation Record:

Depth (Feet KB)	Deviation (Degrees)
179	3/4
334	1/4
487	1/8
560	1/8
891	1
1200	2
1300	2 1/2
1365	2
1553	2
1737	2
2050	2 1/4
2500	1 1/2
3100	1 1/2
3320	1 1/4
3382	2 1/8

f) Abandonment Plugs

Plug No.	Date	Interval (feet KB)	Amount of Cement used	Depth at which Plug Felt
1	Mar.10/70	3432-3100	138 sacks	Not felt
2	Mar.10/70	630-530	70 sacks + 2% $CaCl_2$	520

On March 11, 1970 the surface casing was cut off 3 feet below ground level and a 5 sack plug was cemented in the top of the casing. A steel plate was welded across the casing stub, and the appropriate identification sign placed on the plate.

g) Lost Circulation Zones:

- None reported.

h) Report of Blowouts:

None

SECTION IV - LOGS

Three copies of each of the logs below were sent to your Calgary office on April 22, 1970.

Date	Run No.	Interval (Ft. KB)	Type	Scale
March 8/70	1	3432-580	Induction Electrical Log	2"
"	1	3432-2700	Induction Electrical Log	5"
"	1	3431-580	Borehole Compensated Sonic Log	2"
"	1	3431-2700	Borehole Compensated Sonic Log	5"
"	1	3431-2700	Formation Density Log	2"
March 8/70	1	3431-2700	Sidewall Neutron Porosity Log	2"
"	1	3431-2700	Sidewall Neutron Porosity Log	5"
March 8/70	1	3431-2700	Porosity Lithology	5"
"	1	3430-2600	Continuous Dipmeter	5"

NOTE: All the above logs were run by Schlumberger.

SECTION V - ANALYSIS

a) Core Analysis: No cores cut

b) Water Analysis: None conducted

c) Gas Analysis: None conducted

d) Oil Analysis: None conducted.

SECTION VI COMPLETION SUMMARY

a) Tubing Record: None run

b) Perforation Record: None

c) Cementation Record:

Plug No.	Date	Interval (feet KB)	Amount of Cement Used	Depth at which Plug Felt
1	Mar.10/70	3432-3100	138 sacks	Not felt
2	Mar.10/70	630-530	70 sacks + 2% $CaCl_2$	520

On March 11, 1970, the surface casing was cut off 3 feet below ground level and a 5 sack plug was cemented in the top of the casing. A steel plate was welded across the casing stub, and the appropriate identification sign placed on the plate.

d) Acidization and Fracturing Record:

No stimulations performed.

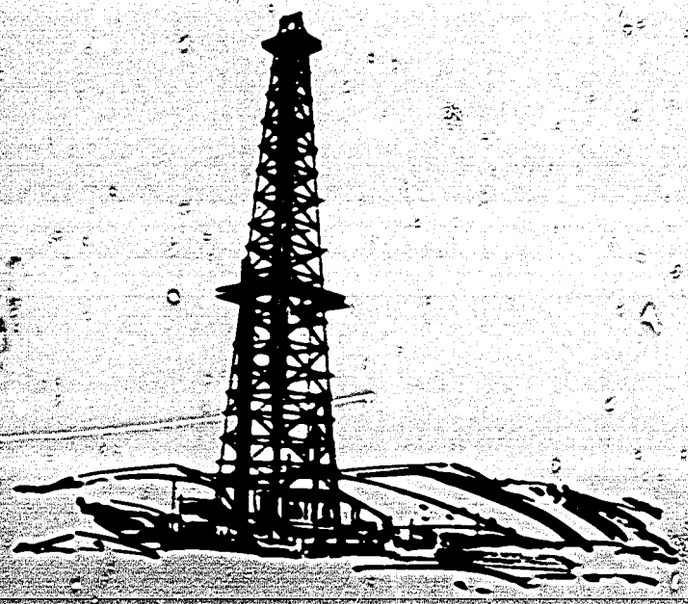
e) Back Pressure and Production Tests:

None conducted.

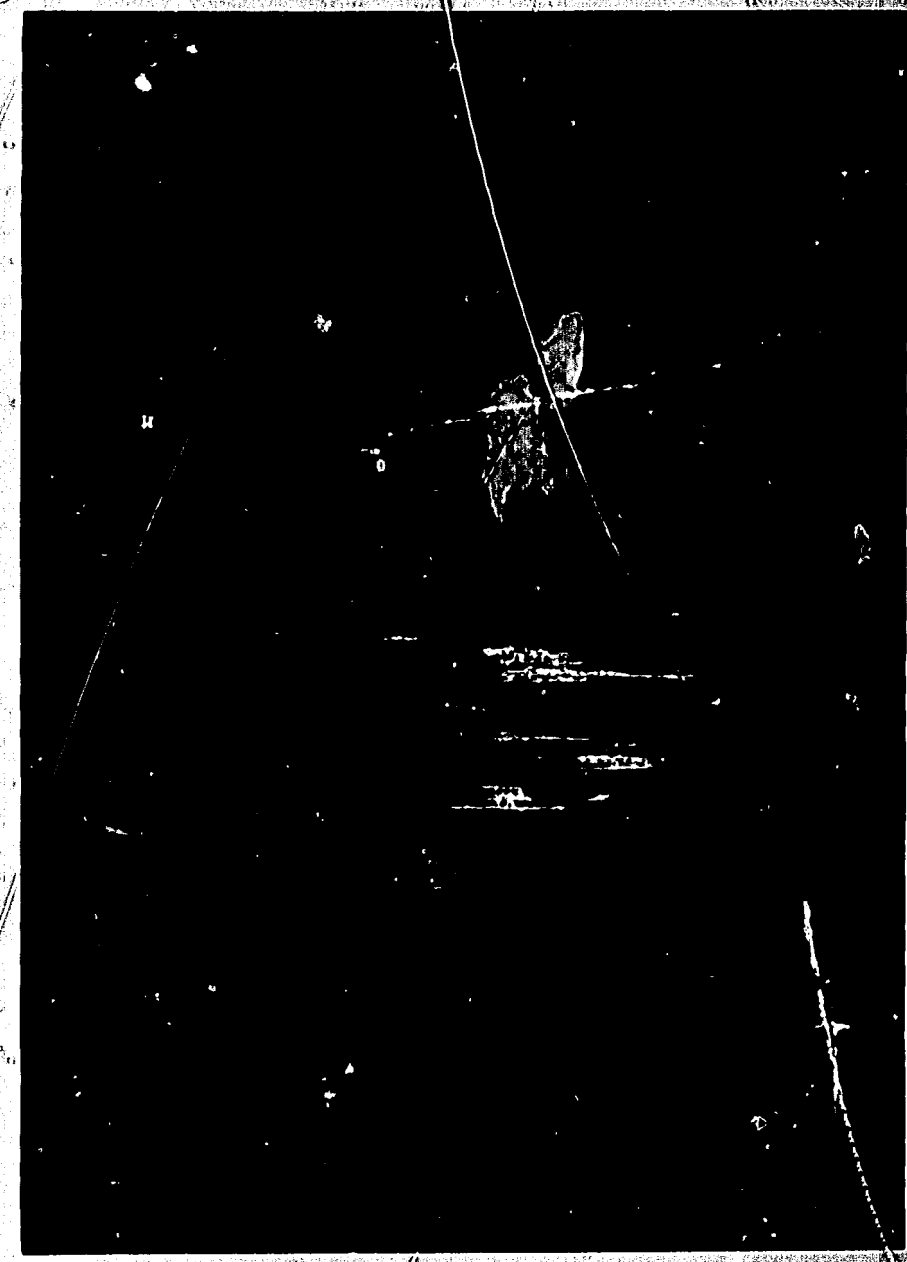
LYNES

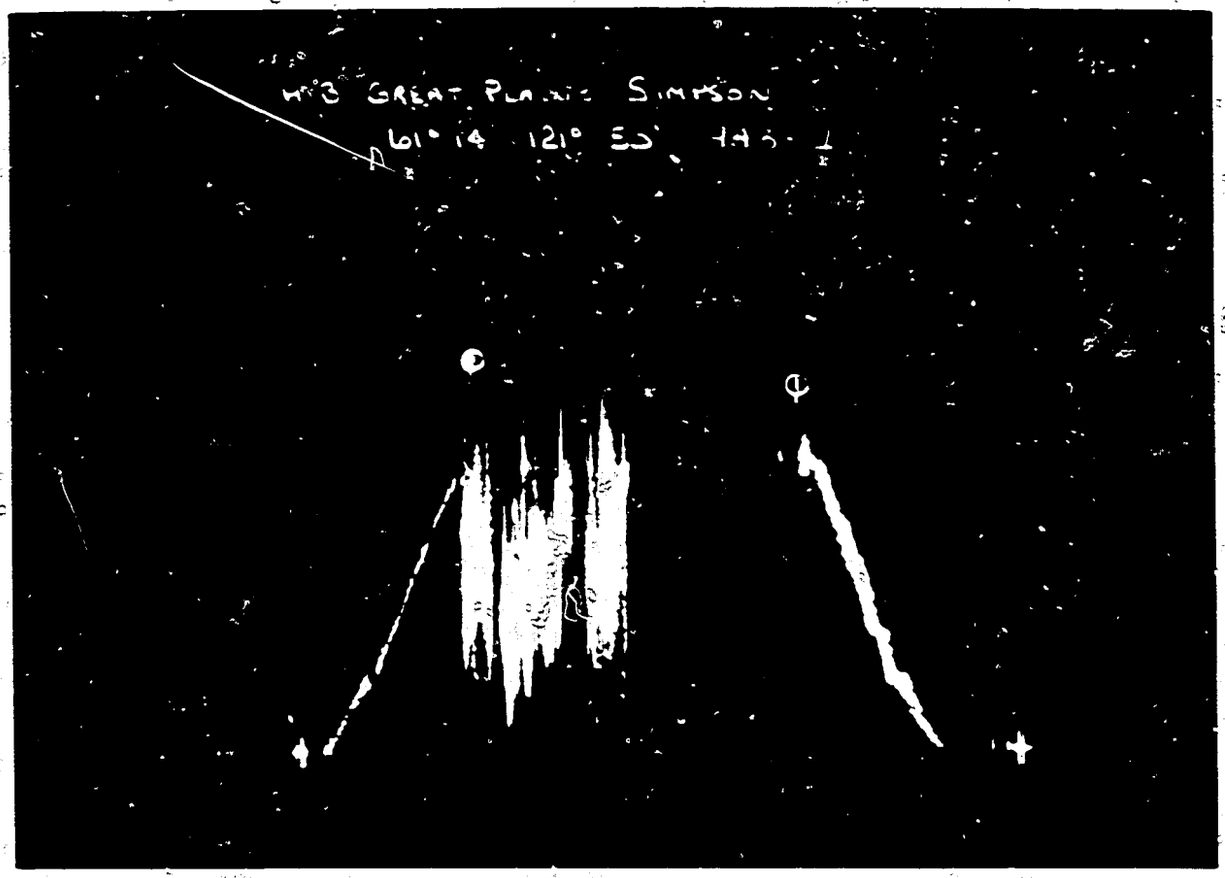
BRIGHT NAME IN THE OIL PATCH

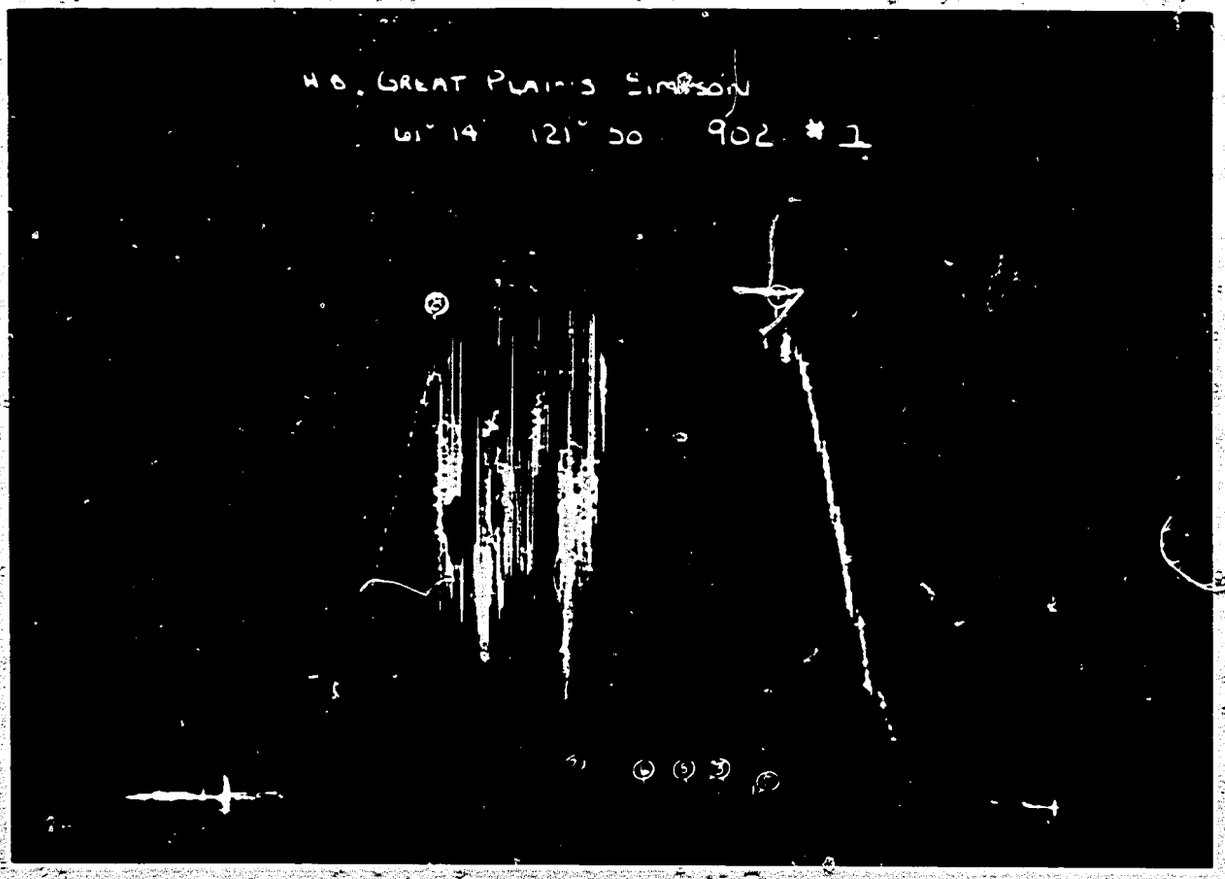
Inflatable and Conventional Packer Tools

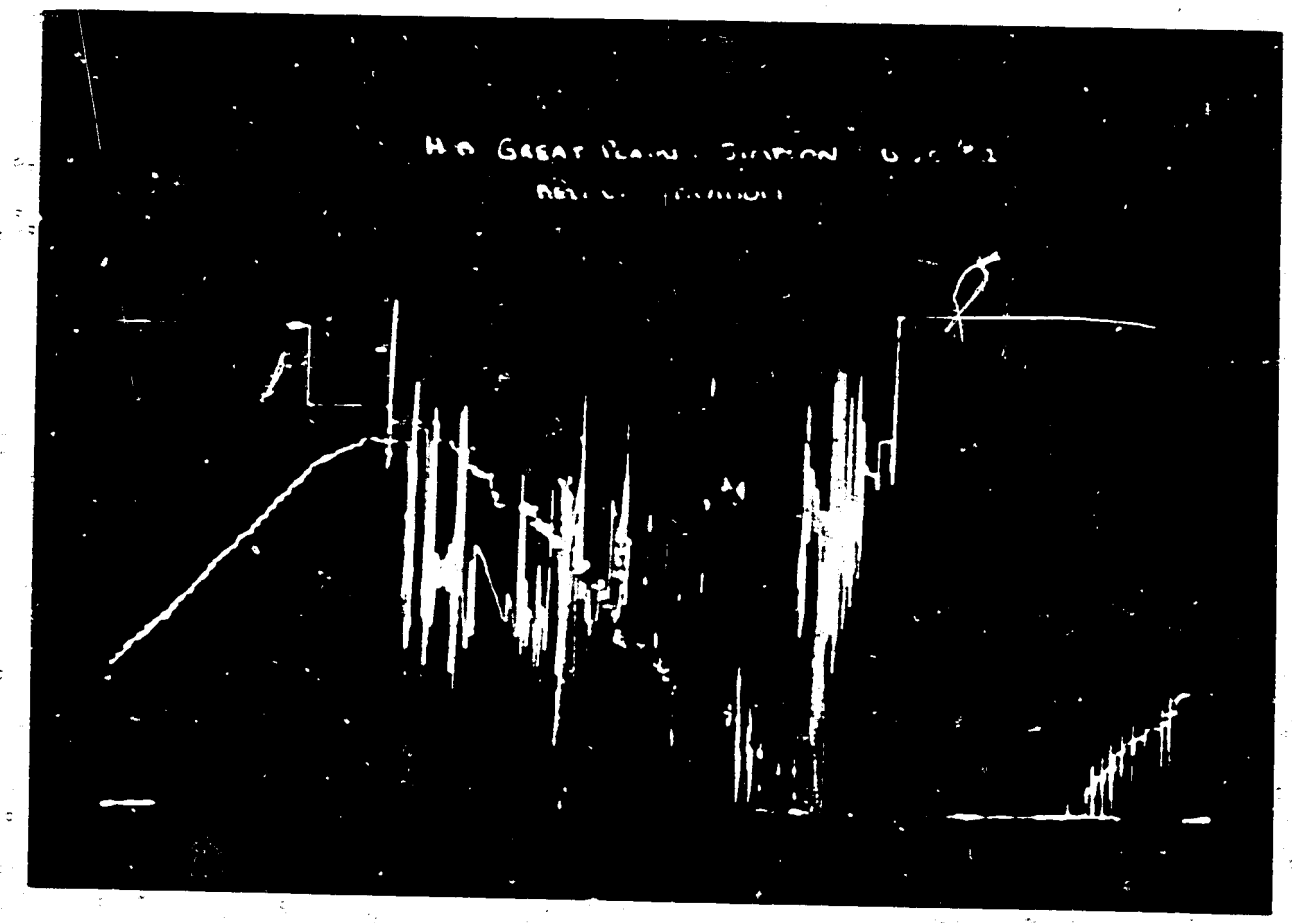


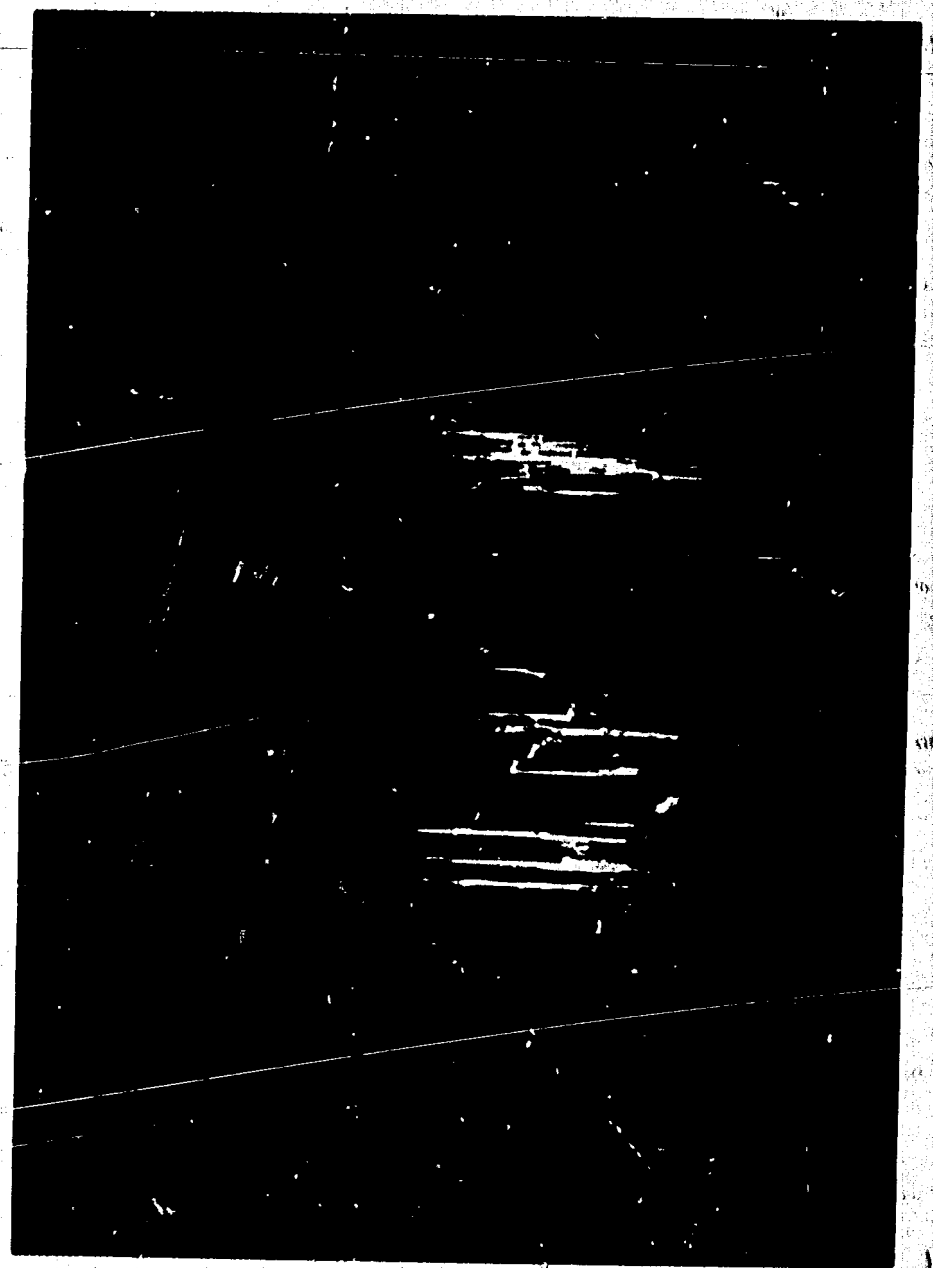
DRILL STEM TEST
TECHNICAL SERVICE REPORT




H.B. GREAT PLAINS SIMPSON
61° 14' 121° 50' 902 # 1


H.B. GREAT PLAINS SIMPSON
61° 14' 121° 50' 902 # 1





LYNES UNITED SERVICES LTD.

TEST DATA

Test No. 1 Lynes Test No. 1

Formation

Interval Tested 3160 Ft. to 3200 Ft.

Feet of Net Pay Tested 40 Ft.

Type of Test Straddle By-Pass Conventional

Cushion Amount Ft.

Started in Main at 0830 Hrs. Tool Open at 1015 Hrs.

Pre-Flow 5 Mins. Initial Shut-in 30 Mins.

2nd Flow Mins. Second Shut-in Mins.

Final Flow 30 Mins. Final Shut-in 30 Mins.

Remarks

Blow: Weak blow on preflow, holding steady. No blow on final flow.

GENERAL INFORMATION

Company: Hudsons Bay Oil & Gas Company Ltd.

Address: 11630 Kingsway Avenue, Edmonton, Alberta

Well Name: HB Great Plains Simpson D-25

Lease Number: 61° 14' 121° 50'

K.B. Elevation: 929.10 Sub Sea Elevation

Field: Fort Simpson Province: N.W.T.

Company Rep: Jim Landermilk

Tester: Marvin Housenga

Contractor: General Petroleum Rig No. 12

Ticket No. 1603 Date: March 7, 1970

Service Reports To:

6 - above address

GAS FLOW MEASUREMENTS

Measured with

No gas to surface.

Time	Surface Choke	Reading Inches	Cubic Feet/Day

MUD AND HOLE DATA

Mud Type: Gel Base

Weight: 9.4 Viscosity: 104 Water Loss: 9.8

Filter Cake: 2/32" Bottom Hole Temperature: 102°

Drill Pipe: Size 4" 3 1/2" IF Weight: 13#/ft.

Drill Collars: 4 1/2" H90 I.D. 2 3/8" Feet Run: 608'

Main Hole or Casing Size: 8 3/4"

Rathole or Liner Size: No. of Feet

Bottom Hole Choke Size: 5/8"

Surface Choke Size:

Packer Rubber Size: 7 3/4"

REMARKS

Shut-in pressures suggest no permeability within the interval tested.

RECOVERY

TOTAL FLUID RECOVERED: nil Ft. Consisting of:

Ft. of

Ft. of

Ft. of

Ft. of

Test was/was not Reversed Circulated:

Oil Recovery A.P.I. Water Specific Gravity

Salinity

PRESSURE READINGS

	Inside X Outside	Inside Outside	Inside Outside X	Inside Outside
Recorder No.	943		902	
Capacity	5300		3300	
Depth	3143		3182	
1 - INITIAL HYDROSTATIC	1642		1662	
2 - PRE-FLOW	9		29	
3 - INITIAL SHUT-IN	9		29	
4a - 2nd INITIAL FLOW				
4b - 2nd FINAL FLOW				
4c - 2nd SHUT-IN				
5 - 3rd INITIAL FLOW	9		29	
6 - FINAL FLOW	9		29	
7 - FINAL SHUT-IN	95		29	
8 - FINAL HYDROSTATIC	1620		1643	

Hudsons Bay Oil & Gas Company Ltd. — HB Great Plains Simpson D-25 — 61° 14' 121° 50' — Test No. 1 — March 7, 1970

CONVENTIONAL DRILL STEM TEST

LYNES

FOR COMPANY Hudsons Bay Oil & Gas Co. Ltd. WELL NAME AND NUMBER 08 Great Plains Simpson

TEST No. 1 INTERVAL TESTED [illegible] TOTAL DEPTH 3418

TOOL	LENGTH	O.D.
DCS		1.00
DPS		1.00
SIT		6.50
HT		4.70
Jars	0	4.20
AK1		4.50
SI		2.10
HS		1.00
Pack		5.00
Pack		3.00
TOP PACKER SEAL DEPTH	3160	
PC		1.20
Perfs	30.00	
AK1		4.50
RS		1.30
PS		3.00
BOTTOM PACKER SEAL DEPTH	3200	
Pack		3.00
Pack		6.00
Xsub		1.00
D pipe	186.18	
BOS		2.00
Perfs	20.00	

STRADDLE TESTER TOTAL DEPTH

TOOL	LENGTH	O.D.

BOTTOM HOLE TESTER TOTAL DEPTH

CONVENTIONAL DRILL STEM TESTING

Dependable Testing Service With

- MULTIPLE FLOWS AND SHUT-INS
- SURFACE CHART RECORDINGS OF GAS FLOWS
- BOTTOM HOLE SAMPLES OBTAINED
- RESERVOIR PRESSURE INTERPRETATION
- A CHOICE OF EQUIPMENT AVAILABLE FOR TIGHT HOLE TESTING
- RUGGED HIGH PRESSURE SURFACE EQUIPMENT WITH POSITIVE REMOTE CONTROL

PACKER SEAL DEPTH

PIPE TALLY

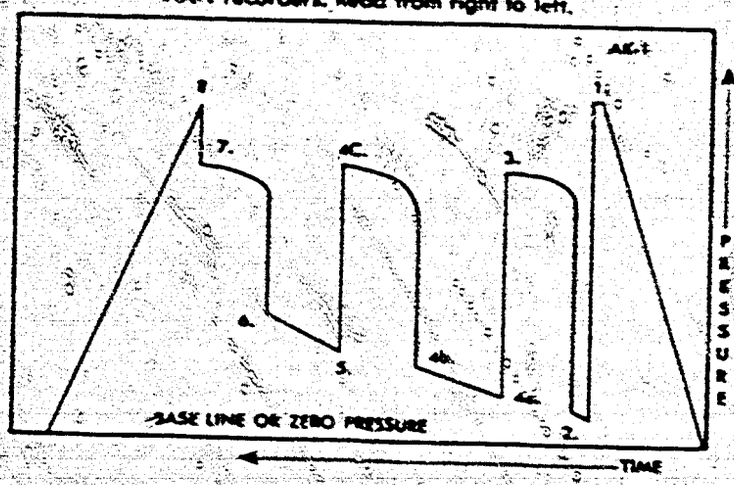
BELOW BOTTOM PACKER SEAL	218.18
BETWEEN PACKER SEALS	40.00
TOOL ABOVE PACKER SEAL	38.00
SUBS, TIGHT HOLE, EQU., ETC.	
DRILL COLLARS	
DRILL PIPE	
TOTAL STRING	
TOTAL DEPTH	3418
TOP SINGLE ABOVE TABLE – kelly	37
REMARKS	3381
+ tool	102
	3491
– TD	3418
	73
– single	60
stick up	13

TOTAL LENGTH OF TESTING EQUIPMENT IN THE HOLE

LYNES

GUIDE TO INTERPRETATION AND IDENTIFICATION OF LYNES DRILL STEM TEST PRESSURE CHARTS

AK-1 recorders. Read from right to left.



K-3 recorders. Read from left to right.

1. INITIAL HYDROSTATIC MUD PRESSURE
2. PRE-FLOW
3. INITIAL SHUT-IN
4a. 2nd INITIAL FLOW
4b. 2nd FINAL FLOW
4c. 2nd SHUT-IN
5. 3rd INITIAL FLOW
6. FINAL FLOW
7. FINAL SHUT-IN
8. FINAL HYDROSTATIC MUD PRESSURE

N.B. When only two shut-in and flow periods are run, 4a, 4b and 4c are omitted.

Typical charts for visual field analysis ranging from very low to high permeability.

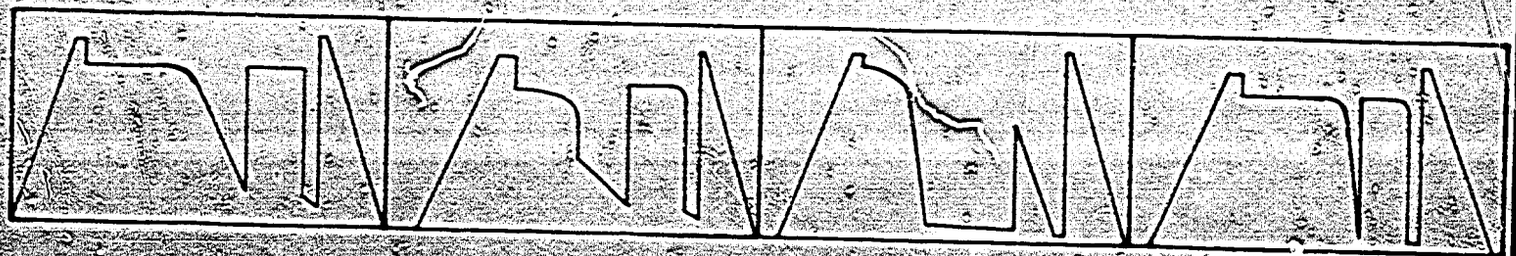
Very low permeability. Usually only mud recovered from interval tested. Virtually no permeability.

Slightly higher permeability. Again usually mud recovered.

Slightly higher permeability. Small recovery, less than 200' (ft).

Average permeability. Final and initial shut-ins differ by 50 psi.

Average permeability. Strong damage effect. High shut-in pressure, low flow pressure.



Excellent permeability where final flow, final shut-in pressure.

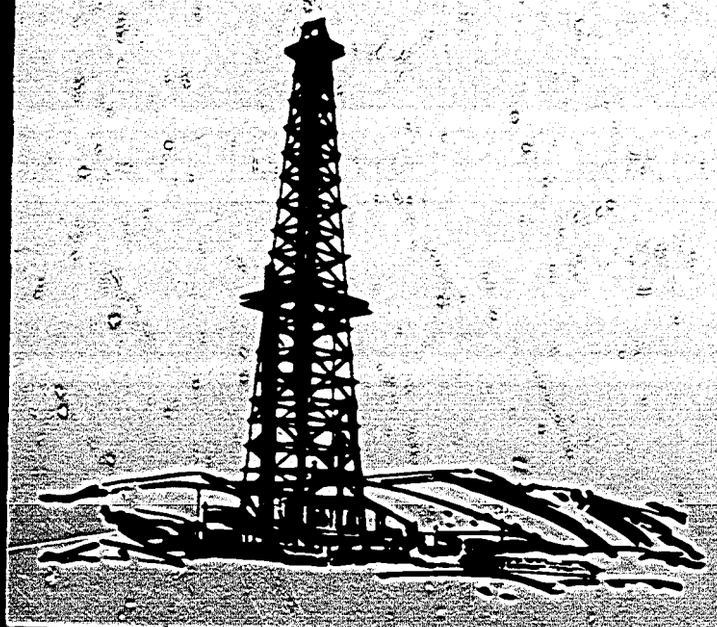
High permeability where ISIP and FSIP are within 10 psi.

