FORMATION TEST DATA

Attachment 1 to WCR

GOLDEN BEACH-1A

GOLDEN BEACH-1A

Formation Test Data (Attachment 1 to WCR)

TABLE OF CONTENTS

Section 1.0 Pressure Chart Computations recorded in Schlumberger Formation Tester.

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SECTION 1

Pressure Chart Computations recorded in Schlumberger Formation Tester

JULY 21, 1967

To: BURMAH OIL COMPANY OF AUSTRALIA, LTD.

THE FOLLOWING AMERADA PRESSURE CHART COMPUTATIONS RECORDED IN SCHLUMBERGER FORMATION TESTER ON YOUR GOLDEN BEACH A-1:

TEST No. 1 @ 8973'. 10,250 PSIG GUAGE SERIAL No. 3972-N.

TIME MINUTES	Pressure	Function
0 2 4 6 8 10 12 14 16 18 20 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36	28 48 64 80 88 92 96 100 100 100 3051 3426 3585 3675 3748 3800 3840 3875 3901 3935 3950 3975 3990 4005	FLOW LINE OPENED II II II II II II II II II
	4880	HYDROSTATIC

BY: ROBERT D. AGNEW

1

JULY 21, 1967

To: BURMAH OIL COMPANY OF AUSTRALIA, LTD.

THE FOLLOWING AMERADA PRESSURE CHART COMPUTATIONS RECORDED IN SCHLUMBERGER FORMATION TESTER ON YOUR GOLDEN BEACH A-1:

TEST No. 2 @ 9105'

10,250 PSIG GUAGE SERIAL No. 3972-N

TIME MINUTES	PRESSURE	FUNCTION
0 5 10 15 20 25	36 36 32 32 32 36 36 36 48 48 48	FLOW LINE OPENED H H H H H H H H
25 30 35 39	36 36 36	II II Sample Sealed II
40 42 44	48 48 48	11 11 11
44 46 48 49 50	48 48 48 92	H Tool Collapsed

NOTE: COULD NOT OBTAIN DEFINITE READING OF HYDROSTATIC PRESSURE.

R. D. AGNEW PTY. LTD. P. O. Box 384 DALBY, QUEENSLAND

PHONE 2-3724 2-2495

JULY 21, 1967

To: BURMAH OIL COMPANY OF AUSTRALIA LTD.

THE FOLLOWING AMERADA PRESSURE CHART COMPUTATIONS RECORDED IN SCHLUMBERGER FORMATION TESTER ON YOUR GOLDEN BEACH A-1:

TEST No. 3 @ 8837' 10,250 PSI GUAGE SERIAL No. 3972-N

TIME MINUTES	PRESSURE	FUNCTION
0	3 81	FLOW LINE OPEN
1	176	H
2 3 4 5 1 0	164	
2	152	
4	140	11
5	14 0	**
1 0	132	19
15	132	11
20	132	**
25	132	11
30	132	Ħ
35	132	Ħ
39	132	SAMPLE SEALED
40	3721	H
41	3763	Ħ
42	3785	Ħ
43	3805	#1
ÀÁ	3820	Ħ
45	3825	Ħ
46		#
42 43 44 45 46 47 48	3 835	
41	384 0	•
48	3845 4778	TOOL COLLAPSED HYDROSTATIC

BY: ROBERT D. AGNEW

JULY 21, 1967

To: BURMAH OIL COMPANY OF AUSTRALIA LTD.

THE FOLLOWING AMERADA PRESSURE CHART COMPUTATIONS RECORDED IN SCHLUMBERGER FORMATION TESTER ON YOUR GOLDEN BEACH A-1:

TEST No. 4 @ 8645'

