

GEOLOGICAL PROGNOSIS

"TIGHT HOLE"

WELL NAME: Pacific et al Rolard Bay YT L-41

LOCATION: Latitude: 69⁰ 20' 30.693" north,
Longitude: 138⁰ 56' 55.092" west.

ELEVATIONS: Ground: 73.5(est.) Kelly Bushing: 94.5 (est.)

<u>Geological Markers</u>	<u>Subsea</u>	<u>Depth</u>
Cretaceous		surface
Jurassic	- 936'	1,000'
Basal Jurassic Sand	-2536'	2,600'
Carboniferous(?)	-2736'	2,800'
Total Depth	-9961'	10,025'

PROGRAM:

1. On completion of drilling the 12 1/4" pilot hole to 2000', "First Run" logs will be run. (See below for Coring Program).
2. Drill-stem testing will be considered at this time based on log and sample evaluations.
3. A 12 1/4" hole will be drilled from 2000' to approximately 7000' after which the "Second Run" logs will be run.
4. Drill-stem testing will be considered at this time based on the evaluation of the logs and samples.
5. A 8 1/2" hole will be drilled from 7000' to total depth (10,025'). At this point the "Third Run" logs will be run.
6. Drill-stem testing will depend on the evaluation of the logs and samples.
7. Coring Program: Nine 60 foot cores are to be taken at the following depths: 2200', 3200', 4200', 5200', 6200', 7200', 8200', 9200', 9900'.

Inasmuch as the age of the Geological Section to be penetrated is unknown, the above coring is required in order that age determination may be made by fossil identification. Each core is to be sent into the Calgary office as soon as possible after it has been cut.

NOTE: It is most important that any oil and/or gas shows, and significant porosity encountered during the drilling be reported to Calgary immediately (includes oil and gas shows both in the mud and in the samples).

SAMPLES:

Pacific - 2 sets of bagged samples - 10' intervals,
surface to total depth.
- 1 bottled set, 10' intervals, surface to
total depth
Phillips - to be determined.
Canadian Homestead - to be determined
Castle Oil & Gas - to be determined
Imperial Oil - to be determined
Federal Government - 1 bagged set, 10' intervals, surface
to total depth.

NOTE: One set of Pacific's bagged samples and a set of
washed bottled samples are to be sent to Calgary
weekly. Partners may require the above, this will
be cleared later.

ANALYSES:

Oil, gas and water recovered from all drill-stem tests
(three samples - top, middle and bottom of recoveries).
These are to be sent into the Calgary office for analysis
as soon as possible after the test has been run.

LOGS: (Schlumberger)

"FIRST RUN" LOGS

Dual Induction - Laterolog

2" - 100', 2000' to 500'
(0-50 ohm m²/m - linear scale)
5" - 100', 2000' to 500'
(logarithmic scale)

Source Log Compensated Gamma Ray Caliper (40-90-140 scale)

2" - 100', 2000' to 500'
5" - 100', 2000' to 500'

Formation Density Compensated

2" - 100', 2000' to 500'
5" - 100', 2000' to 500'

(Include 0-15% sandstone porosity trace with $\rho_G = 2.65$ gm/cc
on density scale).

"SECOND RUN" LOGS

Dual Induction - Laterolog

2" - 100', 2000' to 2000'
(0-50 ohm m²/m - linear scale)
5" - 100', 2000' to 2000'
(logarithmic scale)

Sonic Log Compensated Gamma Ray Caliper (30-90-140 scale)

2" - 100', 7000' to 2000'

5" - 100', 7000' to 2000'

Formation Density Compensated

2" - 100', 7000' to 2000'

5" - 100', 7000' to 2000'

(Porosity trace to be used will be decided just prior to logging when lithology of the section is known).

Sidewall Neutron Porosity Log

2" - 100', 7000' to 2000'

5" - 100', 7000' to 2000'

NOTE: The Synergetic Log Systems (Coriband) will be used for the "Second Run" Logs. This includes taping data transmission, computing and presentation. The wellsite digital transmission of optical logs from Inuvik to Calgary may be done. This is to be cleared through the Calgary office.

"THIRD RUN" LOGS

Same program as for the "Second Run" logs.

REQUIREMENTS:

	<u>Logs</u>		<u>Analyses</u>	<u>DST reports</u>
	<u>Field</u>	<u>Final</u>		
Pacific (Calgary)	2	2	2	2
Phillips	2	2	2	2
Cdn. Homestead	2	2	2	2
Castle	2	2	2	2
Imperial	2	2	2	2
Federal Government	2	2	2	2

PARTNERS WITH DERRICK FLOOR PRIVILEGES:

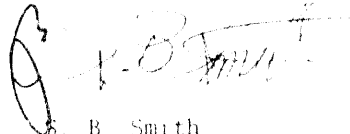
Phillips Petroleum Company Western Hemisphere
Canadian Homestead Oils Limited
Castle Oil & Gas Ltd.
Imperial Oil Limited

GEOLOGICAL REPORTS:

Daily Morning Reports are to be phoned to:

- | | | |
|-------------------|----------------|----------------|
| 1. Wayne Keedwell | Bus. 268-6386, | Res. 271-2693 |
| 2. Jack Brown | Bus. 268-6374, | Res. 242-4437 |
| 3. Jim Torrie | Bus. 268-6387, | Res. 242-2063. |

The phone-fax (Telecopier) of Logs and all Field Prints are to be forwarded to Jack Brown in Calgary as soon as possible.



