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Microfilmed 80-07	Date Released
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FINAL WELL REPORT

PARAMOUNT HB et al CAMERON J-62

SUMMARY OF WELL DATA

FINAL WELL REPORT

PARAMOUNT HB et al CAMERON J-62

SUMMARY OF WELL DATA

Well Name and Number: Paramount HB et al Cameron J-62

Permittee: Hudson's Bay Oil and Gas Company Limited

Operator: Paramount Resources Ltd.
1800, 717 Seventh Avenue S. W.
Calgary, Alberta

Location: Northwest Territories
Unit J Section 62
Latitude 60°01'31" N
Longitude 117°26'50" W
Unique Identifier: 300562601017150
Lat. 60.0253°
Long. 117.4472°

Lease No.: 921-71

Contractor: Sedco Drilling Rig No. 86

Drilling Authority No. 949

Classification: Exploratory well

Elevations: Ground 751.94 m
K.B. 755

Spudded: 7 February, 1980

Completed drilling: 5 March, 1980

Total depth: 1605 m

Rig release: 11 March, 1980

Hole size: 323.85mm to 524 m
222.25mm 524 to 1605 m

Casing: 244.5mm set at 524 m
139.7mm set at 1605 m

Status: Gaswell Sulphur Point

SUMMARY OF DRILLING OPERATIONS

This well was drilled by Rig 86 of Sedco Drilling. It was intended, at the time the well was spudded, to drill the well with air to increase the penetration rate and to avoid formation damage. An obvious advantage is that gas flows can be monitored and measured while drilling.

As it happened, excessively deep surface hole was drilled in an attempt to get below the basal Cretaceous unconformity which is a likely source of water. The attempt was unsuccessful, and surface casing was set at 524 metres, above the unconformity. Air drilling was attempted below the surface casing, but had to be abandoned almost immediately (580 metres) because of water entry from the Cretaceous. A KCl mud system was used. Samples were extremely poor, most of the material passing through the screen until about 630 metres.

Drilling proceeded without serious problems to a total depth of 1605 metres. The Sulphur Point was found in samples to be porous and stained with light oil. The Keg River, the Slave Point and the Twin Falls also showed some promise on electric logs if not in samples, so all four zones were tested. Test results are listed elsewhere.

The Sulphur Point test merits some discussion. Because of the report of light oil staining in samples, the flow period was extended to five hours when it was known that the zone was flowing gas, in order to see if any oil might also enter the bore hole. In order to be sure of a good build-up curve, the shut-in period was extended to ten hours. It need not have been, as it happened. No oil was recovered, and pressure build-up on final shut-in was complete, and the same as initial shut-in,

in about forty-five minutes. Flow rate on one-half inch down hole orifice was about 2 1/4 MMcf/d. This indicates a good gas reservoir with fairly good permeability and no discernible draw-down after 5 hours of drainage.

No hydrocarbons were recovered in the other tests. The test of the Twin Falls was a misrun because no packer seat could be obtained.

Casing was set to T.D., and the well is a Sulphur Point gas well. From wellhead measurement, the gas contains 400 ppm H_2S (0.04%), little more than a trace. No market is available at present, so completion will probably be deferred until such time as marketing is imminent.

GEOLOGICAL INFORMATION

Formation Tops	Depth	Elevation
Wabamun	548	+207
Jean Marie	684	+ 71
Ft. Simpson	694	+ 61
Twin Falls	804	- 49
Hay River	944	-189
Beaverhill Lake	1257	-502
Muskwa	1291	-536
Slave Point	1317	-562
Watt Mountain	1368	-613
Bistcho	1374	-619
Sulphur Point	1384	-629
Muskeg	1397	-642
Keg River	1495	-740
Chinchaga	1582	-827
pre-Cambrian	1604	-849

GEOLOGICAL REMARKS

CRETACEOUS

Cretaceous sediments, black to dark gray bentonitic shale appeared in the 325 m. sample. However, well above this depth the drilling water turned gradually into a dark gray mud. This suggests that the black bentonitic shales had been dissolved in the water and did not reach the surface before the bit had reached a depth of 325 m. The samples above this depth comprised coarse sand and fine gravel. After converting from air to water drilling the rubber gasket including the steel flange had slipped from the air rotating head down the drill string causing a restricted flow of drilling fluid and a venturi effect wherever it was fixed on the drill stem. The result of this was probably a larger hole diameter in the unconsolidated sand and gravels of the drift. The locally increased annular velocity probably favoured the dissolution of the soft bentonitic shale until the drilling fluid was saturated or the obstruction was below the top of the bentonitic shale. When the bit was pulled at 524 m the rubber gasket and the steel flange were firmly locked onto the top drill collar, approximately 115 m. above the bit. Therefore it is possible that the top of the Cretaceous could be as much as 115 m. higher, at 210 m.

The 520 m. sample has some black, white speckled shale with some fish remains (second white specks?).

Surface casings were set at 524 m. After the cement was drilled out, air drilling was resumed. However, soon an increasing flow of water requested the use of soap. Samples had to be caught in a bucket. This sample fluid appeared to be sandy. However the solids could not be separated. They disappeared through the screen while being rinsed.

At 540 m. some buff and slightly glauconitic siltstone and some bright green shale pieces were recovered, and from 550 m. down chunks of bituminous coal were prominent.

DEVONIAN

At 580 m. drilling with air became impossible because of the strength of the water flow. Drilling was continued with a KCl-water solution. The first sample after the switch-over was collected at 850 m., comprising a few pieces of bituminous coal. At 590 m. no solids accumulated on the shaker screen. From 595 - 625 m. sacks were used to collect what appeared to be "sand grains". However, these grains were very fine particles of Devonian limestone. Between 620 and 630 m. the size of the drill cuttings increased considerably and normal sampling could be resumed.

Based on sample evidence, the top of the Devonian is at 595 m.

When the well was logged, it was discovered that the pipe tally was out by 8 m. Since the total depth was 1605 m. and not as recorded by the driller 1613 m., the samples have been rearranged and have been labelled two intervals (10 m.) up. This explains why some formation tops appear in samples slightly above the log tops.

