



ATTACHMENT 6

VIC-P17

W788

GIPPSLAND BASIN

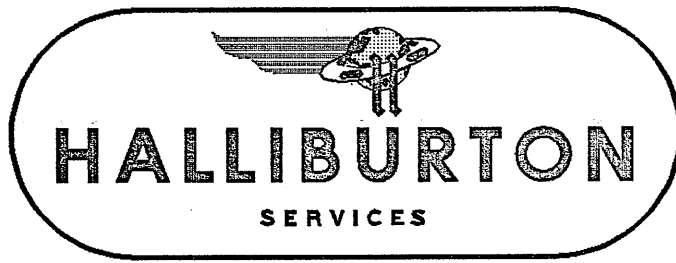
OMEQ NO. 1

HALLIBURTON - TESTING SERVICE REPORT

FLOPETROL - WELL TESTING REPORT

PG/191/83

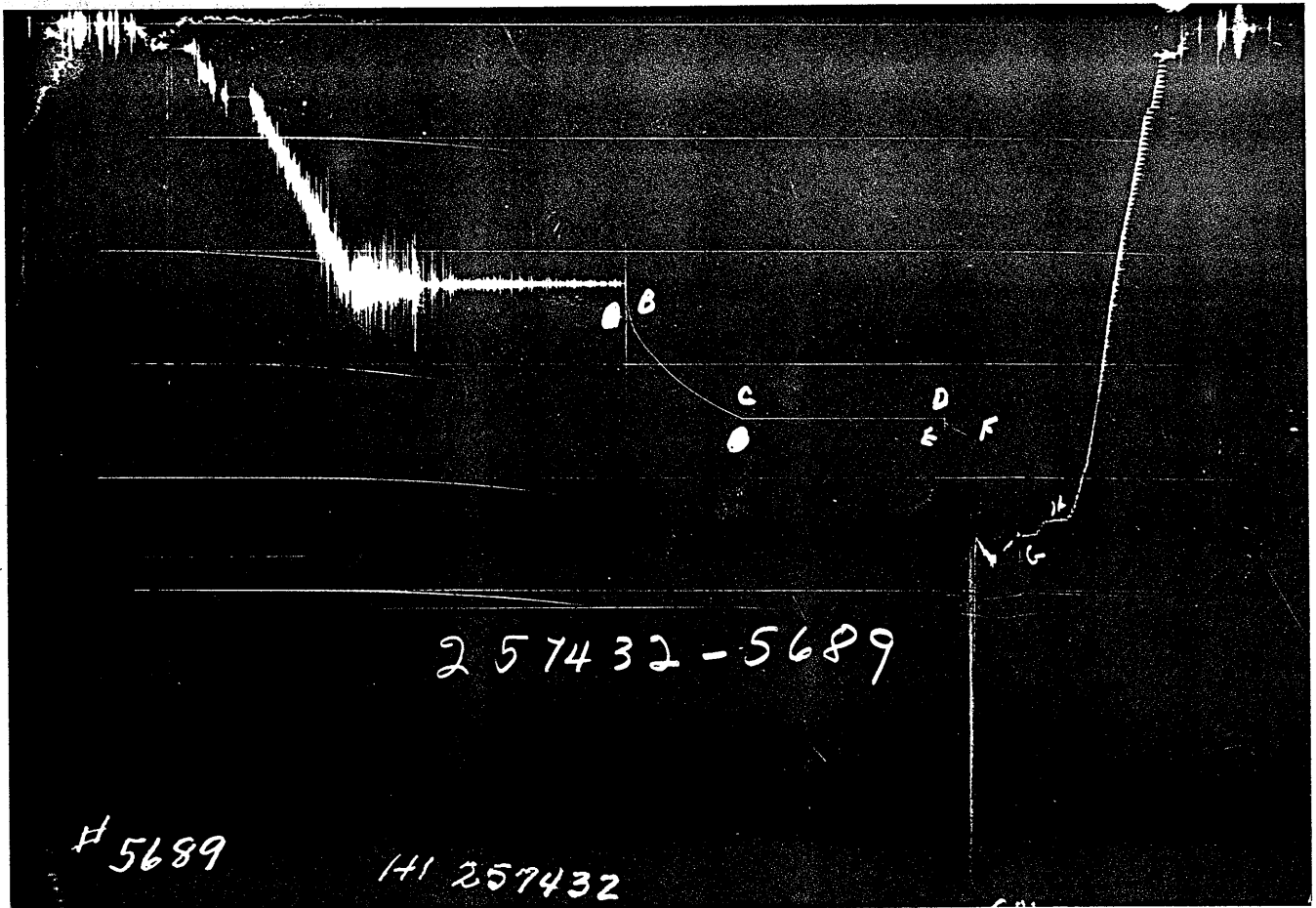
BOX 2 OF 3



TICKET NO. 25743200
 01-MAR-83
 SALE

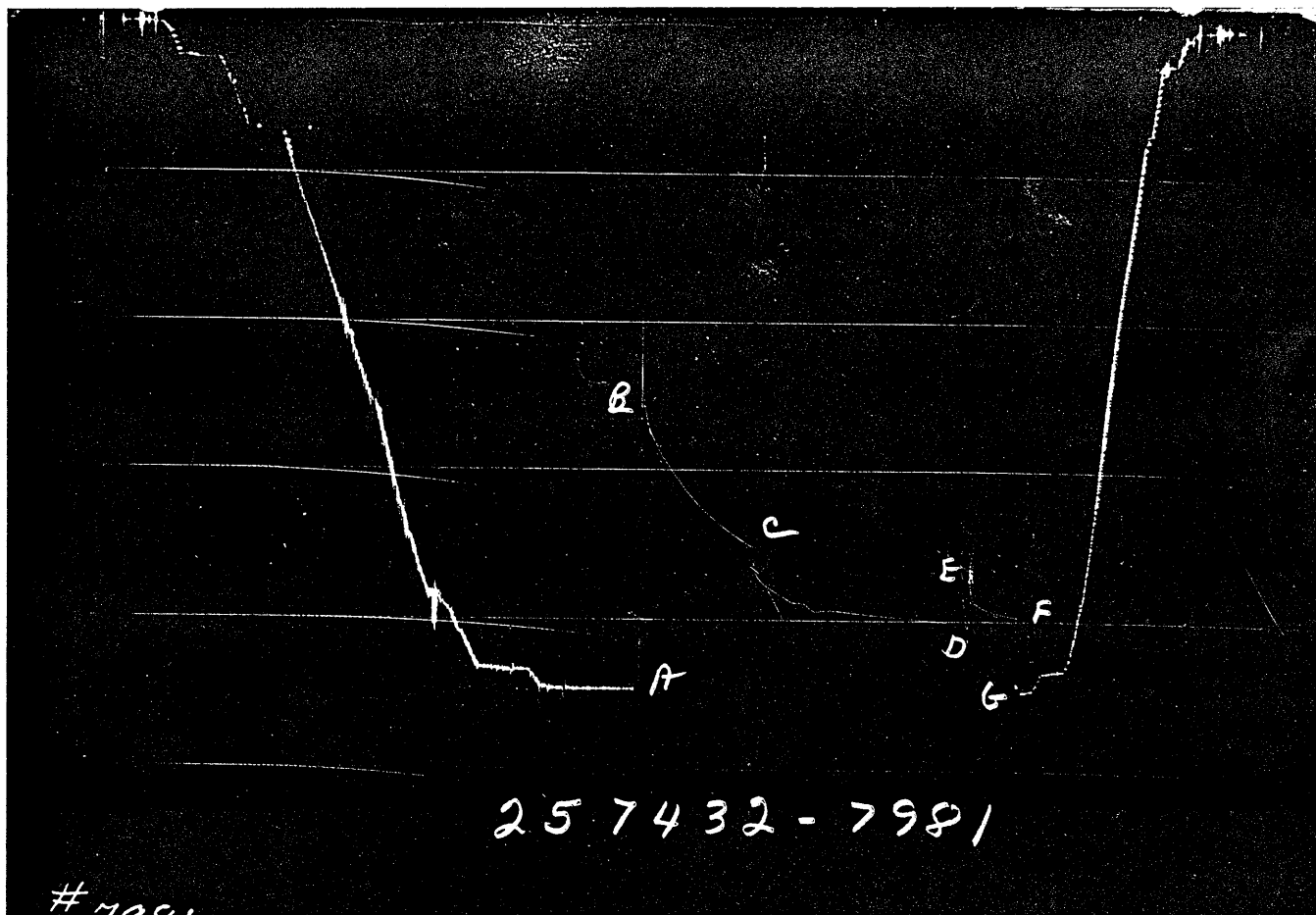
FORMATION TESTING SERVICE REPORT

LEGAL LOCATION SEC. - TYP. - RING.	WELL NO.	TEST NO.	FIELD AREA	COUNTY	STATE AUSTRALIA
(SEE REMARKS)	1	1		VICTORIA	DR/P
			BASS STRAIT		
					HUSIKALIAN HULLHIDE PERMANENT PILLAR
					LEASE OWNER/COMPANY NAME
					9469.1 - 9701.1 TESTED INTERVAL