10,250 PSI GUAGE SERIAL NO. 3972-N

TIME MINUTES	PRESSURE	FUNCTION
0		FLOW LINE OPEN
0 1 2 4 6 10	167 8	H
2	1616	H
4	1637 1611	11
6	1611	11
10	1621	11
15	1632 1616	11
20	1616	11
24	1616	11
25 26	1658	Ħ
26	1746	11
27 28 29 30 31 32 33 34 35 36 37 38 39 38 39	2232 3318 3682	Ħ
28	3318	11
29	3682	11
30	3730 3742	H
31	3742	Ħ
<u>32</u>	3747	11
33	3752	11
34	3 752	11
35	37 52	11
<u>36</u>	3 752	n H
37	3752	·
<u> 3</u> 8	3757	n n
39	3 752	"
<i>5</i> 8	3757	••
59 40	3 757	SAMPLE SEALED
40	3825	 n
42	3825 3805	
44 45	3825 3805	·
45	3825	TOOL COLLAPSED
	467 5	HYDROSTATIC

BY: ROBERT D. AGNEW

GOLDEN BEACH-1A

Formation Test Data (Attachment 1 to WCR)

D.S.T Enclosures

There are four aluminium plates located in this folder (PE905172) at this location belonging to:

- Test No. 1 @ 8973'
- Test No. 2 @ 9105'
- Test No. 3 @ 8837'
- Test No. 4 @ 8645'

SECTION 2

Period Flowing Survey

SERVICES

1. G. W 1962 PEET

'n

DYNAMOMETER
PRESSURE SURVEYS
TEMPERATURE SURVEYS
PIANO WIRE LINE SERVICE
SONOLOG WELL SOUNDING SERVICE

ROBERT D. AGNEW

P.O. Box 384

DALBY, QUEENSLAND

PHONE DALBY 1022

DST # 8

					031 # 6
	<u>BURMAH OIL COMPA</u>	NY	FIELD GIPPSLA	ND SHELF	WELL NAME GOLDEN BEACH 1-A
	9-5/8"		ELEV.		DATE AUGUST 22, 1967
LINER DESC					ZERO POINT KELLY BUSHING
PERFORATE	D 2142 -2147 TAIL 421 DRILL P	DE WITH OTTO !!	W woods @ 1	0621	DEPTH
TUBING DE	TAIL 45 DRILL P	PE WITH UITS	U NIFFLE W	502	ZONE
-			· · · · · · · · · · · · · · · · · · ·		
PURPOSE	PERIOD SURVEY -	PORTION OF ISO	CHRONAL FLOW	TEST DST # 8	STABILIZATION PERIOD
REMARKS	HUNG INSTRUMENT	ON OTIS "J" MA	NDREL @ 1962'		GROSS FLUID RATE B/D
PICK UP @		UM TEMPERATURE	116 •F @	1971'	NET OIL RATE B/D
ELEMENT	3000 PSI	SERIAL NO.	4903-N	·	FORMATION GAS MCF/D
		MINUT	ES		GAS OIL RATIO CFT/BBL
					CIRCULATED GAS MCF/D OIL GRAVITY PAPI
0	100	200	300	400 5	00 BEAN SIZE
 					CASING PRESSURE
					TUBING PRESSURE 930
					ON BOTTOM 6:27 PM
1000					Pressure @ 0' 926 psi
					MIN PRESS MIN PRESS
					<u>#</u>
					0* 964 75 960 6 856 0* 960
					6 856 0* 960 12 854 6 807
900 🛗					18 878 12 816
)··					24 881 18 808
#					36 880 24 807
14/					48 883 36 804
					1 60 880 48 798
#					75 880 60 801
800					0** 880 90 805
#					6 964 120 807
· 🖽					12 967 150 805 18 968 180 807
					18 968 180 807 24 968 210** 808
					36 967 240* 805
7∞ ⊞					48 965 270 808
, , ,					48 965 270 808 60 964 300 804 320 810
					60 964 300 804 320 810
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					** Shut In
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SERVICES

DYNAMOMETER PRESSURE SURVEYS TEMPERATURE SURVEYS PIANO WIRE LINE SERVICE

OWNER

ROBERT D. AGNEW

P.O. Box 384 DALBY, QUEENSLAND

PHONE DALBY 1022

WELL NAME GOLDEN BEACH 1-A

SONOLOG WELL SOUNDING SERVICE BURMAH OIL COMPANY

DATE AUGUST 10-11, 1967 CASING ELEV. LINER DESCRIPTION ZERO POINT KELLY BUSHING

FIELD GIPPSLAND SHELF

PERFORATED DEPTH TUBING DETAIL 2" DRILL PIPE ZONE

Note: Halliburton FT Hung Bomb Flowing @ 8674' on Otis "J" MANDREL. HIT ? @ 4200' GOING

IN HOLE, FLUID LEVEL 5250', SEATED "J" MANDREL @ 8674', FLUID LEVEL COMING OUT @ 4750'.