Deep well bore invasion or damage. Final shut-in higher than the initial shut-in.

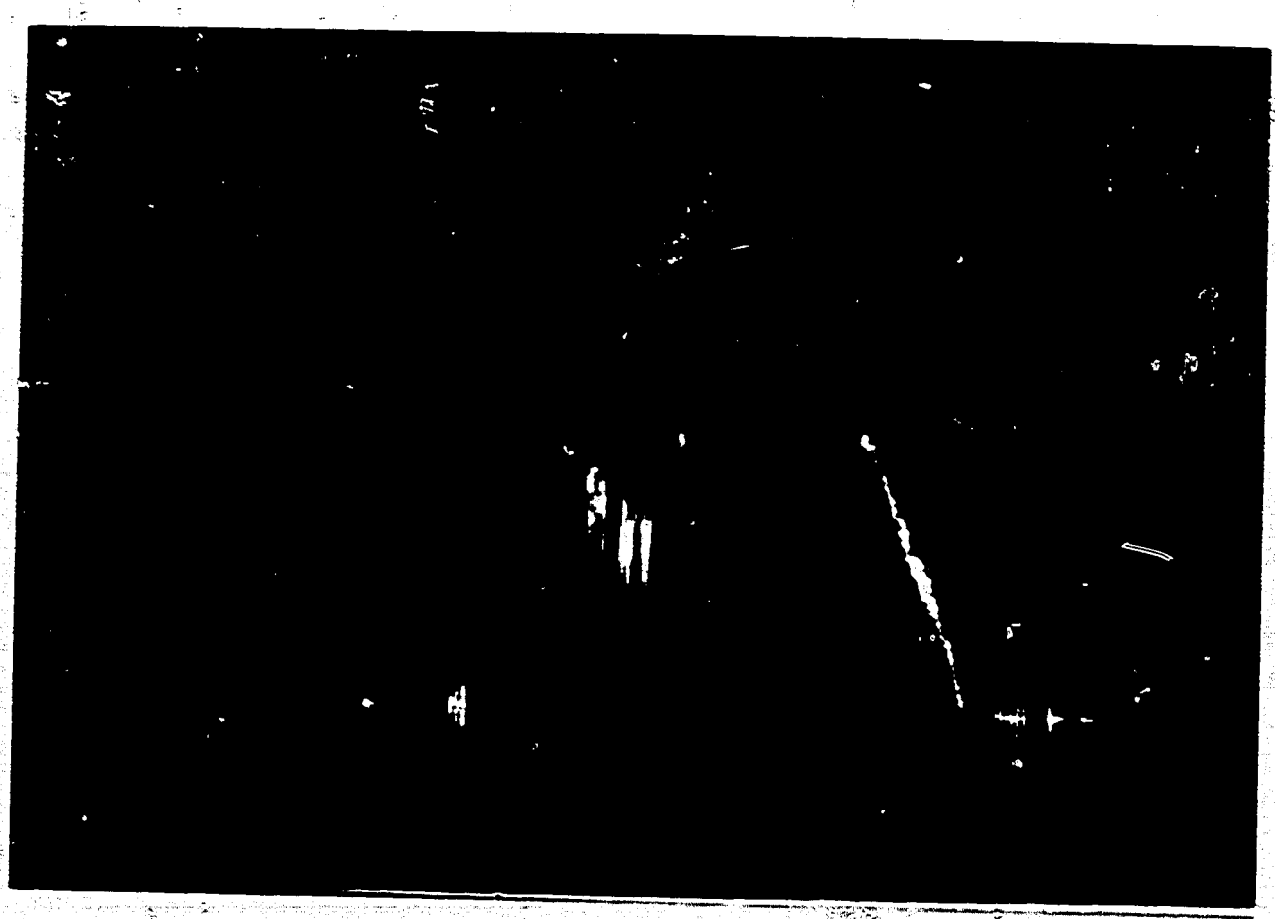
Tight hole chamber tester. Permeability very difficult to interpret unless the recovery is less than chamber length. Flow pressure builds up rapidly if recovery is large, similar to a shut-in.

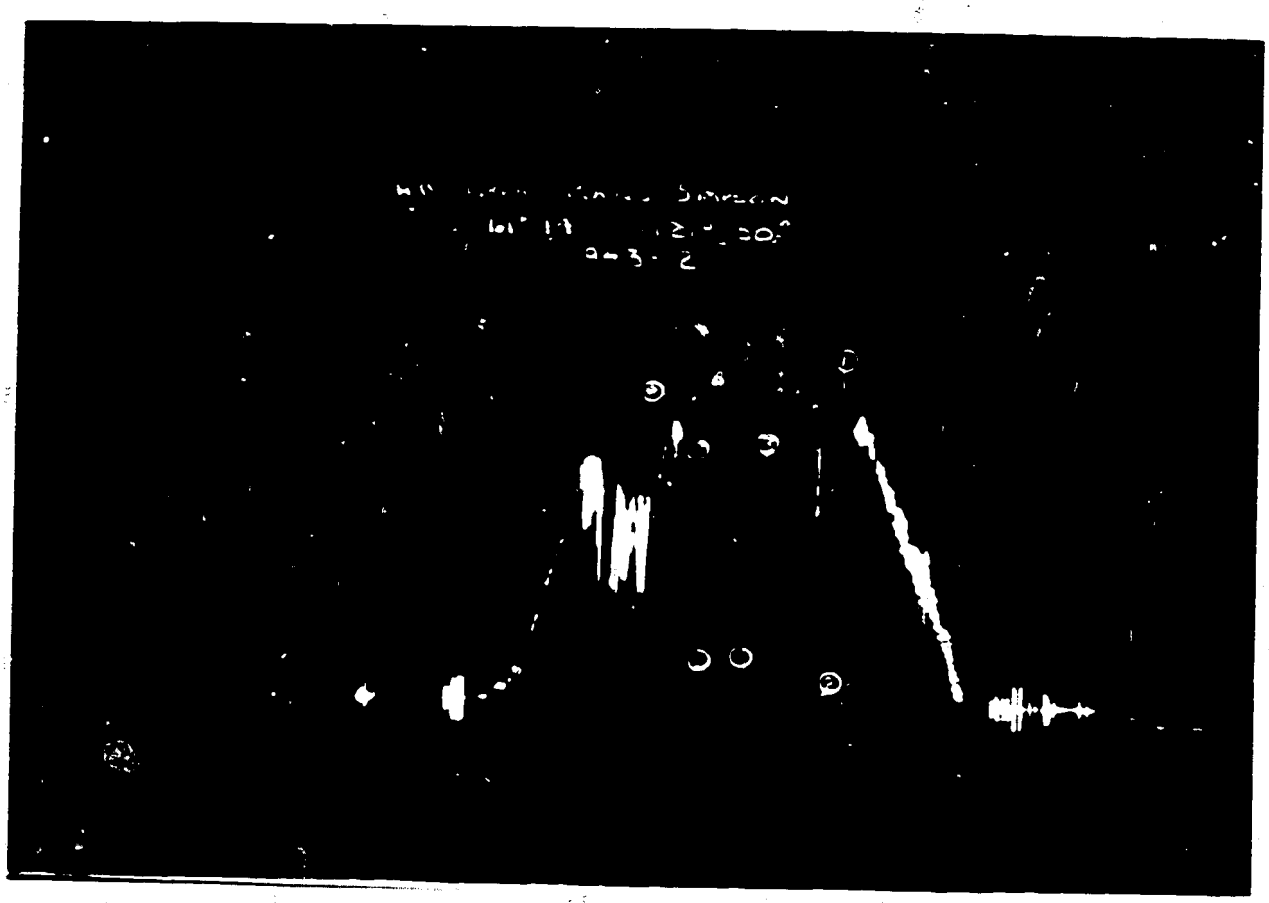
LYNES

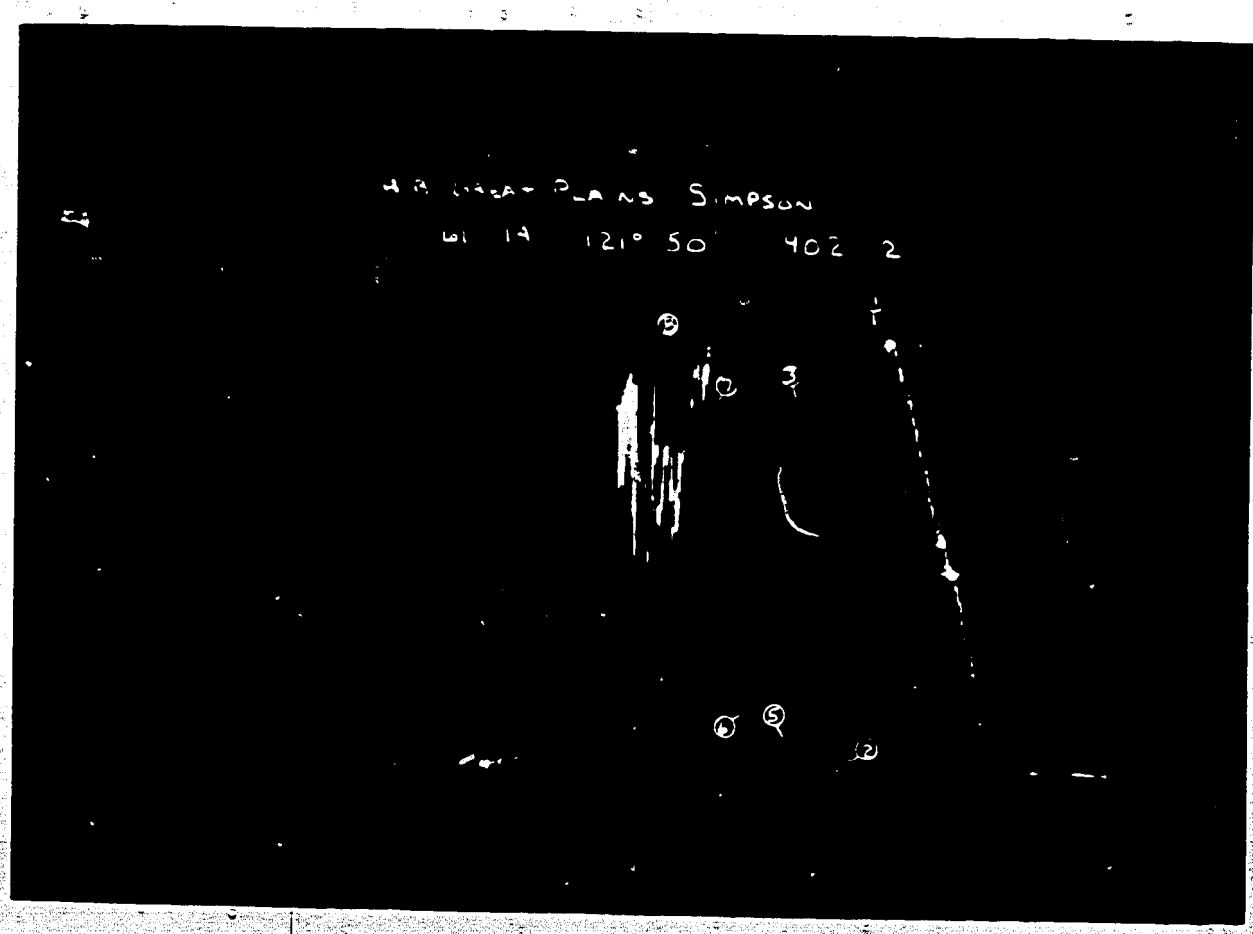
BRIGHT NAME IN THE OIL PATCH



DRILL STEM TEST
TECHNICAL SERVICE REPORT






H R Hearst Plans Simpson
61 19 121° 50' 402 2

NOMENCLATURE (Definition of Symbols)

Q	= average gas production rate during test, MCF/day
Q_s	= measured gas production rate during test, MCF/day
k	= permeability, md
h	= net pay thickness, ft. (when entire zone tested is chosen)
μ	= fluid viscosity, centipoise
Z	= compressibility factor
T_r	= reservoir temperature, ° Rankine
m	= slope of final SIP buildup plot, psig/cycle ($psig^2$/cycle for gas)
b	= approximate radius of investigation, feet
r_w	= wellbore radius, feet
t_p	= total flowing time, minutes
P_e	= Extrapolated maximum reservoir pressure, psig
P_f	= final flowing pressure, psig
P.I.	= productivity index, bbls./day/psi
$P.I._t$	= theoretical productivity index with damage removed, bbl./day/psi
D.R.	= damage ratio
E.D.R.	= estimated damage ratio
AOF	= absolute open flow potential, MCF/D
AOF_t	= theoretical absolute open flow if damage were removed
$\bar{z}$	= subsea depth
W	= water gradient based on salinity
H_w	= potentiometric surface

In making any interpretation, our employees will give Customer the benefit of their best judgment as to the correct interpretation. Nevertheless, since all interpretations are opinions based on inferences from electrical, mechanical or other measurements, we cannot, and do not, guarantee the accuracy or correctness of any interpretations, and we shall not be liable or responsible, except in the case of gross or wilful negligence on our part, for any loss, costs, damages or expenses incurred or sustained by Customer resulting from any interpretation made by any of our agents or employees.

DEFINITION OF SYMBOLS

Recorder Depth [illegible] ft. Subsea depth ft. Ticket No. Hour Recorder No.

t_o = [illegible] Mins. Initial Shut-in Pressure | Second Flow Pressure | t_o = 30 Mins. Final Shut-in Pressure

Time, Min. Ø	$\frac{t_o + Ø}{Ø}$	PSIG	PSIG² ÷10⁶ (Gas)	Time Delt. 200"	PSIG	Time, Min. Ø	$\frac{t_o + Ø}{Ø}$	PSIG	PSIG² ÷10⁶ (Gas)
0	----	65				0	----	65	
3	2.667	1381				3	10.667	1381	
6	1.833	1392				6	5.833	1389	
9	1.556	1395				9	4.556	1392	
12	1.417	1396				12	3.917	1395	
15	1.333	1397				15	3.533	1396	
18	1.278	1397				18	3.278	1397	
21	1.238	1399				21	3.095	1397	
24	1.208	1399				24	2.958	1399	
27	1.185	1400				27	2.852	1399	
30	1.167	1400				30	2.767	1400	

Recorder Depth ft. Subsea depth ft. Ticket No. Hour Recorder No.

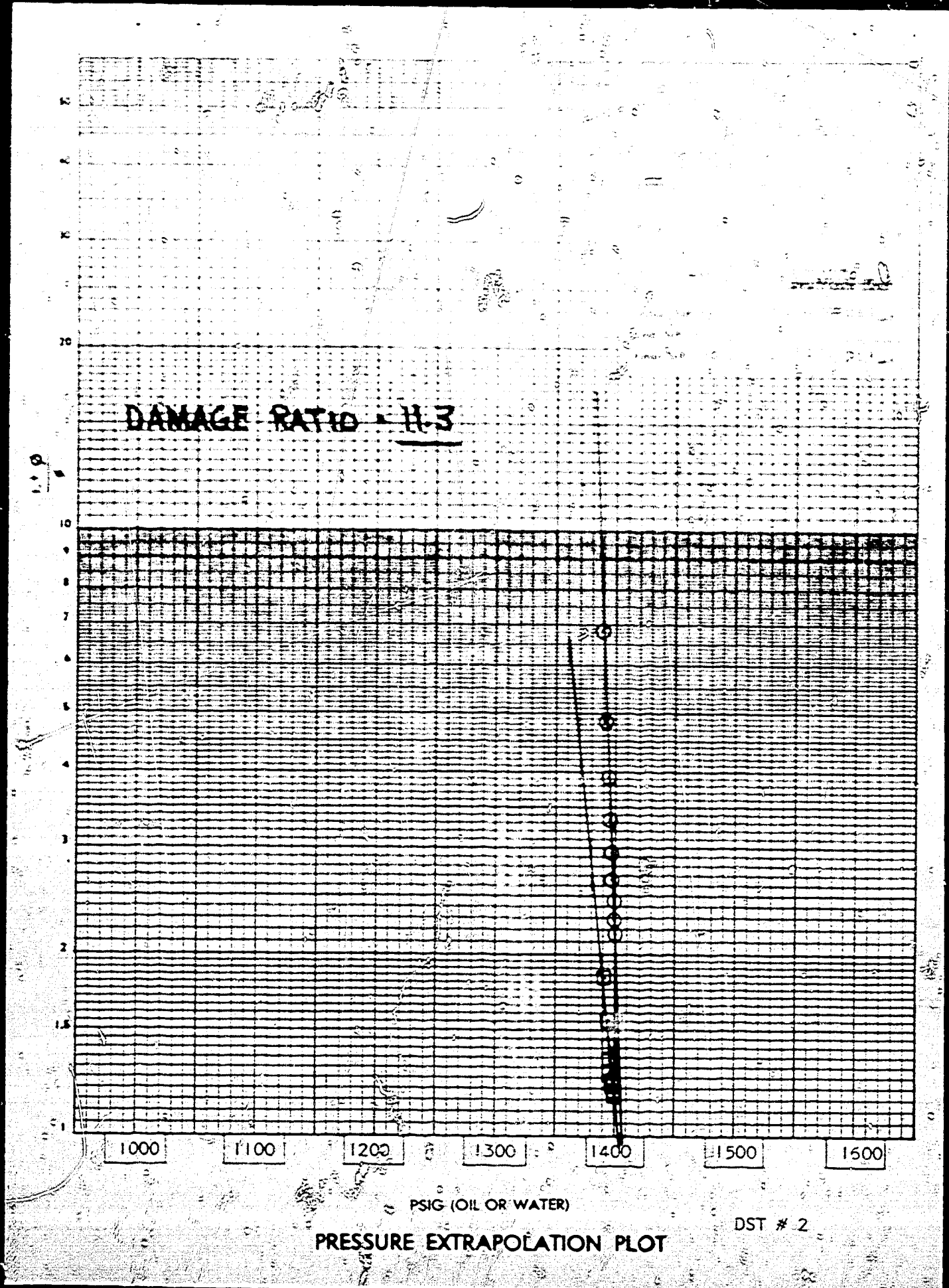
t_o = Mins. Initial Shut-in Pressure | Second Flow Pressure | t_o = Mins. Final Shut-in Pressure

Time, Min. Ø	$\frac{t_o + Ø}{Ø}$	PSIG	PSIG² ÷10⁶ Ø	Time Delt. 200"	PSIG	Time, Min. Ø	$\frac{t_o + Ø}{Ø}$	PSIG	PSIG² ÷10⁶ (Gas)

Interval of Pressure Readings (Mins.) ISIP 3 2nd Flow Press. FSIP 3

Remarks: DST # 2

PRESSURE DATA



DST # 2

PRESSURE EXTRAPOLATION PLOT

LYNES UNITED SERVICES LTD.

TEST DATA — Test No. 2 — Conventional Bottom Hole

Formation Tested
Interval Tested
Anchor
Type of Test
Packer
Blanked-off or Ported at
Pre-Flow — Min. — Initial Open — Min.
2nd Flow — Min. — Initial Shut-in — Min.
Final Flow 30 Min. — Final Open — Min.
Final Shut-in — Min.
Remarks

Fair blow on preflow approximately 2 feet below water level in pail.
Good steady blow on final flow.

Hudsons Bay Oil & Gas Company Ltd. — Well Name and Description: HB Great Plain Simpson 6 10 41 12 10 501 — Test No. # 2 — Date of Test: March 10, 1970

Company: Hudsons Bay
Well Name: Great Plains Simpson
Well Number: 6-10-41-12-10
Kelly Bushing Elevation: 928.10
Field: Fort Simpson — Province: N.W.T.
Operator: Jim Leadermith
Tester: Marvin Housenga
Contractor: General Petroleum — Rig No.
Ticket No.: 1604 — Date: March 10, 1970
Service Reports To: 6 - above address

GAS BLOW MEASUREMENTS

Measured with
No gas to surface.

Time	Surface Choke	Reading Inches	Cubic Feet/Day

MUD AND HOLE DATA

Mud Type: Gel Base
Weight: 9.5 — Viscosity: 100 — Water Loss: 9.6
Filter Cake: 2/32" — Bottom Hole Temperature: 105
Drill Pipe Size: 4" 3 1/2" IF — Weight: 13#/ft.
Drill Collars: 4 1/2"H90 — I.D. 2 3/8" — Feet Size: 180
Main Hole or Casing Size: 8 3/4"
Reducing or Liner Size — No. of Feet
Bottom Hole Choke Size: 5/8"
Surface Choke Size
Packer Rubber Size: 7 3/4"

REMARKS

Shut-in pressures suggest high permeability within the interval tested with a damage ratio of 11.3 (High damage)

RECOVERY

TOTAL FLUID RECOVERED: 185 Ft. Consisting of:
185 Ft. of Drilling mud
Ft. of
Ft. of
Ft. of
Test open/was not Reversed Circulated: WAS NOT
Oil Recovery A.P.I. — Water Specific Gravity
Salinity

PRESSURE READINGS

	Inside X Outside	Inside Outside	Inside Outside X	Inside Outside
Recorder No.	943		902	
Capacity	5300		3300	
Depth	3228		3257	
1 - INITIAL HYDROSTATIC	1533		1666	
2 - PRE-FLOW	63		75	
3 - INITIAL SHUT-IN	1400		1410	
4a - 2nd INITIAL FLOW				
4b - 2nd FINAL FLOW				
4c - 2nd SHUT-IN				
5 - 3rd INITIAL FLOW	76		96	
6 - FINAL FLOW	577		1168	
7 - FINAL SHUT-IN	1400		1397	
8 - FINAL HYDROSTATIC	1615		1630	

CONVENTIONAL DRILL STEM TEST

LYNES

FOR COMPANY Hudson Oil Co. of Ill. L.C.A. WELL NAME AND NUMBER [illegible]

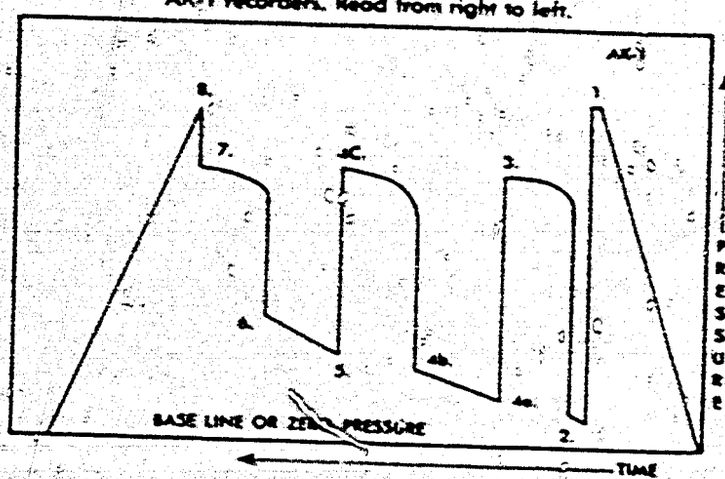
TEST No. INTERVAL TESTED [illegible] TOTAL DEPTH 3432

TOOL	LENGTH	O.D.

LYNES

GUIDE TO INTERPRETATION AND IDENTIFICATION OF LYNES DRILL STEM TEST PRESSURE CHARTS

AK-1 recorders. Read from right to left.



K-3 recorders. Read from left to right.

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2. PRE-FLOW
3. INITIAL SHUT-IN
4a. 2nd INITIAL FLOW
4b. 2nd FINAL FLOW
4c. 2nd SHUT-IN
5. 3rd INITIAL FLOW
6. FINAL FLOW
7. FINAL SHUT-IN
8. FINAL HYDROSTATIC MUD PRESSURE

N.B. When only two shut-in and flow periods are run, 4a, 4b and 4c are omitted.

Typical charts for visual field analysis ranging from very low to high permeability.

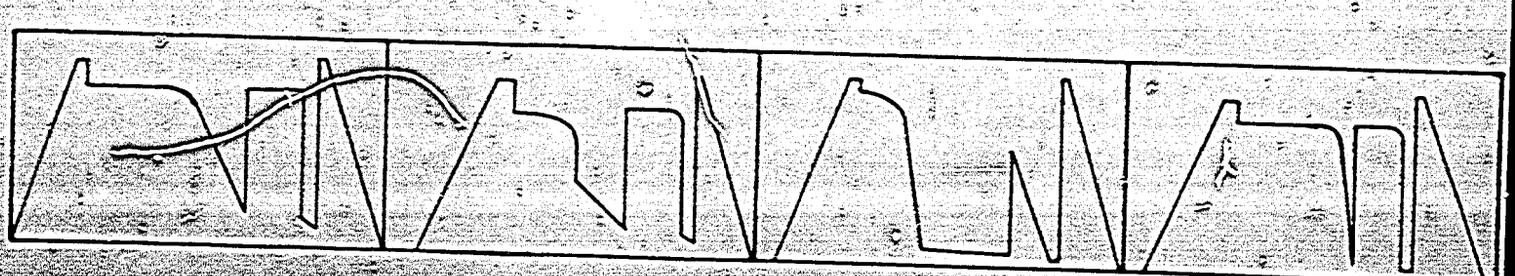
Very low permeability. Usually only mud recovered from interval tested. Virtually no permeability.

Slightly higher permeability. Again usually mud recovered.

Slightly higher permeability. Small recovery, less than 200' ft).

Average permeability. Final and initial shut-ins differ by 50 psi.

Average permeability. Strong damage effect. High shut-in pressure, low flow pressure.



Excellent permeability where final flow, final shut-in pressure.

High permeability where ISIP and FSIP are within 10 psi.

Deep well bore invasion or damage. Final shut-in higher than the initial shut-in.

Tight hole chamber tester. Permeability very difficult to interpret unless the recovery is less than chamber length. Flow pressure builds up rapidly if recovery is large, similar to a shut-in.

H B. Great Plains/Simpson

D-25-

HB GREAT PLAINS SIMPSON D-25

D.A. 425 - Tour Reports

52-8BAX4
REV. 3/69

Hudson's Bay Oil and Gas Company Limited

DAILY DRILLERS REPORT

WELL NAME H.B. GREAT PLAINS SIMPSON D-25 | LDG. FLG. TO KB 1402 | DATE MARCH 15-170

CONTRACTOR C.P. | TYPE RIG | K. B. ELEV. 929.12

RIG NO. 12 | TOOL PUSHER | GRD. ELEV. 918.70

CASING RECORD	DEPTH	SIZE	WEIGHT	GRADE	CEMENT	ACID	PLUG DOWN	COMPANY SUPERVISOR
								A.C. Sankeyuk

	12 P.M. TO 8 A.M.	8 A.M. TO 4 P.M.	4 P.M. TO 12 P.M.
DEPTH	START / PROGRESS / END	START / PROGRESS / END	START / PROGRESS / END

BIT RECORD

NO.	SERIAL NO.	TYPE	SIZE	FROM	TO	FOOTAGE	HRS. RUN

DRILLING DATA

LINER SIZE	PUMP PRESSURE	TABLE SPEED	WEIGHT ON BIT

DRILLING STRING

SIZE	STANDS	SINGLES	DRILL COL.	KELLY IN	CORE BBL.

MUD RECORD

TYPE OF MUD	WEIGHT	VIS	WL	PH	FC

ADDITIVES

CORING

NO.	FROM	TO	RECOVERED	FORMATION

SURVEY

DEG. AT FT. | DEG. AT FT. | DEG. AT FT.

DRILL STEM TESTS

NO. INTERVAL FORMATION

VALVE OPEN (MINS.) INITIAL SHUT-IN (MINS.) FINAL SHUT-IN (MINS.)

GAS TO SURFACE MIN. @ MCF/D MAX.

OIL TO SURFACE MIN. @ BBL/D MAX.

RECOVERY:

PRESSURES	IHP	FHP	IFP	FFP	ISIP	FSIP

REMARKS INCLUDING CEMENTING LOGGING PERFORATING ACIDIZING FRACTURING PLUGS

FROM	TO	DESCRIPTION OF WORK

DRILLER NO. HELPERS

---

8 A.M. TO 4 P.M.

START / PROGRESS / END

NO.	SERIAL NO.	TYPE	SIZE	FROM	TO	FOOTAGE	HRS. RUN

LINER SIZE	PUMP PRESSURE	TABLE SPEED	WEIGHT ON BIT

SIZE	STANDS	SINGLES	DRILL COL.	KELLY IN	CORE BBL.

TYPE OF MUD	WEIGHT	VIS	WL	PH	FC

ADDITIVES

NO.	FROM	TO	RECOVERED	FORMATION

DEG. AT FT. | DEG. AT FT. | DEG. AT FT.

NO. INTERVAL FORMATION

VALVE OPEN (MINS.) INITIAL SHUT-IN (MINS.) FINAL SHUT-IN (MINS.)

GAS TO SURFACE MIN. @ MCF/D MAX.

OIL TO SURFACE MIN. @ BBL/D MAX.

RECOVERY:

PRESSURES	IHP	FHP	IFP	FFP	ISIP	FSIP

FROM	TO	DESCRIPTION OF WORK
		FINISHED LOADING OUT CAMP + RIG
		1 CAMP BLDG + 1 LOAD
		DRILL COLLARS LEFT ON
		LOCATION TO DOUBLE BACK
		FOR

DRILLER NO. HELPERS

---

4 P.M. TO 12 P.M.

START / PROGRESS / END

NO.	SERIAL NO.	TYPE	SIZE	FROM	TO	FOOTAGE	HRS. RUN

LINER SIZE	PUMP PRESSURE	TABLE SPEED	WEIGHT ON BIT

SIZE	STANDS	SINGLES	DRILL COL.	KELLY IN	CORE BBL.

TYPE OF MUD	WEIGHT	VIS	WL	PH	FC

ADDITIVES

NO.	FROM	TO	RECOVERED	FORMATION

DEG. AT FT. | DEG. AT FT. | DEG. AT FT.

NO. INTERVAL FORMATION

VALVE OPEN (MINS.) INITIAL SHUT-IN (MINS.) FINAL SHUT-IN (MINS.)

GAS TO SURFACE MIN. @ MCF/D MAX.

OIL TO SURFACE MIN. @ BBL/D MAX.

RECOVERY:

PRESSURES	IHP	FHP	IFP	FFP	ISIP	FSIP

FROM	TO	DESCRIPTION OF WORK

DRILLER NO. HELPERS

52 - 8BAX4
REV. 3/69

Hudson's Bay Oil and Gas Company Limited

DAILY DRILLERS REPORT

WELL NAME: Hudsons Bay Swat Plains D25 | LDG. FLG. TO KB | DATE March 12/70

CONTRACTOR: G.P. Drilling | TYPE RIG: T16 | K. B. ELEV.

RIG NO. 12 | TOOL PUSHER | GRD. ELEV.

CASING RECORD	DEPTH	SIZE	WEIGHT	GRADE	CEMENT	ACID	PLUG DOWN	COMPANY SUPERVISOR

	12 P.M. TO 8 A.M.	8 A.M. TO 4 P.M.	4 P.M. TO 12 P.M.
DEPTH			

BIT RECORD

START NO.	SERIAL NO.	TYPE	SIZE	PROGRESS FROM	TO	END FOOTAGE	HRS. RUN

DRILLING DATA

LINER SIZE	PUMP PRESSURE	TABLE SPEED	WEIGHT ON BIT

DRILLING STRING

SIZE	STANDS	SINGLES	DRILL COL.	KELLY IN	CORE BBL.

MUD RECORD

TYPE OF MUD	WEIGHT	VIS	WL	PH	FC

ADDITIVES

CORING

NO.	FROM	TO	RECOVERED	FORMATION

SURVEY

DEG. AT FT. | DEG. AT FT. | DEG. AT FT.

DRILL STEM TESTS

NO. | INTERVAL | FORMATION

VALVE OPEN (MINS.) | INITIAL SHUT-IN (MINS.) | FINAL SHUT-IN (MINS.)

GAS TO SURFACE MIN. @ MCF/D MAX.

OIL TO SURFACE MIN. @ BBL/D MAX.