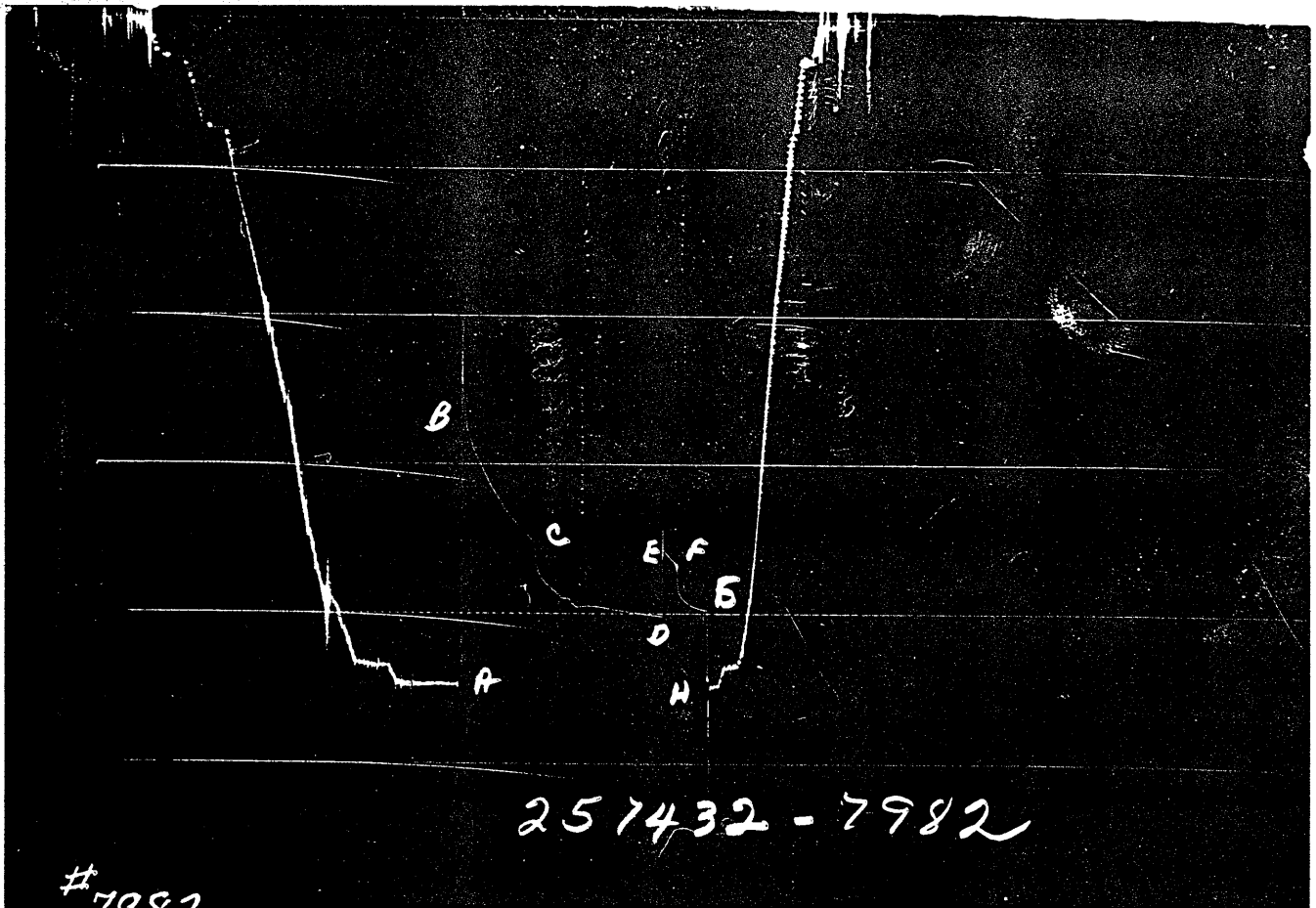
GAUGE NO: 5689 DEPTH: 9426.9 BLANKED OFF: NO HOUR OF CLOCK: 48

ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
A	INITIAL HYDROSTATIC	2289				
B	INITIAL FIRST FLOW	2406	2390.9			
C	FINAL FIRST FLOW	3472	3489.0	270.0	266.8	F
C	INITIAL FIRST CLOSED-IN	3472	3489.0			
D	FINAL FIRST CLOSED-IN	3491	3484.3	465.0	461.1	C
E	INITIAL SECOND FLOW	3532	3525.2			
F	FINAL SECOND FLOW	3636	3629.1	50.0	53.5	F
F	INITIAL SECOND CLOSED-IN	3636	3629.1			
G	FINAL SECOND CLOSED-IN	3636	4542.0	105.0	108.6	C
H	FINAL HYDROSTATIC	4729	4507.1			