PURPOSE PERIOD FLOWING SURVEY REMARKS

222 °F @ 8674' MAXIMUM TEMPERATURE PICK UP @

8000 PSI 3969-N ELEMENT SERIAL NO.

STABILIZATION PERIOD GROSS FLUID RATE B/D NET OIL RATE B/D FORMATION GAS MCF/D GAS OIL RATIO CFT/BBL CIRCULATED GAS MCF/D OIL GRAVITY PAPI BEAN SIZE CASING PRESSURE TUBING PRESSURE

ON BOTTOM 1:05 PM AUG. 10 OFF BOTTOM 2:00 PM AUG. 11

TIME PRESS 1:05 PM 1788 ? 2:00 PM 2269

STYLUS DISENGAGED

Ł

G. W XXZ4 PEET

ROBERT D. AGNEW

P.O. Box 384 Dalby, Queensland

PHONE DALBY 1022

BURMAH OIL COMPANY WELL NAME GOLDEN BEACH 1-A GIPPSLAND SHELF FIELD CASING 7" August 6, 1967 ELEV DATE LINER DESCRIPTION ZERO POINT KELLY BUSHING PERFORATED DEPTH 2" DRILL PIPE TUBING DETAIL ZONE PURPOSE PERIOD FLOWING SURVEY STABILIZATION PERIOD "J" MANDREL OPEN. REMARKS HUNG BOMB ON "J" MANDREL @ 88241, GROSS FLUID RATE B/D PICK UP @ 88241 MAXIMUM TEMPERATURE 228 °F @ 8824' NET OIL RATE B/D 8000 PSI ELEMENT 3969-N FORMATION GAS MCF/D GAS OIL RATIO CFT/BBL TIME MINUTES CIRCULATED GAS MCF/D OIL GRAVITY PAPI 600 BEAN SIZE CASING PRESSURE TUBING PRESSURE TIME 800 PRESS. OMIN 0 32 MIN 204 600 MIN 700 NOTE: ON BOTTOM 32 MINS. AFTER TESTER OPENED ON FINAL FLOW. HIT OBSTRUCTION @ 3800' RUNNING IN TOOLS WHICH 600 DISENGAGED STYLUS - ONLY PARTIAL READINGS RECORDED. INSTRUMENT PULLED WITH HALLIBURTON FORMATION TESTE 500 400 300 200

SERVICES

DYNAMOMETER
PRESSURE SURVEYS
TEMPERATURE SURVEYS
PIANO WIRE LINE SERVICE

SONOLOG WELL SOUNDING SERVICE

ROBERT D. AGNEW

P.O. Box 384
DALBY, QUEENSLAND

PHONE DALBY 1022

BURMAH OIL COMPANY WELL NAME GOLDEN BEACH 1-A FIELD GIPPSLAND SHELF OWNER DATE AUGUST 5, 1967 CASING ELEV. ZERO POINT KELLY BUSHING LINER DESCRIPTION PERFORATED DEPTH 2" DRILL PIPE TUBING DETAIL ZONE PURPOSE BLANK DRILL PIPE & PRESSURE BUILD-UP STABILIZATION PERIOD REMARKS HUNG BOMB IN OTIS "J" MANDREL @ 8832'. GROSS FLUID RATE B/D 228 PICK UP @ 8832" MAXIMUM TEMPERATURE •F @ 8832**'** NET OIL RATE B/D ELEMENT 8000 PSI 3969-N FORMATION GAS MCF/D GAS OIL RATIO CFT/BBL MINUTES CIRCULATED GAS MCF/D OIL GRAVITY PAPI 100 200 400 BEAN SIZE 4000 CASING PRESSURE TUBING PRESSURE ON BOTTOM 8:50 AM OFF BOTTOM 3:00 PM TIME **PRESS** 3000 413 FLOW OMIN 15 MIN 1668 SHUT IN 2251 30 MIN 45 MIN 2510 2684 60 MIN 75 MIN 2814 2000 90 MIN 2907 105 MIN 120 MIN 135 MIN 150 MIN 3162 165 MIN 1000 180 MIN 210 MIN 240 MIN 270 MIN 300 MIN 330 MIN 0 360 MIN 365 MIN 3486 5 SWAB RUNS