307154

RECEIVED
NORTHERN OPERATIONS
BRANCH D T AND
YELLOWKNIFE

APR 3 15 32 '80

Summary of Directional and Deviation Surveys

<u>Depth m</u>	<u>Deviation °</u>
32	1/4
60	1/4
97	1/4
135	1/4
191	1/4
219	1/4
285	1/4
323	1/2
524	1/2
663	1/2
786	1/4
940	1/4
1101	2
1103	2
1133	1 3/4
1142	1 1/4
1180	1
1542	2 1/4

D.S.T. RECORD

- DST #1: 1515 - 1529 Keg River
Times 10, 30, 60, 120
Recovered 1090 m. total fluid consisting of
50 m. mud
115 m. sulphur salt water
925 m. gas cut sulphur water (30,400 ppm)
Mud 12,000 ppm

Pressures HP 16148/15714
SIP 10330/10330
FP 5642/10330
- DST #2: 1383 - 1395 Sulphur Point
Times 10, 60, 300, 600
G.T.S. 2 1/2 min. on pre-flow
On V.O. fluid to surface in 2 min.
Fine mist after 4 hours, ppm 25,000
68853 cu.m./day (2.289 MMcf/d)
H2S 400 ppm.
HP 14659/14488
FP 3341/4033 PF 1993
SIP 9531/9531
Rec. 12 m. ammonia water
28 m. sulphurous salt water (26,800 ppm)
- DST #3: 1319 - 1348 Slave Point
Times 10, 60, 60, 120
W.A.B. on pre-flow
On V.O. W.A.B. increasing to strong then decreasing
to dead in 40 min.
Recovered 30 m. inhibited water,
40 m. drilling mud
100 m. mud-cut salt water (28,600 ppm)
HP 14030/13915
FP 1583/1876 PF 1465
SIP 8218/9246
- DST #4: 812 - 835 Twin Falls
Misrun, count not seal packer.

Logs

The following logs were run at T.D.

Dual Laterolog: 1605 to Surface Casing.

Compensated Neutron Formation Density with
Gamma Ray and Caliper: 1605 to Surface Casing.

The Dual Laterolog was run instead of the Dual Induction Laterolog because of the use of KCl mud. Unfortunately, the deep penetration curve did not function correctly.

Cores

No cores were taken in this well.

Water Samples

Analyses of water samples from DST's 1 and 3 are attached.

- 8 -
WATER ANALYSIS

LABORATORY NUMBER

E80-1975-3

PARAMOUNT RESOURCES LTD.

PARAMOUNT HB ET AL CAMERON J-62

755 751.9

CAMERON

KEG RIVER

QUINN TESTERS

TEST TYPE

DST

NO

1

MULTIPLE
RECOVERY

V N

IX

TEST RECOVERY

1095 M. 50 M DRILLING FLUID, 115 M MUDDY SULPHUROUS WATER
925 M GAS CUT SULPHUROUS WATER.

SAMPLING POINT

0.305 M ABOVE SIT

ANT. & TYPE OF CUSHION

MLD RESISTIVITY

@ 25

Test Interval (metres)

1515 - 1529

Perforations (metres)

TYPE OF PRODUCTION

PUMPING

FLOWING

GAS LIFT

SWAB

PRODUCTION RATES

WATER

m³/d

OIL

m³/d

GAS

10³ m³/d

SEPARATOR

TREATER

RESERVOIR

SOURCE

GAUGE PRESSURE

IPa

SEPARATOR

TREATER

RESERVOIR

SOURCE

TEMPERATURE

°C

DATE SAMPLED (Y-M-D)

80/03/07

DATE RECEIVED (Y-M-D)

80/03/14

DATE REPORTED (Y-M-D)

80/03/28

ANALYST

A.L.

OTHER INFORMATION

ION	$\frac{m \cdot V^1}{g \cdot m^{-3}}$	Mass Fraction	$\frac{c}{mol \cdot m^{-3}}$	ION	$\frac{m \cdot V^1}{g \cdot m^{-3}}$	Mass Fraction	$\frac{c}{mol \cdot m^{-3}}$
Na	7 729	0.1811	336.21	Cl	21 280	0.4986	600.10
K	6 846	0.1604	175.26	Br			
Ca	2 721	0.0638	67.89	I			
Mg	340	0.0080	13.98	HCO ₃	715	0.0168	11.73
Ba				SO ₄	3 047	0.0713	31.69
Sr				CO ₃	0	0.0000	0.00
Fe	TRACE			OH	0	0.0000	0.00
				H ₂ S	PRESENT		

TOTAL SOLIDS $\frac{m \cdot V^1}{g \cdot m^{-3}}$

EVAPORATED @ 110°C

54 440

EVAPORATED @ 150°C

AT 100°C

40 070

CALCULATED

42 678

ORGANICS: PRESENT

RELATIVE DENSITY

1.029 @ 20°C

REFRACTIVE INDEX

1.3391 @ 20°C

OBSERVED pH

7.6 @ 21°C

RESISTIVITY (Ω·m)

0.172 @ 25°C

REMARKS

The sample consists of muddy salt water. The analysis indicates some KCl mud filtrate contamination.

continued.....

LOGARITHMIC PATTERN $c/mol \cdot m^{-3}$

Na

Cl

1/2 Ca

HCO₃

1/2 Mg

1/2 SO₄

1/2 Fe

1/2 CO₃

PARAMOUNT RESOURCES LTD

LABORATORY REPORT NUMBER: E80-1995

E80-1090-1:

Sample taken from 1090 Above Sit

RESISTIVITY: 0.222 OHM/Meters @ 25°C

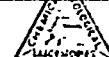
Watery mud.

E80-1090-2:

Sample taken from 800 Above Sit

RESISTIVITY: 0.103 OHM/Meters @ 25°C

Muddy water. H₂S Present



CONTAINER IDENTITY

GAS ANALYSIS

LABORATORY NUMBER

6854

E80-1996-3

LICENSE NUMBER

OPERATOR NAME

CPANUMBER

PARAMOUNT RESOURCES LTD.

WELL NAME

ELEVATIONS
ES IN METERS GRD

PARAMOUNT H.B. ET AL CAMERON J-62

755. 751.9

SULPHUR POINT

NAME OF SAMPLER

QUINN TESTERS

FIELD OR AREA

CAMERON

TEST TYPE

NO

D.S.T. 2

TEST RECOVERY

40 M: 12 AMMONIA WATER, 28 SULPHEROUS SALT WATER.

MULTIPLE
RECOVERY

X

Total Interval (metres)

1383 - 1395

Perforations (metres)

SAMPLING POINT
BUBBLE HOSE

AIR & TYPE OF CUSHION

MUD RESISTIVITY

@ 25°C

TYPE OF PRODUCTION

PUMPING

FLOWING

GAS LIFT

SWAB

PRODUCTION RATES

WATER	m ³ d	OIL	m ³ d	GAS	m ³ d	SAMPLED	CONTAINER	RECEIVED
SEPARATOR		TREATER		RESERVOIR		SOURCE		
SEPARATOR		TREATER		RESERVOIR		SOURCE		

GAUGE PRESSURE kPa

TEMPERATURE °C

DATE SAMPLED (Y M D)

80/03/08

DATE RECEIVED (Y M D)

80/03/14

DATE REPORTED (Y M D)

80/03/31

ANALYST

J.C.