GAUGE NO: 7981 DEPTH: 9455.4 BLANKED OFF: NO HOUR OF CLOCK: 48

ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
A	INITIAL HYDROSTATIC	4420	4466.4			
B	INITIAL FIRST FLOW	2551	2376.4			
C	FINAL FIRST FLOW	3477	3521.1	270.0	266.8	F
C	INITIAL FIRST CLOSED-IN	3477	3521.1			
D	FINAL FIRST CLOSED-IN	3969	4012.4	465.0	461.1	C
E	INITIAL SECOND FLOW	3523	3563.0			
F	FINAL SECOND FLOW	3626	3671.0	50.0	53.5	F
F	INITIAL SECOND CLOSED-IN	3626	3671.0			
G	FINAL SECOND CLOSED-IN	3934	3975.9	105.0	108.6	C
H	FINAL HYDROSTATIC	4427	4472.8			



257432 - 7982

#7982

GAUGE NO: 7982 DEPTH: 9498.0 BLANKED OFF: YES HOUR OF CLOCK: 72

ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
A	INITIAL HYDROSTATIC	4470	4481.4			
B	INITIAL FIRST FLOW	2635	2427.9			
C	FINAL FIRST FLOW	3520	3531.8	270	267	F
C	INITIAL FIRST CLOSED-IN	3520	3531.8			
D	FINAL FIRST CLOSED-IN	4013	4025.1	465	461	C
E	INITIAL SECOND FLOW	3575	3581.7			
F	FINAL SECOND FLOW	3678	3682.7	50	54	F
F	INITIAL SECOND CLOSED-IN	3678	3682.7			
G	FINAL SECOND CLOSED-IN	3975	3986.2	105	109	C
H	FINAL HYDROSTATIC	4471	4481.9			

EQUIPMENT & HOLE DATA

FORMATION TESTED: LATROBE
 NET PAY (ft): 68.9
 GROSS TESTED FOOTAGE: 232.0
 ALL DEPTHS MEASURED FROM: R. KELLY BUSHING
 CASING PERFS. (ft): 9573.96'-9642.86
 HOLE OR CASING SIZE (in): 7.000
 ELEVATION (ft): 90
 TOTAL DEPTH (ft): 9701.0
 PACKER DEPTH(S) (ft): 9469
 FINAL SURFACE CHOKE (in): 0.125
 BOTTOM HOLE CHOKE (in): 1.000
 MUD WEIGHT (lb/gal): 9.20
 MUD VISCOSITY (sec): 39
 ESTIMATED HOLE TEMP. (°F): 220
 ACTUAL HOLE TEMP. (°F): 220 @ 9532.4 ft

TICKET NUMBER: 25743200

DATE: 2-4-83 TEST NO: 1

TYPE DST: CASED HOLE W/APR

HALLIBURTON CAMP:
SALE

TESTER: R. BAKER
U. SEGLEM

WITNESS: F. JOCERIER ???

DRILLING CONTRACTOR:
ODECO

FLUID PROPERTIES FOR RECOVERED MUD & WATER

SOURCE	RESISTIVITY	CHLORIDES
_____	_____ @ _____ °F	_____ ppm
_____	_____ @ _____ °F	_____ ppm
_____	_____ @ _____ °F	_____ ppm
_____	_____ @ _____ °F	_____ ppm
_____	_____ @ _____ °F	_____ ppm
_____	_____ @ _____ °F	_____ ppm

SAMPLER DATA

Pstg AT SURFACE: 2350
 cu.ft. OF GAS: 18.00
 cc OF OIL: 0
 cc OF WATER: 0
 cc OF MUD: 0
 TOTAL LIQUID cc: 0

HYDROCARBON PROPERTIES

OIL GRAVITY (°API): _____ @ _____ °F
 GAS/OIL RATIO (cu.ft. per bbl): _____
 GAS GRAVITY: _____

CUSHION DATA

TYPE	AMOUNT	WEIGHT
FRESH WATER (FT)	<u>5315.0</u>	<u>8.33</u>
_____	_____	_____

RECOVERED:

9464.9 FEET OF MUDDY WATER
 NO FLUID RECOVERED BETWEEN APR-N AND APR M-2

MEASURED FROM
TESTER VALVE

REMARKS:

CHARTS INDICATE LEAKAGE DURING INITIAL CLOSED-IN PRESSURE

LEGAL LOCATION: LAT. 38 DEG. - 36' SOUTH; LONG. 147 DEG. - 43' EAST

TYPE & SIZE MEASURING DEVICE: AMARADA | TICKET NO: 25743200

TIME	CHOKE SIZE	SURFACE PRESSURE PSI	GAS RATE MCF	LIQUID RATE BPD	REMARKS
2-4-83					
2030					STARTED CLOCKS ON B.T. GAUGES
2100					PICKED-UP TOOLS
2140					B.T. #5689 IN STRING
2150					B.T. #7981 IN STRING
2200					B.T. #7982 IN STRING
2300					TOOLS THROUGH ROTARY TABLE
2-5-83					
0030					PICKED UP SLIP JOINTS
0100					PRESSURE TESTED TOOLS ON TOP
					OF APR-N TO 3000 PSI (OK).
					GATER HAWK PRESSURE TESTED EACH
					DRILL PIPE CONNECTION WHILE
					GOING IN HOLE.
1030					TOUCHED TOP OF 7" LINER - ROTATE
					TO GET INTO LINER.
1810					SET R.T.T.S. PACKER WITH 25,000#
1815					CLOSED 3.50" PIPE RAMS.
1825	.125" BH				PRESSURE ANNULUS TO 1400 PSI
					APR-N VALVE OPEN. WEAK BLOW
					THROUGH BUBBLE HOSE ONLY.
1830	.125"				VERY WEAK BLOW
1835	.125"				VERY WEAK BLOW
1840	.125"				VERY WEAK BLOW
1845	.125"				WEAK BLOW - OPENED AT BUBBLE
					HOSE.
1850	.125"				WEAK BLOW
1855	.125"				WEAK BLOW
1900	.125"				WEAK BLOW
1905	.125"	1			WEAK BLOW
1910	.125"	1			WEAK BLOW
1915	.125"	1			WEAK BLOW
1920	.125"	1			WEAK BLOW
1925	.125"	1			WEAK BLOW
1930	.125"	1			WEAK BLOW
1935	.125"	1			WEAK BLOW
1940	.125"	1			WEAK BLOW

TYPE & SIZE MEASURING DEVICE:

AMARADA

TICKET NO: 25743200

TIME	CHOKE SIZE	SURFACE PRESSURE PSI	GAS RATE MCF	LIQUID RATE BPD	REMARKS
1945	.125"	1			WEAK BLOW
1950	.125"	1			WEAK BLOW
1955	.125"	1			WEAK BLOW - FLOWING THROUGH BUBBLE HOSE ONLY.
2000	.125"	1			WEAK BLOW - OPENED AT BUBBLE HOSE.
2005	.125"	1			WEAK BLOW - OPENED AT BUBBLE HOSE.
2010	.125"	1			WEAK BLOW - OPENED AT BUBBLE HOSE.
2015	.125"	1			WEAK BLOW - OPENED AT BUBBLE HOSE.
2020	.125"				WEAK BLOW - OPENED AT BUBBLE HOSE.
2025	.125"				VERY WEAK BLOW AT BUBBLE HOSE
2030	.125"				VERY WEAK BLOW AT BUBBLE HOSE
2035	.125"				VERY WEAK BLOW AT BUBBLE HOSE
2100	.125"				VERY WEAK BLOW AT BUBBLE HOSE
2130	.125"				VERY WEAK BLOW AT BUBBLE HOSE
2200	.125"				VERY WEAK BLOW AT BUBBLE HOSE
2230	.125"				VERY WEAK BLOW AT BUBBLE HOSE
2255					CLOSED APR-N TESTER VALVE FOR FIRST CLOSED-IN PERIOD.
2-6-83					
0640	.125"				OPENED APR-N TESTER VALVE WITH A VERY WEAK BLOW THROUGH BUBBLE HOSE.
0700	.125"				VERY WEAK BLOW
0730					PRESSURED ANNULUS TO 2250 PSI TO FUNCTION APR- M2 CIRCULATING SAFETY VALVE. REVERSED OUT.
0915					OPENED HYDRAULIC BYPASS - UNSEAT PACKER. CLOSED 5" PIPE RAMS - PRESSURED UP TO 1000# ON ANNULUS IN AN ATTEMPT TO SQUEEZE MUD INTO FORMATION.
0930					RELEASED PRESSURE - OPENED PIPE

TICKET NO: 25743200
 CLOCK NO: 10878 HOUR: 48



GAUGE NO: 5689
 DEPTH: 9426.9

REF	MINUTES	PRESSURE	ΔP	$\frac{t \times \Delta t}{t + \Delta t}$	$\log \frac{t + \Delta t}{\Delta t}$
FIRST FLOW					
B 1	0.0	2390.9			
2	40.0	2835.0	444.1		
3	80.0	3008.4	173.4		
4	120.1	3153.2	144.8		
5	160.0	3271.6	118.3		
6	200.0	3362.7	91.2		
7	240.1	3441.6	78.9		
C 8	266.8	3489.0	47.4		
FIRST CLOSED-IN					
C 1	0.0	3489.0			
D 2	461.1	3484.3	-4.7	169.0	0.198
SECOND FLOW					
E 1	0.0	3525.2			
2	10.1	3543.5	18.3		
3	20.0	3564.2	20.7		
4	30.0	3584.5	20.3		
5	40.0	3605.0	20.5		
6	50.0	3620.7	15.7		
F 7	53.5	3629.1	8.4		
SECOND CLOSED-IN					
F 1	0.0	3629.1			
G 2	108.6	4542.0	912.9	81.1	0.597

REF	MINUTES	PRESSURE	ΔP	$\frac{t \times \Delta t}{t + \Delta t}$	$\log \frac{t + \Delta t}{\Delta t}$
(Empty table)					

REMARKS:
 THIS GAUGE RUN ABOVE TOOL

TICKET NO: 25743200

CLOCK NO: 26743 HOUR: 48



GAUGE NO: 7981

DEPTH: 9455.4

REF	MINUTES	PRESSURE	ΔP	$\frac{t \times \Delta t}{t + \Delta t}$	$\log \frac{t + \Delta t}{\Delta t}$
FIRST FLOW					
B 1	0.0	2376.4			
2	40.0	2866.6	490.2		
3	80.0	3041.1	174.5		
4	120.0	3191.1	150.0		
5	160.0	3307.4	116.3		
6	200.0	3400.2	92.7		
7	240.0	3476.9	76.7		
C 8	266.8	3521.1	44.2		
FIRST CLOSED-IN					
C 1	0.0	3521.1			
2	30.0	3777.9	256.8	26.9	0.996
3	60.1	3831.2	310.1	49.0	0.736
4	90.0	3882.2	361.1	67.3	0.598
5	120.0	3896.0	374.9	82.8	0.508
6	150.0	3948.8	427.7	96.0	0.444
7	180.0	3942.4	421.3	107.5	0.395
8	210.0	3947.0	425.9	117.5	0.356
9	240.0	3957.1	436.0	126.3	0.325
10	270.0	3965.7	444.6	134.2	0.298
11	310.0	3974.6	453.5	143.4	0.270
12	340.0	3982.7	461.6	149.5	0.252
13	370.0	3990.1	469.0	155.0	0.236
14	400.0	3999.2	478.1	160.1	0.222
15	430.0	4007.2	486.1	164.6	0.210
D 16	461.1	4012.4	491.2	169.0	0.198
SECOND FLOW					
E 1	0.0	3563.0			
2	10.0	3583.0	20.0		
3	20.0	3605.9	22.9		
4	30.0	3626.6	20.6		
5	40.0	3646.5	20.0		
6	50.0	3663.2	16.7		
F 7	53.5	3671.0	7.8		
SECOND CLOSED-IN					
F 1	0.0	3671.0			
2	7.1	3855.6	184.7	7.0	1.662
3	14.0	3882.7	211.7	13.4	1.377
4	21.0	3901.0	230.0	19.7	1.211
5	28.0	3914.9	243.9	25.8	1.095
6	35.0	3924.1	253.1	31.6	1.006
7	42.0	3932.3	261.4	37.1	0.936
8	49.0	3939.9	269.0	42.5	0.877
9	56.0	3946.5	275.6	47.7	0.827

REF	MINUTES	PRESSURE	ΔP	$\frac{t \times \Delta t}{t + \Delta t}$	$\log \frac{t + \Delta t}{\Delta t}$
SECOND CLOSED-IN - CONTINUED					
10	63.0	3953.0	282.0	52.6	0.784
11	70.0	3957.4	286.5	57.5	0.748
12	77.0	3960.4	289.4	62.1	0.713
13	84.0	3964.9	293.9	66.6	0.682
14	91.0	3968.6	297.7	70.9	0.655
15	93.0	3970.3	299.3	72.0	0.648
16	105.0	3974.4	303.5	79.1	0.607
G 17	108.6	3975.9	305.0	81.1	0.597

REMARKS:

TICKET NO: 25743200

CLOCK NO: 26226 HOUR: 72































GAUGE NO: 7982

DEPTH: 9498.0

REF	MINUTES	PRESSURE	ΔP	$\frac{t \times \Delta t}{t + \Delta t}$	$\log \frac{t + \Delta t}{\Delta t}$
FIRST FLOW					
B	1	0	2427.9		
	2	40	2897.0	469.1	
	3	80	3056.7	159.6	
	4	120	3202.0	145.3	
	5	160	3322.1	120.1	
	6	200	3409.1	87.0	
	7	240	3485.8	76.8	
C	8	267	3531.8	46.0	
FIRST CLOSED-IN					
C	1	0	3531.8		
	2	30	3793.4	261.6	27.0 0.995
	3	60	3843.3	311.5	49.1 0.736
	4	90	3896.5	364.7	67.3 0.598
	5	120	3909.4	377.6	82.8 0.508
	6	150	3962.9	431.1	96.0 0.444
	7	180	3959.1	427.3	107.5 0.395
	8	210	3959.8	428.0	117.5 0.356
	9	240	3966.1	434.3	126.3 0.325
	10	270	3976.8	445.0	134.2 0.298
	11	310	3988.1	456.3	143.4 0.270
	12	340	3995.2	463.4	149.5 0.252
	13	370	4003.8	472.0	155.0 0.236
	14	400	4011.6	479.8	160.1 0.222
	15	430	4019.4	487.6	164.6 0.210
D	16	461	4025.1	493.3	169.0 0.198
SECOND FLOW					
E	1	0	3581.7		
	2	10	3598.7	17.0	
	3	20	3620.3	21.6	
	4	30	3639.9	19.6	
	5	40	3658.3	18.5	
	6	50	3678.7	20.4	
F	7	54	3682.7	4.0	
SECOND CLOSED-IN					
F	1	0	3682.7		
	2	7	3872.5	189.8	7.0 1.663
	3	14	3898.4	215.7	13.4 1.379
	4	21	3912.9	230.1	19.8 1.209
	5	28	3923.1	240.4	25.8 1.095
	6	35	3933.1	250.4	31.5 1.007
	7	42	3943.7	261.0	37.1 0.936
	8	49	3951.2	268.5	42.6 0.876
	9	56	3958.0	275.3	47.6 0.828