RECOVERY:

PRESSURES: IHP | FHP | IFP | FFP | ISIP | FSIP

REMARKS INCLUDING: CEMENTING, LOGGING, PERFORATING, ACIDIZING, FRACTURING, PLUGS

FROM	TO	DESCRIPTION OF WORK
		March 12. 170 - TEARING OUT RIG + WAITING ON TRUCKS

DRILLER | NO. HELPERS

8 A.M. TO 4 P.M.

START NO.	SERIAL NO.	TYPE	SIZE	PROGRESS FROM	TO	END FOOTAGE	HRS. RUN

LINER SIZE	PUMP PRESSURE	TABLE SPEED	WEIGHT ON BIT

SIZE	STANDS	SINGLES	DRILL COL.	KELLY IN	CORE BBL.

TYPE OF MUD	WEIGHT	VIS	WL	PH	FC

ADDITIVES

NO.	FROM	TO	RECOVERED	FORMATION

DEG. AT FT. | DEG. AT FT. | DEG. AT FT.

NO. | INTERVAL | FORMATION

VALVE OPEN (MINS.) | INITIAL SHUT-IN (MINS.) | FINAL SHUT-IN (MINS.)

GAS TO SURFACE MIN. @ MCF/D MAX.

OIL TO SURFACE MIN. @ BBL/D MAX.

RECOVERY:

PRESSURES: IHP | FHP | IFP | FFP | ISIP | FSIP

FROM	TO	DESCRIPTION OF WORK
		Load Pipe to Tech Ground Rig Out.
		March 13 - WAITING ON TRUCKS. REC 6 TRUCKS AT 5 P.M. LOADED OUT FUEL TANK WATER TANK & MUD TANK

DRILLER J. Maloney | NO. HELPERS

4 P.M. TO 12 P.M.

START NO.	SERIAL NO.	TYPE	SIZE	PROGRESS FROM	TO	END FOOTAGE	HRS. RUN

LINER SIZE	PUMP PRESSURE	TABLE SPEED	WEIGHT ON BIT

SIZE	STANDS	SINGLES	DRILL COL.	KELLY IN	CORE BBL.

TYPE OF MUD	WEIGHT	VIS	WL	PH	FC

ADDITIVES

NO.	FROM	TO	RECOVERED	FORMATION

DEG. AT FT. | DEG. AT FT. | DEG. AT FT.

NO. | INTERVAL | FORMATION

VALVE OPEN (MINS.) | INITIAL SHUT-IN (MINS.) | FINAL SHUT-IN (MINS.)

GAS TO SURFACE MIN. @ MCF/D MAX.

OIL TO SURFACE MIN. @ BBL/D MAX.

RECOVERY:

PRESSURES: IHP | FHP | IFP | FFP | ISIP | FSIP

FROM	TO	DESCRIPTION OF WORK
		March - 14/70
		TAKE DERRICK OFF Sub.
		Rig Down DERRICK + Sub.
		Load Out SAME FOR Stacking SITE

DRILLER | NO. HELPERS

52 - 8BAX4
REV. 3/69

Hudson's Bay Oil and Gas Company Limited

DAILY DRILLERS REPORT

WELL NAME: Hudsons Bay Great Plains #25
CONTRACTOR: G.P. Drlg.
RIG NO.: #12
TYPE RIG: T16
TOOL PUSHER:

LDG. FLG. TO KB: 14.02
K. B. ELEV.: 929.10
GRD. ELEV.: 1070

DATE: March 11/70

CASING RECORD	DEPTH	SIZE	WEIGHT	GRADE	CEMENT	ACID	PLUG DOWN	COMPANY SUPERVISOR
	540	10 3/4	32.75	H-40	540 sx	2-3 cu	1:39 AM 3/24/70	A.C. Sanderson

12 P.M. TO 8 A.M.

DEPTH: START 3432 T.D. PROGRESS END

BIT RECORD

NO.	SERIAL NO.	TYPE	SIZE	FROM	TO	FOOTAGE	HRS. RUN

DRILLING DATA

LINER SIZE	PUMP PRESSURE	TABLE SPEED	WEIGHT ON BIT

DRILLING STRING

SIZE	STANDS	SINGLES	DRILL COL.	KELLY IN	CORE BBL.

MUD RECORD

TYPE OF MUD	WEIGHT	VIS	WL	PH	FC

ADDITIVES: 50 SACKS SAWDUST USED ON RIG FLOOR AROUND CAMP & CELLAR

CORING

NO.	FROM	TO	RECOVERED	FORMATION

SURVEY: DEG. AT FT. | DEG. AT FT. | DEG. AT FT.

DRILL STEM TESTS

NO. INTERVAL FORMATION
VALVE OPEN (MINS.) INITIAL SHUT-IN (MINS.) FINAL SHUT-IN (MINS.)
GAS TO SURFACE MIN. @ MCF/D MAX.
OIL TO SURFACE MIN. @ BBL/D MAX.
RECOVERY:

PRESSURES	IHP	FHP	IFP	FFP	ISIP	FSIP

REMARKS INCLUDING: CEMENTING, LOGGING, PERFORATING, ACIDIZING, FRACTURING, PLUGS

FROM	TO	DESCRIPTION OF WORK
12:00	4:00	W.O.C. - lay down pipe
4:00	8:00	Work on light plant... Drain lines
		Top Plug Felt at 5:30 AM 3/11/70 at 530' A.T.

DRILLER: A.D. Mogridge NO. HELPERS: 4

8 A.M. TO 4 P.M.

START PROGRESS END

NO.	SERIAL NO.	TYPE	SIZE	FROM	TO	FOOTAGE	HRS. RUN

LINER SIZE	PUMP PRESSURE	TABLE SPEED	WEIGHT ON BIT

SIZE	STANDS	SINGLES	DRILL COL.	KELLY IN	CORE BBL.

TYPE OF MUD	WEIGHT	VIS	WL	PH	FC

ADDITIVES: RAN 5 SACK CEMENT PLUG IN TOP OF SURFACE PIPE

NO.	FROM	TO	RECOVERED	FORMATION

DEG. AT FT. | DEG. AT FT. | DEG. AT FT.

NO. INTERVAL FORMATION
VALVE OPEN (MINS.) INITIAL SHUT-IN (MINS.) FINAL SHUT-IN (MINS.)
GAS TO SURFACE MIN. @ MCF/D MAX.
OIL TO SURFACE MIN. @ BBL/D MAX.
RECOVERY:

PRESSURES	IHP	FHP	IFP	FFP	ISIP	FSIP

FROM	TO	DESCRIPTION OF WORK
		Rig RELEASED 4:00 P.M. March 11/70

DRILLER: NO. HELPERS:

4 P.M. TO 12 P.M.

START PROGRESS END

NO.	SERIAL NO.	TYPE	SIZE	FROM	TO	FOOTAGE	HRS. RUN

LINER SIZE	PUMP PRESSURE	TABLE SPEED	WEIGHT ON BIT

SIZE	STANDS	SINGLES	DRILL COL.	KELLY IN	CORE BBL.

TYPE OF MUD	WEIGHT	VIS	WL	PH	FC

ADDITIVES:

NO.	FROM	TO	RECOVERED	FORMATION

DEG. AT FT. | DEG. AT FT. | DEG. AT FT.

NO. INTERVAL FORMATION
VALVE OPEN (MINS.) INITIAL SHUT-IN (MINS.) FINAL SHUT-IN (MINS.)
GAS TO SURFACE MIN. @ MCF/D MAX.
OIL TO SURFACE MIN. @ BBL/D MAX.
RECOVERY:

PRESSURES	IHP	FHP	IFP	FFP	ISIP	FSIP

FROM	TO	DESCRIPTION OF WORK
9:00	1:00	Clean Out Pump & Clean Tanks.

DRILLER: J.D. Maloney NO. HELPERS: 1

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REV. 3/69

Hudson's Bay Oil and Gas Company Limited

DAILY DRILLERS REPORT

WELL NAME: Hudson's Bay Great Plains D.25
CONTRACTOR: G.P. Drilling
RIG NO.: 12
TYPE RIG: T16
TOOL PUSHER:

LDG. FLG. TO KB: 14.02
K. B. ELEV.: 924.10
GRD. ELEV.: 1070

DATE: March 10 / 70

CASING RECORD	DEPTH	SIZE	WEIGHT	GRADE	CEMENT	ACID	PLUG DOWN	COMPANY SUPERVISOR
	580	10 3/4	32.75	H-40	500 sx	250	1:30 AM 2/24/70	A.C. Sandersmith

	12 P.M. TO 8 A.M.	8 A.M. TO 4 P.M.	4 P.M. TO 12 P.M.
DEPTH	START 3432 T.D. PROGRESS END	START ~~3445~~ PROGRESS END TD	START 3432 T.D. PROGRESS END

BIT RECORD

NO.	SERIAL NO.	TYPE	SIZE	FROM	TO	FOOTAGE	HRS. RUN

8 A.M. TO 4 P.M.: TESTING

DRILLING DATA

LINER SIZE	PUMP PRESSURE	TABLE SPEED	WEIGHT ON BIT

DRILLING STRING

SIZE	STANDS	SINGLES	DRILL COL.	KELLY IN	CORE BBL.

MUD RECORD

TYPE OF MUD	WEIGHT	VIS	WL	PH	FC

ADDITIVES

8 A.M. TO 4 P.M.: TESTING

4 P.M. TO 12 P.M.:
RAN PLUG #1 FROM 3432-3100 W/ 138 SACKS PORTLAND CEMENT DISP W/ 33 BBLS MUD IN PLACE
ADDITIVES 6 OZ P.M.
RAN PLUG #2 FROM 630-530 W/ 70 SACKS + 2% CaCl DISP W/ 3 BBLS IN PLACE 8:00 P.M.

CORING

NO.	FROM	TO	RECOVERED	FORMATION

SURVEY

DEG. AT FT. | DEG. AT FT. | DEG. AT FT.

DRILL STEM TESTS

NO. 2 INTERVAL 3245-3432 FORMATION PRE-DEVONIAN
VALVE OPEN (MINS.) 30 INITIAL SHUT-IN (MINS.) 30 FINAL SHUT-IN (MINS.) 60
GAS TO SURFACE MIN. @ MCF/D MAX.
OIL TO SURFACE MIN. @ BBL/D MAX.
RECOVERY: 186' Drilling Mud

PRESSURES	IHP	FHP	IFP	FFP	ISIP	FSIP
	1671	1264	100	183	1398	1611

REMARKS INCLUDING: CEMENTING, LOGGING, PERFORATING, ACIDIZING, FRACTURING, PLUGS

FROM	TO	DESCRIPTION OF WORK
12:00	2:00	Circ. w.o.o.
2:00	4:00	P.O.H.
4:00	5:30	Make up DST #2
5:30	6:00	Pickup D.C.
6:00	7:30	Run in with DST #2
7:30	7:45	Rig up Testing Head
7:45	8:00	Testing

DRILLER R.J. Mayerhofer NO. HELPERS 3

FROM	TO	DESCRIPTION OF WORK
8:00	8:15	Rig SER.
8:15	9:30	Testing
9:30	11:30	Hoist out with DST #2
11:30	2:00	Lay Down Testing Tools + SER. + Load out
2:00	3:00	Run in with DC + Lay Down
3:00	4:00	Run in with Drill Pipe

DRILLER Kyle Tyson NO. HELPERS 3

FROM	TO	DESCRIPTION OF WORK
4:00	4:45	Run in
4:45	5:45	Circ.
5:45	7:15	Run Plug #1 & Pull 12 STD
		Circ.
7:15	8:30	Trip out to 630' & Run Plug #2
8:30		Lay Down Drill
	12:00	Pipe.

DRILLER J. Matonay NO. HELPERS 4

52 - 8BAX4
REV. 3/69

Hudson's Bay Oil and Gas Company Limited

DAILY DRILLERS REPORT

WELL NAME Hudson's Bay GREAT PLAINS D 25
CONTRACTOR G.P. Drlg. TYPE RIG T 16
RIG NO. 12 TOOL PUSHER

LDG. FLG. TO KB 14.02
K. B. ELEV. 929.10
GRD. ELEV. 1070

DATE MARCH 9/70

CASING RECORD	DEPTH	SIZE	WEIGHT	GRADE	CEMENT	ACID	PLUG DOWN	COMPANY SUPERVISOR
	580'	10 3/4	32.75	H.40	540sk	12% CaCl	1500 hrs 3/10/70	L.A. Swidzinski

	12 P.M. TO 8 A.M.	8 A.M. TO 4 P.M.	4 P.M. TO 12 P.M.
DEPTH	START ~~3454~~ PROGRESS END 3432 T.D	START 3432 PROGRESS END	START 3432 PROGRESS END T.D.

BIT RECORD

NO.	SERIAL NO.	TYPE	SIZE	FROM	TO	FOOTAGE	HRS. RUN

DRILLING DATA

LINER SIZE	PUMP PRESSURE	TABLE SPEED	WEIGHT ON BIT

DRILLING STRING

SIZE	STANDS	SINGLES	DRILL COL.	KELLY IN	CORE BBL.
4	3364.88	31.50		22.00	

MUD RECORD

TYPE OF MUD	WEIGHT	VIS	WL	PH	FC

ADDITIVES

CORING

NO.	FROM	TO	RECOVERED	FORMATION

SURVEY

DEG. AT FT. | DEG. AT FT. | DEG. AT FT.

DRILL STEM TESTS

NO. INTERVAL FORMATION
VALVE OPEN (MINS.) INITIAL SHUT-IN (MINS.) FINAL SHUT-IN (MINS.)
GAS TO SURFACE MIN. @ MCF/D MAX.
OIL TO SURFACE MIN. @ BBL/D MAX.
RECOVERY:
PRESSURES IHP FHP IFP FFP ISIP FSIP

REMARKS INCLUDING: CEMENTING, LOGGING, PERFORATING, ACIDIZING, FRACTURING, PLUGS

FROM	TO	DESCRIPTION OF WORK
12:00	8:00	WAIT ON Log EVALUATION
		LAY Down 20 D.C.
		MEASURE 20 SINGLES

DRILLER R.S. Moynahan NO. HELPERS 6

FROM	TO	DESCRIPTION OF WORK
8:00		W.O.O.

DRILLER LYLE TYSON NO. HELPERS 4

FROM	TO	DESCRIPTION OF WORK
4:00		WAIT ON LOG EVALUATION W.O.O
		RUN IN PICK UP 20 SINGLES
12:00		CIRC + CLEAN SHAKER TANK.

DRILLER L.M. Maloney NO. HELPERS 3

52 - 8BAX4
REV.3/69

Hudson's Bay Oil and Gas Company Limited

DAILY DRILLERS REPORT

WELL NAME: Hudsons Bay Great Plains D 95
CONTRACTOR: C.P. Drilling — TYPE RIG: T 16
RIG NO.: 12 — TOOL PUSHER:

LDG. FLG. TO KB: 14.02
K. B. ELEV.: 929.10
GRD. ELEV.: 1070

DATE: MARCH 8. 1970

CASING RECORD	DEPTH	SIZE	WEIGHT	GRADE	CEMENT	ACID	PLUG DOWN	COMPANY SUPERVISOR
	580	10 3/4	32.75	H40	540 sx	22 cu.	1:30 AM 3/28/70	A.C. Rodhouse

12 P.M. TO 8 A.M.

DEPTH: START 3419 — PROGRESS — END

BIT RECORD

NO.	SERIAL NO.	TYPE	SIZE	FROM	TO	FOOTAGE	HRS. RUN
Gee	20806	XSSR	8 3/4				

DRILLING DATA

LINER SIZE	PUMP PRESSURE	TABLE SPEED	WEIGHT ON BIT
6 1/4 x 15			

DRILLING STRING

SIZE	STANDS	SINGLES	DRILL COL.	KELLY IN	CORE BBL.
4"	2773.44	31.50	608.08	37.50	

MUD RECORD

TYPE OF MUD	WEIGHT	VIS	WL	PH	FC
Gel Based	9.4	120	9.8	9.5	2/32

ADDITIVES

CORING

NO.	FROM	TO	RECOVERED	FORMATION

SURVEY: DEG. AT FT. | DEG. AT FT. | DEG. AT FT.

DRILL STEM TESTS

NO. INTERVAL FORMATION
VALVE OPEN (MINS.) INITIAL SHUT-IN (MINS.) FINAL SHUT-IN (MINS.)
GAS TO SURFACE MIN. @ MCF/D MAX.
OIL TO SURFACE MIN. @ BBL/D MAX.
RECOVERY:
PRESSURES: IHP FHP IFP FFP ISIP FSIP

REMARKS INCLUDING: CEMENTING, LOGGING, PERFORATING, ACIDIZING, FRACTURING, PLUGS

FROM	TO	DESCRIPTION OF WORK
12 am	12:30	Rig Serv
12:30	1:00	10 stand Trip (No fill or Bridge)
1:00	4:00	Circ To Log

DRILLER: Ray Mayerhan — NO. HELPERS: 3

8 A.M. TO 4 P.M.

START 3419 — PROGRESS — END

BIT RECORD

NO.	SERIAL NO.	TYPE	SIZE	FROM	TO	FOOTAGE	HRS. RUN

DRILLING DATA

LINER SIZE	PUMP PRESSURE	TABLE SPEED	WEIGHT ON BIT
6 1/4 x 15			

DRILLING STRING

SIZE	STANDS	SINGLES	DRILL COL.	KELLY IN	CORE BBL.
4"	2773.44	31.50	608.08	37.50	

MUD RECORD

TYPE OF MUD	WEIGHT	VIS	WL	PH	FC

ADDITIVES: GEL - 1200 #
BENEX - 3 #

CORING

NO.	FROM	TO	RECOVERED	FORMATION

SURVEY: DEG. AT FT. | DEG. AT FT. | DEG. AT FT.

DRILL STEM TESTS

NO. INTERVAL FORMATION
VALVE OPEN (MINS.) INITIAL SHUT-IN (MINS.) FINAL SHUT-IN (MINS.)
GAS TO SURFACE MIN. @ MCF/D MAX.
OIL TO SURFACE MIN. @ BBL/D MAX.
RECOVERY:
PRESSURES: IHP FHP IFP FFP ISIP FSIP

FROM	TO	DESCRIPTION OF WORK
8:00	12:30	C; RC
12:30	2:30	Hoist out To Log
2:30	3:00	Rig Up Log Tools
3:00	4:00	Log
		Strap Out - Pipe Hole Total Depth 3422
		Board 2419
		D.E. 12'

DRILLER: Lyle Tyson — NO. HELPERS: 4

4 P.M. TO 12 P.M.

START ~~3419~~ — PROGRESS — END 5432 T.D.

BIT RECORD

NO.	SERIAL NO.	TYPE	SIZE	FROM	TO	FOOTAGE	HRS. RUN

DRILLING DATA

LINER SIZE	PUMP PRESSURE	TABLE SPEED	WEIGHT ON BIT
6 1/4 x 15			

DRILLING STRING

SIZE	STANDS	SINGLES	DRILL COL.	KELLY IN	CORE BBL.
4	2773.44	31.50	608.08	37.50	

MUD RECORD

TYPE OF MUD	WEIGHT	VIS	WL	PH	FC

ADDITIVES

CORING

NO.	FROM	TO	RECOVERED	FORMATION

SURVEY: DEG. AT FT. | DEG. AT FT. | DEG. AT FT.

DRILL STEM TESTS

NO. INTERVAL FORMATION
VALVE OPEN (MINS.) INITIAL SHUT-IN (MINS.) FINAL SHUT-IN (MINS.)
GAS TO SURFACE MIN. @ MCF/D MAX.
OIL TO SURFACE MIN. @ BBL/D MAX.
RECOVERY:
PRESSURES: IHP FHP IFP FFP ISIP FSIP

FROM	TO	DESCRIPTION OF WORK
4:00	12:00	LOGGING BY SCHLUMBERGER.
		LES from 3432 - 2" on Scale 5"
		S.L.C.C.L. 3431 - 2700 " 5"
		E.D.C. 3431 - 2700 " 5"
		S.N.P. 3431 - 2700 " 5"

DRILLER: R. Maloney — NO. HELPERS: 4

52 - 8BAX4
REV. 3/69

Hudson's Bay Oil and Gas Company Limited

DAILY DRILLERS REPORT

DATE March 7/70

WELL NAME	H.B. Great Plains D'25	LDG. FLG. TO KB	14.0'	CASING RECORD	DEPTH	SIZE	WEIGHT	GRADE	CEMENT	ACID	PLUG DOWN	COMPANY SUPERVISOR
CONTRACTOR	C.P. Drilling	K. B. ELEV.	929.40		580	10 3/4	32.75	H 40	340 SAX	27 GAL	1:30 AM 7/70	
RIG NO.	12	GRD. ELEV.	1070									A.C. Sudmeier

	12 P.M. TO 8 A.M.	8 A.M. TO 4 P.M.	4 P.M. TO 12 P.M.
DEPTH	START 3410 PROGRESS 9 END 3419	START 3419 PROGRESS END	START 3419 PROGRESS END TD

BIT RECORD

NO.	SERIAL NO.	TYPE	SIZE	FROM	TO	FOOTAGE	HRS. RUN
6	20406	X55R	8 3/4	3368	3419	46	10 3/4

NO.	SERIAL NO.	TYPE	SIZE	FROM	TO	FOOTAGE	HRS. RUN
6	20806	X55R	8 3/4	3368	3419	46	10 3/4

NO.	SERIAL NO.	TYPE	SIZE	FROM	TO	FOOTAGE	HRS. RUN
RR 6	20806	X55R	8 3/4				

DRILLING DATA

LINER SIZE	PUMP PRESSURE	TABLE SPEED	WEIGHT ON BIT
6 1/4	1000	40-50	40M

LINER SIZE	PUMP PRESSURE	TABLE SPEED	WEIGHT ON BIT
6 1/4	1000	46/50	40M

LINER SIZE	PUMP PRESSURE	TABLE SPEED	WEIGHT ON BIT
6 1/4 X 15	450		

DRILLING STRING

SIZE	STANDS	SINGLES	DRILL COL.	KELLY IN	CORE BBL.
4"					

SIZE	STANDS	SINGLES	DRILL COL.	KELLY IN	CORE BBL.
4"	2773.44	31.50	608.08	37.50	

SIZE	STANDS	SINGLES	DRILL COL.	KELLY IN	CORE BBL.
4"	2773.44	31.50	608.08	37.50	

MUD RECORD

TYPE OF MUD	WEIGHT	VIS	WL	PH	FC
GEL BASE	9.4	104	9.8	8.5	2/32

ADDITIVES

TYPE OF MUD	WEIGHT	VIS	WL	PH	FC
Gel Based	9.4	104	9.8	8.5	2/32

ADDITIVES

TYPE OF MUD	WEIGHT	VIS	WL	PH	FC

ADDITIVES GEL 1000 #

CORING

NO.	FROM	TO	RECOVERED	FORMATION

NO.	FROM	TO	RECOVERED	FORMATION

NO.	FROM	TO	RECOVERED	FORMATION

SURVEY

2 1/2 DEG. AT 3382 FT. | DEG. AT FT. | DEG. AT FT.

DEG. AT FT. | DEG. AT FT. | DEG. AT FT.

DEG. AT FT. | DEG. AT FT. | DEG. AT FT.

DRILL STEM TESTS

NO. INTERVAL FORMATION

VALVE OPEN (MINS.) INITIAL SHUT-IN (MINS.) FINAL SHUT-IN (MINS.)

GAS TO SURFACE MIN. @ MCF/D MAX.

OIL TO SURFACE MIN. @ BBL/D MAX.

RECOVERY:

PRESS-URES	IHP	FHP	IFP	FFP	ISIP	FSIP

NO. 1 INTERVAL 3160-3200 FORMATION Hnile

VALVE OPEN (MINS.) 30 INITIAL SHUT-IN (MINS.) 30 FINAL SHUT-IN (MINS.) 60

GAS TO SURFACE MIN. @ MCF/D MAX.

OIL TO SURFACE MIN. @ BBL/D MAX.

RECOVERY: NO REC.

PRESS-URES	IHP	FHP	IFP	FFP	ISIP	FSIP
	1662	222	322	332	222	1671

NO. INTERVAL FORMATION

VALVE OPEN (MINS.) INITIAL SHUT-IN (MINS.) FINAL SHUT-IN (MINS.)

GAS TO SURFACE MIN. @ MCF/D MAX.

OIL TO SURFACE MIN. @ BBL/D MAX.

RECOVERY:

PRESS-URES	IHP	FHP	IFP	FFP	ISIP	FSIP

REMARKS INCLUDING: CEMENTING, LOGGING, PERFORATING, ACIDIZING, FRACTURING, PLUGS

FROM	TO	DESCRIPTION OF WORK
12:00	2:00	Drlg 8 3/4" Hole.
2:00	2:30	Circ.
2:30	3:00	Trip Survey, Rig Serv, Blow Kelly
3:00	5:00	Trip Out
5:00		Pick up Packer + Service Same.

FROM	TO	DESCRIPTION OF WORK
8:00	10:00	Run in D.S.T. #1
10:00	12:00	Head up + Test
12:00	3:00	Pull D.S.T. #1 Tight 2 Stands
3:00	4:00	Service + lay down D.S.T.
		Ran D.S.T. #1 - 3160 - 3200
		Initial Shut-in 30 min. V.O. 30 min
		Final shut in 30 Min, Weak air
		Blow on PRE Flow Holding Steady for 5 min No Blow on Final Flow
		and Fluid Rec. Bottom Hole Temperature 102

FROM	TO	DESCRIPTION OF WORK
4:00	5:00	Lay Down DST #1 Ser.
5:00	5:15	Rig Ser.
5:15	6:30	Cut Slip D Line
6:30	7:45	Run in To 3232
7:45	9:30	Ream From 3232 To 3419 - 200 FT
9:30	12:00	Circ W O Log Truck

DRILLER J.D. Mahoney NO. HELPERS 4

DRILLER A.M. Reynolds NO. HELPERS 4

DRILLER LYLE TYSON NO. HELPERS 4

52 - 8BAX4
REV.3/69

Hudson's Bay Oil and Gas Company Limited

DAILY DRILLERS REPORT

WELL NAME H.B. GREAT PLAINS D25 — DATE March 6/70

CONTRACTOR G.P. DRILLING — TYPE RIG T-16

RIG NO. 12 — TOOL PUSHER

LDG. FLG. TO KB 14.02

K.B. ELEV. 929.10

GRD. ELEV. 1070

CASING RECORD	DEPTH	SIZE	WEIGHT	GRADE	CEMENT	ACID	PLUG DOWN	COMPANY SUPERVISOR
	580	10 3/4	32.75	H40	540 SAX	22 Cal	1:30 PM Feb 28	A C Sanderson

12 P.M. TO 8 A.M.

DEPTH: START 3358 PROGRESS 10' END 3368

BIT RECORD

NO.	SERIAL NO.	TYPE	SIZE	FROM	TO	FOOTAGE	HRS. RUN
4	10408	X7	8 3/4	3323	3368	45	6 3/4
5	13515	ODV	8 3/4	3368			

DRILLING DATA

LINER SIZE	PUMP PRESSURE	TABLE SPEED	WEIGHT ON BIT
6 1/4	1000	60	40M

DRILLING STRING

SIZE	STANDS	SINGLES	DRILL COL.	KELLY IN	CORE BBL.
4"	2742.44		608.08	1800	

MUD RECORD

TYPE OF MUD	WEIGHT	VIS	WL	PH	FC
GEL BASED	9.5	55	9.2	9.	2/32

ADDITIVES: GEL 1000# BENEX 4#

CORING

NO.	FROM	TO	RECOVERED	FORMATION

SURVEY: DEG. AT FT. | DEG. AT FT. | DEG. AT FT.

DRILL STEM TESTS

NO. INTERVAL FORMATION

VALVE OPEN (MINS.) INITIAL SHUT-IN (MINS.) FINAL SHUT-IN (MINS.)

GAS TO SURFACE MIN. @ MCF/D MAX.

OIL TO SURFACE MIN. @ BBL/D MAX.

RECOVERY:

PRESSURES	IHP	FHP	IFP	FFP	ISIP	FSIP

REMARKS INCLUDING: CEMENTING, LOGGING, PERFORATING, ACIDIZING, FRACTURING, PLUGS

FROM	TO	DESCRIPTION OF WORK
12 AM	3 AM	DRLG 9 3/4" HOLE.
3 AM	5:30	BLOW KELLY & TRIP OUT
5:30	6 AM	RIG SERV & CHANGED BITS
6 AM	7:15	RUN IN.
7:15	8 AM	CLEAN 60' TO BOTTOM

DRILLER Jos Maloney — NO. HELPERS 4

8 A.M. TO 4 P.M.

START 3368 PROGRESS 8' END 3376

NO.	SERIAL NO.	TYPE	SIZE	FROM	TO	FOOTAGE	HRS. RUN
5	13515	ODV	8 3/4	3368	3373	5	1
6	20806	X55R	8 3/4	3373	3376	3	1

LINER SIZE	PUMP PRESSURE	TABLE SPEED	WEIGHT ON BIT
6 1/4	950	55/60	40M

SIZE	STANDS	SINGLES	DRILL COL.	KELLY IN	CORE BBL.
4"	2742.44		608.08	25.48	

TYPE OF MUD	WEIGHT	VIS	WL	PH	FC
Gel. Based	9.5	55	9.2	9.	2/32
	9.5	95	9.2	9.5	2/32

ADDITIVES Qch. 900# Soda Ash 100#

NO.	FROM	TO	RECOVERED	FORMATION

DEG. AT FT. | DEG. AT FT. | DEG. AT FT.

NO. INTERVAL FORMATION

VALVE OPEN (MINS.) INITIAL SHUT-IN (MINS.) FINAL SHUT-IN (MINS.)

GAS TO SURFACE MIN. @ MCF/D MAX.

OIL TO SURFACE MIN. @ BBL/D MAX.

RECOVERY:

PRESSURES	IHP	FHP	IFP	FFP	ISIP	FSIP

FROM	TO	DESCRIPTION OF WORK
8:00	8:30	Rig Serv & B.O.Ps
8:30	9:30	Drlg.
9:30	11:00	~~Hunt~~ Circ Sample
11:00	3:00	Trip For Bit # 6 clean 60ft To Btm.
3:00	4:00	Drlg.

DRILLER R.B. Mcgregor — NO. HELPERS 4

4 P.M. TO 12 P.M.

START 3376 PROGRESS 34 END 3410

NO.	SERIAL NO.	TYPE	SIZE	FROM	TO	FOOTAGE	HRS. RUN
6	20806	X55R	8 3/4	3373	3410	42	8 3/4

LINER SIZE	PUMP PRESSURE	TABLE SPEED	WEIGHT ON BIT
6 1/4 x 15	950	40/50	40M

SIZE	STANDS	SINGLES	DRILL COL.	KELLY IN	CORE BBL.
4"	44	1	608.08	27.98	

TYPE OF MUD	WEIGHT	VIS	WL	PH	FC
GEL BASE	9.4	137			

ADDITIVES GEL - 1000# BENEX - 2# CMC - 50

NO.	FROM	TO	RECOVERED	FORMATION

DEG. AT FT. | DEG. AT FT. | DEG. AT FT.

NO. INTERVAL FORMATION

VALVE OPEN (MINS.) INITIAL SHUT-IN (MINS.) FINAL SHUT-IN (MINS.)

GAS TO SURFACE MIN. @ MCF/D MAX.

OIL TO SURFACE MIN. @ BBL/D MAX.