OTHER INFORMATION

COMP	MOLE FRACTION AIR FREE AS RECEIVED	MOLE FRACTION AIR FREE ACID GAS FREE
H ₂	0.0001	0.0001
H ₂	0.0002	0.0002
N ₂	0.0226	0.0226
CO ₂	0.0000	0.0000
H ₂ S	0.0000	0.0000
C ₁	0.9073	0.9073
C ₂	0.0590	0.0590
C ₃	0.0054	0.0054
IC ₄	0.0009	0.0009
NC ₄	0.0021	0.0021
IC ₅	0.0007	0.0007
NC ₅	0.0007	0.0007
C ₆	0.0008	0.0008
C ₇	0.0002	0.0002
C ₈	TRACE	TRACE
C ₉	0.0000	0.0000
C ₁₀₊	0.0000	0.0000
TOTAL	1.0000	1.0000

PETROLEUM
LIQUID CONTENTGROSS HEATING VALUE MJ/m³
15°C AND 101.325 kPaMOISTURE AND ACID GAS FREE
MEASURED CALCULATED

39.35

DETERMINED
DEW POINTVAPOUR PRESSURE
PENTANES PLUS

88 kPa

MOISTURE FREE AS SAMPLED
MEASURED CALCULATED

INSUFFICIENT

0.608

MOISTURE AND ACID GAS FREE
MEASURED CALCULATED

0.608

PSEUDO CRITICAL PROPERTIES (CALCULATED)

p_{p, 101.325} AS SAMPLED

4618 kPa

p_{TC}

198.7 °C

p_{p, 101.325}

4618 kPa

p_{TC}

198.7 °C

H₂S g/m³ 0.00

RELATIVE MOLECULAR MASS

Total Gas

17.6 C₂ 100.2C₆₊ ML/MOL 0.135

GROSS HEATING VALUE AS PER AGA REPORT #5

39.44 MAJ/M³ @ 15°C AND 101.325 KPA



CHEMICAL & GEOLOGICAL LABORATORIES LTD.

EDMONTON FORT ST. JOHN CALGARY

- 10 -
WATER ANALYSIS

LABORATORY NUMBER

E80-1997-2

CONTAINER IDENTITY

LICENSE NUMBER

OPERATOR NAME

PARAMOUNT RESOURCES LTD.

CPANUMBER

WELL NAME

PARAMOUNT HB ET AL CAMERON J-62

ELEVATION
FE (METER) GDS

755

751

FIELD OR AREA

CAMERON

POOL OR ZONE

SLAVE POINT

NAME OF SAMPLER

COMPANY

QUINN TESTERS

TEST TYPE

DST

NO

3

TEST RECOVERY

170 M: 30 M INHIBITOR WATER, 40 M DRILLING MUD
100 M MUD CUT SALT WATERMULTIPLE
RECOVERY

V N

X

SAMPLING POINT

90 M ABOVE SIT

AMT & TYPE OF CUSHION

MUD RESISTIVITY

@ 25°C

Test Interval (metres)

1319 - 1348

Perforations (metres)

TYPE OF PRODUCTION

PUMPING

FLOWING

GAS LIFT

SWAB

PRODUCTION RATES

WATER

m³/d

OIL

m³/d

GAS

10³ m³/d

GAUGE PRESSURE

kPa

SEPARATOR

TREATER

RESERVOIR

SOURCE

SEPARATOR

TREATER

RESERVOIR

SOURCE

TEMPERATURE

°C

DATE SAMPLED (Y-M-D)

80/03/09

DATE RECEIVED (Y-M-D)

80/03/14

DATE REPORTED (Y-M-D)

80/03/28

ANALYST

A.L.

OTHER INFORMATION

ION	$\frac{m \cdot V}{g \cdot m^3}$	Mass Fraction	$\frac{c}{mol \cdot m^3}$	ION	$\frac{m \cdot V}{g \cdot m^3}$	Mass Fraction	$\frac{c}{mol \cdot m^3}$
Na	1 641	0.0516	71.37	Cl	13 600	0.4276	383.52
K	12 390	0.3896	317.18	Br			
Ca	1 074	0.0338	26.80	I			
Mg	23	0.0007	0.95	HCO ₃	793	0.0249	13.01
Ba				SO ₄	2 284	0.0718	23.76
Sr				CO ₃	0	0.0000	0.00
Fe	NIL			OH	0	0.0000	0.00
				H ₂ S	NIL		

TOTAL SOLIDS $\frac{m \cdot V}{g \cdot m^3}$

EVAPORATED @ 110°C

33 690

EVAPORATED @ 190°C

AT IGNITION

30 650

CALCULATED

31 805

ORGANICS: MUCH

RELATIVE DENSITY

1.022 @ 25°C

REFRACTIVE INDEX

1.3377 @ 25°C

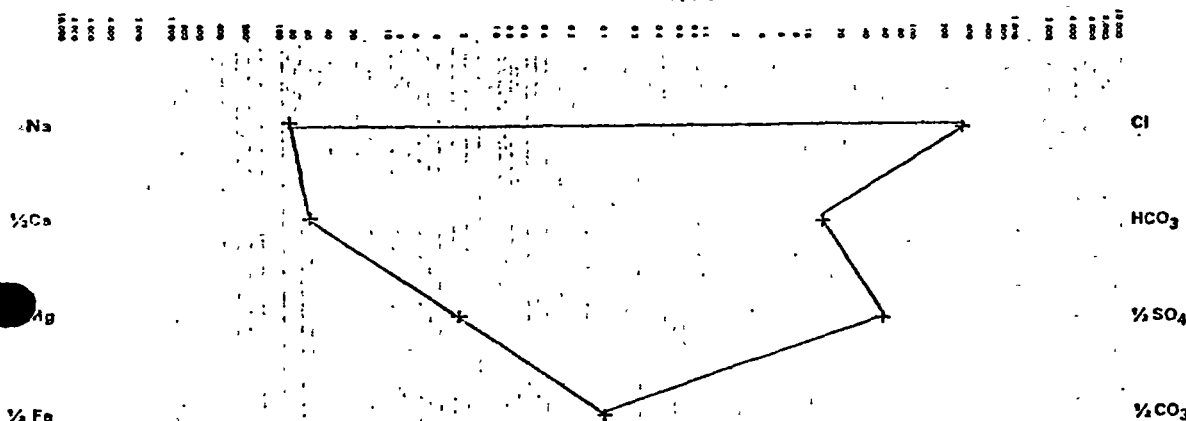
OBSERVED pH

7.5 @ 21°C

RESISTIVITY (Ω·m)

0.243 @ 25°C

REMARKS

LOGARITHMIC PATTERN $c/mol \cdot m^3$ 

The analysis was determined on water extracted from mud and is characteristic of a KCl mud filtrate water.

continued....

PARAMOUNT RESOURCES LTD

LABORATORY REPORT NUMBER: E80-1997

E80-1997-1:

Sample taken from Top of Fluid

RESISTIVITY OF THE FILTRATE: 0.712 OHM/ Meters @ 25°C

Mud Sample.