REF	MINUTES	PRESSURE	ΔP	$\frac{t \times \Delta t}{t + \Delta t}$	$\log \frac{t + \Delta t}{\Delta t}$
SECOND CLOSED-IN - CONTINUED					
	10	63	3963.4	280.7	52.6 0.784
	11	70	3967.2	284.5	57.5 0.746
	12	77	3972.8	290.1	62.1 0.712
	13	84	3975.9	293.2	66.5 0.683
	14	91	3979.2	296.5	70.9 0.655
	15	98	3982.0	299.3	75.1 0.630
	16	105	3985.2	302.5	79.1 0.608
G	17	109	3986.2	303.5	81.1 0.597


REMARKS:

		O.D.	I.D.	LENGTH	DEPTH	
1		DRILL PIPE.....	5.000	4.270	282.3	
6		SUB-SEA TEST TREE.....	10.000	3.000	28.8	
1		DRILL PIPE.....	5.000	4.270	7708.0	
1		DRILL PIPE.....	3.500	2.440	938.6	
10		SLIP JOINT.....	5.000	2.250	13.1	
10		SLIP JOINT.....	5.000	2.250	8.2	
3		DRILL COLLARS.....	4.750	2.310	363.3	
50		IMPACT REVERSING SUB.....	5.000	2.250		
3		DRILL COLLARS.....	4.750	2.310	89.7	
5		CROSSOVER.....	4.750	1.000	1.0	
80		AP RUNNING CASE.....	5.000	3.060	4.1	9426.9
52		APR CIRCULATING VALVE.....	5.030	2.250	3.0	9430.2
54		APR CIRCULATING VALVE.....	5.030	2.250	7.5	9437.5
64		APR-N TESTER.....	5.000	2.250	12.8	9440.9
5		CROSSOVER.....	4.750	2.500	2.1	
80		AP RUNNING CASE.....	5.000	3.060	4.1	9455.4
5		CROSSOVER.....	4.750	2.500	0.8	
57		FUL-FLO HYDRAULIC BYPASS.....	4.680	2.250	6.3	9464.9
5		CROSSOVER.....	4.750	2.500	1.7	
5		CROSSOVER.....	5.500	2.250	1.4	
71		CASING PACKER.....	5.750	2.250	3.0	9469.0
5		CROSSOVER.....	4.750	2.500	0.9	
21		PERFORATED TAIL PIPE.....	5.000	2.370	5.0	
21		PERFORATED TAIL PIPE.....	5.000	2.370	5.0	
21		PERFORATED TAIL PIPE.....	5.000	2.370	5.0	
23		BLANK SUB.....	4.750		1.0	
5		CROSSOVER.....	4.750	2.500	0.9	
84		BUNDLE CARRIER.....	5.375	2.250	8.0	9494.0

CONTINUED

EQUIPMENT DATA

TICKET NO. 25743200

		O.D.	I.D.	LENGTH	DEPTH
5	 CROSSOVER.....	4.750	2.500	1.0	
81	BLANKED-OFF RUNNING CASE.....	5.000		4.1	9498.0
TOTAL DEPTH					9701.0

EQUIPMENT DATA

EQUATIONS FOR DST LIQUID WELL ANALYSIS

Transmissibility	$\frac{kh}{\mu} = \frac{162.6 QB}{m}$	$\frac{\text{md-ft}}{\text{cp}}$
Indicated Flow Capacity	$kh = \frac{kh}{\mu} \mu$	md-ft
Average Effective Permeability	$k = \frac{kh}{h}$	md
Damage Ratio	$DR = .183 \frac{P^* - P_f}{m}$	—
Theoretical Potential w / Damage Removed	$Q_1 = Q DR$	BPD
Approx. Radius of Investigation	$r_i = 4.63 \sqrt{kt}$	ft

EQUATIONS FOR DST GAS WELL ANALYSIS

Indicated Flow Capacity	$kh = \frac{1637 Q_g T}{m}$	md-ft
Average Effective Permeability	$k = \frac{kh}{h}$	md
Skin Factor	$S = 1.151 \left[\frac{m(P^*) - m(P_f)}{m} - \text{LOG} \frac{kt}{\phi \mu c_t r_w^2} + 3.23 \right]$	—
Damage Ratio	$DR = \frac{m(P^*) - m(P_f)}{m(P^*) - m(P_f) - 0.87 mS}$	—
Indicated Flow Rate (Maximum)	$AOF_1 = \frac{Q_g m(P^*)}{m(P^*) - m(P_f)}$	MCFD
Indicated Flow Rate (Minimum)	$AOF_2 = Q_g \sqrt{\frac{m(P^*)}{m(P^*) - m(P_f)}}$	MCFD
Approx. Radius of Investigation	$r_i = 0.032 \sqrt{\frac{kt}{\phi \mu c_t}}$	ft

WELL TESTING REPORT
by
FLOPETROL

FLOPETROL

DIVISION : AUD
BASE : PERTH
REPORT N°: 050283060283

Well Testing Report

Client : AUSTRALIAN AQUITAINE
Field : OMEO Well : #1
Zone : #1 Date : 5.2.83 to 6.2.83

FLOPETROL

Client : AQUITAINE

Section : INDEX

Base : PERTH

Field : OMEO

Well : #1

Page :
Report N°:

INDEX

- 1. TEST PROCEDURE _
- 2. MAIN RESULTS _
- 3. OPERATING AND MEASURING CONDITIONS _
- 4. SURFACE EQUIPMENT DATA _
- 5. WELL COMPLETION DATA _
- 6. SEQUENCE OF EVENTS _
- 7. WELL TESTING DATA _

N° DOP 101

Flopetrol chief operator
Name : K. RUSSELLClient representative
Name : F. JACCUR

- TEST PROCEDURE -D.S.T. #1

- 1) Schlumberger perforated 2918m-2925m and 2932m - 2939m.
- 2) Test String consisting of Halliburton APR-N, APR-M2 valves, packer, Flopetrol E-Z tree and flowhead were R.I.H.
- 3) The packer was set @ 2888.5 metres.
- 4) After pressuring the annulus to open the APR-N valve the well was observed for 210 minutes. There was no flow to surface of liquids.
- 5) A Shut-in period of 825 mins followed, then the well was again opened and observed. The same conditions as in the initial flow were recorded.
- 6) The well was then reversed out with 96 bbls of water cushion and fluid being flowed to the gauge tank followed by regular sampling of the mud and water coming to surface. The salinities showed that the formation had produced water.