RECOVERY:

PRESSURES	IHP	FHP	IFP	FFP	ISIP	FSIP

FROM	TO	DESCRIPTION OF WORK
4:00	4:15	Rig SER
4:15	12:00	DRILL 8 3/4 HOLE

DRILLER LYLE TYSON — NO. HELPERS 4

52 - 88AX4
REV. 3/69

Hudson's Bay Oil and Gas Company Limited

DAILY DRILLERS REPORT

DATE March 5/70

WELL NAME	H.B. GREAT PLAINS D25	LDG. FLG. TO KB	10.70
CONTRACTOR	G.P. DRILLING	TYPE RIG T16	K. B. ELEV. 929.10
RIG NO.	12	TOOL PUSHER	GRD. ELEV. 14.10

CASING RECORD

DEPTH	SIZE	WEIGHT	GRADE	CEMENT	ACID	PLUG DOWN	COMPANY SUPERVISOR
~~580~~ 580	10 3/4	32.75	H-40	540 SKS	62 GAL	1:30 AM 3-5-70	A.O. Sandstrom

	12 P.M. TO 8 A.M.	8 A.M. TO 4 P.M.	4 P.M. TO 12 P.M.
DEPTH	START 3232 PROGRESS END 3304	START 3304 PROGRESS 19' END 3323	START 3323 PROGRESS 35' END 3358

BIT RECORD

NO.	SERIAL NO.	TYPE	SIZE	FROM	TO	FOOTAGE	HRS. RUN
3	3118	XV	8 3/4	3138			

NO.	SERIAL NO.	TYPE	SIZE	FROM	TO	FOOTAGE	HRS. RUN
3	3118	XV	8 3/4	3138	3323	185	18

NO.	SERIAL NO.	TYPE	SIZE	FROM	TO	FOOTAGE	HRS. RUN
4	10408	X7	8 3/4	3323	3358	35'	3 3/4

DRILLING DATA

LINER SIZE	PUMP PRESSURE	TABLE SPEED	WEIGHT ON BIT
6 1/4	950	80	30-40 M

LINER SIZE	PUMP PRESSURE	TABLE SPEED	WEIGHT ON BIT
6 1/4	950	80	30/40

LINER SIZE	PUMP PRESSURE	TABLE SPEED	WEIGHT ON BIT
6 1/4 / 15"	950	60	40

DRILLING STRING

SIZE	STANDS	SINGLES	DRILL COL.	KELLY IN	CORE BBL.
4"	43 2681.47	0	608.08	15.00	

SIZE	STANDS	SINGLES	DRILL COL.	KELLY IN	CORE BBL.
4"	43 3681.47		608.08	33.46	

SIZE	STANDS	SINGLES	DRILL COL.	KELLY IN	CORE BBL.
4"	43 2714.83		608.08	32.83	

MUD RECORD

TYPE OF MUD	WEIGHT	VIS	WL	PH	FC
GEL BASED	9.5	55	9	9	2/32
	9.4	65	9	9	2/32

ADDITIVES GEL - 1000# CMC - 50#
WATER - 1/2" stream
BENEX - 4 lbs.

TYPE OF MUD	WEIGHT	VIS	WL	PH	FC
Gel Based	9.5	63	6.2	9.0	2/32

ADDITIVES

TYPE OF MUD	WEIGHT	VIS	WL	PH	FC
GEL BASE	9.2	64			

ADDITIVES

CORING

NO.	FROM	TO	RECOVERED	FORMATION

NO.	FROM	TO	RECOVERED	FORMATION
1/2	3100			

NO.	FROM	TO	RECOVERED	FORMATION

SURVEY

DEG. AT FT.	DEG. AT FT.	DEG. AT FT.

DEG. AT FT.	DEG. AT FT.	DEG. AT FT.

1 1/4 DEG. AT 3320 FT.	DEG. AT FT.	DEG. AT FT.

DRILL STEM TESTS

NO. INTERVAL FORMATION
VALVE OPEN (MINS.) INITIAL SHUT-IN (MINS.) FINAL SHUT-IN (MINS.)
GAS TO SURFACE MIN. @ MCF/D MAX.
OIL TO SURFACE MIN. @ BBL/D MAX.
RECOVERY:
PRESSURES IHP FHP IFP FFP ISIP FSIP

NO. INTERVAL FORMATION
VALVE OPEN (MINS.) INITIAL SHUT-IN (MINS.) FINAL SHUT-IN (MINS.)
GAS TO SURFACE MIN. @ MCF/D MAX.
OIL TO SURFACE MIN. @ BBL/D MAX.
RECOVERY:
PRESSURES IHP FHP IFP FFP ISIP FSIP

NO. INTERVAL FORMATION
VALVE OPEN (MINS.) INITIAL SHUT-IN (MINS.) FINAL SHUT-IN (MINS.)
GAS TO SURFACE MIN. @ MCF/D MAX.
OIL TO SURFACE MIN. @ BBL/D MAX.
RECOVERY:
PRESSURES IHP FHP IFP FFP ISIP FSIP

REMARKS INCLUDING: CEMENTING, LOGGING, PERFORATING, ACIDIZING, FRACTURING, PLUGS

FROM	TO	DESCRIPTION OF WORK
12:00	1:30	DRILLING 8 3/4" HOLE.
1:30	1:45	RIG SERV
1:45	2:45	DRILLING 8 3/4" HOLE.
2:45	3:15	WORK ON PUMP - V VALVES
3:15	3:45	DRILLING 8 3/4" HOLE.
3:45	4:30	CHANGE HEAD - RUBBER
4:30	8:00	DRLG 8 3/4" HOLE.

FROM	TO	DESCRIPTION OF WORK
8:00	9:00	Drlg.
9:00	9:30	Rig Serv + B.O.P.'s
9:30	10:00	Work on Pump.
10:00	2:00	Drlg.
2:00	4:00	Surv + Hoist Bit #3.

FROM	TO	DESCRIPTION OF WORK
4:00	4:15	Finish Hoist out DC
4:15	4:30	RIG SER.
4:30	6:30	Run in with Bit #4
6:30	7:15	Drill 8 3/4 Hole
7:15	9:00	Work on Pump
9:00	12:00	Drill 8 3/4 Hole

DRILLER J. Maloney NO. HELPERS 4

DRILLER W.D. Magnuson NO. HELPERS 4

DRILLER LYLE TYSON NO. HELPERS 4

52 - 88AX4
REV. 3/69A

Hudson's Bay Oil and Gas Company Limited

DAILY DRILLERS REPORT

DATE MARCH 4/70

WELL NAME	H.B. GREAT PLAINS Imp D 25	LDG. FLG. TO KB	14.02
CONTRACTOR	G.P. DRILLING	TYPE RIG	T 16
RIG NO.	12	TOOL PUSHER	
		K. B. ELEV.	929.10
		GRD. ELEV.	10.70

CASING RECORD	DEPTH	SIZE	WEIGHT	GRADE	CEMENT	ACID	PLUG DOWN	COMPANY SUPERVISOR
	580	10 3/4	32.75	H40	540 SKS	27 CAL	130 AM Feb 28	J.C. Sandercock

12 P.M. TO 8 A.M.

DEPTH START 3044 PROGRESS 63 END 3107

BIT RECORD

NO.	SERIAL NO.	TYPE	SIZE	FROM	TO	FOOTAGE	HRS. RUN
2	19767	X16	8 3/4	2515	3107	592	24 1/4

DRILLING DATA

LINER SIZE	PUMP PRESSURE	TABLE SPEED	WEIGHT ON BIT
6 1/4	1000	120	30 ±

DRILLING STRING

SIZE	STANDS	SINGLES	DRILL COL.	KELLY IN	CORE BBL.

MUD RECORD

TYPE OF MUD	WEIGHT	VIS	WL	PH	FC
GEL BASE	9.2	50	9	9	2/32

ADDITIVES
GEL - 1000#
WATER - BENEX 4# /bbl.

CORING

NO.	FROM	TO	RECOVERED	FORMATION

SURVEY: DEG. AT FT. | DEG. AT FT. | DEG. AT FT.

DRILL STEM TESTS

NO. INTERVAL FORMATION
VALVE OPEN (MINS.) INITIAL SHUT-IN (MINS.) FINAL SHUT-IN (MINS.)
GAS TO SURFACE MIN. @ MCF/D MAX.
OIL TO SURFACE MIN. @ BBL/D MAX.
RECOVERY:

PRESSURES	IHP	FHP	IFP	FFP	ISIP	FSIP

REMARKS INCLUDING: CEMENTING, LOGGING, PERFORATING, ACIDIZING, FRACTURING, PLUGS

FROM	TO	DESCRIPTION OF WORK
12 00	12 15	RIG SERV
12 15	1 00	DRLG 8 3/4" HOLE.
1 00	3 45	WORK ON PUMP & CLEAN SUCTION TANK CHANGED HEAD RUBBER & VALVES
3 45		DRLG 8 3/4" HOLE.

DRILLER Joe Mahoney NO. HELPERS 3

8 A.M. TO 4 P.M.

START 3107 PROGRESS 31 END 3138

BIT RECORD

NO.	SERIAL NO.	TYPE	SIZE	FROM	TO	FOOTAGE	HRS. RUN
2	19767	X16	8 3/4	2515	3138	623	27 1/4
3	3114	XV	8 3/4	3138			

DRILLING DATA

LINER SIZE	PUMP PRESSURE	TABLE SPEED	WEIGHT ON BIT
6 1/4	1000	120	30 ±

DRILLING STRING

SIZE	STANDS	SINGLES	DRILL COL.	KELLY IN	CORE BBL.
4"	3492.64	40	608.08	37.50	

MUD RECORD

TYPE OF MUD	WEIGHT	VIS	WL	PH	FC
Gel Benex	9.2	50	9.	9.	2/32

ADDITIVES

CORING

NO.	FROM	TO	RECOVERED	FORMATION

SURVEY: 1 1/2° DEG. AT 3100 FT. | DEG. AT FT. | DEG. AT FT.

DRILL STEM TESTS

NO. INTERVAL FORMATION
VALVE OPEN (MINS.) INITIAL SHUT-IN (MINS.) FINAL SHUT-IN (MINS.)
GAS TO SURFACE MIN. @ MCF/D MAX.
OIL TO SURFACE MIN. @ BBL/D MAX.
RECOVERY:

PRESSURES	IHP	FHP	IFP	FFP	ISIP	FSIP

FROM	TO	DESCRIPTION OF WORK
6 00	6 15	Rig Serv & Pipe Rams.
6 15	11 15	Drlg.
11 15	2 30	Blow Kelly Spin Hoist T.B.I.T. # 2
2 30	4 00	Run in D.C. slip cut drlg line

DRILLER A. Magnuson NO. HELPERS 4

4 P.M. TO 12 P.M.

START 3138 PROGRESS 94 END 3232

BIT RECORD

NO.	SERIAL NO.	TYPE	SIZE	FROM	TO	FOOTAGE	HRS. RUN
3	3118	XV	8 3/4	3138	3232	94	6 1/2

DRILLING DATA

LINER SIZE	PUMP PRESSURE	TABLE SPEED	WEIGHT ON BIT
6 1/4 X 5	1000	80	30 TO 40

DRILLING STRING

SIZE	STANDS	SINGLES	DRILL COL.	KELLY IN	CORE BBL.
4"	2586.48	27	608.08	37.50	

MUD RECORD

TYPE OF MUD	WEIGHT	VIS	WL	PH	FC
GEL BASE	9.2	63	8.8	9.0	3/32

ADDITIVES GEL - 1000#
BENEX - 2#
WATER

CORING

NO.	FROM	TO	RECOVERED	FORMATION

SURVEY: 1 1/2 DEG. AT 3100 FT. | DEG. AT FT. | DEG. AT FT.

DRILL STEM TESTS

NO. INTERVAL FORMATION
VALVE OPEN (MINS.) INITIAL SHUT-IN (MINS.) FINAL SHUT-IN (MINS.)
GAS TO SURFACE MIN. @ MCF/D MAX.
OIL TO SURFACE MIN. @ BBL/D MAX.
RECOVERY:

PRESSURES	IHP	FHP	IFP	FFP	ISIP	FSIP

FROM	TO	DESCRIPTION OF WORK
4 00	4 15	FINISH SLIP & CUT LINE
4 15	4 30	RIG SER
4 30	5 30	RUN IN WITH B.I.T. # 3
5 30	12 00	DRILL 8 3/4 HOLE

DRILLER LYLE TYSON NO. HELPERS 4

52 - 8BAX4
REV. 3/69

Hudson's Bay Oil and Gas Company Limited

DAILY DRILLERS REPORT

WELL NAME: H.B. GREAT PLAINS D25
CONTRACTOR GP DRILLING
RIG NO. 12
TYPE RIG 1, 1B
TOOL PUSHER

LDG. FLG. TO KB 1402
K. B. ELEV. 1329.10
GRD. ELEV. 1070

DATE March 3/70

CASING RECORD	DEPTH	SIZE	WEIGHT	GRADE	CEMENT	ACID	PLUG DOWN	COMPANY SUPERVISOR
	580	10 3/4	32.75	H 40	540 SAX	2% CC	1:30 PM MST 2/26/70	L.C. Sandercock

12 P.M. TO 8 A.M.

DEPTH: START 2515 PROGRESS 247 END 2762

BIT RECORD

NO.	SERIAL NO.	TYPE	SIZE	FROM	TO	FOOTAGE	HRS. RUN
2	19767	XIG	8 3/4	2515	~~4900~~	247	5

DRILLING DATA

LINER SIZE	PUMP PRESSURE	TABLE SPEED	WEIGHT ON BIT
6 1/4	1000	120	10-15-20

DRILLING STRING

SIZE	STANDS	SINGLES	DRILL COL.	KELLY IN	CORE BBL.
4	34 2116.65	0	20 608.08	37.50	

MUD RECORD

TYPE OF MUD	WEIGHT	VIS	WL	PH	FC

ADDITIVES GEL 6500#
BENEX 26 LBS. SODA ASH 200
CMC: 200 LBS

CORING

NO.	FROM	TO	RECOVERED	FORMATION

SURVEY: DEG. AT FT. | DEG. AT FT. | DEG. AT FT.

DRILL STEM TESTS

NO. INTERVAL FORMATION
VALVE OPEN (MINS.) INITIAL SHUT-IN (MINS.) FINAL SHUT-IN (MINS.)
GAS TO SURFACE MIN. @ MCF/D MAX.
OIL TO SURFACE MIN. @ BBL/D MAX.
RECOVERY:
PRESSURES IHP FHP IFP FFP ISIP FSIP

REMARKS INCLUDING: CEMENTING, LOGGING, PERFORATING, ACIDIZING, FRACTURING, PLUGS

FROM	TO	DESCRIPTION OF WORK
12 00	12 15	Rig SERV
12 15	2 15	Ream From 2335 To 2515
		Hole Sluffing In Very Bad
2 15	2 45	Drlg.
2 45	3 30	Wt. Torque (Slipping)
3 30	8 00	Drlg.

DRILLER J. Maloney NO. HELPERS 4

8 A.M. TO 4 P.M.

DEPTH: START 2762 PROGRESS 163' END 2925

BIT RECORD

NO.	SERIAL NO.	TYPE	SIZE	FROM	TO	FOOTAGE	HRS. RUN
2	19767	XIG	8 3/4	2515	2925	410	11 1/2

DRILLING DATA

LINER SIZE	PUMP PRESSURE	TABLE SPEED	WEIGHT ON BIT
6 1/4	1000	120/110	10-15-20

DRILLING STRING

SIZE	STANDS	SINGLES	DRILL COL.	KELLY IN	CORE BBL.
4"	37 2304.78		28 608.08	12.14	

MUD RECORD

TYPE OF MUD	WEIGHT	VIS	WL	PH	FC
Gel Based.	8.9.	58	9.6	9.5+	2/32

ADDITIVES Gel.
Soda Ash. 100

CORING

NO.	FROM	TO	RECOVERED	FORMATION

SURVEY: DEG. AT FT. | DEG. AT FT. | DEG. AT FT.

DRILL STEM TESTS

NO. INTERVAL FORMATION
VALVE OPEN (MINS.) INITIAL SHUT-IN (MINS.) FINAL SHUT-IN (MINS.)
GAS TO SURFACE MIN. @ MCF/D MAX.
OIL TO SURFACE MIN. @ BBL/D MAX.
RECOVERY:
PRESSURES IHP FHP IFP FFP ISIP FSIP

FROM	TO	DESCRIPTION OF WORK
6 00	8 30	Drlg
8 30	9 00	Rig Serv & B.O.P's
9 00	10 00	Drlg.
10 00	10 30	Circ Sample
10 30	3 00	Drlg.
3 00	3 30	Work on Pump Motors
3 30	4 00	Drlg

DRILLER B.A. Magahan NO. HELPERS 3

4 P.M. TO 12 P.M.

DEPTH: START 2925 PROGRESS 119 END 3044

BIT RECORD

NO.	SERIAL NO.	TYPE	SIZE	FROM	TO	FOOTAGE	HRS. RUN
2	19767	XIG	8 3/4	2515	3044	529	19 1/4

DRILLING DATA

LINER SIZE	PUMP PRESSURE	TABLE SPEED	WEIGHT ON BIT
6 1/4 X 15	1000	90 TO 110	25 TO 30

DRILLING STRING

SIZE	STANDS	SINGLES	DRILL COL.	KELLY IN	CORE BBL.
4"	38 2368.21	30.55	20 608.08	37.50	

MUD RECORD

TYPE OF MUD	WEIGHT	VIS	WL	PH	FC
GEL BASE	90	51	9.8	9.5	2/32

ADDITIVES GEL 800#
BENEX - 1 1/2 #
CMC. 50#

CORING

NO.	FROM	TO	RECOVERED	FORMATION

SURVEY: 1 1/2 DEG. AT 2500 FT. | DEG. AT FT. | DEG. AT FT.

DRILL STEM TESTS

NO. INTERVAL FORMATION
VALVE OPEN (MINS.) INITIAL SHUT-IN (MINS.) FINAL SHUT-IN (MINS.)
GAS TO SURFACE MIN. @ MCF/D MAX.
OIL TO SURFACE MIN. @ BBL/D MAX.
RECOVERY:
PRESSURES IHP FHP IFP FFP ISIP FSIP

FROM	TO	DESCRIPTION OF WORK
4 00	4 45	Rig SER.
4 45	12 00	Drill 8 3/4 Hole

DRILLER LYLE TYSON NO. HELPERS 3

S2 - 88AX4
REV. 3/69

Hudson's Bay Oil and Gas Company Limited — DAILY DRILLERS REPORT

WELL NAME: H.B. Great Plains D25 | CONTRACTOR: C.P. Drilling | TYPE RIG: T-16 | RIG NO.: 12 | TOOL PUSHER:

LDG. FLG. TO KB: 14.02 | K. B. ELEV.: 929.10 | GRD. ELEV.: 10.90

DATE: March 2/70

CASING RECORD	DEPTH	SIZE	WEIGHT	GRADE	CEMENT	ACID	PLUG DOWN	COMPANY SUPERVISOR
	580	10 3/4	32.75	H40	540 SAX	22 Cal	1:30 PM Feb 28/70	A.C. Sandercock

12 P.M. TO 8 A.M.

DEPTH: START 1899 PROGRESS 250 END 2149

BIT RECORD

NO.	SERIAL NO.	TYPE	SIZE	FROM	TO	FOOTAGE	HRS. RUN
1	20485	X3A	8 3/4	580	2149	1569	21 1/2

DRILLING DATA

LINER SIZE	PUMP PRESSURE	TABLE SPEED	WEIGHT ON BIT
6 1/4	1000	120-150	8-12 M

DRILLING STRING

SIZE	STANDS	SINGLES	DRILL COL.	KELLY IN	CORE BBL.
4	16	0	1627. 16 DC 485.52	37.00	

MUD RECORD

TYPE OF MUD	WEIGHT	VIS	WL	PH	FC
WATER	8.9	28			

ADDITIVES

CORING

NO.	FROM	TO	RECOVERED	FORMATION

SURVEY: 2 1/4 DEG. AT 2050 FT. | DEG. AT FT. | DEG. AT FT.

DRILL STEM TESTS

NO. INTERVAL FORMATION

VALVE OPEN (MINS.) INITIAL SHUT-IN (MINS.) FINAL SHUT-IN (MINS.)

GAS TO SURFACE MIN. @ MCF/D MAX.

OIL TO SURFACE MIN. @ BBL/D MAX.

RECOVERY:

PRESSURES	IHP	FHP	IFP	FFP	ISIP	FSIP

REMARKS INCLUDING CEMENTING LOGGING PERFORATING ACIDIZING FRACTURING PLUGS

FROM	TO	DESCRIPTION OF WORK
12 00	12 30	Drlg. 8 3/4" hole
12 30	12 45	Sig serv.
12 45	2 30	Changed swivel packing
2 30	4 45	Drlg. 8 3/4" hole.
4 45	5 00	Survey (Misrun)
5 00	5 45	Drlg 8 3/4" hole
5 45	6 00	Survey @ 2050 2 1/4°
6 00	6 15	Work on Pump
6 15	8 00	drlg. 8 3/4" Hole.

DRILLER: J. Maloney NO. HELPERS: 4

8 A.M. TO 4 P.M.

START 2149 PROGRESS 366. END 2515

BIT RECORD

NO.	SERIAL NO.	TYPE	SIZE	FROM	TO	FOOTAGE	HRS. RUN
1	20485	X3A	8 3/4	580	2515	1935	27 1/4

DRILLING DATA

LINER SIZE	PUMP PRESSURE	TABLE SPEED	WEIGHT ON BIT
6 1/4	1000	120/110/150	6-10-12

DRILLING STRING

SIZE	STANDS	SINGLES	DRILL COL.	KELLY IN	CORE BBL.
4"	32 1992.90	—	12 DC 485.52	37.50	

MUD RECORD

TYPE OF MUD	WEIGHT	VIS	WL	PH	FC
WATER	8.4	26			

ADDITIVES Water 200 bbls.

CORING

NO.	FROM	TO	RECOVERED	FORMATION

DEG. AT FT. | DEG. AT FT. | DEG. AT FT.

NO. INTERVAL FORMATION

VALVE OPEN (MINS.) INITIAL SHUT-IN (MINS.) FINAL SHUT-IN (MINS.)

GAS TO SURFACE MIN. @ MCF/D MAX.

OIL TO SURFACE MIN. @ BBL/D MAX.

RECOVERY:

PRESSURES	IHP	FHP	IFP	FFP	ISIP	FSIP

FROM	TO	DESCRIPTION OF WORK
8 00	8 30	Drlg.
8 30	8 45	Rig Serv + B.O.Ps
8 45	9 00	Drlg.
9 00	10 00	Clean Tanks.
10 00	3 00	Drlg.
3 00	4 00	Hoist Bit #1

DRILLER: R.B. Mynarski NO. HELPERS: 3

4 P.M. TO 12 P.M.

START 2515 PROGRESS END 2515

BIT RECORD

NO.	SERIAL NO.	TYPE	SIZE	FROM	TO	FOOTAGE	HRS. RUN
2	19767	~~X3A~~ X16	8 3/4	2515			

DRILLING DATA

LINER SIZE	PUMP PRESSURE	TABLE SPEED	WEIGHT ON BIT
6 1/4 X15	1000		

DRILLING STRING

SIZE	STANDS	SINGLES	DRILL COL.	KELLY IN	CORE BBL.
4"	32 1992.90		608.08	37.50	

MUD RECORD

TYPE OF MUD	WEIGHT	VIS	WL	PH	FC

ADDITIVES

CORING

NO.	FROM	TO	RECOVERED	FORMATION

1 1/2 DEG. AT 2500 FT. | DEG. AT FT. | DEG. AT FT.

NO. INTERVAL FORMATION

VALVE OPEN (MINS.) INITIAL SHUT-IN (MINS.) FINAL SHUT-IN (MINS.)

GAS TO SURFACE MIN. @ MCF/D MAX.

OIL TO SURFACE MIN. @ BBL/D MAX.

RECOVERY:

PRESSURES	IHP	FHP	IFP	FFP	ISIP	FSIP

FROM	TO	DESCRIPTION OF WORK
4 00	5 00	WORK TIGHT HOLE + PUMP OUT 4 SINGLES
5 00	7 00	HOIST OUT HOLE
7 00		CLEAN MUD TANKS THAW OUT MUD ROOM + 2" HOSE 1" HOSE + GEL MUD TANK
	9 00	GATES
9 00	10 00	Pick up 4 D.C.
10 00	11 45	Run in with Bit #2
11 45	12 00	Displace Hole

DRILLER: NO. HELPERS:

52 - 88AX4
REV. 3/69

Hudson's Bay Oil and Gas Company Limited

DAILY DRILLERS REPORT

DATE Mar. 1/70

WELL NAME	H. B. Great Plains D-25	LDG. FLG. TO KB	14.02
CONTRACTOR	G P Drilling	K. B. ELEV.	929.10
RIG NO.	12	GRD. ELEV.	10.70
		TYPE RIG	116
		TOOL PUSHER	

CASING RECORD	DEPTH	SIZE	WEIGHT	GRADE	CEMENT	ACID	PLUG DOWN	COMPANY SUPERVISOR
	580	10 3/4	32.75	H 40	540 SAX	27 Feb	1 30 AM 1 Mar 28	J.C.S.

	12 P.M. TO 8 A.M.	8 A.M. TO 4 P.M.	4 P.M. TO 12 P.M.
DEPTH	START 580 PROGRESS 442 END 1022	START 1022 PROGRESS 374 END 1396	START 1396 PROGRESS 503 END 1899

BIT RECORD

NO.	SERIAL NO.	TYPE	SIZE	FROM	TO	FOOTAGE	HRS. RUN
1	20985	X3A	8 3/4	580	1022	442	4 1/4

NO.	SERIAL NO.	TYPE	SIZE	FROM	TO	FOOTAGE	HRS. RUN
1	20985	X3A	8 3/4	580	1396	816	9 1/4

NO.	SERIAL NO.	TYPE	SIZE	FROM	TO	FOOTAGE	HRS. RUN
1	20985	X3A	8 3/4	580	1899	1319	16 1/4

DRILLING DATA

LINER SIZE	PUMP PRESSURE	TABLE SPEED	WEIGHT ON BIT
6 1/4	900	90	20

LINER SIZE	PUMP PRESSURE	TABLE SPEED	WEIGHT ON BIT
6 1/4	900	90	20

LINER SIZE	PUMP PRESSURE	TABLE SPEED	WEIGHT ON BIT
6 1/4 X 15	1000	140 TO 150	8 TO 12

DRILLING STRING

SIZE	STANDS	SINGLES	DRILL COL.	KELLY IN	CORE BBL.
4"	8	449.67	16 485.52	37.50	

SIZE	STANDS	SINGLES	DRILL COL.	KELLY IN	CORE BBL.
4"	873.93	14	16 485.52	37.50	

SIZE	STANDS	SINGLES	DRILL COL.	KELLY IN	CORE BBL.
4"	1331.01	[redacted]	16 485.52	37.50	

MUD RECORD

TYPE OF MUD	WEIGHT	VIS	WL	PH	FC
WATER					

ADDITIVES Press Blind Rams To 1000# - OK
" Pipe Rams " 1000# OK
" Hydril " 1000# OK

TYPE OF MUD	WEIGHT	VIS	WL	PH	FC
WATER	8.6	26			

ADDITIVES WATER.

TYPE OF MUD	WEIGHT	VIS	WL	PH	FC
WATER	8.6	28			

ADDITIVES WATER

CORING

NO.	FROM	TO	RECOVERED	FORMATION

NO.	FROM	TO	RECOVERED	FORMATION

NO.	FROM	TO	RECOVERED	FORMATION

SURVEY

1° DEG. AT 891 FT. | DEG. AT FT. | DEG. AT FT.

2° DEG. AT 1200 FT. | 2 1/2° DEG. AT 1300 FT. | DEG. AT FT.

2° DEG. AT 1365 FT. | 2° DEG. AT 1553 FT. | 2° DEG. AT 1737 FT.

DRILL STEM TESTS

NO. INTERVAL FORMATION
VALVE OPEN (MINS.) INITIAL SHUT-IN (MINS.) FINAL SHUT-IN (MINS.)
GAS TO SURFACE MIN. @ MCF/D MAX.
OIL TO SURFACE MIN. @ BBL/D MAX.
RECOVERY:
PRESSURES IHP FHP IFP FFP ISIP FSIP

NO. INTERVAL FORMATION
VALVE OPEN (MINS.) INITIAL SHUT-IN (MINS.) FINAL SHUT-IN (MINS.)
GAS TO SURFACE MIN. @ MCF/D MAX.
OIL TO SURFACE MIN. @ BBL/D MAX.
RECOVERY:
PRESSURES IHP FHP IFP FFP ISIP FSIP

NO. INTERVAL FORMATION
VALVE OPEN (MINS.) INITIAL SHUT-IN (MINS.) FINAL SHUT-IN (MINS.)
GAS TO SURFACE MIN. @ MCF/D MAX.
OIL TO SURFACE MIN. @ BBL/D MAX.
RECOVERY:
PRESSURES IHP FHP IFP FFP ISIP FSIP

REMARKS INCLUDING: CEMENTING, LOGGING, PERFORATING, ACIDIZING, FRACTURING, PLUGS

FROM	TO	DESCRIPTION OF WORK
12 00	1 30	WOC pressure test pipe rams + hydril to 1000 OK
1 30	3 30	drill out float + shoe
3 30	6 00	drlg 8 3/4" hole.
6 00	7 00	survey
7 00	8 00	drlg

FROM	TO	DESCRIPTION OF WORK
6 00	8 15	Rig Ser + B.O.P.'s
8 15	10 00	Drlg 8 3/4 hole.
10 00	10 15	Replace sub spreader.
10 15	10 45	Drlg
10 45	11 15	Survey at 1200 2°
11 15	12 00	Drlg
12 00	2 00	Surv. at 1300 2 1/2 work tight hole
2 00	4 00	Drlg.

FROM	TO	DESCRIPTION OF WORK
4 00	4 30	Rig SER + SURVEY
4 30	7 00	DRILL 8 3/4 HOLE
7 00	7 15	SURVEY
7 15	10 15	DRILL 8 3/4 HOLE
10 15	10 30	SURVEY
10 30	12 00	DRILL 8 3/4 HOLE

DRILLER J. Maloney NO. HELPERS 4

DRILLER W. J. Magnuson NO. HELPERS 4

DRILLER LYLE TYSON NO. HELPERS 4

52-88AX4
REV.3/69A

Hudson's Bay Oil and Gas Company Limited

DAILY DRILLERS REPORT

DATE Feb 28/70

WELL NAME	H.B. GREAT PLAINS DZS	LDG. FLG. TO KB	14.02
CONTRACTOR	GP DRILLING	K. B. ELEV.	929.10
RIG NO.	12	GRD. ELEV.	10.70
TYPE RIG	116		
TOOL PUSHER			

CASING RECORD	DEPTH	SIZE	WEIGHT	GRADE	CEMENT	ACID	PLUG DOWN	COMPANY SUPERVISOR
	580	10¾	32.75	H40	540 SAX	250 GAL	130 Feb 28 PM	H.C.P.

	12 P.M. TO 8 A.M.	8 A.M. TO 4 P.M.	4 P.M. TO 12 P.M.
DEPTH	START 580 PROGRESS END	START 580 PROGRESS END	START 580 PROGRESS END

BIT RECORD

NO.	SERIAL NO.	TYPE	SIZE	FROM	TO	FOOTAGE	HRS. RUN

NO.	SERIAL NO.	TYPE	SIZE	FROM	TO	FOOTAGE	HRS. RUN

NO.	SERIAL NO.	TYPE	SIZE	FROM	TO	FOOTAGE	HRS. RUN
1	20985	X3A	8¾				

DRILLING DATA

LINER SIZE	PUMP PRESSURE	TABLE SPEED	WEIGHT ON BIT

LINER SIZE	PUMP PRESSURE	TABLE SPEED	WEIGHT ON BIT

LINER SIZE	PUMP PRESSURE	TABLE SPEED	WEIGHT ON BIT

DRILLING STRING

SIZE	STANDS	SINGLES	DRILL COL.	KELLY IN	CORE BBL.

SIZE	STANDS	SINGLES	DRILL COL.	KELLY IN	CORE BBL.

SIZE	STANDS	SINGLES	DRILL COL.	KELLY IN	CORE BBL.
			485.52		

MUD RECORD

TYPE OF MUD	WEIGHT	VIS	WL	PH	FC

ADDITIVES

TYPE OF MUD	WEIGHT	VIS	WL	PH	FC

ADDITIVES

TYPE OF MUD	WEIGHT	VIS	WL	PH	FC

ADDITIVES

CORING

NO.	FROM	TO	RECOVERED	FORMATION

NO.	FROM	TO	RECOVERED	FORMATION

NO.	FROM	TO	RECOVERED	FORMATION

SURVEY

DEG. AT FT. DEG. AT FT. DEG. AT FT.

DEG. AT FT. DEG. AT FT. DEG. AT FT.

DEG. AT FT. DEG. AT FT. DEG. AT FT.

DRILL STEM TESTS

NO. INTERVAL FORMATION

VALVE OPEN (MINS.) INITIAL SHUT-IN (MINS.) FINAL SHUT-IN (MINS.)

GAS TO SURFACE MIN. @ MCF/D MAX.

OIL TO SURFACE MIN. @ BBL/D MAX.