SERVICES

DYNAMOMETER PRESSURE SURVEYS TEMPERATURE SURVEYS PIANO WIRE LINE SERVICE

SONOLOG WELL SOUNDING SERVICE

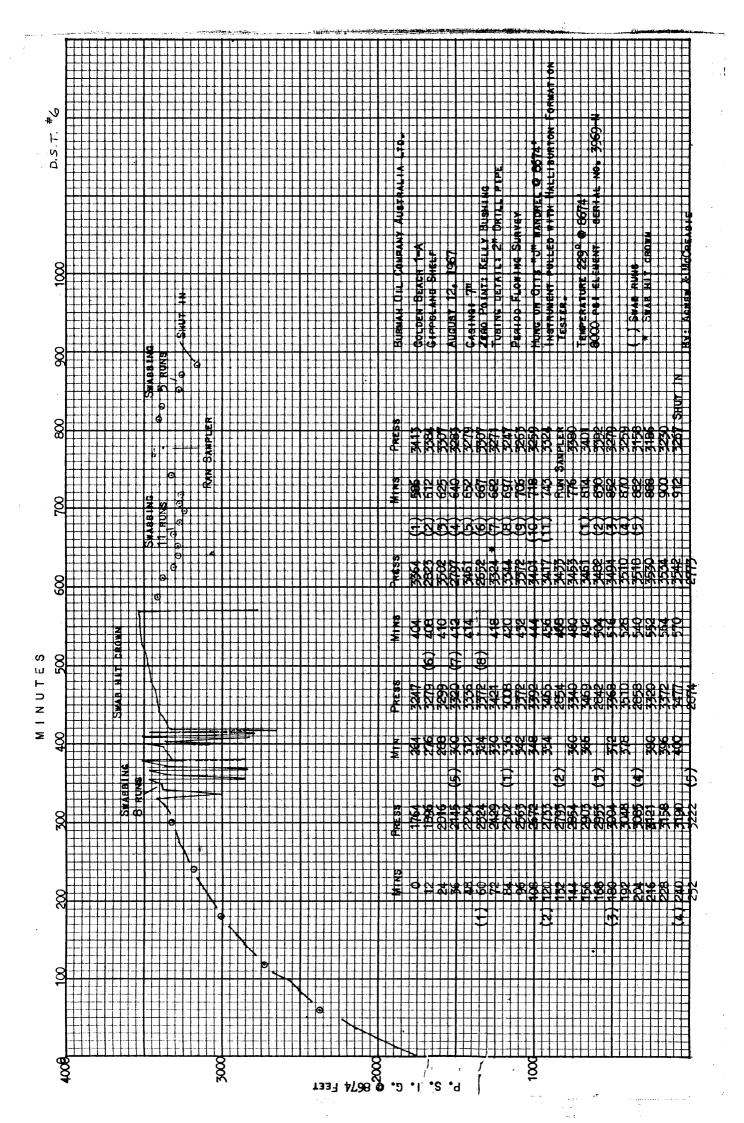
ROBERT D. AGNEW

P.O. Box 384

DALBY, QUEENSLAND

PHONE DALBY 1022

BURMAH OIL COMPANY FIELD GIPPSLAND SHELF WELL NAME GOLDEN BEACH 1-A OWNER DATE AUGUST 3, 1967 CASING ELEV. LINER DESCRIPTION ZERO POINT KELLY BUSHING PERFORATED DEPTH TUBING DETAIL 2" DRILL PIPE ZONE BLANK DRILL PIPE & PRESSURE BUILD-UP PURPOSE STABILIZATION PERIOD HUNG INSTRUMENT @ 8995 REMARKS GROSS FLUID RATE B/D PICK UP @ 89951 MAXIMUM TEMPERATURE 230 °F @ 8995 NET OIL RATE BOD 8000 PSI serial no. 3969-N ELEMENT FORMATION GAS MCF/D GAS OIL RATIO CFT/BBL MINUTES CIRCULATED GAS MCF/D OIL GRAVITY PAPI 100 200 BEAN SIZE 4000 CASING PRESSURE TUBING PRESSURE ON BOTTOM 10:30 AM TIME **PRESS** OMIN 361 1572 15 MIN 3000 30 MIN 2121 2429 45 MIN 60 MIN 2644 75 MIN 2781 2907 105 MIN 2000 120 MIN 3069 135 MIN 150 MIN 3186 165 MIN 3230 180 MIN 210 MIN 3336 1000 240 MIN 3392 270 MIN 3441 300 MIN 3493 330 MIN 3514 360 MIN 3550 390 MIN 3567 0 6 SWAB RUNS



SECTION 3

Daily Drilling Reports

R. D. AGNEW PTY. LTD. P. O. Box 384 DALBY, QUEENSLAND

PHONE 2-3724 2-2495

BURMAH OIL CO. AUSTRALIA LTD. GIPPSLAND SHELF

GOLDEN BEACH 1-A

PURPOSE OF SERVICE: PLUG 2" DRILL PIPE TO OBTAIN PRESSURE BUILDUP

WHEN HALLIBURTON FORMATION TESTER WOULD NOT CLOSE. ALSO HANG PRESSURE RECORDER BELOW PLUG TO MEASURE

PRESSURE BUILD-UP.