FLOPETROL

Client : AQUITAINESection : **2**Base : PERTHField : OMEO

Page : _____

Well : #1

Report N° : _____

MAIN RESULTS

Tested interval : _____ Perforations : 2918m - 2925m, 2932-2939m

OPERATION	DURATION	BOTTOM HOLE PRESSURE	WELL HEAD PRESSURE	OIL PROD. RATE	GAS PROD. RATE	G.O.R
Units	MINS	PSIG	PSIG	-	-	-
Initial open period through bubble hose	210	3531	0	(weak to	medium blow)	
Shut in for build up	825	3983	0	(" "	" ")	
Final open period through bubble hose	50	3660	0	(" "	" ")	
Kill the well	-	-	-	-	-	
N.B. Pressures shown are the last recorded.						

Depth of bottom hole measurements : 9555.34 ft Reference : RTTemperature : 250° F at : 9555.34 ft depth (Maximum recorded)

Separator gas gravity (air : 1) at choke size : _____

STO gravity at choke size : _____

BSW : _____ Water cut : _____

REMARKS AND OTHER OPERATIONS

No flow to surface - water produced into string - sample taken from chamber on surface. Showed gas 18.2 cu. ft. with no liquids. Opening pressure of sample chamber on surface was 2350 psi.

N°: DOP 103

OPERATING AND MEASURING CONDITIONS

A - TYPE OF GAUGE

BOTTOM HOLE :

Pressure : AMERADA RPG-3 0-8000 psiTemperature : AMERADA RT7 100-300° F

WELL HEAD :

Pressure : PRESSURE GAUGE FOXBORO RECORDER, D.W.T.Temperature : GLASS ROD THERMOMETER

SEPARATOR :

Pressure : -) NOT USEDTemperature : -)

B - PRODUCTION RATE CONDITIONS AND SOURCES

OIL PRODUCTION RATE

- Tank Floco
- Meter Rotron
- Dump Rotron
- _____

Reference conditions

- Separator
- Atmospheric pressure 60° F

Shrinkage measurement

- With tank
- With shrinkage tester

GAS PRODUCTION RATE

- Orifice meter
- _____

Standard conditions

WATER PRODUCTION RATE

- Tank
- Meter
- _____

C - WELL DATA

WELL STATE DURING SURVEY : EXPLORATIONWell producing through : 5" tubing / drill pipe / casingMain casing size 9 5/8" set at _____ Total well depth _____

Tubing size _____ set at _____ Packer _____ set at _____

Perforations :

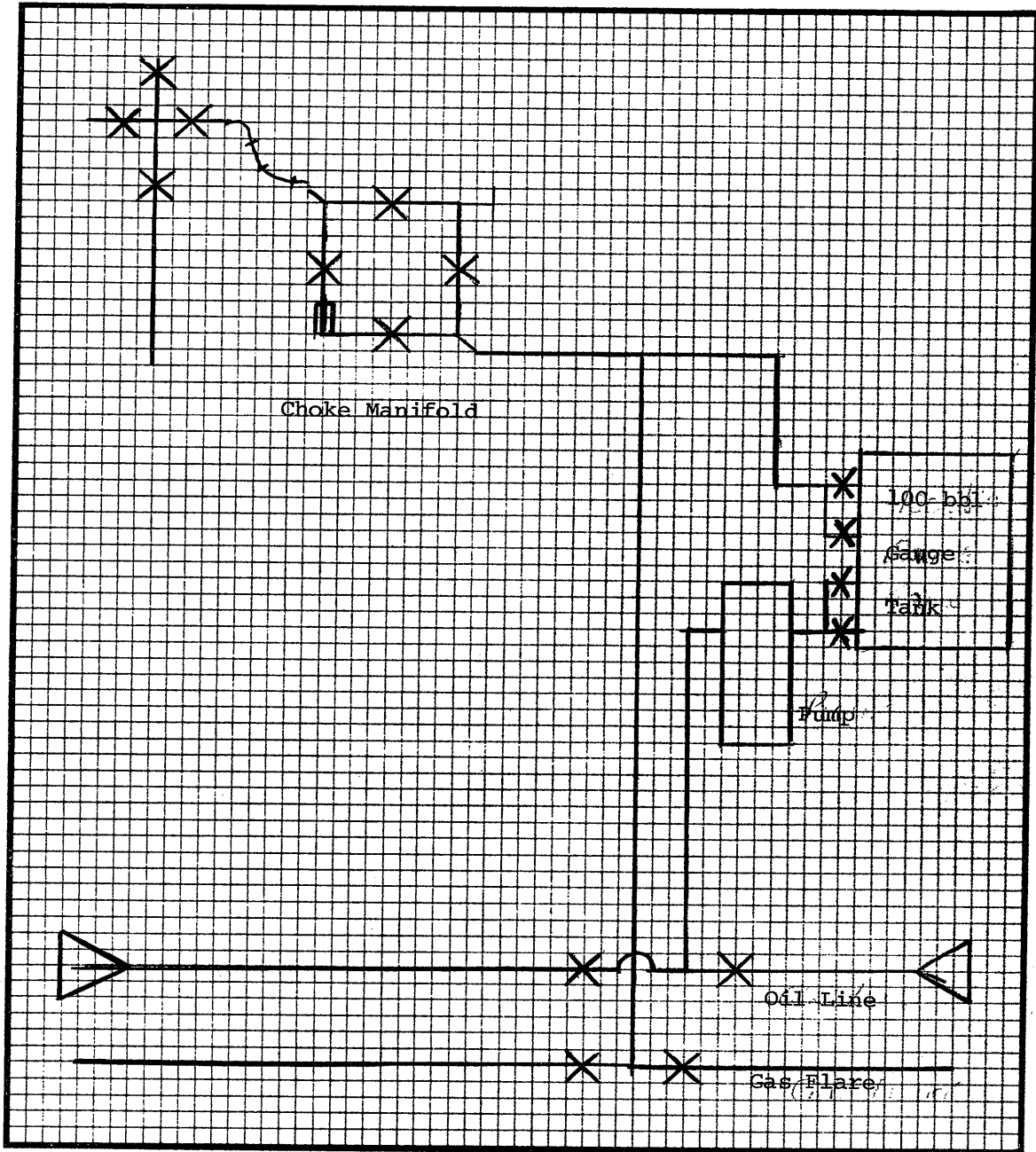
- Zone 1 From 2918M to 2925M From 2932M to 2339M

- Zone _____ From _____ to _____ From _____ to _____

WELL STATE BEFORE TEST :

- Well closed since _____
- Well flowing since _____ Producing zone _____
- Choke size _____