E80-1997-3:

Sample taken from 0.305 M

RESISTIVITY: 14.02 OHM/Meters @ 25°C

Murky fresh water.

DAILY DRILLING REPORTS

Paramount Resources Ltd.

Information For Daily Report

DAY 34

Well Name: PARAMOUNT HB et al CAMERON J-62 KB 755

Date: March 12, 1980 Time received: 8 AM

Depth: 1605 M; Status: SHUT IN GAS WELL

Spud in: March 11/80 hours; Rig release: at 1400 hours

Mud: Wt. ; Vis. ; W.L. ; F.C. ; pH

Deviation: deg. at M; deg. at M; deg. at M

Casing: Size ; Wt. ; Grade ; No. Jts. ;

Total ; Landed at M; Cement

Plus ; Plug down hours

Logs: Type ; Interval ; Scale

Remarks: Tear out rig and WOC 6 hours.

Moving to B-13

Paramount Resources Ltd.

Information For Daily Report

DAY 33

Well Name: PARAMOUNT HB et al CAMERON J-62

Date: March 11, 1980 Time received: 8 AM

Depth: 1605 M; Status: WAITING ON CEMENT

Spud in: _____ hours; Rig release: _____ hours

Mud: Wt. _____; Vis. _____; W.L. _____; F.C. _____; pH _____

Deviation: _____ deg. at _____ M; _____ deg. at _____ M; _____ deg. at _____ M

Casing: Size 140mm; Wt. 23.1kg/m; Grade J-55; No. Jts. 134; 39.6 tonnes

Total 1608.62; Landed at 1605 M; Cement 1:1:2

March 11/80

Plus 4% KCl; Plug down at 7:30 hours
no returns

Logs: Type _____; Interval _____; Scale _____

Remarks: Thaw out stand-pipe 1/2, trip 1, clean to bottom 1 1/4,

circulate 2 3/4, lay down drill pipe and collars 5,

rig to case and case 8, lay down bad joint 1/2, circulate

casing, condition mud 2 3/4, cement 2 1/4, float did not

hold on casing. Casing pressure to 4000 kPa and would not

pressure any more - float would not hold.

Paramount Resources Ltd.

Information For Daily Report DAY 32

Well Name: PARAMOUNT HB et al CAMERON J-62 KB 755

Date: March 10, 1980 Time received: 8 AM

Depth: 1605 M; Status: THAWING STAND-PIPE

Spud in: _____ hours; Rig release: _____ hours

Mud: Wt. _____; Vis. _____; W.L. _____; F.C. _____; pH _____

Deviation: _____ deg. at _____ M; _____ deg. at _____ M; _____ deg. at _____ M

Casing: Size _____; Wt. _____; Grade _____; No. Jts. _____;

Total _____; Landed at _____ M; Cement _____

Plus _____; Plug down _____ hours

Logs: Type _____; Interval _____; Scale _____

_____;

Remarks: DST #4 - 812-835 TWIN FALLS

Misrun, no packer seat.

DST #3 - 1319-1348 SLAVE POINT

HP 14030/13915

FP 1583/1876 P/F 1465

SIP 8218/9246.

Recovered 30 m inhibited water, 40 m drilling mud,

100 m mud cut salt water (28,600 ppm)

Preparing to run casing.

Time breakdown: Test 3, thaw stand-pipe 3, handle tool 6, trip 12 hrs.

Paramount Resources Ltd.

Information For Daily Report

DAY 31

Well Name: PARAMOUNT HB et al CAMERON J-62 KB 755

Date: March 9, 1980 Time received: 8 AM

Depth: 1605 M; Status: TESTING - DIS #3

Spud in: _____ hours; Rig release: _____ hours

Mud: Wt. _____; Vis. _____; W.L. _____; F.C. _____; pH _____

Deviation: _____ deg. at _____ M; _____ deg. at _____ M; _____ deg. at _____ M

Casing: Size _____; Wt. _____; Grade _____; No. Jts. _____;

Total _____; Landed at _____ M; Cement _____

Plus _____; Plug down _____ hours

Logs: Type _____; Interval _____; Scale _____

_____;

Remarks: DST #2 Sulphur Point - Recovered 12 m ammonia water

28 m sulf. salt water 26,800 ppm

HP 14659/14488

FP 3341/4033 P/F 1993

SI 9531/9531

DST #3 SLAVE POINT 1319-1348 10/60/60/120

Weak air blow on preflow increasing to good on pre-flow.

On Valve Open - weak air blow increasing to strong,

decreasing to dead after 40 minutes.

Time breakdown: Testing 6½, handle tools 5 3/4, rig repair 3/4,

trip 4½, wait on safety hand 6, safety meeting 1.

Paramount Resources Ltd.

Information For Daily Report DAY 30

Well Name: PARAMOUNT HB et al CAMERON J-62 KB 755

Date: March 8, 1980 Time received: 8 AM

Depth: 1605 M; Status: TESTING

Spud in: _____ hours; Rig release: _____ hours

Mud: Wt. _____; Vis. _____; W.L. _____; F.C. _____; pH _____

Deviation: _____ deg. at _____ M; _____ deg. at _____ M; _____ deg. at _____ M

Casing: Size _____; Wt. _____; Grade _____; No. Jts. _____;

Total _____; Landed at _____ M; Cement _____

Plus _____; Plug down _____ hours

Logs: Type _____; Interval _____; Scale _____

Remarks: DST #2 - 1383-1395 SULPHUR POINT 10/60/300/600

Gas to surface 2½ minutes. Fluid after 2 minutes

on Valve Open. Fine mist after 4 hours. PPM 25,000.

1/2-inch orifice test after 275 minutes 64,853 cu. m./day (2.289 MMcf/d)

H₂S 400 ppm on sniffer.

Trip 5 hrs., recover charts and tool 3½, test 14, rig repairs 1½.

DST #1 - KEG RIVER 1515-1529 10/30/60/120

HP 16148/15714

SIP 10330/10330

FP 5642/10330

Recovery 1090 m total fluid (50 m mud, 115 m sulf. water,

925 gas cut sulf. water 30,400 ppm (very little gas)

mud 12,000 ppm)

Paramount Resources Ltd.

Information For Daily Report

DAY 29

Well Name: PARA HB et al CAMERON J-62 KB 755

Date: March 7, 1980 Time received: 8 AM

Depth: 1605 T.D. M; Status: HOISTING DST #1

Spud in: _____ hours; Rig release: _____ hours

Mud: Wt. _____; Vis. _____; W.L. _____; F.C. _____; pH _____

Deviation: _____ deg. at _____ M; _____ deg. at _____ M; _____ deg. at _____ M

Casing: Size _____; Wt. _____; Grade _____; No. Jts. _____;

Total _____; Landed at _____ M; Cement _____

Plus _____; Plug down _____ hours

Logs: Type _____; Interval _____; Scale _____

_____;

Remarks: DST #1 515-529 Keg River 10/30/60/120

Recovered 7 m mud, 225 m salt water

Logging 3½, wait on orders 5½, lay down jars 1/2, make up

tool 2½, run in with tool 3, test 4.5, hoist test 3½,

reverse circulate 1½.