WELL DATA: 2" DRILL PIPE WITH 2" OTIS "J" NIPPLE @ 8995' WITH HALLIBURTON RTTS PACKER AND TEST TOOLS BELOW.

Tools Used: 1-1/2" WIRELINE STRING WITH HYDRAULIC JARS, 2" "J" RUNNING TOOL, 2" OTIS "J" MANDREL WITH BLIND CHOKE, BOMB HANGER AND KUSTER KPG 8000 PSI PRESSURE RECORDER WITH 12 HOUR CLOCK.

TIME	Notes
5:00 AM	RIG UP WIRELINE TOOLS.
9:22 AM	ENGAGE STYLUS ON PRESSURE RECORDER.
10:30 AM	SEATED "J" MANDREL IN NIPPLE @ 8995' BLANKING DRILL PIPE
	AND HANGING PRESSURE RECORDER.
11:00 AM	OUT OF HOLE - LAY DOWN WIRELINE LUBRICATOR.
2:00 PM	SECURE WIRELINE EQUIPMENT.
9:00 PM	COMING OUT OF HOLE WITH FORMATION TESTER.
	RETRIEVE "J" MANDREL AND PRESSURE RECORDER FROM NIPPLE
	IN DRILL COLLAR.
12:00 PM	READ PRESSURE CHARTS.

BURMAH OIL CO. AUSTRALIA LTD. GIPPSLAND SHELF GOLDEN BEACH 1-A

PRUPOSE OF SERVICE: TO PLUG 2" DRILL PIPE TO OBTAIN PRESSURE BUILD-UP WHEN HALLIBURTON TESTER MALFUNCTIONED.

WELL DATA:

TOOLS USED:

TIME

Notes

2:30 PM

RIGGED UP WIRELINE TOOLS TO RUN OTIS "J" MANDREL WITH

BLIND CHOKE AND PRESSURE RECORDER.

HALLIBURTON TESTER WOULD NOT OPEN FOR FINAL FLOW TEST NO

GOOD - TESTER TO BE PULLED.

4:00 PM

RIGGED DOWN AND SECURED EQUIPMENT.

BURMAH OIL CO. AUSTRALIA LTD. GIPPSLAND SHELF GOLDEN BEACH 1-A

PURPOSE OF SERVICE: PLUG 2" DRILL PIPE TO OBTAIN PRESSURE BUILD-UP WHEN HALLIBURTON TESTER WOULD NOT CLOSE. ALSO HANG PRESSURE RECORDER BELOW PLUG TO RECORD PRESSURE BUILD-UP.

WELL DATA: 2" DRILL PIPE WITH 2" OTIS "J" NIPPLE @ 8832" WITH HALLIBURTON RTTS PACKER AND TEST TOOLS BELOW.