RECOVERY:

PRESSURES IHP FHP IFP FFP ISIP FSIP

NO. INTERVAL FORMATION

VALVE OPEN (MINS.) INITIAL SHUT-IN (MINS.) FINAL SHUT-IN (MINS.)

GAS TO SURFACE MIN. @ MCF/D MAX.

OIL TO SURFACE MIN. @ BBL/D MAX.

RECOVERY:

PRESSURES IHP FHP IFP FFP ISIP FSIP

NO. INTERVAL FORMATION

VALVE OPEN (MINS.) INITIAL SHUT-IN (MINS.) FINAL SHUT-IN (MINS.)

GAS TO SURFACE MIN. @ MCF/D MAX.

OIL TO SURFACE MIN. @ BBL/D MAX.

RECOVERY:

PRESSURES IHP FHP IFP FFP ISIP FSIP

REMARKS INCLUDING: CEMENTING LOGGING PERFORATING ACIDIZING FRACTURING PLUGS

FROM	TO	DESCRIPTION OF WORK
12:00	12:30	CIRC CASING
12:30	1:30	CEMENTING.
1:30	8:00	W.O.C.
		RAN 19 JTS 10¾ 32.75# H40 STC
		CASING SET @ 581.87 LANDED AT 580.
		K.B. CEMENTED W/ 540 SAX PORTLAND
		CEMENT W/ 2% CaCl SLURRY WT 14.6#
		P.O.B. 1:30 P.M. FEB 28
		CEMENT RETURNS 60 BBLS

FROM	TO	DESCRIPTION OF WORK
4:00	4:00	W.O.C. & HEAD UP.

FROM	TO	DESCRIPTION OF WORK
400		W.O.C. AND HEAD UP
		LAY FLARE LINE
		RAP ALL BOP VALVES WITH 1" HOSE
		PRESS TEST BLIND RAMS 1500 PSI OK
		FIX LEAK IN WALKS
		HOOK UP KELLY HOSE -
		RUN IN TO PRESS TEST CASING
12:00		

DRILLER J. Maloney NO. HELPERS 3

DRILLER K.A. Magnuson NO. HELPERS 4

DRILLER Lyle Ingram NO. HELPERS 4

S2 - 88AX4
REV.3/69A

Hudson's Bay Oil and Gas Company Limited

DAILY DRILLERS REPORT

DATE Feb 27/70

WELL NAME H.B GREAT PLAINS D25
CONTRACTOR G.P. DRILLING — TYPE RIG T.16
RIG NO. 12 — TOOL PUSHER

LDG. FLG. TO KB
K. B. ELEV. 979.10
GRD. ELEV. 10.70

CASING RECORD

DEPTH	SIZE	WEIGHT	GRADE	CEMENT	ACID	PLUG DOWN	COMPANY SUPERVISOR
							G.C.S.

	12 P.M. TO 8 A.M.	8 A.M. TO 4 P.M.	4 P.M. TO 12 P.M.
DEPTH	START 422 PROGRESS 41 END 463	START 463 PROGRESS END	START 580 PROGRESS END

BIT RECORD

NO.	SERIAL NO.	TYPE	SIZE	FROM	TO	FOOTAGE	HRS. RUN
12	2ARR 2038	OSC3	15"	422	463	41	4½

NO.	SERIAL NO.	TYPE	SIZE	FROM	TO	FOOTAGE	HRS. RUN
3A	RR2038	OSC3	15	422			

NO.	SERIAL NO.	TYPE	SIZE	FROM	TO	FOOTAGE	HRS. RUN
3ARR	2038	OSC3	15	422	580	158	10

DRILLING DATA

LINER SIZE	PUMP PRESSURE	TABLE SPEED	WEIGHT ON BIT
6¼ X15	200	120	10-12

LINER SIZE	PUMP PRESSURE	TABLE SPEED	WEIGHT ON BIT
6¼	250	120	10-20

LINER SIZE	PUMP PRESSURE	TABLE SPEED	WEIGHT ON BIT
6¾	250	120	10-20

DRILLING STRING

SIZE	STANDS	SINGLES	DRILL COL.	KELLY IN	CORE BBL.
				37.00	

SIZE	STANDS	SINGLES	DRILL COL.	KELLY IN	CORE BBL.

SIZE	STANDS	SINGLES	DRILL COL.	KELLY IN	CORE BBL.
			7 548.04	32.00	

MUD RECORD

TYPE OF MUD	WEIGHT	VIS	WL	PH	FC
	10.1	39			

ADDITIVES GEL 500#

TYPE OF MUD	WEIGHT	VIS	WL	PH	FC
GEL 10 AM	10.2	40			
2 PM	10.4	HT			

ADDITIVES GEL 1000#
WATER.

TYPE OF MUD	WEIGHT	VIS	WL	PH	FC

ADDITIVES Gel 1000#

CORING

NO.	FROM	TO	RECOVERED	FORMATION

NO.	FROM	TO	RECOVERED	FORMATION

NO.	FROM	TO	RECOVERED	FORMATION

SURVEY

DEG. AT FT. | DEG. AT FT. | DEG. AT FT.

1/8 DEG. AT 487 FT. | DEG. AT FT. | DEG. AT FT.

¼ DEG. AT 560 FT. | DEG. AT FT. | DEG. AT FT.

DRILL STEM TESTS

NO. INTERVAL FORMATION
VALVE OPEN (MINS.) INITIAL SHUT-IN (MINS.) FINAL SHUT-IN (MINS.)
GAS TO SURFACE MIN. @ MCF/D MAX.
OIL TO SURFACE MIN. @ BBL/D MAX.
RECOVERY:
PRESSURES IHP FHP IFP FFP ISIP FSIP

NO. INTERVAL FORMATION
VALVE OPEN (MINS.) INITIAL SHUT-IN (MINS.) FINAL SHUT-IN (MINS.)
GAS TO SURFACE MIN. @ MCF/D MAX.
OIL TO SURFACE MIN. @ BBL/D MAX.
RECOVERY:
PRESSURES IHP FHP IFP FFP ISIP FSIP

NO. INTERVAL FORMATION
VALVE OPEN (MINS.) INITIAL SHUT-IN (MINS.) FINAL SHUT-IN (MINS.)
GAS TO SURFACE MIN. @ MCF/D MAX.
OIL TO SURFACE MIN. @ BBL/D MAX.
RECOVERY:
PRESSURES IHP FHP IFP FFP ISIP FSIP

REMARKS INCLUDING: CEMENTING, LOGGING, PERFORATING, ACIDIZING, FRACTURING, PLUGS

FROM	TO	DESCRIPTION OF WORK
12:00	12:15	Rig SER.
12:00	1:00	WORK ON COND BBL + FLOW LINE
1:00	2:00	HOIST PLUGGED BIT
2:00	3:30	PICK UP 9" DC + MAKE UP 9" DC + RUN IN
3:30	8:00	REAM FROM 422 TO 463

DRILLER LYLE TYSON NO. HELPERS 3

FROM	TO	DESCRIPTION OF WORK
8:00	8:15	Rig SERV (463' to 494')
8:15	10:00	DRILLING (REAMING 8¾" TO 15")
10:00	10:15	SURVEY @ 487' - 1/8°
10:15	2:00	DRILLING 15" HOLE.
2:00	4:00	DUMMY TRIP & REAM TIGHT HOLE RUNNING IN.

DRILLER J. Mahoney NO. HELPERS 3

FROM	TO	DESCRIPTION OF WORK
4:00	4:30	RUN IN & REAM TO BTM.
4:30	4:45	Rig SERV.
4:45	5:00	CIRC
5:00	6:30	5 STAND TRIP.
6:30	8:00	P.O.H. TO RUN CASING.
8:15	11:45	Rig up + RUN CASING
11:45	12:00	CIRC CASING

DRILLER A. D. Mogridge NO. HELPERS 4

52 - 88AX4
REV. 3/69

Hudson's Bay Oil and Gas Company Limited

DAILY DRILLERS REPORT

WELL NAME H.B GREAT PLAINS SIMPSON D-25 | LDG. FLG. TO KB | DATE FEB 26 1970

CONTRACTOR G.P. DRILLING | TYPE RIG T 16 | K. B. ELEV. 929.10

RIG NO. 12 | TOOL PUSHER | GRD. ELEV. 1070

CASING RECORD

DEPTH	SIZE	WEIGHT	GRADE	CEMENT	ACID	PLUG DOWN

COMPANY SUPERVISOR G.C.S.

12 P.M. TO 8 A.M.

DEPTH START 371 PROGRESS 62 END 433

BIT RECORD

NO.	SERIAL NO.	TYPE	SIZE	FROM	TO	FOOTAGE	HRS. RUN
1A	12037	OSC3	15"	0	371	371	11½

DRILLING DATA

LINER SIZE	PUMP PRESSURE	TABLE SPEED	WEIGHT ON BIT
6¼ X15	200	120	20-25

DRILLING STRING

SIZE	STANDS	SINGLES	DRILL COL.	KELLY IN	CORE BBL.
4			323.18	3700	5013 2571

MUD RECORD

TYPE OF MUD	WEIGHT	VIS	WL	PH	FC
GEL LIME	9.2	48			

ADDITIVES GEL - 500 #
LIME - 15 #
WATER

CORING

NO.	FROM	TO	RECOVERED	FORMATION

SURVEY ¾ DEG. AT 179 FT. | ¼ DEG. AT 334 FT. | DEG. AT FT.

DRILL STEM TESTS

NO. INTERVAL FORMATION

VALVE OPEN (MINS.) INITIAL SHUT-IN (MINS.) FINAL SHUT-IN (MINS.)

GAS TO SURFACE MIN. @ MCF/D MAX.

OIL TO SURFACE MIN. @ BBL/D MAX.

RECOVERY:

PRESSURES IHP FHP IFP FFP ISIP FSIP

REMARKS INCLUDING: CEMENTING, LOGGING, PERFORATING, ACIDIZING, FRACTURING, PLUGS

FROM	TO	DESCRIPTION OF WORK
12.00	12.15	Rig SER.
12.15	4.15	DRILL 15" HOLE
4.15	430	SURVEY
430	7.15	DRILL 15" HOLE
7.15	730	SURVEY
730	8.00	DRILL 15" HOLE

DRILLER LYLE TYSON NO. HELPERS 3

8 A.M. TO 4 P.M.

START 371 PROGRESS 62 END 433

BIT RECORD

NO.	SERIAL NO.	TYPE	SIZE	FROM	TO	FOOTAGE	HRS. RUN
1A	12037	OSC3	15	0			

DRILLING DATA

LINER SIZE	PUMP PRESSURE	TABLE SPEED	WEIGHT ON BIT
6¼		120-150	

DRILLING STRING

SIZE	STANDS	SINGLES	DRILL COL.	KELLY IN	CORE BBL.
			(3) 6¼ 396-73	DOWN	

MUD RECORD

TYPE OF MUD	WEIGHT	VIS	WL	PH	FC

ADDITIVES GEL-
WATER.

CORING

NO.	FROM	TO	RECOVERED	FORMATION

DEG. AT FT. | DEG. AT FT. | DEG. AT FT.

DRILL STEM TESTS

NO. INTERVAL FORMATION

VALVE OPEN (MINS.) INITIAL SHUT-IN (MINS.) FINAL SHUT-IN (MINS.)

GAS TO SURFACE MIN. @ MCF/D MAX.

OIL TO SURFACE MIN. @ BBL/D MAX.

RECOVERY:

PRESSURES IHP FHP IFP FFP ISIP FSIP

FROM	TO	DESCRIPTION OF WORK
8.00	10.00	DRILLING 15" HOLE.
10.00	10.30	RIG UP AUTOMATIC SAMPLE CATCHER
10.30	10.45	RIG SERV.
10.45	1.00	DRILLING 15" HOLE.
1.00	1.30	REPAIR CRACKE CON. BBL.
1.30	2.00	DRILING 15" HOLE
2.00		TRIP OUT LAY DOWN 8¾"
	3.30	D. COLLAR + PICK UP 6¼" B.H + RUN IN.
3.30	4.00	DRILLING 8¾" HOLE.

DRILLER J. Maloney NO. HELPERS 3

4 P.M. TO 12 P.M.

START 433 PROGRESS 61 END 494

BIT RECORD

NO.	SERIAL NO.	TYPE	SIZE	FROM	TO	FOOTAGE	HRS. RUN
2A	16199	OSC3	8¾	422	494	62	4¼

DRILLING DATA

LINER SIZE	PUMP PRESSURE	TABLE SPEED	WEIGHT ON BIT
6¼	350	60/110	

DRILLING STRING

SIZE	STANDS	SINGLES	DRILL COL.	KELLY IN	CORE BBL.

MUD RECORD

TYPE OF MUD	WEIGHT	VIS	WL	PH	FC

ADDITIVES Gel. 500 #
LIME 25 #

CORING

NO.	FROM	TO	RECOVERED	FORMATION

DEG. AT FT. | DEG. AT FT. | DEG. AT FT.

DRILL STEM TESTS

NO. INTERVAL FORMATION

VALVE OPEN (MINS.) INITIAL SHUT-IN (MINS.) FINAL SHUT-IN (MINS.)

GAS TO SURFACE MIN. @ MCF/D MAX.

OIL TO SURFACE MIN. @ BBL/D MAX.

RECOVERY:

PRESSURES IHP FHP IFP FFP ISIP FSIP

FROM	TO	DESCRIPTION OF WORK
4.00	4.15	Rig Serv.
4.15	4.00	Drlg. 8¾ Hole
4.00	12.00	Work on Cond. B.H.

DRILLER R. J. Thompson NO. HELPERS 3

52 - 88AX4
REV. 3/69

Hudson's Bay Oil and Gas Company Limited

DAILY DRILLERS REPORT

DATE Feb 25. 1970

WELL NAME H.B. GREAT PLAINS SIMPSON D-25-61-20-W121 W4S
CONTRACTOR G.P. Drilling Co TYPE RIG T-46
RIG NO. 12 TOOL PUSHER

LDG. FLG. TO KB
K. B. ELEV. 929.10
GRD. ELEV. 1070

CASING RECORD	DEPTH	SIZE	WEIGHT	GRADE	CEMENT	ACID	PLUG DOWN	COMPANY SUPERVISOR
								AOS

12 P.M. TO 8 A.M.

DEPTH START PROGRESS END

BIT RECORD

NO.	SERIAL NO.	TYPE	SIZE	FROM	TO	FOOTAGE	HRS. RUN

DRILLING DATA

LINER SIZE	PUMP PRESSURE	TABLE SPEED	WEIGHT ON BIT

DRILLING STRING

SIZE	STANDS	SINGLES	DRILL COL.	KELLY IN	CORE BBL.

MUD RECORD

TYPE OF MUD	WEIGHT	VIS	WL	PH	FC

ADDITIVES

CORING

NO.	FROM	TO	RECOVERED	FORMATION

SURVEY: DEG. AT FT. | DEG. AT FT. | DEG. AT FT.

DRILL STEM TESTS

NO. INTERVAL FORMATION
VALVE OPEN (MINS.) INITIAL SHUT-IN (MINS.) FINAL SHUT-IN (MINS.)
GAS TO SURFACE MIN. @ MCF/D MAX.
OIL TO SURFACE MIN. @ BBL/D MAX.
RECOVERY:

PRESSURES	IHP	FHP	IFP	FFP	ISIP	FSIP

REMARKS INCLUDING: CEMENTING, LOGGING, PERFORATING, ACIDIZING, FRACTURING, PLUGS

FROM	TO	DESCRIPTION OF WORK
M.00	8.00	RIGGING UP

DRILLER NO. HELPERS

8 A.M. TO 4 P.M.

START PROGRESS END

NO.	SERIAL NO.	TYPE	SIZE	FROM	TO	FOOTAGE	HRS. RUN

LINER SIZE	PUMP PRESSURE	TABLE SPEED	WEIGHT ON BIT

SIZE	STANDS	SINGLES	DRILL COL.	KELLY IN	CORE BBL.

TYPE OF MUD	WEIGHT	VIS	WL	PH	FC

ADDITIVES

NO.	FROM	TO	RECOVERED	FORMATION

DEG. AT FT. | DEG. AT FT. | DEG. AT FT.

NO. INTERVAL FORMATION
VALVE OPEN (MINS.) INITIAL SHUT-IN (MINS.) FINAL SHUT-IN (MINS.)
GAS TO SURFACE MIN. @ MCF/D MAX.
OIL TO SURFACE MIN. @ BBL/D MAX.
RECOVERY:

PRESSURES	IHP	FHP	IFP	FFP	ISIP	FSIP

FROM	TO	DESCRIPTION OF WORK
8.00	4.00	RIGGING UP MUD PUMP + STEAM LINE

DRILLER NO. HELPERS 3

4 P.M. TO 12 P.M.

START 0 PROGRESS 129 END 129.06

NO.	SERIAL NO.	TYPE	SIZE	FROM	TO	FOOTAGE	HRS. RUN
1A	12037	OSC3	15	0	[illegible]	[illegible]	[illegible]

LINER SIZE	PUMP PRESSURE	TABLE SPEED	WEIGHT ON BIT
6 1/4 x 15	200	120	20-25

SIZE	STANDS	SINGLES	DRILL COL.	KELLY IN	CORE BBL.
6 1/4			9 39.75	37	25'

TYPE OF MUD	WEIGHT	VIS	WL	PH	FC
GEL Lime					

ADDITIVES GEL 1300#
CAUSTIC 100#

NO.	FROM	TO	RECOVERED	FORMATION

DEG. AT FT. | DEG. AT FT. | DEG. AT FT.

NO. INTERVAL FORMATION
VALVE OPEN (MINS.) INITIAL SHUT-IN (MINS.) FINAL SHUT-IN (MINS.)
GAS TO SURFACE MIN. @ MCF/D MAX.
OIL TO SURFACE MIN. @ BBL/D MAX.
RECOVERY:

PRESSURES	IHP	FHP	IFP	FFP	ISIP	FSIP

FROM	TO	DESCRIPTION OF WORK
4.00	5.00	WELD ON COND B.B.L.
5.00	6.30	SPUD IN
6.30	8.00	REPACK SWIVEL
8.00	10.00	DRLG 15" HOLE
10.00	10.30	MIXED MUD
10.30	11.30	DRLG 15" HOLE
11.30	11.45	SURVEY
11.45	12.00	DRILLING

DRILLER D.C. HAYNORTON NO. HELPERS 3

GENERAL PETROLEUMS DRILLING

DAILY DRILLING LOG

DIRECTIONS TO WELL: 41 miles West Simpson Trail

RIG NO. 12 — LOCATION: Hudson Bay Mount Plains — LSD D SEC. 25 TWP. — RGE. — W. — DATE: March 11 19 70

MAILING POINT: FORT Simpson — SHIPPING POINT: FORT Simpson — MILES MOVED: 314 — ROAD CONDITIONS: Rough — DAYS FROM SPUD: 13 1/4

TOUR MIDNIGHT TO 8 AM TOUR

From: T — Footage: D — To: — Hrs. on Bottom: — Wt. Drill Pipe (1000 lbs.): — Stands: — Singles: — DRILL COLLARS: No. — O.D. — I.D. — Length — Air Wt. — Sub. Wt. — C.B. Ft. — Ft. up on Kelly

BIT	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
1																		
T																		
S																		

MUD	12 mn.	2 a.m.	4 a.m.	6 a.m.	PUMP	12 mn.	2 a.m.	4 a.m.	6 a.m.	PUMP	12 mn.	2 a.m.	4 a.m.	6 a.m.
WEIGHT					No. 1 PRESSURE					No. 2 PRESSURE				
VISCOSITY					MODEL S.P.M.					MODEL S.P.M.				
GEL					LINER SIZE					LINER SIZE				

W.L. F.C. pH. DESILTER: Hours Op: U. Flow: O. Flow:

ADDITIVES: GENERAL:

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Feet Slip	Feet Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1	WRIGHT	5613	8			4706	135	120	4098	7/7/70	4498	1737

MOTOR HOURS	Next Oil Change
1 5578	5302
2 7456	7480
3 4336	4380
4 4704	4734
5 5840	6168

SURVEYS: At Feet / Degrees

Weather: Water: Temp. Bbls.

8 AM TO 4 PM TOUR

From: 3472 — Footage: — To: — Hrs. on Bottom: — Wt. Drill Pipe (1000 lbs.): — Stands: — Singles: — DRILL COLLARS: Laid Down. — No. — O.D. — I.D. — Length — Air Wt. — Sub. Wt. — C.B. Ft. — Ft. up on Kelly

BIT	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
1																		
T																		
S																		

MUD	8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP	8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP	8 a.m.	10 a.m.	12 noon	2 p.m.
WEIGHT					No. 1 PRESSURE					No. 2 PRESSURE				
VISCOSITY					MODEL S.P.M.					MODEL S.P.M.				
GEL					LINER SIZE					LINER SIZE				

W.L. F.C. pH. DESILTER: Hours Op: U. Flow: O. Flow:

ADDITIVES: GENERAL:

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Feet Slip	Feet Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1	WRIGHT	5613	8			4706	135	120	4098	7/7/70	4498	1737

MOTOR HOURS	Next Oil Change
1 5586	5302
2 7464	7480
3 4336	4380
4 4704	4734
5 5840	6168

SURVEYS: At Feet / Degrees

Weather: C.A.R. Water: 100 Bbls. Temp. 5° +

4 PM TO MIDNIGHT TOUR

From: 3472 — Footage: — To: — Hrs. on Bottom: — Wt. Drill Pipe (1000 lbs.): — Stands: — Singles: — DRILL COLLARS: — No. — O.D. — I.D. — Length — Air Wt. — Sub. Wt. — C.B. Ft. — Ft. up on Kelly

BIT	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
1																		
T																		
S																		

MUD	4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP	4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP	4 p.m.	6 p.m.	8 p.m.	10 p.m.
WEIGHT					No. 1 PRESSURE					No. 2 PRESSURE				
VISCOSITY					MODEL S.P.M.					MODEL S.P.M.				
GEL					LINER SIZE					LINER SIZE				

W.L. F.C. pH. DESILTER: Hours Op: U. Flow: O. Flow:

ADDITIVES: GENERAL:

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Feet Slip	Feet Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1	WRIGHT	5613	8			4706	135	120	4098	7/7/70	4498	1737

MOTOR HOURS	Next Oil Change
1 5586	5302
2 7464	7480
3 4336	4380
4 4504	4634
5 5840	6168

SURVEYS: At Feet / Degrees

Weather: Water: Temp. Bbls.

B.O.P.	Tested	Elapsed Time	Pressure	Packing & Seal Inspected Date
Hydril				
Pipe Rams.	Laid Down.			
Blind Rams:				

TOTCO RING ON BIT = — Boiler Operated 24 Hrs.

Crown-o-matic Chk'd.	G.M.	Fuel on Hand 12.01 a.m.	gals.
Rig Savers Chk'd.	G.M.	Fuel Rec'd Today (odd)	gals.
Kelly Cock Chk'd.		TOTAL	gals.
Fire Equip. Chk'd.		Fuel on Hand 11.59 p.m. (deduct)	gals.
		FUEL USED	gals.

CASING REPORT — RAN JTS CSG — TO KB. USED SAX CEM — PLUS % PLUG DOWN A.M. P.M. — CEMENT RETURNS - (YES/NO)

RENTAL EQUIPMENT ON HAND — TRANSFER #

DAYS FROM SPUD: 13 1/4

EQUIPMENT CHANGES

TOTAL COMPANY TIME HRS. — TOTAL CONTRACTOR'S TIME HRS.

Approved by: Operator's Representative

Approved by Toolpusher Lyn-D Cruet

TIME START	TIME STOP	INTVL	REMARKS
12⁰⁰			WAIT on CEMENT & LAY DOWN
	4⁰⁰	4	D. PIPE
4⁰⁰			Work on Big Light Plant &
	8⁰⁰	4	DRAIN LINES
			TOP PLUG FELT @ 4^ Am.
			PLUG TOP @ 520'
			FIRES — DRILLER'S SIGNATURE
8⁰⁰			LAY DOWN B.O.P
			LAY DOWN PRE-FABS
			LAY DOWN DERRICK
			CLEAN up Rig
			Light Plant Motor
			NOT RUNNING
	4⁰⁰		
			FIRES — DRILLER'S SIGNATURE
			Rear Out Pump
			Clean Mud Tanks.
			R.C. RELEASED 4⁰⁰ P.M.
			March 11, 70
			FIRES — DRILLER'S SIGNATURE

CONSERVATION BOARD COPY

GP 1710

GENERAL PETROLEUMS DRILLING

DAILY DRILLING LOG

RIG NO 12 LOCATION Hudson Bay Great Plains LSD D SEC. 25 TWP. ___ RGE. ___ W. ___ DATE March 10 1970

DIRECTIONS TO WELL 1/4 West Simpson Trail MAILING POINT Fort Simpson SHIPPING POINT Fort Simpson MILES MOVED 314 ROAD CONDITIONS Rough DAYS FROM SPUD 12 1/4

TOUR MIDNIGHT TO 8 AM TOUR

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles
3432		T.D.				

DRILL COLLARS: No. 6, O.D. 6 1/4, I.D. 2 1/4, Length, Air Wt., Sub. Wt., C.B. Ft., Ft. up on Kelly

BITS	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
				TESTING														

MUD	12 mn.	2 a.m.	4 a.m.	6 a.m.
WEIGHT				
VISCOSITY				
GEL				

PUMP No. 1 / No. 2: PRESSURE, MODEL, S.P.M., LINER SIZE — 12 mn. 2 a.m. 4 a.m. 6 a.m.

W.L. F.C. pH. DESILTER: Hours Op: U. Flow: O. Flow:

ADDITIVES: GENERAL:

SURVEYS: At Feet / Degrees

MOTOR HOURS	Next Oil Change
1 3554	5202
2 7432	7480
3 4212	4280
4 4480	4624
5 5816	6168

Weather CLEAR Temp. 10 T Water 180 Bbls.

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Feet Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1	WRIGHT	5613	8	1	48	4234	120	120	4098	7/3/70	4448	1737

REMARKS

TIME START	STOP	INTVL
12	2	2
2	4 00	2
4 00	5 30	1 1/2
5 30	6 00	1/2
6 00	7 30	1 1/2
7 30	7 45	1/4
7 45	8 00	1/4

W.O.O. Circ Hole.
P.O.H.
Make up D.S.T. #2.
Pick up D.C.
Run in with DST #2
Rig up testing head
Test

FIRES — DRILLER'S SIGNATURE

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles
3432		T.D.				

DRILL COLLARS: No. ___, O.D. ___, I.D. ___, Length ___, Air Wt. ___, Sub. Wt. ___, C.B. Ft. ___, Ft. up on Kelly ___

BITS	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
	RAN	DST #2		FROM 3245 TO 3432		151	30 MIN	NO	30 MIN	FSI	60 MIN	FHP		164				
	ISIP 1364	IAP 300		FFP 193	FSIP 1398	FHP 1411		FAIR	BLOW ON	PRE-FLOW	Holding							
	STEADY	ON	FINAL	FLOW	PIPE	REC 185	Drilling	MUD.										

MUD	8 a.m.	10 a.m.	12 noon	2 p.m.
WEIGHT	9.7			
VISCOSITY	100			
GEL				

PUMP No. 1 / No. 2: PRESSURE, MODEL, S.P.M., LINER SIZE — 8 a.m. 10 a.m. 12 noon 2 p.m.

W.L. 9.9 F.C. 2/32 pH. 8.5 DESILTER: Hours Op: U. Flow: O. Flow:

ADDITIVES: GENERAL:

SURVEYS: At Feet / Degrees

MOTOR HOURS	Next Oil Change
1 5562	5202
2 7440	7480
3 4220	4280
4 4488	4624
5 5824	6168

Weather ___ Temp. ___ Water ___ Bbls.

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Feet Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1	WRIGHT	5613	8	1	30	4264	120	120	4098	7-3-70	4448	1737

FIRES NIL — DRILLER'S SIGNATURE

TOUR 4 PM TO MIDNIGHT

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles
3432	T.D.					

DRILL COLLARS: No. ___, O.D. ___, I.D. ___, Length ___, Air Wt. ___, Sub. Wt. ___, C.B. Ft. ___, Ft. up on Kelly ___

Laid Down

BITS	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
	RAN	Plug #1		FROM 3432 - 3100		WILL	132	SAME	FORMAT	CORES								
	BOBS	MUD	IN	PLACE	TO	8	DIA.		RAN	SAME	8	7/8	FROM	1-30	-	520	ON	90
	15th	SAME	-	6th	RAN	IN	PLACE	OF	8	5/8	HOLE.							

MUD	4 p.m.	6 p.m.	8 p.m.	10 p.m.
WEIGHT				
VISCOSITY				
GEL				

PUMP No. 1 / No. 2: PRESSURE, MODEL, S.P.M., LINER SIZE — 4 p.m. 6 p.m. 8 p.m. 10 p.m.

W.L. F.C. pH. DESILTER: Hours Op: U. Flow: O. Flow:

ADDITIVES: GENERAL:

SURVEYS: At Feet / Degrees

MOTOR HOURS	Next Oil Change
1 5570	5786
2 7460	7480
3 4278	4280
4 4456	4624
5 5932	6168

Weather DUST/FOG Temp. 0 Water 170 Bbls.

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Feet Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
			4113	8	1		4306	15	120	4098	7/3/70	4448	1737

FIRES — DRILLER'S SIGNATURE

REMARKS

TIME START	STOP	INTVL
8 00	8 15	1/4
8 15	9 30	1 1/4
9 30	11 30	2
11 30		
	2 00	2 1/2
2 00	3 30	1 1/2
3 30	4 00	1/2
4 00	4 45	3/4
4 45	5 15	1
5 45		
	7 15	1 1/2
7 15	8 30	1 1/2
8 30	12 00	3 1/2

Rig SER
Testing
Hoist out with DST #2
Lay Down Testing Tools + SER T
Load out
Run in DC + Lay Down
Run with Drill Pipe
Run in
Circ Before Running Plug
Run Plug #1 & Pull 2 STD
Circ. Before Running Plug #2
Pull Out & Run Plug #2
Lay Down Drill Pipe.

FIRES — DRILLER'S SIGNATURE

B.O.P.	Tested	Elapsed Time	Pressure	Parkin & Seal Inspected Date
Hydril				
Pipe Rams.				
Blind Rams.				

TOTCO RING ON BIT # ___ Boiler Operated: 9 1/2 Hrs.

Crown-o-matic Chk'd. ___ Rig Savers Chk'd. ___ Kelly Cock Chk'd. ___ Fire Equip. Chk'd. ___

Fuel on Hand 12.01 a.m.	2379	gals.
Fuel Rec'd Today (add)		gals.
TOTAL		gals.
Fuel on Hand 11.59 p.m. (deduct)		gals.
FUEL USED		gals.

CASING REPORT

RAN 10 JTS 10 3/4 CSG

TO 350 KB. USED 5 (est) SAY 345 CEM

PLUG DOWN 7 30 A.M. P.M. PLUS 3 % CC

CEMENT RETURNS - (YES/NO) YES

RENTAL EQUIPMENT ON HAND — TRANSFER #

DAYS FROM SPUD: 12 1/4

EQUIPMENT CHANGES

TOTAL COMPANY TIME HRS. ___ TOTAL CONTRACTOR'S TIME HRS. ___

Approved by Operator's Representative L.C. Landsmith

Approved by Toolpusher [illegible]

CONSERVATION BOARD COPY

GP 1709

GENERAL PETROLEUMS DRILLING

DAILY DRILLING LOG

RIG NO. 12 LOCATION Hudson's Bay-Great Plains LSD D SEC 25 TWP. RGE. W. DATE March 9 19 70

DIRECTIONS TO WELL 41 miles S.W. Simpson Trail MAILING POINT Fort Simpson SHIPPING POINT Fort Simpson MILES MOVED 214 ROAD CONDITIONS Rough DAYS FROM SPUD 11

TOUR MIDNIGHT TO 8 AM TOUR

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. up on Kelly
3432	T.D.	3432													

B.	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
I.																		
T.																		
S.																		

MUD	12 mn.	2 a.m.	4 a.m.	6 a.m.	PUMP	12 mn.	2 a.m.	4 a.m.	6 a.m.	PUMP	12 mn.	2 a.m.	4 a.m.	6 a.m.
WEIGHT					No. 1 PRESSURE					No. 2 PRESSURE				
VISCOSITY			40.0		MODEL					MODEL				
GEL					S.P.M.					S.P.M.				
W.L.	F.C.	pH.			LINER SIZE					LINER SIZE				

DESILTER: Hours Op: U. Flow: O. Flow:

ADDITIVES: GENERAL:

SURVEYS	At Feet	Degrees

MOTOR HOURS	Next Oil Change
1 5530	5202
2 7408	7480
3 4196	4780
4 4456	4624
5 5792	6164
Weather Clear	Water
Temp. -10	150 Bbls.