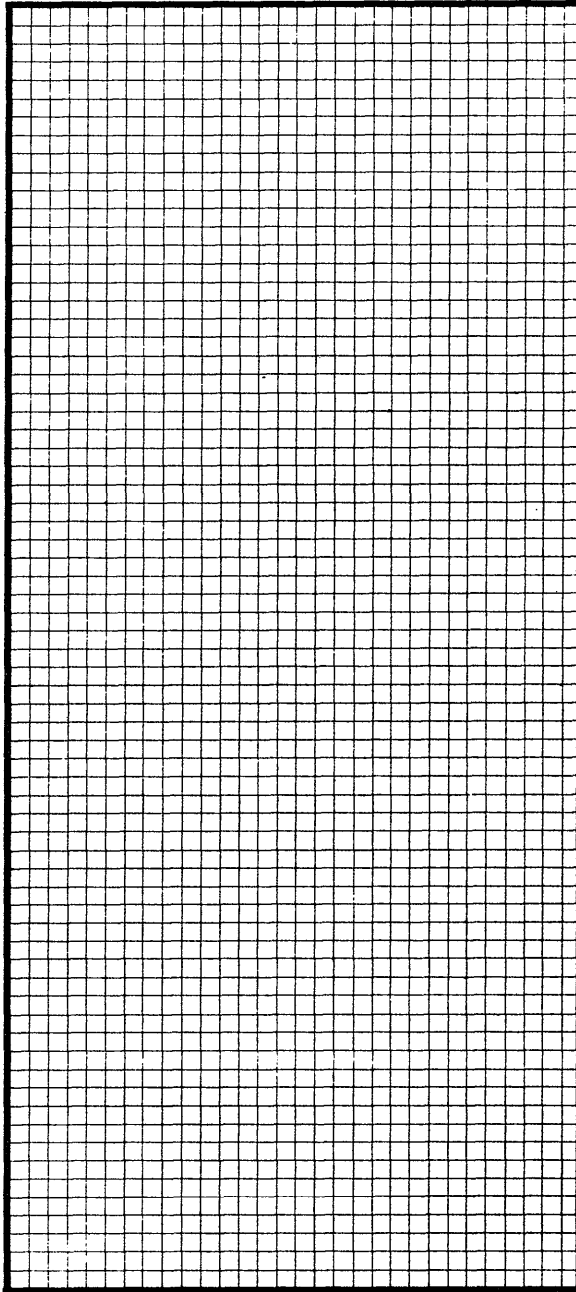
- SURFACE EQUIPMENT LAYOUT -



REMARKS :

N.T.S.

- WELL COMPLETION DATA -



9 5/8 shoe @ 8547'

7" shoe @ 9790'

Top hanger 8193'

Plug back 9710'

APR-M2 @ 9437.5'

APR-N @ 9440.9'

Packer @ 9469'

Gauges @ 9555.34' ...

REMARKS :

Gauges suspended in Halliburton bundle carrier -

Refer to Halliburton report for D.S.T. string configuration.

FLOPETROL

Client : AQUITAINE

Section : 6

Base : PERTH

Field : OMEO

Well : #1

Page : _____

Report N°: _____

- SEQUENCE OF EVENTS -

DATE	TIME	OPERATION
		<u>D.S.T. #1</u>
		Perforations @ 2918-2925 metres, 2932-2939 metres
		Packer set @ 2888.5 metres
		Cushion = 1600 mtrs drill water
3.2.83	1030	Start to pick up E-Z tree for dummy run to check space out.
4.2.83	0300	Start to make up Flowhead to single joint
	0415	Flush rigging up equipment. Rig run in 3½" drill pipe prior to Schlumberger R.I.H. to perforate. Schlumberger perforate
	2050	Ameradas P.E. Nos 18939, (8000 psi) R.E. No 11903, clock 11606 48 hr S.P.L.S. Clock and stylus on.
4.2.83	2052	Amerada P.E. No. 26759N (8000 psi). R.E. No 11648, Clock No E-12677, 72 hrs S.P.L.S. - clock and stylus on.
	2120	Amerada R.T.7 temp gauge No 37067 (100° - 300° F) R.E. No 47577, clock No. 11234 48 hrs S.P.L.S. Clock and stylus on.
	2205	Gauges made up in carrier.
	2225	Gauges R.I.H.

N°: DOP 107

FLOPETROL

Section : **6**

_ SEQUENCE OF EVENTS _ (Continuation)

Page : _____
Report N° : _____

DATE	TIME	OPERATION
5.2.83		
	1215	Pick up E-Z tree
	1255	E-Z tree run in hole Flowhead fitted to test string - start to make up compensator lines.
	1545	Rigging up chiksan lines - start to pressure test surface equipment.
	1808	Start to set packer
	1810	Packer set (3 litres, to right)
	1816	Close 3½" pipe rams
	1825	Pressure annulus to open A.P.R. valve
	1826	Slight blow
	1827	Weak to medium blow
	2000	Still weak to medium blow - attempt to rig up Schlumberger gas meter to record flow rate - Insufficient pressure to turn counter.
	2030	Fill 5 lt bottle of water in 12 seconds from bubble hose with gas
	2100	As 2030 hr in 20 secs.
	2255	Bleed down pressure in annulus - Close appr.
6.2.82	0640	Pressure annulus to open APR valve
	0645	Weak to medium blow
	0730	Pressure annulus to 2250 to function APR-M2, close safety valve and start to reverse out.
	0915	Open Hydraulic bypass, unseat packer, close 5" pipe rams, pressure up to 1000 psi on annulus in attempt to squeeze mud into formation.
	0930	Release pressure, open pipe rams start to P.O.O.H.

N° DOP 108

No.: DOP 109

FLOPETROL

Client : AQUITAINE

Section : **7**

Field : OMBEO

Page Report N°: _____

Base : PERTH

Well : #1

- WELL TESTING DATA SHEET -

DATE - TIME		PRESSURE AND TEMPERATURE MEASUREMENTS			SEPARATOR			PROD. RATES AND FLUID PROPERTIES				GOR	
Time HR. MIN	Cumul MIN	BOTTOM HOLE		WELL HEAD		Temp.	Press.	Rate	OIL OR CONDENSATE		GAS		Units
		Temp.	Pressure	Tg. temp.	Cg. press.				Gravty	Rate	Gravty	Rate	
5.2.83													
							D.S.T. #1						
							Perfs @ 2918 - 2925 mtrs and 2932 - 2939 mtr						
							Packer set @ 2888.5 mtr.						
							Cushion = 1600 mtr drill water						
1825	0						Pressure annulus to open A.P.R. valve						
1826	1						Slight blow						
1827	2						Weak to medium blow						
1828	3						" "						
1829	4						" "						

LIQUID FLOW RATE MEASURING CONDITIONS :

TESTED INTERVAL : _____
 DEPTH REFERENCE : _____
 DEPTH OF B.H. MEASUREMENTS : _____
 R.T.

FLOPETROL

DIVISION : AUD
BASE : PERTH
REPORT N°: 040283060283

Well Testing Report Annexes —

Client : AQUITAINE
Field : OMEO Well : NO 1
Zone : NO 1 Date : 5.2.83 to 6.2.83

INDEX of ANNEXES

- 1 - BOTTOM HOLE PRESSURE AND TEMPERATURE MEASUREMENT -
 - 1.1 - B.H. gauge calibration .
 - 1.2 - B.H. pressure calculation .
 - 1.3 - B.H. temperature calculation .