B. Smith
October 17, 1972

JRB/clr

FACILITY DEVELOPMENT
PROPOSED DRILLING PROGRAM

WELL NAME: FACILITY DEVELOPMENT

COORDINATES: Latitude = 30° 30' 30.693" N
Longitude = 105° 00' 55.092" W

SURFACE ELEV: 73.5

EST. R.B. ELEV: 94.5

DRILLING CONTRACTOR: HALLIBURTON

HOLE SIZES & CASING SIZES

DEPTH (FEET)	HOLE SIZE (INCHES)	CASING SIZE (INCHES)
0 - 10	8 1/2	6 3/4
10 - 20	8 1/2	6 3/4
20 - 30	8 1/2	6 3/4
30 - 40	8 1/2	6 3/4
40 - 50	8 1/2	6 3/4
50 - 60	8 1/2	6 3/4
60 - 70	8 1/2	6 3/4
70 - 80	8 1/2	6 3/4
80 - 90	8 1/2	6 3/4
90 - 100	8 1/2	6 3/4
100 - 110	8 1/2	6 3/4
110 - 120	8 1/2	6 3/4
120 - 130	8 1/2	6 3/4
130 - 140	8 1/2	6 3/4
140 - 150	8 1/2	6 3/4
150 - 160	8 1/2	6 3/4
160 - 170	8 1/2	6 3/4
170 - 180	8 1/2	6 3/4
180 - 190	8 1/2	6 3/4
190 - 200	8 1/2	6 3/4
200 - 210	8 1/2	6 3/4
210 - 220	8 1/2	6 3/4
220 - 230	8 1/2	6 3/4
230 - 240	8 1/2	6 3/4
240 - 250	8 1/2	6 3/4
250 - 260	8 1/2	6 3/4
260 - 270	8 1/2	6 3/4
270 - 280	8 1/2	6 3/4
280 - 290	8 1/2	6 3/4
290 - 300	8 1/2	6 3/4
300 - 310	8 1/2	6 3/4
310 - 320	8 1/2	6 3/4
320 - 330	8 1/2	6 3/4
330 - 340	8 1/2	6 3/4
340 - 350	8 1/2	6 3/4
350 - 360	8 1/2	6 3/4
360 - 370	8 1/2	6 3/4
370 - 380	8 1/2	6 3/4
380 - 390	8 1/2	6 3/4
390 - 400	8 1/2	6 3/4
400 - 410	8 1/2	6 3/4
410 - 420	8 1/2	6 3/4
420 - 430	8 1/2	6 3/4
430 - 440	8 1/2	6 3/4
440 - 450	8 1/2	6 3/4
450 - 460	8 1/2	6 3/4
460 - 470	8 1/2	6 3/4
470 - 480	8 1/2	6 3/4
480 - 490	8 1/2	6 3/4
490 - 500	8 1/2	6 3/4
500 - 510	8 1/2	6 3/4
510 - 520	8 1/2	6 3/4
520 - 530	8 1/2	6 3/4
530 - 540	8 1/2	6 3/4
540 - 550	8 1/2	6 3/4
550 - 560	8 1/2	6 3/4
560 - 570	8 1/2	6 3/4
570 - 580	8 1/2	6 3/4
580 - 590	8 1/2	6 3/4
590 - 600	8 1/2	6 3/4
600 - 610	8 1/2	6 3/4
610 - 620	8 1/2	6 3/4
620 - 630	8 1/2	6 3/4
630 - 640	8 1/2	6 3/4
640 - 650	8 1/2	6 3/4
650 - 660	8 1/2	6 3/4
660 - 670	8 1/2	6 3/4
670 - 680	8 1/2	6 3/4
680 - 690	8 1/2	6 3/4
690 - 700	8 1/2	6 3/4
700 - 710	8 1/2	6 3/4
710 - 720	8 1/2	6 3/4
720 - 730	8 1/2	6 3/4
730 - 740	8 1/2	6 3/4
740 - 750	8 1/2	6 3/4
750 - 760	8 1/2	6 3/4
760 - 770	8 1/2	6 3/4
770 - 780	8 1/2	6 3/4
780 - 790	8 1/2	6 3/4
790 - 800	8 1/2	6 3/4
800 - 810	8 1/2	6 3/4
810 - 820	8 1/2	6 3/4
820 - 830	8 1/2	6 3/4
830 - 840	8 1/2	6 3/4
840 - 850	8 1/2	6 3/4
850 - 860	8 1/2	6 3/4
860 - 870	8 1/2	6 3/4
870 - 880	8 1/2	6 3/4
880 - 890	8 1/2	6 3/4
890 - 900	8 1/2	6 3/4
900 - 910	8 1/2	6 3/4
910 - 920	8 1/2	6 3/4
920 - 930	8 1/2	6 3/4
930 - 940	8 1/2	6 3/4
940 - 950	8 1/2	6 3/4
950 - 960	8 1/2	6 3/4
960 - 970	8 1/2	6 3/4
970 - 980	8 1/2	6 3/4
980 - 990	8 1/2	6 3/4
990 - 1000	8 1/2	6 3/4