Costs: Mud \$200, logging \$2,209

Paramount Resources Ltd.

Information For Daily Report

DAY 28

Well Name: PARA HB et al CAMERON J-62 KB 755

Date: March 6, 1980 Time received: 8 AM

Depth: Corrected
1605 T.D. M; Status: LOGGING

Spud in: _____ hours; Rig release: _____ hours

Mud: Wt. 1090 ; Vis. 52 ; W.L. 10.2 ; F.C. 1.6 ; pH 10

Deviation: _____ deg.at _____ M; _____ deg.at _____ M; _____ deg.at _____ M

Casing: Size _____ ; Wt. _____ ; Grade _____ ; No. Jts. _____ ;

Total _____ ; Landed at _____ M; Cement _____

Plus _____ ; Plug down _____ hours

Logs: Type DILL ; Interval 525-1605 ; Scale 1:240 & 1:600

CNLD ; 525-1605 ; 1:240 & 1:600

Remarks: Drill 7 3/4, rig service 1/4, circulate sample 1, trip 6,

circulate 1 1/2, rig up 2, log 7 1/2,

Bit #5 J-44 166m 92 1/2 hrs. 6:6:1 out at 1605

Information For Daily Report

DAY 27

Well Name: PARA HB et al CAMERON J-62 KB 755

Date: March 5, 1980 Time received: 8 AM

Depth: 1607 M; Status: Progress 33 m DRILLING

Spud in: hours; Rig release: hours

Mud: Wt. 1080 ; Vis. 40 ; W.L. 9 ; F.C. 1.6 ; pH 11

Deviation: deg.at M; deg.at M; deg.at M

Casing: Size _____; Wt. _____; Grade _____; No. Jts. _____;

Total ; Landed at M; Cement

Plus _____ ; Plug down _____ hours

Logs: Type _____; Interval _____; Scale _____

Remarks: Drill 22 3/4, rig service 1/2, clean screen on pump 1/4,
dump and clean tank 1/2

Bit J44 89.5 160 m running

Paramount Resources Ltd.

Information For Daily Report

DAY 26

Well Name: PARA HB et al CAMERON J-62 KB 755

Date: March 4, 1980 Time received: 8 AM

Depth: 1574 M; Status: Progress 49 DRILLING

Spud in: _____ hours; Rig release: _____ hours

Mud: Wt. 1090 ; Vis. 40 ; W.L. 9.5 ; F.C. 1.6 ; pH 11

Deviation: 2 1/4 deg.at 1542 M; _____ deg.at _____ M; _____ deg.at _____ M

Casing: Size _____ ; Wt. _____ ; Grade _____ ; No. Jts. _____ ;

Total _____ ; Landed at _____ M; Cement _____

Plus _____ ; Plug down _____ hours

Logs: Type _____ ; Interval _____ ; Scale _____

_____ ; _____ ; _____

Remarks: Bit J44 66 3/4 hrs., 127 m drilling

Drilling 22 1/2, rig service 3/4, survey 1/4, check circulation 1/2

1520-1545 Vuggy dolomite, no shows, fair porosity,

1545 Dolomite, more dense, some shale, some streaks

anhydrite.

Paramount Resources Ltd.

Information For Daily Report

DAY 25

Well Name: PARA HB et al CAMERON J-62 KB 755

Date: March 3, 1980 Time received: 8 AM

Depth: 1525 M; Status: Progress 40 DRILLING

Spud in: _____ hours; Rig release: _____ hours

Mud: Wt. 1090; Vis. 43; W.L. 13; F.C. 2.0; pH 8

Deviation: _____ deg. at _____ M; _____ deg. at _____ M; _____ deg. at _____ M

Casing: Size _____; Wt. _____; Grade _____; No. Jts. _____;

Total _____; Landed at _____ M; Cement _____

Plus _____; Plug down _____ hours

Logs: Type _____; Interval _____; Scale _____

_____;

Remarks: Drilling 23 1/4, rig service 3/4.

J-54 78 m 44 1/2 hrs. running

Probable KEG RIVER 1520

Paramount Resources Ltd.

Information For Daily Report

DAY 24

Well Name: PARA HB et al CAMERON J-62 KB 755

Date: March 2, 1980 Time received: 8 AM

Depth: 1485 M; Status: Progress 38 m DRILLING

Spud in: _____ hours; Rig release: _____ hours

Mud: Wt. 1120; Vis. 45; W.L. 16; F.C. 16mm; pH 8.5

Deviation: _____ deg. at _____ M; _____ deg. at _____ M; _____ deg. at _____ M

Casing: Size _____; Wt. _____; Grade _____; No. Jts. _____;

Total _____; Landed at _____ M; Cement _____

Plus _____; Plug down _____ hours

Logs: Type _____; Interval _____; Scale _____

_____;

Remarks: Rig service 1/2, finish trip 1/4, ream 5 singles to bottom 2,

clean pump screen and work on pump motor 1/2, drilling 20 3/4.

-33° C Clear

Paramount Resources Ltd.

Information For Daily Report

DAY 23

Well Name: PARA HB et al CAMERON J-62 KB 755

Date: March 1, 1980 Time received: 8 AM

Depth: 1447 M; Status: Progress 9 RUNNING IN HOLE

Spud in: _____ hours; Rig release: _____ hours

Mud: Wt. 1140 ; Vis. 65 ; W.L. 16 ; F.C. _____ ; pH 9

Deviation: _____ deg.at _____ M; _____ deg.at _____ M; _____ deg.at _____ M

Casing: Size _____ ; Wt. _____ ; Grade _____ ; No. Jts. _____ ;

Total _____ ; Landed at _____ M; Cement _____

Plus _____ ; Plug down _____ hours

Logs: Type _____ ; Interval _____ ; Scale _____

_____ ; _____ ; _____

Remarks: Tight hole at Muskeg level and at Sulphur Point

Drilling in mostly anhydrite

Rig service 1/2, drilling 4 1/2, survey 1/4, work on air systems 2 1/2

work tight hole 1 1/2, circulate and condition mud 4, pump out

5 singles and trip 9 1/2, set up brakes on draw works 1 1/2

Paramount Resources Ltd.