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1"	Wright	5113	8	1/2	17	4197	120	120	4088	7/3/70	4448	1737

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. up on Kelly
3432	TD	3432													

	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
I.																		
T.																		
S.																		

MUD	8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP	8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP	8 a.m.	10 a.m.	12 noon	2 p.m.
WEIGHT					No. 1 PRESSURE					No. 2 PRESSURE				
VISCOSITY					MODEL					MODEL				
GEL					S.P.M.					S.P.M.				
W.L.	F.C.	pH.			LINER SIZE					LINER SIZE				

DESILTER: Hours Op: U. Flow: O. Flow:

ADDITIVES: GENERAL:

SURVEYS	At Feet	Degrees

MOTOR HOURS	Next Oil Change
1 5538	5202
2 7416	7480
3 4196	4780
4 4464	4624
5 5800	6168
Weather CLEAR	Water
Temp. 20+	175 Bbls.

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1	WRIGHT	5613	8				120	120	4098	7-3-70	4448	1737

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. up on Kelly
3432	1.D.			54	1										2200
				336958	3150										

	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
I.																		
T.																		
S.																		

MUD	4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP	4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP	4 p.m.	6 p.m.	8 p.m.	10 p.m.
WEIGHT					No. 1 PRESSURE					No. 2 PRESSURE				
VISCOSITY					MODEL					MODEL				
GEL					S.P.M.					S.P.M.				
W.L.	F.C.	pH.			LINER SIZE					LINER SIZE				

DESILTER: Hours Op: U. Flow: O. Flow:

ADDITIVES: GENERAL:

SURVEYS	At Feet	Degrees

MOTOR HOURS	Next Oil Change
1 5546	5202
2 7424	7480
3 4204	4780
4 4477	4624
5 5808	6168
Weather Clear	Water
Temp. +25	200 Bbls.

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1	WRIGHT	5613	8	4	19	4496	120	120	4088	7/3/70	4448	1737

B.O.P.	Tested	Elapsed Time	Previous	Packing & Seal Inspected Date
Hydril				
Pipe Rams		operating		
Blind Rams				

TOTCO RING ON BIT — Boiler Operated: 24 Hrs.

Crown-o-matic Chk'd.	0.K
Rig Savers Chk'd.	O.K
Kelly Cock Chk'd.	
Fire Equip. Chk'd.	O.K

Fuel on Hand 12.01 a.m.	2741 gals.
Fuel Rec'd Today (add)	gals.
TOTAL	gals.
Fuel on Hand 11.59 p.m. (deduct)	2279 gals.
FUEL USED	462 gals.

CASING REPORT — RAN 19 JTS 10 3/4 CSG

TO 540 KB. USED 540 SAX Common CEM

PLUS 3 % C.C. PLUG DOWN 1 A.M. P.M.

CEMENT RETURNS - (YES/NO) yes

EQUIPMENT CHANGES

RENTAL EQUIPMENT ON HAND — TRANSFER

DAYS FROM SPUD: 11 1/4

TOTAL COMPANY TIME HRS. — TOTAL CONTRACTOR'S TIME HRS.

Approved by Operator's Representative L. C. Sandercock

Approved by Toolpusher J. McDonald

CONSERVATION BOARD COPY

4 PM TOUR 4 PM TO MIDNIGHT

REMARKS	TIME START	TIME STOP	TIME INTVL
WAIT on Logs Evaluation	12 MN	8 AM	8
LAY down 20 D.C.			
Answer 20 singles 627.44			
FIRES — H. A. Magnuson DRILLER'S SIGNATURE			
W.O.O.		8:00	
			400
FIRES N.I. — Lyle Jones DRILLER'S SIGNATURE			
WAIT ON LOG EVALUATION	4 PM	8 PM	4
(RIH IN & PICK UP 20 SINGLES.)	4 PM	10 PM	2
(CIRC & CLEAN SHAKER TANK.)	10 PM	12 PM	2
FIRES — Stan Malonson DRILLER'S SIGNATURE			

GP 1708

GENERAL PETROLEUMS DRILLING

DAILY DRILLING LOG

RIG NO 12 LOCATION Hudson's Bay Great Plains D-25 LSD ___ SEC ___ TWP ___ RGE ___ W. ___ DATE March 8/70 19___

DIRECTIONS TO WELL 41 miles S.W. Simpson Trail

MAILING POINT Fort Simpson SHIPPING POINT Fort Simpson MILES MOVED 341 ROAD CONDITIONS Rough DAYS FROM SPUD 111

TOUR MIDNIGHT TO 8 A.M. TOUR 8 A.M. TO 4 P.M. TOUR 4 P.M. TO MIDNIGHT

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. up on Kelly
3414		3422			277344	31.50		20	6¼	2⅞	608.08				37.50

BIT	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
1	6AR	4 7/8	455R	open	20806	40	40	46	10¾									
2																		
3																		

MUD	12 mn.	2 a.m.	4 a.m.	6 a.m.	PUMP	12 mn.	2 a.m.	4 a.m.	6 a.m.	PUMP	12 mn.	2 a.m.	4 a.m.	6 a.m.
WEIGHT	9.4	9.4	9.4	9.4	No. 1 PRESSURE	400	600	600	800	No. 2 PRESSURE				
VISCOSITY	100	112	120	120	MODEL 250 S.P.M.	60	60	60	60	MODEL S.P.M.				
GEL					LINER SIZE	6¼	6¼	6 11	6 11	LINER SIZE				

W.L. 9.8 F.C. 4/32 pH. 9.5 DESILTER: Hours Op: U. Flow: O. Flow:

ADDITIVES: GENERAL:

SURVEYS At Feet	Degrees
3281	4 1/2

MOTOR HOURS	Next Oil Change
1 5506	5602
2 7384	7480
3 4164	4380
4 4492	4688
5 5268	6168

Weather Clear Temp. −5 Water 150 Bbls.

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1"	WRIGHT	5613	8	½	37	4188	120	120	4044	7/3/70	4498	1737

FIRES ___ DRILLER'S SIGNATURE

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. up on Kelly
3422		3719			277344	31.50		20	6¼	2⅞	608.08				37.50

BIT	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
1																		
2																		
3																		

MUD	8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP	8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP	8 a.m.	10 a.m.	12 noon	2 p.m.
WEIGHT	9.2	9.4	9.4		No. 1 PRESSURE	800	800	800		No. 2 PRESSURE				
VISCOSITY	96	108	149		MODEL 250 S.P.M.	60	60	60		MODEL S.P.M.				
GEL					LINER SIZE	6¼ K15				LINER SIZE				

W.L. 9.9 F.C. 4/32 pH. 8.5 DESILTER: Hours Op: U. Flow: O. Flow:

ADDITIVES: GEL 1200 GEN-FL-3 GENERAL:

SURVEYS At Feet	Degrees

MOTOR HOURS	Next Oil Change
1 5514	5202
2 7392	7480
3 4172	4280
4 4440	4624
5 5776	6168

Weather CLOUDY Temp. 10+ Water 200 Bbls.

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1	WRIGHT	5613	8	½	37	4197	120	120	4088	7-3-70	4498	1737

FIRES NIL ___ DRILLER'S SIGNATURE

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. up on Kelly
T.D 3422		3719			277344	31.50		20	6¼	2⅞	608.08				

BIT	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
1																		
2																		
3																		

MUD	4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP	4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP	4 p.m.	6 p.m.	8 p.m.	10 p.m.
WEIGHT					No. 1 PRESSURE					No. 2 PRESSURE				
VISCOSITY					MODEL S.P.M.					MODEL S.P.M.				
GEL					LINER SIZE					LINER SIZE				

W.L. F.C. pH. DESILTER: Hours Op: U. Flow: O. Flow:

ADDITIVES: GENERAL:

SURVEYS At Feet	Degrees

MOTOR HOURS	Next Oil Change
1 5527	5202
2 7400	7480
3 4130	4280
4 4448	4624
5 5784	6168

Weather CLEAR Temp. 1 — Water 170 Bbls.

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1	WRIGHT	5613	8			4197	120	120	4088	7-3-70	4498	1737

FIRES ___ DRILLER'S SIGNATURE

B.O.P.	Tested	Elapsed Time	Pressure	Packing & Seals Inspected Date
Hydril				
Pipe Rams		0 Hrs.	1,119	
Blind Rams				

TOTCO RING ON BIT Boiler Operated 24 Hrs.

Crown-o-matic Chk'd.	0.K.
Rig Savers Chk'd.	0.K.
Kelly Cock Chk'd.	
Fire Equip. Chk'd.	0.K.

Fuel on Hand 12.01 a.m.	gals.
Fuel Rec'd Today (add)	gals.
32" TOTAL	1741 gals.
Fuel on Hand 11.59 p.m. (deduct)	gals.
FUEL USED	gals.

CASING REPORT RAN 19 JTS 10 3/4 CSG TO 590 KB. USED 540 SAX Circ to CEM PLUG DOWN 12:00 A.M. P.M. PLUS 3 % C. C. CEMENT RETURNS - (YES) (NO)

REMARKS	TIME START	TIME STOP	TIME INTVL
Rig Spar	12:00	12:30	½
ID Stand Trip (No Fish or Bridge	12:30	1:00	½
Circ wait on Logs Schlumberger	1:00	4:00	7
Circ	8:00	12:20	4½
Hoist To Log	12:30	2:30	2
Rig Up Log Tools	2:30	3:00	½
Log	3:00	4:00	1
Good Circ Out of Hole T.D. Depth 3422			
Board T.D. Depth		3419	
Die		12:00	
Logging By Schlumberger	4:00		
Rig		12:00	8
Logs Ran			
Log Run #1 — Tri Cone			5"
Sid Wall — 2nd Run			5"
F.D.C. — 2nd Run			5"
Cal — 2nd Run			5"
			1
			8

FIRES ___ DRILLER'S SIGNATURE

RENTAL EQUIPMENT ON HAND TRANSFER #

DAYS FROM SPUD: 10 1/4

EQUIPMENT CHANGES

TOTAL COMPANY TIME HRS. TOTAL CONTRACTOR'S TIME HRS.

Approved by Operator's Representative J. C. Sandercock

Approved by Toolpusher J. M. Gamache

CONSERVATION BOARD COPY

GP 1707

GENERAL PETROLEUMS DRILLING

DAILY DRILLING LOG — RIG NO 12 — LOCATION H.B. GREAT PLAINS D25 — LSD — SEC — TWP — RGE — W — DATE MARCH 7 19 70

DIRECTIONS TO WELL 41 SW SIMPSON TRAIL — MAILING POINT FORT SIMPSON — SHIPPING POINT FORT SIMPSON — MILES MOVED 341 — ROAD CONDITIONS ROUGH — DAYS FROM SPUD 9¼

TOUR MIDNIGHT TO 8 AM TOUR 8 AM TO 4 PM TOUR 4 PM TO MIDNIGHT

TOUR MIDNIGHT TO 8 AM TOUR

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles
3410	9	3419	2	44	2773.84	1 31.50

DRILL COLLARS: No. 20 — O.D. 6¼ — I.D. 2⅞ — Length 608.08 — Air Wt. — Sub. Wt. — C.B. Ft. — Ft. up on Kelly 37.50

BITS	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
	6	8¾	X55R	2-14 1-13	20806	35M	40-50	46	10¾							3	1	1

MUD	12 mn.	2 a.m.	4 a.m.	6 a.m.	PUMP	12 mn.	2 a.m.	4 a.m.	6 a.m.	PUMP	12 mn.	2 a.m.	4 a.m.	6 a.m.
WEIGHT	9.4+				No. 1 PRES. SURE	1400	1400	1		No. 2 PRES. SURE				
VISCOSITY	42	100			MODEL C S.P.M.	56	56	12		MODEL S.P.M.				
GEL					LINER SIZE	6¼			1P	LINER SIZE				
W.L.	4.8	F.C.	2/32	pH 8.5	DESILTER: Hours Op:		U. Flow:		O. Flow:					

ADDITIVES: — GENERAL:

SURVEYS: At Feet 3382 — Degrees 2⅛

MOTOR HOURS		Next Oil Change
1	3482	3602
2	7360	7450
3	4140	4070
4	4408	4280
5	5760	6168

Weather SNOW — Temp. −5 — Water 200 Bbls.

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip Feet	Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1	WRIGHT	3613	8	12	37	3420	70	90	3638	4-3-70	4059	1857

FIRES — DRILLER'S SIGNATURE: [illegible] Malonen

TOUR 8 AM TO 4 PM

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles
3419				60	2773 44	3650

DRILL COLLARS: No. 20 — O.D. 6¼ — I.D. 2⅞ — Length 608.08 — Air Wt. — Sub. Wt. — C.B. Ft. — Ft. up on Kelly 37.50

BITS	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
	6	8¾	X55R	2-14 1-13	20806	40	40-50	46	10¾							3	1	1

MUD	8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP	8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP	8 a.m.	10 a.m.	12 noon	3 p.m.
WEIGHT					No. 1 PRES. SURE					No. 2 PRES. SURE				
VISCOSITY	TESTING				MODEL C-50 S.P.M.	TESTING				MODEL S.P.M.				
GEL					LINER SIZE					LINER SIZE				
W.L.		F.C.		pH	DESILTER: Hours Op:		U. Flow:		O. Flow:					

ADDITIVES: — GENERAL: Change oil + Filter Pump Motor

SURVEYS: At Feet 3382 — Degrees 2⅛

MOTOR HOURS		Next Oil Change
1	5440	5602
2	7368	7480
3	4154	4070
4	4416	4280
5	5764	6168

Weather Cloudy — Temp. +10 — Water 150 Bbls.

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip Feet	Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1	WRIGHT	5613	8	12	128	4098	00	40	3638	4-3-70	4038	1857

FIRES — DRILLER'S SIGNATURE: [illegible] Malonen

TOUR 4 PM TO MIDNIGHT

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles
2419		TD		60	2773 44	3150

DRILL COLLARS: No. 20 — O.D. 6¼ — I.D. 2⅞ — Length 608.08 — Air Wt. — Sub. Wt. — C.B. Ft. — Ft. up on Kelly 37.50

BITS	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
	6	6¼	GSR	—	20306							2	460	38		CIRC		

MUD	4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP	4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP	4 p.m.	6 p.m.	8 p.m.	10 p.m.
WEIGHT			9.4+	9.4+	No. 1 PRES. SURE			750	450	No. 2 PRES. SURE				
VISCOSITY			88	88	MODEL C-250 S.P.M.			38	38	MODEL S.P.M.				
GEL					LINER SIZE			6¼ x 15		LINER SIZE				
W.L.		F.C.		pH	DESILTER: Hours Op:		U. Flow:		O. Flow:					

ADDITIVES: GEL 1000 # — GENERAL: CUT + SLIP D. LINE

SURVEYS: At Feet 3382 — Degrees 2⅛

MOTOR HOURS		Next Oil Change
1	5498	5602
2	7376	7480
3	4156	4270
4	4424	4620
5	5768	6168

Weather O/C — Temp. 10+ — Water 150 Bbls.

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip Feet	Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1	WRIGHT	5613	8	12½	37	4143	120	120	4278	7-3-70	4038	1737

FIRES N.L. — DRILLER'S SIGNATURE: [illegible]

REMARKS

REMARKS	TIME START	TIME STOP	TIME INTVL
TRIP 8 3/4" HOLE	12 00	2 00	2
CIRC SURVEY, RIG SERV, BLOW KELLY	2 00	2 30	½
DROP SURVEY, RIG SERV, BLOW KELLY	2 30	3 00	½
TRIP OUT	3 00	5 00	2
PICK UP PACKER + SERVICE	5 00	8 00	3
RUN IN D.S.T. #1	9 00	10 00	2
HEAD UP + D.S.T.	10 00	12 00	2
PULL D.S.T. #1 TIGHT 2 STANDS.	12 00	3 00	3
LAY DOWN D.S.T. #1 SERVICE TOOL	3 00	4 00	1
RAN D.S.T. #1 - 3160-3200 INIT. SHUT IN 30 MIN			
VI OPN 30 MIN FINAL SHUT IN 30 MIN WEAK AIR BLOW			
ON PRE FLOW HOLDING STEADY FOR 5 MIN NO BLOW ON F			
FLOW AND NO FILL REC. BOTTOM HOLE TEMP 102			
LAY DOWN D.S.T #1 SERVICE	4 00	5 00	1
RIG SER	5 00	5 15	¼
CUT + SLIP 120 FT DRILLING LINE	5 15	6 30	1¼
RUN IN TO 3232 HIT BRIDGE	6 30	7 45	1¼
REAM FROM 3232 TO 3419	7 45	9 30	1¾
CIRC	9 30	12 00	2½

FIRES — DRILLER'S SIGNATURE

B.O.P.	Tested	Elapsed Time	Pressure	Packing & Seal Inspected Date
Hydril				
Pipe Rams	OPERATING	O.K.		
Blind Rams				

TOTCO RING ON BIT = — Boiler Operated 24 Hrs.

Crown-o-matic Chk'd.	O.K.	Fuel on Hand 12.01 a.m.	gals.
Rig Savers Chk'd.	O.K.	Fuel Rec'd Today (odd)	gals.
Kelly Cock Chk'd.		TOTAL	gals.
Fire Equip. Chk'd.	O.K.	Fuel on Hand 11.59 p.m. (deduct)	gals.
		FUEL USED	gals.

CASING REPORT — RAN 19 JTS 10¾ CSG — TO 538 KB — USED 544 — SAX CONST. CEM — PLUS 3 % C.C. — PLUG DOWN 1:20 A.M. P.M.

CEMENT RETURNS - (YES/NO) YES

RENTAL EQUIPMENT ON HAND — TRANSFER #

DAYS FROM SPUD: 9¼

EQUIPMENT CHANGES

TOTAL COMPANY TIME HRS. — TOTAL CONTRACTOR'S TIME HRS.

Approved by Operator's Representative L.C. Saudimont

Approved by Toolpusher Jim McDonald

CONSERVATION BOARD COPY

GP 1706

GENERAL PETROLEUMS DRILLING

DAILY DRILLING LOG — RIG NO 12 — LOCATION H.B. GREAT PLAINS D25 — LSD — SEC. — TWP. — RGE. — W. — DATE March 6 19 70

DIRECTIONS TO WELL 41 S.W. SIMPSON TRAIL — MAILING POINT FORT SIMPSON — SHIPPING POINT FORT SIMPSON — MILES MOVED 341 — ROAD CONDITIONS Rough — DAYS FROM SPUD

TOUR MIDNIGHT TO 8 AM TOUR 8 AM TO 4 PM TOUR 4 PM TO MIDNIGHT

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles
3358	10	3368	3		27	4

DRILL COLLARS: No. 20 — O.D. 6¼ — I.D. 2⅞ — Length 608.08 — Ft. up on Kelly 18.00

	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
B	4	8¾	X7	2-14 / 1-13	10408	30	60	45	13¼			1	950	54		6	1	0
T	5	8¾	00V	3-14 / 1-13	13515													
S																		

MUD	12 mn.	2 a.m.	4 a.m.	6 a.m.	PUMP	12 mn.	2 a.m.	4 a.m.	6 a.m.	PUMP	12 mn.	2 a.m.	4 a.m.	6 a.m.	MOTOR HOURS	Next Oil Change
WEIGHT	9.5	9.6			No. 1 PRESSURE	1000	1000			No. 2 PRESSURE					1 3458	3602
VISCOSITY	55	62			MODEL S.P.M.	59	59			MODEL S.P.M.					2 7336	7480
GEL					LINER SIZE	6¼				LINER SIZE					3 4116	4070
W.L. 9.2	F.C. 3/32	pH. 9	DESILTER: Hours Op:		U. Flow:		O. Flow:			SURVEYS At Feet	Degrees				4 4384	4280
ADDITIVES: GEL 1000#			GENERAL:							2220	1¼				5 5752	6168
BENEX 2#															Weather CLEAR	Water
															Temp. 16-	150 Bbls.

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip or Cut Feet	Slip or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1	WRIGHT	5613	8	1	72	3[illegible]	40	40	3638	4-3-70	4038	1827

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles
3368	8	3376	2	68	27	4

DRILL COLLARS: No. 20 — O.D. 6¼ — I.D. 2⅞ — Length 608.08 — Air Wt. — Sub. Wt. +37.00 — C.B. Ft. — Ft. up on Kelly 25.48

	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
B	5	8¾	ODV	2-13	13515	40	40	5	1			1	1000	56		6	2	0
T	C	8¾	XSSR	2-12	20806	30	40	3	1	60	½	1	1000	56			Drlg.	
S																		

MUD	8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP	8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP	8 a.m.	10 a.m.	12 noon	2 p.m.	MOTOR HOURS	Next Oil Change
WEIGHT	9.2				No. 1 PRESSURE	650				No. 2 PRESSURE					1 5465	5602
VISCOSITY	55				MODEL S.P.M.	54				MODEL S.P.M.					2 7344	7480
GEL					350 LINER SIZE	6¼				LINER SIZE					3 4124	4070
W.L. 10.0	F.C. 4/32	pH. 4.	DESILTER: Hours Op:		U. Flow:		O. Flow:			SURVEYS At Feet	Degrees				4 4392	4280
ADDITIVES:			GENERAL: Gel- 900#							1[illegible]20	1¼				5 5760	6168
			Soda ash- 100#												Weather Cloudy	Water
			Pulled Pitot 5 P.												Temp. -5	150 Bbls.

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip or Cut Feet	Slip or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1	WRIGHT	5613	8	2	1[illegible]54	3928	40	40	3636	4-3-70	4038	1857

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles
3376	34	3410	7¾	68	44	1

DRILL COLLARS: No. 20 — O.D. 6¼ — I.D. 2⅞ — Length 608.08 — Air Wt. — Sub. Wt. — C.B. Ft. — Ft. up on Kelly 9.52

	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
B	6	8¾	X55R	2-13	20806	30M	40-50	42	8¾			1	950	54		DRILLING		
T																		
S																		

MUD	4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP	4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP	4 p.m.	6 p.m.	8 p.m.	10 p.m.	MOTOR HOURS	Next Oil Change
WEIGHT	9.3	93	9.4	9.4	No. 1 PRESSURE	950	950	950	950	No. 2 PRESSURE					1 5474	3602
VISCOSITY	87	76	134	137	MODEL S.P.M.	54	54	54	54	MODEL S.P.M.					2 7352	7480
GEL					250 LINER SIZE	6¼ X15				LINER SIZE					3 4132	4070
W.L. 10.0	F.C. 3/32	pH. 9.0	DESILTER: Hours Op:		U. Flow:		O. Flow:			SURVEYS At Feet	Degrees				4 4400	4280
ADDITIVES: GEL-1000#			GENERAL:							3020	1¼				5 5768	6168
BENEX-2#															Weather O/C	Water
CMC-50															Temp. -10-	150 Bbls.

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip or Cut Feet	Slip or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1	WRIGHT	5613	8			3928	40	40	3636	4-3-70	4038	1857

B.O.P.	Tested	Elapsed Time	Pressure	Packing & Seal inspected Date
Hydril				
Pipe Rams.	OPERATING			
Blind Rams.				

TOTCO RING ON BIT = — Boiler Operated: 24 Hrs.

Crown-o-matic Chk'd.	O.K.
Ria Savers Chk'd.	O.K.
Kelly Cock Chk'd.	
Fire Equip. Chk'd.	O.K.

Fuel on Hand 12.01 a.m.	2977 gals.
Fuel Rec'd Today (add)	gals.
TOTAL	gals.
Fuel on Hand 11:59 p.m. (deduct)	gals.
FUEL USED	gals.

CASING REPORT — RAN 19 JTS 10¾ CSG — TO 392 KB. USED 540 SAX COAST CEM — PLUS 3% C.C. — PLUG DOWN 1:20 A.M. P.M. — CEMENT RETURNS - (YES/NO) YES

EQUIPMENT CHANGES

RENTAL EQUIPMENT ON HAND — TRANSFER #

DAYS FROM SPUD: 6 7/4

TOTAL COMPANY TIME HRS. — TOTAL CONTRACTOR'S TIME HRS.

Approved by Operator's Representative A.C. Saunders

Approved by Toolpusher L. Mitchell

TIME START	TIME STOP	INTVL	REMARKS
12:00	3:00	3	DRLG 8¾" HOLE.
3:00	5:30	2½	BLOW KELLY & TRIP OUT (TIGHT)
5:30	6:00	½	RIG SERV & CHANGE BITS
6:00	7:5	1½	RUN IN
7:5	8:00	¾	CLEAN 60' TO BOTTOM
			FIRES — A.C. Maloney DRILLER'S SIGNATURE
8:00	8:30	½	RIG SERV. VIS. O.P.S
8:30	9:30	1	DRLG.
9:30	11:00	1½	~~HOIST KELLY~~ & CIRC SAMPLE
11:00	3:00	4	TRIP FOR B.S #6 CLEAN 60' TO BTM.
3:00	4:00	1	DRLG.
			FIRES — A.C. Maloney DRILLER'S SIGNATURE
4:00	4:15	¼	RIG SER.
4:15	12:00	7¾	DRILL 8¾ HOLE
			FIRES Nil — [illegible] DRILLER'S SIGNATURE

CONSERVATION BOARD COPY

GP 1705

GENERAL PETROLEUMS DRILLING

DAILY DRILLING LOG

DIRECTIONS TO WELL 41 SW SIMPSON TRAIL — RIG NO. 12 — LOCATION H.B. GREAT PLAINS D 25 — LSD — SEC. — TWP. — RGE. — W. — DATE MARCH 5 19 70

MAILING POINT FORT SIMPSON — SHIPPING POINT FORT SIMPSON — MILES MOVED 341 — ROAD CONDITIONS Rough — DAYS FROM SPUD

TOUR MIDNIGHT TO 8 AM, TOUR 8 AM TO 4 PM, TOUR 4 PM TO MIDNIGHT

TOUR MIDNIGHT TO 8 AM

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles
3232	72	3304	6½	64	43	1

DRILL COLLARS: No. 20, O.D. 6¼, I.D. 2⅞, Length 608.08, Air Wt., Sub. Wt., C.B. Ft., Ft. up on Kelly 15.00

B/I/T/S	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
B	3	8¾	XV	3-13	3118	30/40	80	166	13							IN		
I																		
T																		
S																		

MUD	12 mn.	2 a.m.	4 a.m.	6 a.m.	PUMP	12 mn.	2 a.m.	4 a.m.	6 a.m.	PUMP	12 mn.	2 a.m.	4 a.m.	6 a.m.
WEIGHT	9.3		9.5	9.4	No. 1 PRESSURE	1000	1000	950	950	No. 2 PRESSURE				
VISCOSITY	55		60	65	MODEL 250 S.P.M.	54	54	54	54	MODEL S.P.M.				
GEL					LINER SIZE	6¼				LINER SIZE				
W.L. 9	F.C. 1/32		pH. 9		DESILTER: Hours Op:		U. Flow:		O. Flow:					

ADDITIVES: SEZ

GENERAL: (CHANGED HEAD RUBBER FR) WHEEL SIDE.

MOTOR HOURS	Next Oil Change
1 5450	5602
2 7328	7480
3 4108	4070
4 4376	4280
5 5744	6168

SURVEYS: At Feet 3100, Degrees 1¼

Weather CLEAR, Temp. −15, Water Bbls.

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip or Cut (Feet)	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1	WRIGHT	5613	8			3720	90 : 90	3638	1-3-70	4038	1857

FIRES — DRILLER'S SIGNATURE

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles
3304	19	3323	5	64	43	1

DRILL COLLARS: No. 20, O.D. 6¼, I.D. 2¼, Length 608.08, Air Wt., Sub. Wt., C.B. Ft., Ft. up on Kelly 3304

B/I/T/S	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
B	3	8¾	XV	3-13	3118	30/40	40	185	18			1	950	54		6	1	1
I																		
T																		
S																		

MUD	8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP	8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP	8 a.m.	10 a.m.	12 noon	2 p.m.
WEIGHT	9.5	9.5	9.1		No. 1 PRESSURE	950	950	950		No. 2 PRESSURE				
VISCOSITY	65	63	63		MODEL 250 S.P.M.	54	54	54		MODEL S.P.M.				
GEL					LINER SIZE	6¼	6¼	6¼		LINER SIZE				
W.L. 6.2	F.C. 1/32		pH. 9.0		DESILTER: Hours Op:		U. Flow:		O. Flow:					

ADDITIVES:

GENERAL: SMALL STREAM H2O

MOTOR HOURS	Next Oil Change
1 5458	5602
2 7336	7480
3 4116	4070
4 4344	4280
5 5752	6168

SURVEYS: At Feet, Degrees

Weather ACTIVE, Temp. +0, Water 150 Bbls.

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip or Cut (Feet)	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1	WRIGHT	5617	8	6½		3720	90 : 90	3638	4/3/70	4038	1857

FIRES — DRILLER'S SIGNATURE

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles
3323	35	3358	3¾	64	43	1

DRILL COLLARS: No. 20, O.D. 6¼, I.D. 2⅞, Length 608.08, Air Wt., Sub. Wt., C.B. Ft., Ft. up on Kelly 3285

B/I/T/S	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
B	4	8¾	XT	2-11-13	10408	40	60	35	3¾			1	950	54		DRILLING		
I																		
T																		
S																		

MUD	4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP	4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP	4 p.m.	6 p.m.	8 p.m.	10 p.m.
WEIGHT		9.2	9.2	9.2	No. 1 PRESSURE		950	950	950	No. 2 PRESSURE				
VISCOSITY		75	68	64	MODEL 250 S.P.M.		54	54	54	MODEL S.P.M.				
GEL					LINER SIZE		6¼	X15		LINER SIZE				
W.L. 9.0	F.C. 2/32		pH. 9.0		DESILTER: Hours Op:		U. Flow:		O. Flow:					

ADDITIVES:

GENERAL: Checked Rig Savers And Brakes. Pins

MOTOR HOURS	Next Oil Change
1 5456	5602
2 7344	7480
3 4126	4070
4 4392	4280
5 5760	6168

SURVEYS: At Feet 3320, Degrees 1¼

Weather MILD, Temp. 15−, Water 175 Bbls.

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip or Cut (Feet)	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1	WRIGHT	5613	8	1	60	3725	90 : 90	3638	4-3-70	4038	1857

FIRES NIL — DRILLER'S SIGNATURE

B.O.P.	Tested	Elapsed Time	Pressure	Packing & Seal Inspected Date
Hydril				
Pipe Rams				
Blind Rams		OPERATING		

TOTCO RING ON BIT — Boiler Operated: 24 Hrs.

Crown-o-matic Chk'd.	O.K	Fuel on Hand 12.01 a.m.	2977 gals.
Rig Savers Chk'd.	O.K	Fuel Rec'd Today (add)	gals.
Kelly Cock Chk'd.		TOTAL	gals.
Fire Equip. Chk'd.	O.K	Fuel on Hand 11.59 p.m. (deduct)	gals.
		FUEL USED	gals.

CASING REPORT — RAN 19 JTS 10 3/4 CSG — TO 580 KB. USED 540 SAX COMST. CEM — PLUS 3 % C.C. — PLUG DOWN 12:30 A.M. P.M. — CEMENT RETURNS - (YES/NO) YES

RENTAL EQUIPMENT ON HAND — TRANSFER #

DAYS FROM SPUD: 7¼

EQUIPMENT CHANGES

TOTAL COMPANY TIME HRS. — TOTAL CONTRACTOR'S TIME HRS.