Tools used: 1-1/2" wireline string with hydraulic jars, 2" "J" running tool, 2" "J" mandrel with blind choke, bomb hanger and Kuster KPG 8000 psi pressure recorder with 12 hour clock.

TIME		Notes
7:30	AM	RIG UP WIRELINE TOOLS AND PRESSURE RECORDER.
8:05	AM	ENGAGE STYLUS ON PRESSURE RECORDER.
8:56	AM	SEATED "J" MANDREL IN NIPPLE @ 8832 BLANKING DRILL PIPE
		AND HANGING PRESSURE RECORDER.
9:30	AM	OUT OF HOLE WITH RUNNING TOOLS.
10:00	AM	RIGGED DOWN AND SECURED WIRELINE EQUIPMENT.
8:30	PM	COMING OUT OF HOLE WITH DRILL PIPE AND FROMATION TESTER.
		RETRIEVE OTIS "J" MANDREL AND PRESSURE RECORDER FROM NIPPLE
		IN DRILL COLLARS.
9:30	PM	

TO
12:00 PM READ CHARTS.

R. D. AGNEW PTY. LTD. P. O. Box 384 DALBY, QUEENSLAND

PHONE 2-3724

BURMAH OIL CO. AUSTRALIA LTD. GIPPSLAND SHELF

12:00 PM READ PRESSURE CHARTS.

BY: ROBERT D. AGNEW

GOLDEN BEACH 1-A

PURPOSE OF SERVICE: HANG PRESSURE RECORDER IN NIPPLE DURING FORMATION TEST.

WELL DATA: 2" DRILL PIPE WITH 2" OTIS "J" NIPPLE @ 8824' WITH HALLIBURTON RTTS PACKER AND TEST TOOLS BELOW.

Tools Used: 1-1/2" WIRELINE STRING WITH HYDRAULIC JARS, 2" "J" RUNNING TOOL, 2" OTIS "J" MANDREL WITH NO CHOKE, BOMB HANGER AND KUSTER RPG 8000 PSI PRESSURE RECORDER WITH 36 HOUR CLOCK.

TIME	Notes
3:30 AM	RIGGED UP WIRELINE TOOLS AND PRESSURE RECORDER.
3:42 AM	ENGAGE STYLUS ON PRESSURE RECORDER.
4:30 AM	HIT OBSTRUCTION @ 3800' GOING IN HOLE. SEATED "J" MANDREL
	IN NIPPLE @ 8824'.
5:00 AM	Out of hole with running tools.
6:00 AM	RIGGED DOWN AND SECURED EQUIPMENT.
5:30 PM	Unseated packer and started out of hole with drill pipe.
9:30 PM	RETRIEVE OTIS MANDREL AND PRESSURE RECORDER FROM NIPPLE IN
	DRILL COLLARS.

BURMAH OIL CO. AUSTRALIA LTD. GIPPSLAND SHELF

GOLDEN BEACH 1-A

PURPOSE OF SERVICE: HANG PRESSURE RECORDER IN OTIS NIPPLE DURING FORMATION TEST.

WELL DATA: 2" DRILL PIPE WITH 2" OTIS "J" NIPPLE @ 8674' WITH HALLIBURTON RTTS PACKER AND TEST TOOLS BELOW.

Tools Used: 1-1/2" wireling string with hydraulic Jars, 2" "J" running tool, 2" OTIS "J" MANDREL WITH NO CHOKE, BOMB HANGER AND KUSTER RPG 8000 PSI PRESSURE RECORDER WITH 36 HOUR CLOCK.

TIME

Notes

Aug. 10

11:00 AM RIG UP WIRELINE TOOLS AND PRESSURE RECORDER.

12:14 PM ENGAGE STYLUS ON PRESSURE RECORDER.

HIT OBSTRUCTION @ 4200' GOING IN HOLE, FLUID LEVEL 5250'.

1:05 PM SEATED "J" MANDREL IN NIPPLE @ 86741, HUNG RECORDER.

2:00 PM OUT OF HOLE, EQUIPMENT SECURED.