Information For Daily Report

Day 22

Well Name: PARAMOUNT HB et al CAMERON J-62 KB 755

Date: February 29, 1980 Time received: 8 AM

Depth: 1438 M; Status: Progress 69 DRILLING

Spud in: _____ hours; Rig release: _____ hours

Mud: Wt. 1140 ; Vis. 35 ; W.L. 19 ; F.C. _____ ; pH 9

Deviation: _____ deg. at _____ M; _____ deg. at _____ M; _____ deg. at _____ M

Casing: Size _____ ; Wt. _____ ; Grade _____ ; No. Jts. _____ ;

Total _____ ; Landed at _____ M; Cement _____

Plus _____ ; Plug down _____ hours

Logs: Type _____ ; Interval _____ ; Scale _____

_____ ; _____ ; _____

Remarks: Rig service 3/4, drilling 23 1/4 hours.

WATT MOUNTAIN 1375

BISTCHO 1385 ?

SULPHUR POINT 1400

MUSKEG 1415

Slave Point - Limestone, fragmental or pelletoidal, some vuggy

porosity, light oil stain.

Sulphur Point - Dolomite, poor to fair intercrystalline porosity.

good light oil stain.

Paramount Resources Ltd.

Information For Daily Report

Day 21

Well Name: PARAMOUNT HB et al CAMERON J-62 KB 755

Date: February 28, 1980 Time received: 8 AM

Depth: 1369 M; Status: Progress 78 m DRILLING

Spud in: _____ hours; Rig release: _____ hours

Mud: Wt. _____; Vis. _____; W.L. _____; F.C. _____; pH _____

Deviation: _____ deg. at _____ M; _____ deg. at _____ M; _____ deg. at _____ M

Casing: Size _____; Wt. _____; Grade _____; No. Jts. _____;

Total _____; Landed at _____ M; Cement _____

Plus _____; Plug down _____ hours

Logs: Type _____; Interval _____; Scale _____

_____;

Remarks: -13° C, clear

Rig service 3/4, survey 1/4, blow out drill 1/2, drilling 22½ hrs.

FORMATION TOPS

MUSKWA 1305 (-550)

SLAVE POINT 1330 (-575)

Paramount Resources Ltd.

Information For Daily Report

DAY 20

Well Name: PARAMOUNT HB et al CAMERON J-62

Date: February 27, 1980 Time received: 8 AM

Depth: 1291 M; Status: Progress 43 DRILLING

Spud in: _____ hours; Rig release: _____ hours

Mud: Wt. 1100; Vis. 35; W.L. _____; F.C. _____; pH _____

Deviation: _____ deg.at _____ M; _____ deg.at _____ M; _____ deg.at _____ M

Casing: Size _____; Wt. _____; Grade _____; No. Jts. _____;

Total _____; Landed at _____ M; Cement _____

Plus _____; Plug down _____ hours

Logs: Type _____; Interval _____; Scale _____

_____;

Remarks: Rig service 1/4, drilling 10 3/4, trip to casing 2 1/4, repair

pump clutch 10 1/4, rig circulation and clean to bottom 1/2,

-8°C cloudy

Information For Daily Report
DAY 19

Well Name: PARAMOUNT HB et al CAMERON J-62

Date: February 26, 1980 Time received: 8 AM

Depth: 1248 M; Status: Progress 77 % DRILLING

Spud in: hours; Rig release: hours

Mud: Wt. 1100 ; Vis. 35 ; W.L. ; F.C. ; pH

Deviation: 1 deg.at 1180 M; deg.at M; deg.at M

Casing: Size ; Wt. ; Grade ; No. Jts. ;

Total _____; Landed at _____ M; Cement _____

Plus _____; Plug down _____ hours

Logs: Type _____ ; Interval _____ ; Scale _____

Remarks: Rig service 3/4, lay down drill collars 1/2, drill 22½,
survey 1/4

Still drilling in grey shale, slightly calcareous.

Paramount Resources Ltd.

Information For Daily Report

DAY 18

Well Name: PARAMOUNT HB et al CAMERON J-62

Date: February 25, 1980 Time received: 8 AM

Depth: 1171 M; Status: Progress 46 m DRILLING

Spud in: _____ hours; Rig release: _____ hours

Mud: Wt. 1100; Vis. 36; W.L. _____; F.C. _____; pH _____

Deviation: 1 3/4 deg. at 1133 M; 1 1/4 deg. at 1142 M; _____ deg. at _____ M

Casing: Size _____; Wt. _____; Grade _____; No. Jts. _____;

Total _____; Landed at _____ M; Cement _____

Plus _____; Plug down _____ hours

Logs: Type _____; Interval _____; Scale _____

_____;

Remarks: Rig service 3/4, surveys 3/4, drilling 18 3/4, trip 3,

change bits 1/2, break circulation 1/4.

Drilling in grey shale

Medic Unit is on site.

Paramount Resources Ltd.

Information For Daily Report

DAY 17

Well Name: PARAMOUNT HB et al CAMERON J-62

Date: February 24, 1980 Time received: 8 AM

Depth: 1125 M; Status: Progress 33 m DRILLING

Spud in: _____ hours; Rig release: _____ hours

Mud: Wt. 1110; Vis. 34; W.L. _____; F.C. _____; pH _____

Deviation: 2 deg.at 1101 M; 2 deg.at 1103 M; _____ deg.at _____ M

Casing: Size _____; Wt. _____; Grade _____; No. Jts. _____;

Total _____; Landed at _____ M; Cement _____

Plus _____; Plug down _____ hours

Logs: Type _____; Interval _____; Scale _____

_____;

Remarks: Rig service 1/2, drill 14 3/4, survey 1, trip 6 1/2, washed out

drill collars 5, rig circulation and clean to bottom 1/4, cut

and slip line 1.

Drilling in grey shale.

Information For Daily Report

DAY 16

Well Name: PARAMOUNT HB et al CAMERON J-62

Date: February 23, 1980 Time received: 8 AM

Depth: 1092 M; Status: Progress 93 m DRILLING

Spud in: _____ hours; Rig release: _____ hours

Mud: Wt. 1110 ; Vis. 35 ; W.L. ; F.C. ; pH /

Deviation: deg.at M; deg.at M; deg.at M

Casing: Size _____; Wt. _____; Grade _____; No. Jts. _____;

Total _____; Landed at _____ M; Cement _____

Plus		; Plug down	hours
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Logs: Type _____; Interval _____; Scale _____

Remarks: Rig service 3/4, change packing on pump 1/4, drill 23

Grey-green shale, few limestone stringers.

Paramount Resources Ltd.

Information For Daily Report

DAY 15

Well Name: PARAMOUNT HB et al CAMERON J-62

Date: February 22, 1980 Time received: 8 AM

Depth: 999 M; Status: Progress 97 m DRILLING

Spud in: _____ hours; Rig release: _____ hours

Mud: Wt. 1030; Vis. _____; W.L. _____; F.C. _____; pH _____

Deviation: 1/4 deg. at 940 M; _____ deg. at _____ M; _____ deg. at _____ M

Casing: Size _____; Wt. _____; Grade _____; No. Jts. _____;

Total _____; Landed at _____ M; Cement _____

Plus _____; Plug down _____ hours

Logs: Type _____; Interval _____; Scale _____

_____;

Remarks: Rig service 3/4, survey 1/4, drill 23 hours.