Approved by Operator's Representative A.C. Sanderson

Approved by Toolpusher L.M. Power

REMARKS	TIME START	TIME STOP	INTVL
DRLG 8¾" HOLE.	12 00	1 30	1½
RIG SERV	1 30	1 45	¼
DRLG 8¾" HOLE.	1 45	2 45	1
WORK ON PUMP	2 45	3 15	½
DRLG 8¾" HOLE.	3 15	3 45	½
CHANGE HEAD RUBBER PUMP	3 45	4 30	¾
DRLG 8¾" HOLE.	4 30	8 00	3½
DRLG.	8 00	9 00	1
RIG SERV & B.O.PS	9 00	9 30	½
WORK ON C250	9 30	10 00	½
DRLG.	10 00	2 00	4
HOISTING OUT	2 00	4 00	2
FINISH HOIST OUT D.C.	4 00	4 15	¼
RIG SER	4 15	4 30	¼
RUN IN WITH BIT # 4	4 30	6 30	2
DRILL 8¾ HOLE	6 30	7 15	¾
WORK ON PUMP CHANGED HEAD	7 15	9 00	1¾
DRILL 8¾ HOLE	9 00	12 00	3

CONSERVATION BOARD COPY

GP 1704

GENERAL PETROLEUMS DRILLING

DAILY DRILLING LOG

DIRECTIONS TO WELL: 41 SW SIMPSON TRAIL

RIG NO 17 LOCATION H.B. GREAT PLAINS D25 LSD ___ SEC ___ TWP ___ RGE ___ W ___ DATE March 4 1970

MAILING POINT FORT SIMPSON SHIPPING POINT FORT SIMPSON MILES MOVED 341 ROAD CONDITIONS ROUGH DAYS FROM SPUD ___

TOUR MIDNIGHT TO 8 AM TOUR 8 AM TO 4 PM TOUR 4 PM TO MIDNIGHT

8 AM TO 4 PM TOUR

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles
3544	63	3707	~~23~~ 22½	~~52~~ 43	34	1

DRILL COLLARS: No. 20 | O.D. 6¼ | I.D. 2⅞ | Length 608.08 | Air Wt. | Sub. Wt. | C.B. Ft. | Ft. up on Kelly 37.50

B/T/S	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
B	2	8¾	X1G	2-13 1-13	19767	30	120	592	24¼			1	1000	54		dull		
T																		
S																		

MUD	12 mn.	2 a.m.	4 a.m.	6 a.m.	PUMP	12 mn.	2 a.m.	4 a.m.	6 a.m.	PUMP	12 mn.	2 a.m.	4 a.m.	6 a.m.	MOTOR HOURS	Next Oil Change
WEIGHT	9.3	9.2	9.3	9.3	No. 1 PRESS.					No. 2 PRESS.	1000	1000	1000	1000	1 5426	5580
VISCOSITY	49	49	50	63	MODEL S.P.M.					MODEL S.P.M.	50	54	54	54	2 7304	7480
GEL					LINER SIZE					LINER SIZE	6½	6½	6½	6½	3 4084	4070
W.L. 4	F.C. 2/32	pH. 9.5			DESILTER: Hours Op:		U. Flow:		O. Flow:						4 4332	4280
ADDITIVES: GEL 1000# WATER BEN-EX 11 lbs.					GENERAL: CHANGED HEAD ON WHEEL SIDE CLEANED SUCTION COMPARTMENT										5 5720	6168

SURVEYS: At Feet / Degrees

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip or Cut Feet	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1	WRIGHT	5613	8			3638	Slip 45 : Cut 45	3451	14-2-70	3451	1947

Weather CLEAR Temp. -20 Water 200 Bbls.

FIRES ___ DRILLER'S SIGNATURE

4 PM TO MIDNIGHT TOUR

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles
3107	31'	3138	3	62	40 + 92.64	

DRILL COLLARS: No. 20 | O.D. 6¼ | I.D. 2⅞ | Length 608.08 | Air Wt. | Sub. Wt. | C.B. Ft. | Ft. up on Kelly 37.50

B/T/S	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
B	2	8¾	X1G	1-13	14767	30	120	623	27¼									
T	3	8¾	XV	2-14 1-13	3118											1	1	
S																		

MUD	8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP	8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP	8 a.m.	10 a.m.	12 noon	2 p.m.	MOTOR HOURS	Next Oil Change
WEIGHT	9.3	9.3			No. 1 PRESS.	1000	1000			No. 2 PRESS.					1 5434	5580
VISCOSITY	63	58	Tuff		MODEL S.P.M.	59	54	Tuff		MODEL S.P.M.					2 7312	7480
GEL					150 LINER SIZE	6¼	6½			LINER SIZE					3 4092	4070
W.L. 8.4	F.C. 2/32	pH. 8.5			DESILTER: Hours Op:		U. Flow:		O. Flow:						4 4360	4230
ADDITIVES: SODA ASH 10#					GENERAL: SMALL STREAM H₂O										5 5728	6168

SURVEYS: At Feet 3100 / Degrees 1½

Weather CLEAR Temp. +5 Water 150 Bbls.

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip or Cut Feet	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1	WRIGHT	5613	8			3638	Slip 48 : Cut 48	3654	14-2-70	3951	1947

FIRES ___ DRILLER'S SIGNATURE

MIDNIGHT TO 8 AM TOUR

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles
3138	94	3232	6½	62	42	

DRILL COLLARS: No. 20 | O.D. 6¼ | I.D. 2⅞ | Length 608.08 | Air Wt. | Sub. Wt. | C.B. Ft. | Ft. up on Kelly 37.50

B/T/S	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
B	3	8¾	XV	2-14-13	3118	30/40	80	94	6½			1	1000	51		1/2	IN	
T																		
S																		

MUD	4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP	4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP	4 p.m.	6 p.m.	8 p.m.	10 p.m.	MOTOR HOURS	Next Oil Change
WEIGHT	RUN	9.3	9.3	9.2	No. 1 PRESS.	RUN	1000	1000	1000	No. 2 PRESS.					1 5442	5600
VISCOSITY	IN	54	74	63	MODEL S.P.M.	IN	51	51		MODEL S.P.M.					2 7320	7480
GEL					C 250 LINER SIZE	6¼	X15			LINER SIZE					3 4100	4070
W.L. 9.8	F.C. 4/32	pH. 9.0			DESILTER: Hours Op:		U. Flow:		O. Flow:						4 4368	4280
ADDITIVES: GEL 1000# BEN-EX 2# WATER					GENERAL:										5 5930	6168

SURVEYS: At Feet 3100 / Degrees 1½

Weather CLEAR Temp. 15 Water 200 Bbls.

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip or Cut Feet	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1	WRIGHT	5613	8	4	82	3720	Slip 90 : Cut 90	3638	6/2/70	3951	1857

FIRES NIL ___ DRILLER'S SIGNATURE

B.O.P.	Tested	Elapsed Time	Pressure	Packing & Seal Inspected Date
Hydril				
Pipe Rams			2	
Blind Rams	OPEN			

TOTCO RING ON BIT ___ Boiler Operated: ___ Hrs.

Crown-o-matic Chk'd.	
Rig Savers Chk'd.	O.K.
Kelly Cock Chk'd.	
Fire Equip. Chk'd.	

Fuel on Hand 12.01 a.m.	2977	gals.
Fuel Rec'd Today (add)		gals.
TOTAL		gals.
Fuel on Hand 11.59 p.m. (deduct)		gals.
FUEL USED		gals.

CASING REPORT: RAN 19 JTS 10¾ CSG TO 490 KB. USED 440 SAX CONST. CEM PLUS 3 % CaCl PLUG DOWN 2⁰ A.M. P.M.

CEMENT RETURNS - (YES/NO) YES

DAYS FROM SPUD: 6¼

TOTAL COMPANY TIME ___ HRS.

TOTAL CONTRACTOR'S TIME ___ HRS.

Approved by Operator's Representative A.C. Saunders

Approved by Toolpusher J. McDonald

TRANSFER # ___

REMARKS

REMARKS	TIME START	TIME STOP	TIME INT.
RIG SERV	12⁰⁰	12¹⁵	¼
DRLG 8¾" HOLE.	12¹⁵	1⁰⁰	¾
CLEAN SUCTION TANK, CHECKED VALVES WORK ON PUMP (CHANGED HEAD)	1⁰⁰	3⁴⁵	2¾
DRLG. 8¾" HOLE.	3⁴⁵	8⁰⁰	4¼
RIG SERV ✓ PIPE RAMS ✓	8⁰⁰	8¹⁵	¼
DRLG 8¾" HOLE.	8¹⁵	11¹⁵	3
THON KELLY - DROP SURVEY TRIP OUT.	11¹⁵	2³⁰	3¼
RUN IN D.C. SLIP + CUT 90' DRLG.	2³⁰	4⁰⁰	1½
FINISH SLIP + CUT LINE	4⁰⁰	4¹⁵	¼
RIG SER	4¹⁵	4³⁰	¼
RUN IN WITH BIT #3	4³⁰	5³⁰	1
DRILL 8¾ HOLE	5³⁰	12⁰⁰	6½

EQUIPMENT CHANGES

RENTAL EQUIPMENT ON HAND

CONSERVATION BOARD COPY

GP 1703

GENERAL PETROLEUMS DRILLING

DAILY DRILLING LOG — RIG NO. 12 — LOCATION H.B. GREAT PLAINS D25 — SD. — SEC. — TWP. — RGE. — W. — DATE March 3 19 70

DIRECTIONS TO WELL 41 SW SIMPSON TRAIL — MAILING POINT FORT SIMPSON — SHIPPING POINT FORT SIMPSON — MILES MOVED 341 — ROAD CONDITIONS Rough — DAYS FROM SPUD

TOUR MIDNIGHT TO 8 AM TOUR 8 AM TO 4 PM TOUR 4 PM TO MIDNIGHT

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles
2515	247	2762	5	54 M	39 2116.66	0

DRILL COLLARS: No. 20 — O.D. 6¼ — I.D. 2¼ — Length 608.08 — Air Wt. — Sub. Wt. — C.B. Ft. — Ft. up on Kelly 37.50

B/I/T/S	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
B	2	8¾	X1G	7-7-13	19767	10-20	120	247	5			1	1000	60		DRLG		
T																		
S																		

MUD	12 mn.	2 a.m.	4 a.m.	6 a.m.	PUMP	12 mn.	2 a.m.	4 a.m.	6 a.m.	PUMP	12 mn.	2 a.m.	4 a.m.	6 a.m.
WEIGHT	8.4	8.6	8.8	8.9	No. 1 PRESSURE	1000	1000	1000	1000	No. 2 PRESSURE				
VISCOSITY	28	32	36	30	MODEL					MODEL				
GEL					S.P.M.	60	60	60	60	S.P.M.				
					LINER SIZE	6¼				LINER SIZE				

W.L. — F.C. — pH. — DESILTER: Hours Op: — U. Flow: — O. Flow:

ADDITIVES: GEL 1500 SODA ASH 200 LBS BENEX 25 LBS CMC 200

GENERAL:

SURVEYS: At Feet / Degrees

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1	WRIGHT	5613	8			3638	45	45	3451	14-2-70	3451	1947

MOTOR HOURS: 1 5402 (Next Oil Change 5356) — 2 7280 (7240) — 3 4060 (4070) — 4 4328 (4280) — 5 5696 (6108)

Weather CLEAR — Temp. 18 — Water 150 Bbls.

FIRES — DRILLER'S SIGNATURE: Pat Maloney

REMARKS

TIME START	TIME STOP	INTVL
12⁰⁰	12¹⁵	¼
12¹⁵		
	2³⁰	2
2¹⁵	2³⁰	¼
2³⁰	3³⁰	1
3³⁰	8⁰⁰	4½

RIG SERV / HYDRIL
REAM FROM 2335 TO 2515
HOLE SLUFFING IN / MIXING MUD. VERY BAD.
DRLG 8¾" HOLE.
W.O. TORQUE / CHANGING ♦
DRLG 8¾ HOLE.

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles
2762	163	2925	6½	58	39 2304.78	

DRILL COLLARS: No. 20 — O.D. 6¼ — I.D. 2¼ — Length 608.08 — Air Wt. — Sub. Wt. — C.B. Ft. — Ft. up on Kelly 37.50

B/I/T/S	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
B	2	6¾	X1G	7-7-13	19767	10-20	110	4.10	11½							DRLG		
T																		
S																		

MUD	8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP	8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP	8 a.m.	10 a.m.	12 noon	2 p.m.
WEIGHT	8.9	8.9	8.7	8.8	No. 1 PRESSURE	1000	1000	1000	1000	No. 2 PRESSURE				
VISCOSITY	70	58	41	39	MODEL & SPD					MODEL				
GEL					S.P.M.	60	60	60	60	S.P.M.				
					LINER SIZE	6¼	6¼	6¼	6¼	LINER SIZE				

W.L. 9.6 — F.C. 2/32 — pH. 9.5+ — DESILTER: Hours Op: — U. Flow: — O. Flow:

ADDITIVES: Soda Ash 100 — GENERAL: Changed oil in Floor Engine. Next change at 5566 & 7453

SURVEYS: At Feet / Degrees

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1	WRIGHT	5613	8			3638	45	45	3451	14/2/70	2651	1947

MOTOR HOURS: 1 5410 (Next Oil Change 5366) — 2 7288 (7240) — 3 4068 (4070) — 4 4336 (4280) — 5 5804 (6108)

Weather CLEAR — Temp. 104 — Water 175 Bbls.

FIRES — DRILLER'S SIGNATURE: H.B. Magnuson

REMARKS

TIME START	TIME STOP	INTVL
8⁰⁰	8³⁰	½
8³⁰	9⁰⁰	½
9⁰⁰	10⁰⁰	1
10⁰⁰	10⁵⁰	½
10³⁰	3⁰⁰	4½
3⁰⁰	3³⁰	½
3³⁰	4⁰⁰	½

DRLG.
DIV SERV / B.O.P.s
DRLG.
CIRC SAMPLE
DRLG
WORK ON PUMP MOTORS - TIGHTEN
DRLG. — TRANSFER CASE

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles
2925	119	3044	7¾	25/30	38	1

DRILL COLLARS: No. 20 — O.D. 6¼ — I.D. 2¼ — Length 608.08 — Air Wt. — Sub. Wt. — C.B. Ft. — Ft. up on Kelly 37.50

B/I/T/S	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
B	2	8¾	X1G	7-11-13	19767	25/30	90/110	527	15¾			1	1000	60		DRLG		
T																		
S																		

MUD	4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP	4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP	4 p.m.	6 p.m.	8 p.m.	10 p.m.
WEIGHT	8.8	8.8	8.8	9.0	No. 1 PRESSURE	1000	"	"	"	No. 2 PRESSURE				
VISCOSITY	46	48	54	51	MODEL					MODEL				
GEL					S.P.M.	60	"	"	"	S.P.M.				
					LINER SIZE	6¼ x 15				LINER SIZE				

W.L. 9.8 — F.C. 3/32 — pH. 9.5 — DESILTER: Hours Op: — U. Flow: — O. Flow:

ADDITIVES: GEL - 800 # — BENEX - 1½ # — CMC - 50 # — GENERAL:

SURVEYS: At Feet 2500 / Degrees 1½

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1	WRIGHT	5613	8			3638	45	45	3451	14-2-70	3451	1947

MOTOR HOURS: 1 5418 (Next Oil Change 5366) — 2 7296 (7240) — 3 4076 (4070) — 4 4344 (4280) — 5 5712 (6108)

Weather OVCST CAST — Temp. 4 — Water 175 Bbls.

FIRES NIL — DRILLER'S SIGNATURE: Ryder Jones

REMARKS

TIME START	TIME STOP	INTVL
4⁰⁰	4¹⁵	¼
4¹⁵	12⁰⁰	7¾

RIG SER
DRILL 8¾ HOLE

B.O.P.	Tested	Elapsed Time	Pressure	Packing & Seal Inspected Date
Hydril				
Pipe Rams.				
Blind Rams.				

TOTCO RING ON BIT = — Bailer Operated: 3¼ Hrs.

Crown-o-matic Chk'd.	6.1K	
Rig Savers Chk'd.	OK	
Kelly Cock Chk'd.		
Fire Equip. Chk'd.	OK	

Fuel on Hand 12.01 a.m.	3217	gals.
Fuel Rec'd Today (add)		gals.
TOTAL		gals.
Fuel on Hand 11:59 p.m. (deduct)	2977	gals.
FUEL USED	240	gals.

CASING REPORT — RAN 19 JTS 10¾ CSG — TO 5 8 KB. USED 4 4 5 SAX CEM — PLUS C. C. — PLUG DOWN 1 A.M. — CEMENT RETURNS - (YES/NO)

RENTAL EQUIPMENT ON HAND — TRANSFER #

DAYS FROM SPUD: 3¼

EQUIPMENT CHANGES

TOTAL COMPANY TIME HRS. — TOTAL CONTRACTOR'S TIME HRS.

Approved by Operator's Representative L.O. Sanderson

Approved by Toolpusher Tom Howard

CONSERVATION BOARD COPY

GP 1702

GENERAL PETROLEUMS DRILLING

DAILY DRILLING LOG

RIG NO. 12 LOCATION H.B. GREAT PLAINS D25 LSD. SEC. TWP. RGE. W. DATE March 19 70

DIRECTIONS TO WELL 41 SW SIMPSON TRAIL MAILING POINT FT SIMPSON SHIPPING POINT FT SIMPSON MILES MOVED 341 ROAD CONDITIONS Rough DAYS FROM SPUD

TOUR MIDNIGHT TO 8 AM TOUR 8 AM TO 4 PM TOUR 4 PM TO MIDNIGHT

TOUR MIDNIGHT TO 8 AM TOUR

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles
1899	250	2149	5 1/2	46	26 1627	

DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. up on Kelly
	16	6 1/4	2 7/8	485.52				37.50

B I T S	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
	1	8 3/4	X3A	7-13	20985	4-10	120	569	21 3/4				1000	60		Daily.		

MUD	12 mn.	2 a.m.	4 a.m.	6 a.m.	PUMP	12 mn.	2 a.m.	4 a.m.	6 a.m.	PUMP	12 mn.	2 a.m.	4 a.m.	6 a.m.
WEIGHT	8.7	8.8	8.8	8.9	No. 1 PRESSURE	1000	1000	1050	1000	No. 2 PRESSURE				
VISCOSITY	28	28	28	28	MODEL C 250 S.P.M.	60	60	60	60	MODEL S.P.M.				
GEL				C250	LINER SIZE	6 1/4				LINER SIZE				

W.L. F.C. pH. DESILTER: Hours Op: U. Flow: O. Flow:

ADDITIVES: GENERAL:

MOTOR HOURS	Next Oil Change
1 5378	5356
2 7256	7240
3 4036	4070
4 4204	4280
5 5688	6408

SURVEYS At Feet	Degrees
2050	2 1/4

Weather Temp. Water Bbls.

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip Feet	Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1	WAIGHT	5613	8			3607	45	45	3451	14-2-70	1451	1447

TOUR 8 AM TO 4 PM

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles
2149	366	2515	5 3/4	48	32 1992.40	—

DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. up on Kelly
	16	6 1/4	2 7/8	485.52				37.50

B I T S	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
	1	6 3/4	13A	5-12-13	20485	4-10	100/80	1935	27 1/4									

MUD	8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP	8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP	8 a.m.	10 a.m.	12 noon	2 p.m.
WEIGHT	8.7	8.7	8.7	8.7	No. 1 PRESSURE	1000	1000	1000	1000	No. 2 PRESSURE				
VISCOSITY	24	24	24	24	MODEL C 250 S.P.M.	60	60	60	60	MODEL S.P.M.				
GEL					LINER SIZE	6 1/4	6 1/4	6 1/4	6 1/4	LINER SIZE				

W.L. F.C. pH. DESILTER: Hours Op: U. Flow: O. Flow:

ADDITIVES: WATER 200 bbls GENERAL:

MOTOR HOURS	Next Oil Change
1 5388	5356
2 7264	7240
3 4044	4070
4 4312	4280
5 5644	6408

SURVEYS At Feet	Degrees
1600	1

Weather Clear Temp. -15 Water 200 Bbls.

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip Feet	Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1"	WAIGHT	5613	8	1/4		3607	45	45	3451	14/2/70	3951	1447

TOUR 4 PM TO MIDNIGHT

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles
2515						

DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. up on Kelly
	20	6 1/4	2 7/8	608.08				IN

B I T S	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
	2	8 3/4	X1G	2-14-3	19767							1	1000					

MUD	4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP	4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP	4 p.m.	6 p.m.	8 p.m.	10 p.m.
WEIGHT					No. 1 PRESSURE					No. 2 PRESSURE				
VISCOSITY					MODEL C 250 S.P.M.					MODEL S.P.M.				
GEL					LINER SIZE	6 1/4 X15				LINER SIZE				

W.L. F.C. pH. DESILTER: Hours Op: U. Flow: O. Flow:

ADDITIVES: GENERAL:

MOTOR HOURS	Next Oil Change
1 5394	5356
2 7272	7240
3 4052	4070
4 4320	4280
5 5696	6408

SURVEYS At Feet	Degrees
2500	1/2

Weather QUIET CAST Temp. — Water 150 Bbls.

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip Feet	Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1	WAIGHT	5613	8	1/2	53	3620	45	45	3451	14-2-70	3951	1447

B.O.P.	Tested	Elapsed Time	Pressure	Packing & Seal Inspected Date
Hydril				
Pipe Rams		OPERATING		
Blind Rams				

TOTCO RING ON BIT = Boiler Operated: 24 Hrs.

Crown-o-matic Chk'd.	O.K	
Rig Savers Chk'd.	O.K	
Kelly Cock Chk'd.		
Fire Equip. Chk'd.	O.K	

Fuel on Hand 12.01 a.m.		gals.
Fuel Rec'd Today (odd)		gals.
TOTAL		gals.
Fuel on Hand 11.59 p.m. (deduct)	3217	gals.
FUEL USED		gals.

CASING REPORT RAN JTS CSG TO KB. USED SAX CEM PLUS % PLUG DOWN A.M. P.M.

CEMENT RETURNS - (YES/NO)

EQUIPMENT CHANGES

RENTAL EQUIPMENT ON HAND TRANSFER

DAYS FROM SPUD:

TOTAL COMPANY TIME HRS. TOTAL CONTRACTOR'S TIME HRS.

Approved by Operator's Representative L C Smithmill

Approved by Toolpusher L Anderson

REMARKS

REMARKS	TIME START	TIME STOP	TIME INTVL
Daily 8 3/4" Hole.	12 00	12 30	1/2
Rig Serv & Bops	12 30	12 45	1/4
Changed Swivel Packing & Repair Mouse Hole	12 45	2 30	1 3/4
Daily 8 3/4" Hole	2 30	4 45	2 1/4
Survey & Misrun	4 45	5 00	1/4
Daily.	5 00	5 45	3/4
Survey 2050' 2 1/4° W.O. Pump	5 45	6 00	1/4
Daily.	6 00	8 00	13

FIRES DRILLER'S SIGNATURE

Daily.	4 00	4 30	1/2
Rig Serv B.O.P.s	4 30	4 45	1/4
Daily.	4 45	900	1/4
Clean Mud Tanks	9 00	10 00	1
Daily.	10 00	3 00	5
Hoist Bit #1	3 00	4 00	1
Work Tight Hole + Pump 4th Stand	4 00	5 00	1
Hoist Cut Hole	5 00	7 00	2
Clean Mud Tanks Thaw Out	7 00		
Mud Rod 2" Hoist 1" Hoist To+			
Gel Mud Tanks Gates		900	2
Pick up D.C.	9 00	1000	1
Run in With Bit #2	1000	11 45	1 3/4
[illegible]	11 45	12 00	1/4
Displace Hole			

FIRES N.L. DRILLER'S SIGNATURE

CONSERVATION BOARD COPY

GP 1701

GENERAL PETROLEUMS DRILLING LTD.

DAILY DRILLING LOG — RIG NO. 12 — LOCATION H.B. GREAT PLAINS D24 — SD. — SEC. — TWP. — RGE. — W. — DATE March 1 19 70

DIRECTIONS TO WELL 4 1/2 SW Simpson Trail — MAILING POINT Fort Simpson — SHIPPING POINT Fort Simpson — MILES MOVED 314 — ROAD CONDITIONS Rough

TOUR MIDNIGHT TO 8 AM TOUR

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles
580	442	1022	4 1/4	37	44.67	

DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. up on Kelly
	16	6 1/4	2 1/4	485.52				37.50

BIT	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
1	1	8 3/4	X3A	2-12-13	20985	30	90	442	4 1/4			1	900	59		Drlg		

MUD	12 mn.	2 a.m.	4 a.m.	6 a.m.
WEIGHT				
VISCOSITY				
GEL				

PUMP	12 mn.	2 a.m.	4 a.m.	6 a.m.
No. 1 PRESSURE				
MODEL S.P.M.				
LINER SIZE				

PUMP	12 mn.	2 a.m.	4 a.m.	6 a.m.
No. 2 PRESSURE				
MODEL S.P.M.				
LINER SIZE				

W.L. F.C. pH. DESILTER: Hours Op: U. Flow: O. Flow:

ADDITIVES: GENERAL: WATER PINS IN BRAKES O.K. Check'd. Ric Savers O.K.

MOTOR HOURS	Next Oil Change
1 5354	5356
2 7237	7240
3 4012	4070
4 4280	4280
5 5664	6408

SURVEYS At Feet	Degrees
841	1°

Weather CLEAR Temp. 25 Water Bbls.

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1	WRIGHT	5613	8			3601	45	45	3451	14-2-70	3451	1547

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles
1022	374	1396	5	42.	673.93	

DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. up on Kelly
	16	6 1/4	2 1/4	485.52				37.50

BIT	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
1	1	8 3/4	X3A	2-12-13	20985	20	90	416	4 1/4			1	1150	62		Drlg.		

MUD	8 a.m.	10 a.m.	12 noon	2 p.m.
WEIGHT	8.6	8.6	8.6	8.6
VISCOSITY	28	28	28	28
GEL				

PUMP	8 a.m.	10 a.m.	12 noon	2 p.m.
No. 1 PRESSURE	900	900	1150	1150
MODEL C 250 S.P.M.	60	60	62	62
LINER SIZE	6 1/4	6 1/4	6 1/4	6 1/4

PUMP	8 a.m.	10 a.m.	12 noon	2 p.m.
No. 2 PRESSURE				
MODEL S.P.M.				
LINER SIZE				

W.L. F.C. pH. DESILTER: Hours Op: U. Flow: O. Flow:

ADDITIVES: Water GENERAL:

MOTOR HOURS	Next Oil Change
1 5362	5356
2 7240	7240
3 4020	4070
4 4248	4280
5 5672	6408

SURVEYS At Feet	Degrees
1200	2°
1300	2 1/2

Weather Cloudy Temp. +10 Water 100 Bbls.

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1	WRIGHT	5613	8			3607	45	45	3451	14/2/70	3451	1447

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles
1396	503	1899	7	8.12	22	

DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. up on Kelly
	16	6 1/4	2 1/4	485.52				DOWN

BIT	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
1	1	8 3/4	X3A	2-12-13	20985	8-10	140/150	1317	16 1/4			1	1000	60		DRILLING		

MUD	4 p.m.	6 p.m.	8 p.m.	10 p.m.
WEIGHT	8.6	8.6	8.6	8.7
VISCOSITY	28	28	28	28
GEL				

PUMP	4 p.m.	6 p.m.	8 p.m.	10 p.m.
No. 1 PRESSURE	1000	1000	1000	1000
MODEL C 250 S.P.M.	60	60	60	60
LINER SIZE	6 1/4	X	15	

PUMP	4 p.m.	6 p.m.	8 p.m.	10 p.m.
No. 2 PRESSURE				
MODEL S.P.M.				
LINER SIZE				

W.L. F.C. pH. DESILTER: Hours Op: U. Flow: O. Flow:

ADDITIVES: GENERAL:

MOTOR HOURS	Next Oil Change
1 5370	5356
2 7248	7240
3 4028	4070
4 4296	4280
5 5680	6408

SURVEYS At Feet	Degrees
1365	2°
1553	2°
1737	2°

Weather OVERCAST Temp. 4 — Water 100 Bbls.

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1	WRIGHT	5613	8			3609	45	45	3451	14-2-70	1451	1947

B.O.P.	Tested	Elapsed Time	Pressure	Packing & Seal Inspected Date
Hydril				
Pipe Rams.		OPERATING	O.K.	
Blind Rams.				

TOTCO RING ON BIT = Boiler Operated: 24 Hrs.

Crown-o-matic Chk'd.	O.K.
Rig Savers Chk'd.	O.K.
Kelly Cock Chk'd.	
Fire Equip. Chk'd.	O.K.

Fuel on Hand 12.01 a.m.	3338 gals.
Fuel Rec'd Today (add)	gals.
TOTAL	gals.
Fuel on Hand 11.59 p.m. (deduct)	3097 gals.
FUEL USED	241 gals.

CASING REPORT — RAN JTS CSG. — TO KB. USED SAX CEM — PLUS % PLUG DOWN A.M. P.M. — CEMENT RETURNS - (YES, NO)

GENERAL —

REMARKS	TIME START	TIME STOP	TIME INTVL
W.O.C. Pressure test, rigs	12 00		
rams & hydril to 1000 OK		1 30	1 1/2
Drill out float & shoe	1 30	3 30	2
drlg 8 3/4 hole.	3 30	6 45	3 1/4
survey @ 841'	6 45	7 00	1/4
drlg 8 3/4 hole.	7 00	8 00	1
PRESS Blind RAMS TO 1000 OK			
3 1/2 PIPE RAMS TO 1000 OK			
Hydril to 1100 OK.			
FIRES — J. Maloney DRILLER'S SIGNATURE			
Rig Serv & B.O.P.s	4 00	8 15	1/4
Drlg.	5 15	10 00	1 3/4
Lubrace 448 spreader	10	10 15	1/4
Drlg.	10 15	10 45	1/2
Surv. AT 1200 2°	10 45	11 15	1/2
Drlg.	11 15	12 00	3/4
Surv AT 1300 2 1/2° work Tight Hole	12 00	2 00	2
Drlg.	2 00	4 00	2
FIRES — H. J. Maloney DRILLER'S SIGNATURE			
RIGSER AND SURVEY AT 1365 - 2°	400	4 30	1/2
DRILL 8 3/4 HOLE	4 30	7 00	2 1/2
SURVEY 1553 2°	7 00	7 15	1/4
DRILL 8 3/4 HOLE	7 15	10 15	3
SURVEY 1737 2°	10 15	10 30	1/4
DRILL 8 3/4 HOLE	10 30	12 00	1 1/2
FIRES Nil — Lyle Tyson DRILLER'S SIGNATURE			

EQUIPMENT CHANGES — TRANSFER #

DAYS FROM SPUD: 3 1/4

TOTAL COMPANY TIME HRS. — TOTAL CONTRACTOR'S TIME HRS.

Approved by Operator's Representative: J C Saunders

Approved by Toolpusher: J. McDonald

GP-1-1-E

CONSERVATION BOARD COPY

GP- 86025

GENERAL PETROLEUMS DRILLING LTD.

DAILY DRILLING LOG

RIG NO. 12 LOCATION H.B. GREAT PLAINS D25 LSD. SEC. TWP. RGE. W. DATE Feb 28 1970

DIRECTIONS TO WELL 41 m. SW. SIMPSON TRAIL MAILING POINT FORT SIMPSON SHIPPING POINT FORT SIMPSON MILES MOVED 314 ROAD CONDITIONS Rough

TOUR MIDNIGHT TO 8 AM TOUR

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. up on Kelly
C.F.O															

B. I. T. S.	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.

MUD	12 mn.	2 a.m.	4 a.m.	6 a.m.	PUMP	12 mn.	2 a.m.	4 a.m.	6 a.m.	PUMP	12 mn.	2 a.m.	4 a.m.	6 a.m.	MOTOR HOURS	Next Oil Change
WEIGHT					No. 1 PRESSURE					No. 2 PRESSURE					1 4330	5356
VISCOSITY					MODEL S.P.M.					MODEL S.P.M.					2 7208	7240
GEL					LINER SIZE					LINER SIZE					3 3988	4070
W.L. F.C. pH.	DESILTER: Hours Op: U. Flow: O. Flow:														4 4272	4280
ADDITIVES:	GENERAL:														5 5636	6408
															Weather	Water Bbls.
															Temp.	

SURVEYS: At Feet / Degrees

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip or Cut (Feet)	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1	WRIGHT	5613	8			3607	45 : 45	3451	14-2-70	3951	1947

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. up on Kelly
C.F.O															

B. I. T. S.	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.

MUD	8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP	8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP	8 a.m.	10 a.m.	12 noon	2 p.m.	MOTOR HOURS	Next Oil Change
WEIGHT					No. 1 PRESSURE					No. 2 PRESSURE					1	
VISCOSITY					MODEL S.P.M.					MODEL S.P.M.					2	
GEL					LINER SIZE					LINER SIZE					3	
W.L. F.C. pH.	DESILTER: Hours Op: U. Flow: O. Flow:														4	
ADDITIVES:	GENERAL:														5	
															Weather	Water Bbls.
															Temp.	