Aug. 11

5:30 PM RETRIEVE OTIS MANDREL AND PRESSURE RECORDER FROM NIPPLE IN DRILL COLLARS.

9:30 PM COMPLETE READING CHARTS.

R. D. AGNEW PTY. LTD. P. 0. Box 384 DALBY, QUEENSLAND

PHONE 2-3724

BURMAH OIL CO. AUSTRALIA LTD. GIPPSLAND SHELF

GOLDEN BEACH 1-A

PURPOSE OF SERVICE: OBTAIN SUBSURFACE FLUID SAMPLE.

WELL DATA: 2" DRILL PIPE.

Tools Used: Rig sand line, 1-1/2" O.D. sample Bailer.

TIME

Notes:

3:00 PM

RIG UP SAMPLE BAILER.

OBTAIN FLUID SAMPLE @ 86741.

4:00 PM

RIG DOWN BAMPLE BAILER.

BURMAH OIL CO. AUSTRALIA LTD. GIPPSLAND SHELF

GOLDEN BEACH 1-A

PURPOSE OF SERVICE: HANG PRESSURE RECORDER IN OTIS NIPPLE TO RECORD PRESSURES DURING FORMATION TEST.

WELL DATA: 2" DRILL PIPE WITH 2" OTIS "J" NIPPLE @ 8674' WITH HALLIBURTON RTTS PACKER AND TEST TOOLS BELOW.

Tools Used: 1-1/2" wireline string with hydraulic jars, 2" "J" running tool, 2" OTIS "J" MANDREL WITH NO CHOKE, BOMB HANGER AND KUSTER RPG 8000 PSI PRESSURE RECORDER WITH 36 HOUR CLOCK.

TIME

NOTES

Aug. 12

1:00 AM RIG UP WIRELINE TOOLS AND PRESSURE RECORDER.

1:20 AM ENGAGE STYLUS PRESSURE RECORDER.

3:05 AM FLUID LEVEL GOING IN @ 5070'.

SEAT MANDREL IN "J" NIPPLE @ 8674', HUNG RECORDER.

4:30 AM Out of Hole, RIGGED DOWN, EQUIPMENT SECURED.

11:00 PM RETRIEVE MANDREL AND PRESSURE RECORDER FROM NIPPLE IN DRILL COLLARS.

Aug. 13

TO

1:30 AM READ CHARTS.

7:30 AM

9:30 AM READ CHARTS. BURMAH OIL CO. AUSTRALIA LTD. GIPPSLAND SHELF GOLDEN BEACH 1-A

PURPOSE OF SERVICE: OBTAIN SUBSURFACE FLUID SAMPLE.

WELL DATA: 2" DRILL PIPE.

Tools used: RIG SANDLINE, 1-1/2" 0.D. SAMPLE BAILER.

TIME

NOTES

6:15 PM

RIG UP SAMPLE BAILER.

STOPPED ON OBSTRUCTION IN DRILL PIPE @ APPROX. 4000'

OBTAIN SAMPLE @ 40001

7:15 PM

RIG DOWN SAMPLE BAILER.

R. D. AGNEW PTY. LTD. P. 0. Box 384 DALBY, QUEENSLAND

PHONE 2-3724 2-2495

BURMAH OIL CO. AUSTRALIA LTD. GIPPSLAND SHELF

GOLDEN BEACH 1-A

PURPOSE OF SERVICE: PUSH SWABBING DEBRIS DOWN HOLE, OBTAIN FLUID SAMPLE.

WELL DATA: 2" DRILL PIPE.

Tools Used: Rig sandline 10" x 1-3/4" stem, Rein Jars, 1.865" O.D. pulling TOOL. SAMPLE BAILER 1-1/2" 0.D.

TIME

NOTES

11:45 AM RIG UP JARS AND PULLING TOOL.

RAN IN HIT DEBRIS @ APPROX. 3500'.

Push DEBRIS TO 4600' APPROX. STOPS @ 4600'.

RAN SAMPLER TO 46001.

OBTAIN SAMPLE - RIG DOWN. 1:45 PM

RAN SAMPLER TO APPROX. 86001. 6:00 PM

OBTAINED SAMPLE.

7:00 PM RIGGED DOWN TOOLS.