Top of Hay River Shale 935 m

No good definition of tops in interbedded shales and

limestones above that point. Picks will have to be made

later from logs.

Paramount Resources Ltd.

Information For Daily Report

DAY 14

Well Name: PARAMOUNT HB et al CAMERON J-62

Date: February 21, 1980 Time received: 8 AM

Depth: 902 M; Status: Progress 30 m DRILLING IN LIMESTONE

Spud in: _____ hours; Rig release: _____ hours

Mud: Wt. 1190 ; Vis. 48 ; W.L. _____ ; F.C. _____ ; pH _____

Deviation: _____ deg.at _____ M; _____ deg.at _____ M; _____ deg.at _____ M

Casing: Size _____ ; Wt. _____ ; Grade _____ ; No. Jts. _____ ;

Total _____ ; Landed at _____ M; Cement _____

Plus _____ ; Plug down _____ hours

Logs: Type _____ ; Interval _____ ; Scale _____

_____ ; _____ ; _____

Remarks: Rig service 1/2, drilling 9, wait on pump 5 1/4, clean suction

tank 1/2, tripping 6 1/4, work on draw works 1/2, thaw out kelly

hose, circulate and clean to bottom 3/4, break circulation

10 stands off bottom 1/4 hr.

Paramount Resources Ltd.

Information For Daily Report

DAY 13

Well Name: PARAMOUNT HB et al CAMERON J-62

Date: February 20, 1980 Time received: 8 AM

Depth: 872 M; Status: Progress 114 DRILLING

Spud in: _____ hours; Rig release: _____ hours

Mud: Wt. _____; Vis. 40; W.L. _____; F.C. _____; pH _____

Deviation: 1/4 deg. at 786 M; _____ deg. at _____ M; _____ deg. at _____ M

Casing: Size _____; Wt. _____; Grade _____; No. Jts. _____;

Total _____; Landed at _____ M; Cement _____

Plus _____; Plug down _____ hours

Logs: Type _____; Interval _____; Scale _____

Remarks: Rig service 3/4, survey 1/4, clean the suction screen on pump 1/4,

drill 22 3/4.

5 m/hr.

Bit - 347 m 58 hrs. 5.9 m/hr.

Interbedded shales and limestones

Information For Daily Report

DAY 12

Well Name: PARAMOUNT HB et al CAMERON J-62

Date: February 19, 1980 Time received: 8 AM

Depth: 758 M; Status: Progress 130 m DRILLING

Spud in: _____ hours; Rig release: _____ hours

Mud: Wt. _____; Vis. 43 ; W.L. _____; F.C. _____; pH _____

Deviation: 1/2 deg.at 663 M; deg.at M; deg.at M

Casing: Size _____; Wt. _____; Grade _____; No. Jts. _____;

Total _____; Landed at _____ M; Cement

Plus		; Plug down	hours
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Logs: Type_____ ; Interval_____ ; Scale_____

_____;

Remarks: Drilling 20, trip 1½, rig service ¾, survey ¼, clean to

bottom 1/4, change over to mud system at 740 m.

Information For Daily Report

DAY 11

Well Name: PARAMOUNT HB et al CAMERON J-62

Date: February 18, 1980 Time received: 8 AM

Depth: 628 M; Status: Progress 48 m DRILLING

Spud in: _____ hours; Rig release: _____ hours

Mud: Wt. H_2O _____; Vis. _____; W.L. _____; F.C. _____; pH _____

Deviation: deg.at M; deg.at M; deg.at M

Casing: Size _____; Wt. _____; Grade _____; No. Jts. _____;

Total _____; Landed at _____ M; Cement _____

Plus _____; Plug down _____ hours

Logs: Type _____; Interval _____; Scale _____

_____;

Remarks: Rig up flow line 4½, pick up collars 3½, work on pump 2,

thaw mud line 1, fill hole 1, lay down drill pipe 1½, clean to

bottom 1, drill 9½, rig service 1/4,

Bit No. 1 F2 104 m 15½ running

Paramount Resources Ltd.

Information For Daily Report

DAY 10

Well Name: PARAMOUNT HB et al CAMERON J-62

Date: February 17, 1980 Time received: 8 AM

Depth: 580 M; Status: Progress 55 m RIGGING UP FLOW LINE

Spud in: _____ hours; Rig release: _____ hours

Mud: Wt. _____; Vis. _____; W.L. _____; F.C. _____; pH _____

Deviation: _____ deg. at _____ M; _____ deg. at _____ M; _____ deg. at _____ M

Casing: Size _____; Wt. _____; Grade _____; No. Jts. _____;

Total _____; Landed at _____ M; Cement _____

Plus _____; Plug down _____ hours

Logs: Type _____; Interval _____; Scale _____

_____;

Remarks: Rig service 1/2, drill out 2 3/4, drill 5 3/4, leak-off test 1/4

trip 3, dry hole with air 8 3/4, unload mud 3/4, tear out head

and blouie line 2 1/4.

Paramount Resources Ltd.

Information For Daily Report

DAY 9

Well Name: PARAMOUNT HB et al CAMERON J-62

Date: February 16, 1980 Time received: 8 AM

Depth: 525 m ~~feet~~; Status: Drilling out cement

Spud in: _____ o'clock; Rig release: _____ o'clock

Mud: Wt. _____; Vis. _____; W.L. _____; F.C. _____; pH _____

Deviation: _____ deg.at _____ ft.; _____ deg.at _____ ft.; _____ deg.at _____ ft.

Casing: Size _____; Wt. _____; Grade _____; No. Jts. _____;

Total _____; Landed at _____ feet; Cement _____ sacks

Plus _____; Plug Down _____ o'clock

Logs: Type _____; Interval _____; Scale _____

_____;

Cores: No. _____; Interval from _____ to _____

D. S. T. No. _____ Interval from _____ to _____; Formation _____

Preflow _____ min.; ISI _____ min.; IF _____ min.; FSI _____ min.

Pressures: IHP _____ psi.; ISIP _____ psi.; IFP _____ psi.

FHP _____ psi.; FSIP _____ psi.; FFP _____ psi.

Recovery: Gas to surface _____ minutes at _____ Max. Flow Rate

Oil _____ feet; Mud _____ feet; Water _____ feet;

Gas cut mud _____ feet; Oil cut mud _____ feet;

Gas and oil cut mud _____ feet.

Remarks: Tripping 4½, rig service 1/4, levelling base 2½, installing

Weather, roads, etc. rotating rubber 1/2, nipple up 7, pressure test 5, thaw

kelly 1½, pick up drill pipe 3/4, lay down collars 1

Remarks: pick up shock sub and jars 1½ hrs.