SURVEYS: At Feet / Degrees

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip or Cut (Feet)	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool

TOUR 4 PM TO MIDNIGHT

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. up on Kelly
5 C.F.O								16	6¼	2⅞	485.52				

B. I. T. S.	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
	1	8¾	X3A	2-12-1-13	20985							1						

MUD	4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP	4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP	4 p.m.	6 p.m.	8 p.m.	10 p.m.	MOTOR HOURS	Next Oil Change
WEIGHT					No. 1 PRESSURE					No. 2 PRESSURE					1	
VISCOSITY					MODEL 250 S.P.M.	64	45			MODEL S.P.M.					2	
GEL					LINER SIZE					LINER SIZE					3	
W.L. F.C. pH.	DESILTER: Hours Op: U. Flow: O. Flow:														4	
ADDITIVES:	GENERAL:														5	
															Weather OVER CAST	Water Bbls.
															Temp. 3 —	

SURVEYS: At Feet / Degrees

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip or Cut (Feet)	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1	WRIGHT	5613	8			3607	45 : 45	3451	14-2-70	3951	1947

B.O.P.	Tested	Elapsed Time	Pressure	Packing & Seal Inspected Date
Hydril	✓	15	1000	
Pipe Rams.			1000	
Blind Rams.	✓	15	1000	OK

TOTCO RING ON BIT ☐ Boiler Operated: 24 Hrs.

Crown-o-matic Chk'd.	6 P.	
Rig Savers Chk'd.	OK	
Kelly Cock Chk'd.		
Fire Equip. Chk'd.	O.K.	

Fuel on Hand 12.01 a.m.	gals.
Fuel Rec'd Today (add)	gals.
TOTAL	gals.
Fuel on Hand 11.59 p.m. (deduct)	3338 gals.
FUEL USED	gals.

CASING REPORT

RAN 19 JTS 10¾ CSG TO 580 KB. USED 540 SAX Comct. CEM PLUS 3 % CC. PLUG DOWN A.M. P.M.

CEMENT RETURNS - (YES/NO) Yes

DAYS FROM SPUD: 3¼

GENERAL —

TOTAL COMPANY TIME HRS. TOTAL CONTRACTOR'S TIME HRS.

Approved by Operator's Representative L.C. Sandersmith

Approved by Toolpusher J. McDonald

REMARKS	TIME START	TIME STOP	TIME INTVL.
CIRC CASING.	12	1230	½
CEMENTING BY B.J.	1230	130	1
W.O.C.	130	8	6½
RAN 19 JTS 10¾" 32.75# H40			
ST+C CASING TOTEL 551.47			
LANDED AT 580 K.B. CEMENTED WITH			
540 SAX PORTLAND CEMENT WITH 2% CACL			
SLURRY WEIGHT 14.6# P.O.B 130 AM FEB 29. 1970			
60 BBLS CEMENT RETURNS			
FIRES — DRILLER'S SIGNATURE J. Mahoney			
W.O.C. + HEAD UP.	8	4	8
W.O.C. + HEAD UP	4		
LAY FLARE LINE			
RAS ALL BOP VALVES WITH 1" HOSE			
PRESS TEST BLIND RAM 15 MIN.			
FIX LEAK IN WALK			
HOOK UP KELLY HOSE			
RUN IN TO PRESS TEST CASING		1200	8
FIRES Nil — DRILLER'S SIGNATURE Lyle Tapp			

EQUIPMENT CHANGES — TRANSFER ☐

GP-1-E CONSERVATION BOARD COPY

GP- 86024

GENERAL PETROLEUMS DRILLING LTD.

DAILY DRILLING LOG — RIG NO. 12 — LOCATION H.B. GREAT PLAINS D25 — LSD. — SEC. — TWP. — RGE. — W. — DATE Feb 27 19 70

DIRECTIONS TO WELL 41 SW SIMPSON TRAIL — MAILING POINT FORT SIMPSON — SHIPPING POINT FORT SIMPSON — MILES MOVED 314 — ROAD CONDITIONS ROUGH

TOUR MIDNIGHT TO 8 AM TOUR 8 AM TO 4 PM TOUR 4 PM TO MIDNIGHT

TOUR MIDNIGHT TO 8 AM

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles
422	41	463	4½	34M		

DRILL COLLARS: No. 1 — O.D. 9¾ — I.D. 2¼ — Length 25.65 — Air Wt. — Sub. Wt. 2.5 — C.B. Ft. — Ft. up on Kelly 14
No. 14 — O.D. 6½ — I.D. 2¼ — Length 425.24

B/T/S	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
B	3 JAR	15"	OSC3		2038	10 TO 15	120	41	4½			1	250	62		DRILL		
T																		
S																		

MUD	12 mn.	2 a.m.	4 a.m.	6 a.m.	PUMP	12 mn.	2 a.m.	4 a.m.	6 a.m.	PUMP	12 mn.	2 a.m.	4 a.m.	6 a.m.	MOTOR HOURS	Next Oil Change
WEIGHT				10.1	No. 1 PRESSURE			200		No. 2 PRESSURE					1 5306	5356
VISCOSITY				38	MODEL S.P.M.		62	62		MODEL S.P.M.					2 7184	7240
GEL					220 LINER SIZE	6¼ x 15"				LINER SIZE					3 3954	4070
W.L.	F.C.	ph.			DESILTER: Hours Op:		U. Flow:		O. Flow:						4 4248	4280
ADDITIVES:					GENERAL: CHANGED OIL ON TORQUER CONVERT										5 5632	6408

SURVEYS: At Feet — Degrees

Weather — Temp. MILD — Water 150 Bbls.

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1	WRIGHT	56-13	8	2		3387	45	45	3451	14-2-70	3931	1947

TOUR 8 AM TO 4 PM

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles
463	117	580	3¾			

DRILL COLLARS: No. 17 — O.D. 6½ — I.D. 2¼ — Length — Air Wt. — Sub. Wt. — C.B. Ft. — Ft. up on Kelly
No. 1 — O.D. 8¾ — I.D. 2¼ — Length 80.09 — Air Wt. — Sub. Wt. 255 — C.B. Ft. — Ft. up on Kelly 32.00

B/T/S	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
B	3 JAR	15"	OSC3		2038	10-20	120	86	3¾	7½	6½	1	350	62				
T																		
S																		

MUD	8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP	8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP	8 a.m.	10 a.m.	12 noon	2 p.m.	MOTOR HOURS	Next Oil Change
WEIGHT	10.4	10.5	10.6		No. 1 PRESSURE	~~350~~	350	350		No. 2 PRESSURE					1 3314	5356
VISCOSITY	36	40	47		MODEL S.P.M.	62	62	62		MODEL S.P.M.					2 7142	7240
GEL					LINER SIZE	6½				LINER SIZE					3 3967	4070
W.L.	F.C.	pH.			DESILTER: Hours Op:		U. Flow:		O. Flow:						4 4236	4280
ADDITIVES: GEL 1000 WATER.					GENERAL:										5 5640	6408

SURVEYS: At Feet 487 — Degrees 1/8°

Weather CLEAR — Temp. 30+ — Water 200 Bbls.

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1	WRIGHT	5613	8			3587	45	45	3451	14-2-70	3931	1947

TOUR 4 PM TO MIDNIGHT

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles

DRILL COLLARS: No. 17 — O.D. 6¼ — I.D. 2¼ — Length 248.04 — Air Wt. — Sub. Wt. — C.B. Ft. — Ft. up on Kelly 32.00

B/T/S	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
B	3 JAR	15"	OSC3		2038	10/20	120	158	10									
T																		
S																		

MUD	4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP	4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP	4 p.m.	6 p.m.	8 p.m.	10 p.m.	MOTOR HOURS	Next Oil Change
WEIGHT					No. 1 PRESSURE					No. 2 PRESSURE					1 5322	5356
VISCOSITY					MODEL S.P.M.					MODEL S.P.M.					2 7200	7240
GEL					LINER SIZE					LINER SIZE					3 3980	4070
W.L.	F.C.	pH.			DESILTER: Hours Op:		U. Flow:		O. Flow:						4 4264	4280
ADDITIVES:					GENERAL:										5 5648	6408

SURVEYS: At Feet 560 — Degrees 1½

Weather CLEAR — Temp. 10+ — Water 24 Bbls.

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1	WRIGHT	5613	8		19	3605	45	45	3451	14-2-70	3931	1947

B.O.P.	Tested	Elapsed Time	Pressure	Packing & Seal Inspected Date
Hydril				
Pipe Rams.				
Blind Rams.				

TOTCO RING ON BIT = — Boiler Operated: 24 Hrs.

Crown-o-matic Chk'd.	D.K.	
Rig Savers Chk'd.	D.K.	
Kelly Cock Chk'd.		
Fire Equip. Chk'd.	D.K.	

Fuel on Hand 12.01 a.m.	3704 gals.
Fuel Rec'd Today (add)	gals.
TOTAL	gals.
Fuel on Hand 11:59 p.m. (deduct)	2977 gals.
FUEL USED	727 gals.

CASING REPORT — RAN — JTS — CSG — TO — KB. USED — SAX — CEM — PLUS — PLUG DOWN — A.M. P.M. — CEMENT RETURNS: (YES / NO)

GENERAL

REMARKS

REMARKS	TIME START	TIME STOP	TIME INTVL.
RIG SER	12 00	12 15	¼
WORK ON COND. BBL + FLOW LINE	12 15	1 00	¾
HOIST PLUGGED BIT	1 00	2 00	1
PICK UP 9" DC. + MAKE UP 9" DC AND RUN IN WITH 15" BIT	2 00	3 30	1½
REAMING FROM 422. TO 463	3 30	7 00	4½
FIRES NIL		DRILLER'S SIGNATURE	
RIG SERV	8 00	8 15	¼
DRILLING / REAMING (8¾" TO 15")	8 15	10 00	1¾
SURVEY @ 487' 1/8°	10 00	10 15	¼
DRILLING 15" HOLE	10 15	2 00	3¾
DUMMY TRIP OUT & REAM	2 00		
TIGHT HOLE ON MAIN.		4 00	2
FIRES		DRILLER'S SIGNATURE	
RUNING REAM TO BTM.	4 00	4 30	½
Rig Serv	4 30	4 45	¼
CIRC	4 45	5 15	½
5 STAND = TRIP	5 15	6 00	¾
CIRC.	6 00	6 30	½
P.O.H. TO RUN CASING.	6 30	8 00	1¼
REG. UP + RAN CASING.	4 15	11 45	3½
CIRC CASING.	11 45	12 00	¼
FIRES		DRILLER'S SIGNATURE	

EQUIPMENT CHANGES — TRANSFER =

DAYS FROM SPUD:

TOTAL COMPANY TIME HRS. — TOTAL CONTRACTOR'S TIME HRS.

Approved by Operator's Representative: C Blackwell

Approved by Toolpusher: M-D Mahon

GP-1-1-E — CONSERVATION BOARD COPY — GP- 86023

GENERAL PETROLEUMS DRILLING LTD.

DAILY DRILLING LOG — RIG NO. 12 — LOCATION H.B. GREAT PLAINS D.25 — LSD. — SEC. — TWP. — RGE. — W. — DATE FEB 26 19 70

DIRECTIONS TO WELL 41 S.W. SIMPSON — MAILING POINT FORT SIMPSON — SHIPPING POINT FORT SIMPSON — MILES MOVED 314 — ROAD CONDITIONS ROUGH

TOUR MIDNIGHT TO 8 A.M. TOUR 8 A.M. TO 4 P.M. TOUR 4 P.M. TO MIDNIGHT

TOUR MIDNIGHT TO 8 A.M.

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. up on Kelly
129	242	371	7¼					10	6¼	2⅞	303.53		2.51		

B	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
1	1A	15	OSC3	3-7/4	12037	20-25	122	371	11½			1	150	62		DRILLING		
T																		
S																		

MUD	12 mn.	2 a.m.	4 a.m.	6 a.m.
WEIGHT	88	88	92	92
VISCOSITY	33	40	42	46
GEL				
W.L.		F.C.		

PUMP	12 mn.	2 a.m.	4 a.m.	6 a.m.
No. 1 PRESSURE	100	100	150	200
MODEL 230 S.P.M.	62	62	62	62
LINER SIZE	6¾	7 1/8"		

PUMP	12 mn.	2 a.m.	4 a.m.	6 a.m.
No. 2 PRESSURE				
MODEL S.P.M.				
LINER SIZE				

DESILTER: Hours Op: — U. Flow: — O. Flow:

ADDITIVES: GEL - 500 lbs — LIME 15 lbs — WATER

GENERAL: CHANGE ROTERE SEALS TO TABLE

SURVEYS At Feet	Degrees
179	¾
334	¼

Weather SNOW — Temp. 20+ — Water 200 Bbls.

MOTOR HOURS	Next Oil Change
1 5282	5356
2 7158	7240
3 3930	4070
4 4224	4280
5 5608	6408

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1	WAIGHT	36 13	8			3367	45	45	3451	14-2-70	3931	1947

REMARKS	TIME START	TIME STOP	INTVL.
RIG SER	12 00	12 15	¼
DRILL 15" HOLE	12 15	4 15	
SURVEY	4 15	4 30	¼
DRILL 15" HOLE	4 30	7 15	2¾
SURVEY	7 15	7 30	¼
DRILL 15" HOLE	7 30	8 00	½

FIRES NIL — DRILLER'S SIGNATURE

TOUR 8 A.M. TO 4 P.M.

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. up on Kelly
371	62	433	5¼					13	6¼	2⅜	396.73				DOWN

B	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
1	1A	15	OSC3		12037	10-25	120-130	422	16¼			1	200	62				
T	2	8¾	405	3 Cone	16199	10-20	120	11	1½			1	400	62				
S																		

MUD	8 a.m.	10 a.m.	12 noon	2 p.m.
WEIGHT				
VISCOSITY				
GEL				
W.L.		F.C.		pH.

PUMP	8 a.m.	10 a.m.	12 noon	2 p.m.
No. 1 PRESSURE				
MODEL S.P.M.				
LINER SIZE				

PUMP	8 a.m.	10 a.m.	12 noon	2 p.m.
No. 2 PRESSURE				
MODEL S.P.M.				
LINER SIZE				

DESILTER: Hours Op: — U. Flow: — O. Flow:

ADDITIVES: GEL 100 lbs. — GENERAL:

WATER

SURVEYS At Feet	Degrees

Weather CLEAR — Temp. 25 — Water 200 Bbls.

MOTOR HOURS	Next Oil Change
1 5290	5356
2 7166	7240
3 3938	4070
4 4232	4280
5 5616	6408

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1	WAIGHT	5613	8			3367	45	45	3451	14-2-70	3931	1407

REMARKS	TIME START	TIME STOP	INTVL.
DRILLING 15" HOLE.	8 00	10 00	2
H.S.I.P. AUTOMATIC SAMPLE CATCHER	10 00	10 30	½
RIG SERV	10 30	10 45	¼
DRILLING 15" HOLE.	10 45	1 00	2¼
REPAIR PUMP BDL.	1 00	1 30	½
DRILLING 15" HOLE	1 30	2 00	½
TRIP OUT & LAY DOWN 8 3/4" D.C. & PICK UP 6¼ D.C. RUN IN.	2 00	3 30	1½
DRILLING.	3 30	4 00	½

FIRES — DRILLER'S SIGNATURE

TOUR 4 P.M. TO MIDNIGHT

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft.	Ft. up on Kelly
433	61	494	3¾	54				15	6¼	2⅜	457.44		2.51		IN

B	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
1	2A	8¾	OSC3	3-12	16199	10-20	80/100	72	4¼							PICK UP		
T																		
S																		

MUD	4 p.m.	6 p.m.	8 p.m.	10 p.m.
WEIGHT	8.8	9.1	9.1	9.1
VISCOSITY	35	42	200	100
GEL				
W.L.		F.C.		pH.

PUMP	4 p.m.	6 p.m.	8 p.m.	10 p.m.
No. 1 PRESSURE	450			
MODEL S.P.M.	230			
LINER SIZE	6¾			

PUMP	4 p.m.	6 p.m.	8 p.m.	10 p.m.
No. 2 PRESSURE				
MODEL S.P.M.				
LINER SIZE				

DESILTER: Hours Op: — U. Flow: — O. Flow:

ADDITIVES: GEL 500 lbs — LIME 45 lbs — GENERAL:

SURVEYS At Feet	Degrees

Weather — Temp. 30 — Water 200 Bbls.

MOTOR HOURS	Next Oil Change
1 5288	5356
2 7134	7240
3 3946	4070
4 4240	4280
5 5624	6408

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip	Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1	WAIGHT	5613	8			3367	45	45	3445	14/2/70	3931	194

REMARKS	TIME START	TIME STOP	INTVL.
RIG SERV.	4 00	4 15	¼
DRILL 8¾ HOLE	4 15	8 00	3¾
WORK ON COND. R.B.L.	8 00	12 00	4

FIRES — DRILLER'S SIGNATURE

B.O.P.	Tested	Elapsed Time	Pressure	Packing & Seal Inspected Dies
Manual	OK			
Pipe Rams				
Blind Rams				
TOTO RING ON 8¾				

Boiler Operated 24 Hrs.

Crown-o-matic Chk'd.	O.K.
Rig Savers Chk'd.	O.K.
Kelly Cock Chk'd.	
Fire Extg. Chk'd.	O.K.

Fuel on Hand 12:00 p.m.	5784	gals.
Fuel Rec'd Today (odo)		gals.
TOTAL		gals.
Fuel on Hand 11:59 p.m. (deduct)		gals.
FUEL USED		gals.

CASING REPORT — RAN — JTS — CSG — TO — KB — USED — SAX — CEM — PLUG DOWN — A.M. P.M. — CEMENT RETURNS: (YES) (NO)

GENERAL —

EQUIPMENT CHANGES — TRANSFER

DAYS FROM SPUD:

TOTAL COMPANY TIME HRS. — TOTAL CONTRACTOR'S TIME HRS.

Approved by Operator's Representative J.C. Chamberlain

Approved by Toolpusher L. McDonald

CONSERVATION BOARD COPY

GP- 86022

GENERAL PETROLEUMS DRILLING LTD.

DAILY DRILLING LOG — RIG NO. 12 — LOCATION HB GREAT PLAINS D.25 — LSD. — SEC. — TWP. — RGE. — W. — DATE FEB 26 19 73

DIRECTIONS TO WELL 41 S.W. SIMPSON — MAILING POINT FORT SIMPSON — SHIPPING POINT FORT SIMPSON — MILES MOVED 314 — ROAD CONDITIONS HOUGH

TOUR MIDNIGHT TO 8 AM TOUR 8 AM TO 4 PM TOUR 4 PM TO MIDNIGHT

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles
129	242	371	7¼			

DRILL COLLARS: No. 1 / 10 — O.D. 8¾ / 6¼ — I.D. 2¼ / 2⅛ — Length 28.43 / 303.53 — Air Wt. — Sub. Wt. 2.51 — C.B. Ft. — Ft. up on Kelly

B/I/T/S	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
B	1A	15	OSC3	3-11/14	12037	20-25	120	371	11½			1	150	62		DRILLING		
T																		
S																		

MUD	12 m.	2 a.m.	4 a.m.	6 a.m.	PUMP	12 mn.	2 a.m.	4 a.m.	6 a.m.	PUMP	12 mn.	2 a.m.	4 a.m.	6 a.m.
WEIGHT	8.8	8.8	9.2	9.2	No. 1 PRESSURE	100	100	150	200	No. 2 PRESSURE				
VISCOSITY	35	40	42	40	MODEL 250 S.P.M.	60	60	62	62	MODEL S.P.M.				
GEL					LINER SIZE	6¼	X15			LINER SIZE				

W.L. — F.C. — pH. — DESILTER: Hours Op: — U. Flow: — O. Flow:

ADDITIVES: GEL - 500 lbs — GENERAL: CHANGE ROTER SEAL TO TABLE

LIME 15 lbs WATER

MOTOR HOURS	Next Oil Change
1 5282	5356
2 7158	7240
3 3930	4070
4 4224	4280
5 5608	6408

SURVEYS: At Feet 179 — Degrees ¾ ; At Feet 334 — Degrees ¼

Weather SNOW — Temp. 20+ — Water 200 Bbls.

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip or Cut	Feet	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1	WRIGHT	S613	8			3507	45		3451	14-2-70	3931	1947

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles
371	62	433	5¼			

DRILL COLLARS: No. 13 — O.D. 6¼ — I.D. 2⅛ — Length 396.73 — Air Wt. — Sub. Wt. — C.B. Ft. — Ft. up on Kelly DOWN

B/I/T/S	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
B	1A	15	OSC3		12037	10-25	120-130	422	16¼			1	250	62				
T	2	8¾	OSC3	CONV.	16149	10-20	120	11	½			1	400	62				
S																		

MUD	8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP	8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP	8 a.m.	10 a.m.	12 noon	2 p.m.
WEIGHT					No. 1 PRESSURE					No. 2 PRESSURE				
VISCOSITY					MODEL S.P.M.					MODEL S.P.M.				
GEL					LINER SIZE					LINER SIZE				

W.L. — F.C. — pH. — DESILTER: Hours Op: — U. Flow: — O. Flow:

ADDITIVES: GEL 10 SKS. — GENERAL:

WATER

MOTOR HOURS	Next Oil Change
1 5290	5356
2 7166	7240
3 3938	4070
4 4232	4280
5 5616	6408

SURVEYS: At Feet — Degrees

Weather CLEAR — Temp. 25+ — Water 200 Bbls.

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip or Cut	Feet	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1"	WRIGHT	3613	8			3567	#5	#5	3451	14-2-70	3931	1907

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles
433	61	494	3¾	34		

DRILL COLLARS: No. 15 — O.D. 6¼ — I.D. 2⅛ — Length 457.44 — Air Wt. — Sub. Wt. 2.51 — C.B. Ft. — Ft. up on Kelly IN

B/I/T/S	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
B	2A	8¾	OSC3	3-12	16199	10-30	80/100	72	4¼							1 Point		
T																		
S																		

MUD	4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP	4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP	4 p.m.	6 p.m.	8 p.m.	10 p.m.
WEIGHT	9.0	9.0	9.0	9.5	No. 1 PRESSURE	400				No. 2 PRESSURE				
VISCOSITY	35	40	100	100	MODEL S.P.M.	60				MODEL S.P.M.				
GEL					X50 LINER SIZE	6¼				LINER SIZE				

W.L. — F.C. — pH. — DESILTER: Hours Op: — U. Flow: — O. Flow:

ADDITIVES: GEL 500# — GENERAL:

LIME 25#

MOTOR HOURS	Next Oil Change
1 5298	5356
2 7134	7240
3 3946	4070
4 4240	4280
5 5621	6408

SURVEYS: At Feet — Degrees

Weather Cloudy — Temp. 30 — Water 210 Bbls.

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip or Cut	Feet	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
	1	WRIGHT	5613	8			3567	#5	#5	3451	14-12-70	3931	1947

B.O.P.	Tested	Elapsed Time	Pressure	Packing & Seal Inspected Date
Hydril				
Pipe Rams				
Blind Rams				

TOTCO RING ON BIT = — Boiler Operated: 24 Hrs.

Crown-o-matic Chk'd.	O.K	Fuel on Hand 12.01 a.m.	3704 gals.
Rig Savers Chk'd.	O.K	Fuel Rec'd Today (add)	gals.
Kelly Cock Chk'd.		TOTAL	gals.
Fire Equip. Chk'd.	O.K	Fuel on Hand 11.59 p.m. (deduct)	gals.
		FUEL USED	gals.

CASING REPORT — RAN — JTS — CSG — TO — KB. USED — SAT — CEM — PLUS — PLUG DOWN — A.M. P.M. — CEMENT RETURNS (YES NO)

EQUIPMENT CHANGES — TRANSFER =

DAYS FROM SPUD:

GENERAL —

TOTAL COMPANY TIME HRS. — TOTAL CONTRACTOR'S TIME HRS.

Approved by Operator's Representative L C Sanderson

Approved by Toolpusher L M Donald

GP 1-DE — CONSERVATION BOARD COPY

GP-86022

REMARKS

REMARKS	START	STOP	INTVL
RIG SER	12 00	12 15	¼
DRILL 15" HOLE	12 15	4 15	4
SURVEY	4 15	7 30	¼
DRILL 15" HOLE	4 30	7 15	2¾
SURVEY	7 15	7 30	¼
DRILL 15" HOLE	7 30	8 00	½
FIRES NIL — DRILLER'S SIGNATURE			
DRILLING 15" HOLE.	8 00	10 30	2
#5 UP AUTOMATIC SAMPLE CATCHER	10 30	10 30	½
RIG SERV	10 30	10 45	¼
DRILLING 15" HOLE	10 45	1 00	2¼
REPAIR CON #3 BOL.	1 00	1 30	½
DRILLING 15" HOLE	1 30	2 00	½
TRIP OUT + LAY DOWN 8 3/4"	2 00		
D.C. + PICK UP 6¼ D.C. RUN IN.		3 30	1½
DRILLING.	3 30	4 00	½
FIRES — DRILLER'S SIGNATURE			
RIG SERV.	4 00	4 15	¼
DRLG. 8¾ HOLE	4 15	8 00	3¾
WORK ON COND. P.B.L.	8 00	12 00	4
FIRES — DRILLER'S SIGNATURE			

GENERAL PETROLEUMS DRILLING LTD.

DAILY DRILLING LOG

RIG NO. 12 LOCATION H.B. GREAT PLAINES D25 LSD. SEC. TWP. RGE. W. DATE FEB 25 1971

DIRECTIONS TO WELL HI S.W. SIMSON TRAIL

MAILING POINT FORT SIMSON SHIPPING POINT FORT SIMSON MILES MOVED 314 ROAD CONDITIONS ROUGH

TOUR MIDNIGHT TO 8 AM TOUR

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No.	O.D.	I.D.	Length	Air Wt.	Sub. Wt.	C.B. Ft	Ft. up on Kelly

B.	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
1																		
T																		
S																		

MUD	12 mn.	2 a.m.	4 a.m.	6 a.m.	PUMP	12 mn.	2 a.m.	4 a.m.	6 a.m.	PUMP	12 mn.	2 a.m.	4 a.m.	6 a.m.	MOTOR HOURS	Next Oil Change
WEIGHT					No. 1 PRESSURE					No. 2 PRESSURE					1 3258	
VISCOSITY					MODEL S.P.M.					MODEL S.P.M.					2 7142	
GEL					LINER SIZE					LINER SIZE					3 3912	
W.L.	F.C.	pH.	DESILTER: Hours Op:		U. Flow:		O. Flow:			SURVEYS At Feet	Degrees				4 4206	
ADDITIVES:			GENERAL:												5 5584	
															Weather	Water
															Temp.	Bbls.

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No. 1	O.D.	I.D.	Length 28.65	Air Wt.	Sub. XO 2.51	C.B. Ft.	Ft. up on Kelly

B.	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
1	IA	15	0513		12037													
T																		
S																		

MUD	8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP	8 a.m.	10 a.m.	12 noon	2 p.m.	PUMP	8 a.m.	10 a.m.	12 noon	2 p.m.	MOTOR HOURS	Next Oil Change
WEIGHT					No. 1 PRESSURE					No. 2 PRESSURE					1 5266	5336
VISCOSITY					MODEL S.P.M.					MODEL S.P.M.					2 7150	7240
GEL					LINER SIZE					LINER SIZE					3 3914	4070
W.L.	F.C.	pH.	DESILTER: Hours Op:		U. Flow:		O. Flow:			SURVEYS At Feet	Degrees				4 4208	4280
ADDITIVES:			GENERAL:												5 5592	6408
															Weather	Water
															Temp.	Bbls.

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool
1		WRIGHT	3613	8			3567	25 : 05.	3451	14/2/71	3951	1947

From	Footage	To	Hrs. on Bottom	Wt. Drill Pipe (1000 lbs.)	Stands	Singles	DRILL COLLARS	No. 2	O.D. 6 1/4	I.D. 7/8	Length 84.75	Air Wt.	Sub. 2.51	C.B.	Ft. up on Kelly 27.00
0	124'	124'	4 1/4	15											

B.	No.	Size	Type	Jets/W.C.	Serial No.	Wgt.	R.P.M.	Drilled or Cored	Hrs.	Reamed	Hrs.	Pump No.	Pump Pressure	S.P.M.	Table Torque	T.	B.	G.
1	IA	15	0503		12037	15	80	129'	4 1/4							Drlg.		
T																		
S																		

MUD	4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP	4 p.m.	6 p.m.	8 p.m.	10 p.m.	PUMP	4 p.m.	6 p.m.	8 p.m.	10 p.m.	MOTOR HOURS	Next Oil Change
WEIGHT					No. 1 PRESSURE					No. 2 PRESSURE					1 5274	5556
VISCOSITY					MODEL S.P.M.					MODEL S.P.M.					2 7150	7240
GEL					LINER SIZE					LINER SIZE					3 3922	4070
W.L.	F.C.	pH.	DESILTER: Hours Op:		U. Flow:		O. Flow:			SURVEYS At Feet	Degrees				4 4216	4280
ADDITIVES:	GEL 1300#		GENERAL:							455	1/2°				5 5600	6408
	CAUSTIC 100#									545	1/2°				Weather OVERCAST	Water
															Temp. 30	150 Bbls.

Drilling Line Record	Size	Make	Serial No.	No. Lines	Trips	Ton Miles	Total Miles	Slip Feet or Cut	At Miles	Date Slip or Cut	Next Slip	Ft. Left on Spool

B.O.P.	Tested	Elapsed Time	Pressure	Packing & Seal Inspected Date
Hydril				
Pipe Rams.				
Blind Rams.				

TOTCO RING ON BIT =

Boiler Operated: 24 Hrs.

Crown-o-matic Chk'd.	OK	Fuel on Hand 12.01 a.m.	gals.
Rig Savers Chk'd.	OK	Fuel Rec'd Today (add)	gals.
Kelly Cock Chk'd.		TOTAL	gals.
Fire Equip. Chk'd.	OK	Fuel on Hand 11.59 p.m. (deduct)	gals.
		FUEL USED	gals.

CASING, REPORT RAN

TO KB. USED

PLUS

CEMENT RETURNS - (YES NO)

JTS CSG

SAX CEM

PLUG DOWN A.M. P.M.

DAYS FROM SPUD:

EQUIPMENT CHANGES

TRANSFER =

TOTAL COMPANY TIME HRS.

TOTAL CONTRACTOR'S TIME HRS.

Approved by Operator's Representative L.C. Fawcett

Approved by Toolpusher J. McDaniel

GP-1-E

CONSERVATION BOARD COPY

GP- 86021

REMARKS	TIME START	TIME STOP	TIME INTVL.
HOOK UP FLOW LINE	12		
WAIT ON SUITCASES			
REPAIR 2" LINE IN SUITCASE			
~~PICK UP 5 DC.~~			
UNLOAD 7" DRILL PIPE			
PUT UP STAIRS TO DOG HOUSE			
HOOK UP SUITCASES		8	
FIRES NIL L. Tourn DRILLER'S SIGNATURE			
REPAIR SUITCASES W.O. WATER ^	8		
LINES. STEAM LINES RIG PUMP			
PICK UP 8 3/4" REED RT RIG			
TO SPUD. REPAIR LEAKS IN	10		
RADIATOR BAY.	4	8	
ONE SUIT CASE ON TRUCK # 106			
BADLY BROKEN AND BENT			
PIPES WERE BROKEN HAD TO BE PUSHED			
TWO BROKEN PIPE ~ HAULED BY			
KNAPP'S TRANSPORT / TRUCK # 106			
FIRES L. Maloney DRILLER'S SIGNATURE			
WELD ON COND. BELL.	4	5	1
SPUD IN 15" DRILL DOWN 3 1/2 D.C.'s	5	6.30	1 1/2
RE PACK SWIVEL	6.30	8	1 1/2
DRLG. 15" HOLE.	8	10	2
CIRC MIX MUD.	10	10.30	1/2
DRLG.	10.30	11.30	1
SURV.	11.30	11.45	1/4
DRLG.	11.45	12	1/4
FIRES R.H. Mayerhofer DRILLER'S SIGNATURE			

GENERAL —