Remarks: WOC 9, cut casing and weld on bowl 6½, head up 8½

Paramount Resources Ltd.

Information For Daily Report

DAY 7

Well Name: PARAMOUNT HB et al CAMERON J-62

Date: February 14, 1980 Time received: 8 AM

Depth: 524 M; Status: WOC

Spud in: _____ hours; Rig release: _____ hours

Mud: Wt. _____; Vis. _____; W.L. _____; F.C. _____; pH _____

Deviation: _____ deg. at _____ M; _____ deg. at _____ M; _____ deg. at _____ M

Casing: Size 244; Wt. 48.1; Grade J-55; No. Jts. 44;

Total 525.46; Landed at 524.97 M; Cement 10.60 tonnes

Feb. 13/80

Plus 3% CaCl₂; Plug down at 1530 hours

no returns

Logs: Type _____; Interval _____; Scale _____

_____;

Remarks: Cemented annulus with 60 sacks Oilwell + 3% CaCl₂. Returns this A.M.

Running casing 1 1/4, WOC 6 3/4, wait on wireline 7 3/4, Temperature

Log 4.

Information For Daily Report

DAY 6

Well Name: PARAMOUNT HB et al CAMERON J-62

Date: February 13, 1980 Time received: 8 AM

Depth: 524 M; Status: Progress 39 m RUNNING CASING

Spud in: _____ hours; Rig release: _____ hours

Mud: Wt. 1100 ; Vis. 100 ; W.L. ; F.C. ; pH

Deviation: 1/2 deg.at 524 M; deg.at M; deg.at M

Casing: Size _____; Wt. _____; Grade _____; No. Jts. _____;

Total ; Landed at N; Cement

Plus _____ ; Plug down _____ hours

Logs: Type _____ ; Interval _____ ; Scale _____

Remarks: Drilling 4 3/4, tripping 6, circulate 1 3/4, mix mud 2,

circulate samples 2, run casing 7.

Bit #3 OSC3 187 m 20 hrs. 5:1:in

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Information For Daily Report DAY 5

Well Name: PARAMOUNT HB et al CAMERON J-62

Date: February 12, 1980 Time received: 8 AM

Depth: 485 M; Status: Progress 149 DRILLING

Spud in: _____ hours; Rig release: _____ hours

Mud: Wt. 1100; Vis. 60; W.L. _____; F.C. _____; pH _____

Deviation: _____ deg. at _____ M; _____ deg. at _____ M; _____ deg. at _____ M

Casing: Size _____; Wt. _____; Grade _____; No. Jts. _____;

Total _____; Landed at _____ M; Cement _____

Plus _____; Plug down _____ hours

Logs: Type _____; Interval _____; Scale _____

_____;

Remarks: Rig service 1/2, drill 15½, survey 1½, weld on conductor 2,

clean to bottom 1/2, trip 4 1/4,

Bit #3 OSC3 149 m 15½ hrs. running

Information For Daily Report

Day 4

Well Name: PARAMOUNT HB et al CAMERON J-62

Date: February 11, 1980 Time received: 8 AM

Depth: 336 M; Status: Progress 130 m RIG UP FLOW LINE

Spud in: _____ hours; Rig release: _____ hours

Mud: Wt. 1100 ; Vis. 70 ; W.L. ; F.C. ; pH

Deviation: 1/4 deg.at 285 M; 1/2 deg.at 323 M; deg.at M

Casing: Size _____; Wt. _____; Grade _____; No. Jts. _____;

Total _____; Landed at _____ M; Cement _____

Plus ; Plug down hours

Logs: Type _____; Interval _____; Scale _____

_____;

Remarks: Drill 11½, trip 3¼, rig service 1/2, surveys 3/4, tear out

air head $2\frac{1}{2}$, change air rubbers $2\frac{1}{2}$, wait on conductor pipe 3,

Bit #2 XDV 200 27 hrs. 6-1-1

Information For Daily Report

DAY 3

Well Name: PARAMOUNT HB .et al CAMERON J-62

Date: February 10, 1980 Time received: 8 AM

Depth: 206 M; Status: Progress 91 n DRILLING

Spud in: _____ hours; Rig release: _____ hours

Mud: Wt. ; Vis. ; W.L. ; F.C. ; pH

Deviation: 1/4 deg.at 135 M; 1/4 deg.at 191 M; 1/4 deg.at 219 M

Casing: Size _____; Wt. _____; Grade _____; No. Jts. _____;

Total _____; Landed at _____ M; Cement _____

Plus		; Plug down	hours
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Logs: Type ; Interval ; Scale

Remarks: Work on pump 4, rig up mud line 1 3/4, drill 15 3/4,

survey 1 1/4, work on rig compressor 3/4, rig service 1/2

Bit #2 XCZ 150 m 15½ hrs. running

Information For Daily Report
DAY 2

Well Name: PARAMOUNT HB et al CAMERON J-62

Date: February 9, 1980 Time received: 8 AM

Depth: 115 M; Status: Progress 18 m WORK ON PUMP

Spud in: _____ hours; Rig release: _____ hours

Mud: Wt. 1100 ; Vis. 75 ; W.L. ; F.C. ; pH

Deviation: deg.at M; deg.at M; deg.at M

Casing: Size _____; Wt. _____; Grade _____; No. Jts. _____;

Total _____; Landed at _____ M; Cement _____

Plus _____ ; Plug down _____ hours

Logs: Type _____; Interval _____; Scale _____

Remarks: Rig service 1/4, drilling 4, displace to mud 2 1/2, change

rubbers 3/4, condition mud 2 1/2, trip 2 1/2, work on pump 11 3/4

Bit #1 XCZ 106 m 50 $\frac{1}{4}$ hrs. 4-1-in

Information For Daily Report

DAY 1

Well Name: PARAMOUNT HB et al CAMERON J-62

Date: February 8, 1980 Time received: 8 AM

Depth: 97 M; Status: Progress 97 DRILLING

Spud in: Feb. 7/80 @ 1700 hours; Rig release: _____ hours

Mud: Wt. _____; Vis. _____; W.L. _____; F.C. _____; pH _____

Deviation: 1/4 deg. at 32 M; 1/4 deg. at 60 M; 1/4 deg. at 97 M

Casing: Size _____; Wt. _____; Grade _____; No. Jts. _____;

Total _____; Landed at _____ M; Cement _____

Plus _____; Plug down _____ hours

Logs: Type _____; Interval _____; Scale _____

_____;

_____;

_____;

Remarks: Wait on head 4, rig up head 4, rig up blowey line 1, drill 12 3/4

tighten bushings 3/4, tighten air head equipment 1 1/4, surveys 3/4,

rig service 1/4,

Information For Daily Report

Remarks: Rig up 9½, work on rotating head 13½, weld on conductor 1.