- 2 - LIQUID PRODUCTION RATE MEASUREMENT -
 - 2.1 - Measurements with tank .
 - 2.2 - Measurements with meter .

- 3 - GAS PRODUCTION RATE MEASUREMENT -

- 4 - SAMPLING SHEETS -
 - 4.1 - Bottom hole sampling .
 - 4.2 - Surface sampling .

- 5 - CHARTS AND MISCELLANEOUS -

Charts given to Aquitaine Representative at end of job.

- 6. Telexed Programme from Aquitaine.

BOTTOM HOLE PRESSURE AND TEMPERATURE MEASUREMENTS**A _ PRESSURE _****a) READING USING CALIBRATED CHART :**

Chart is read using as reference line the base line drawn at atmospheric pressure.

$$P = KY + a + C$$

Y is the deflection for pressure P.

K, a and C (non linearity correction) are obtained from calibration by least square calculation.

b) READING USING REFERENCE LINE METHOD :

Chart is read using as reference line a line drawn at pressure P_R .

$$P = KY + P_{RC} + C$$

Y is the deflection for pressure P read from the reference line.

$P_{RC} = KY_R + a$: calculated pressure for reference line.

P_{RC} , K and C are obtained from calibration data.

B _ TEMPERATURE _

Chart is read from zero at base line.

Bottom hole temperature is read from constructor's calibration tables at the point corresponding to the deflection

Base line is drawn with adjusting knob held against the stop.
Therefore $Y_0 = 0$

Base line is drawn at temperature $T_0 =$ _____
From calibration tables the corresponding deflection $Y_0 =$ _____

C _ GENERAL INFORMATION _

Reference depth : RT

Difference level between the two pressure elements : NIL

(Halliburton Bundle Carrier used)

_ BOTTOM HOLE PRESSURE CALCULATIONS _

 Well producing through ~~casing & tubing~~ / drill pipe

Bottom hole temperature: _____ at depth _____ with _____

INSTRUMENT DATA	LOWER GAUGE NO 1	UPPER GAUGE NO 2
Instrument type :	RPG3 AMERADA	RPG3 AMERADA
Press. element. No. and range:	18939 8000 PSI	26759N 8000 PSI
Recording element. No.:	11903 SPLS	11648 SPLS
Clock. No. and capacity:	11606 48 HRS	12677 72 HRS
CALIBRATION DATA		
Calibration. No. and date:	NO 1 20.1.83	MISS-RUN
Calibration temperature:	220°F	STYLUS DAMAGED
Calibration range:	0 - 8000 PSI	WHEN SETTING
K :	4070.67447	PACKER
a, (calibrated chart) :	-38151709	
PRC, (non calibrated chart) :		

DATE - TIME		Choke size	W.H. pressure	Depth	Y	C *	P	Y	C *	P
Time	Cumul									
HR	MIN	INCH	PSIG	FEET	INCH					
<u>4.2.83</u>				<u>DST NO 1</u>						
2050		Gauge	No 1	clock and stylus on						
2052		Gauge	No 2	clock and stylus on						
2205		Gauges made up in carrier								
2225		Gauges	RIH							
<u>5.2.83</u>										
1810		Set packer								
1816		Close pipe rams								
1825		Pressure annulus to open APR valve								
1825	0	Bubble		hose						
1826	1	"		9555	1.1435		4616			
1827	2	"		"	1.1425		4612			
1828	3	"		"	1.1415		4608			
1829	4	"		"	1.1412		4607			
1830	5	"		"	1.1408		4605			
1835	10	"		"	1.1335		4576			

REMARKS :

* Only used if its value is significant compared to the accuracy of the gauge.

FLOPETROL

Section: ANNEX 1.2

_ B.H. PRESSURE CALCULATIONS (Continuation) _

Page : _____
Report N°: _____

5.2.83				LOWER GAUGE				UPPER GAUGE		
DATE - TIME		Choke size	W.H. pressure	Depth	Y	C *	P	Y	C *	P
Time	Cumul.									
HR MIN	MIN	INCH	PSIG	FEET	INCH		PSIG			
1835	10									
1840	15	Bubble hose		9555	1.1295		4559			
1845	20	"		"	0.7282		2926			
1850	25	"		"	0.7370		2962			
1855	30	"		"	0.7445		2992			
1910	45	"		"	0.7565		3039			
1925	60	"		"	0.7658		3079			
1940	75	"		"	0.7748		3115			
1955	90	"		"	0.7810		3141			
2000	95	"		"	0.7832		3150			
2000		Attempt to flow bubble hose through Schlumberger gas meter - insufficient flow to turn counters								
2030	125	"		"	0.7975		3208			
2100	155	"		"	0.8095		3257			
2200	215	"		"	0.8311		3345			
2255	370	"		"	0.8769		3531			
2255		Bleed annulus to close APR valve								
2255	0	Closed								
2256	1	"		"	0.9000		3625			
2257	2	"		"	0.9054		3647			
2258	3	"		"	0.9087		3661			
2259	4	"		"	0.9105		3668			
2300	5	"		"	0.9148		3685			
2305	10	"		"	0.9223		3716			
2310	15	"		"	0.9267		3734			
2315	20	"		"	0.9311		3752			
2320	25	"		"	0.9342		3764			
2325	30	"		"	0.9357		3770			
2340	45	"		"	0.9423		3797			

No. DOP 116

FLOPETROL

Section: ANNEX 1.2

_ B.H. PRESSURE CALCULATIONS (Continuation) _

Page : _____
Report N°: _____

5.2.83				LOWER GAUGE				UPPER GAUGE		
DATE - TIME		Choke size	W.H. pressure	Depth	Y	C *	P	Y	C *	P
Time	Cumul.									
HR MIN	MIN	INCH	PSIG	FEET	INCH		PSIG			
2340	45									
2355	60	Closed		9555	0.9488		3824			
<u>6.2.83</u>										
0010	75	"		"	0.9542		3846			
0025	90	"		"	0.9600		3869			
0055	120	"		"	0.9628		3881			
0125	150	"		"	0.9753		3932			
0155	180	"		"	0.9720		3918			
0255	240	"		"	0.9762		3974			
0355	300	"		"	0.9794		3948			
0455	360	"		"	0.9828		3962			
0555	420	"		"	0.9868		3978			
0640	455	"		"	0.9880		3983			
0640		Pressure annulus to open APR-N								
0640	0	Bubble hose		9555						
0645	5	"		"	0.8885		3578			
0700	20	"		"	0.8955		3607			
0715	35	"		"	0.9041		3642			
0730	50	"		"	0.9085		3660			
0730		Pressure annulus to 2250 to function APR-M2								
		and start reverse cut								
1710		Gauge on surface								
1730		Clock and stylus off								
		Maximum pressure on chart = reverse out at 1.3330 = 5388								
		END OF DST NO 1								

No. DOP 116

_ BOTTOM HOLE TEMPERATURE CALCULATIONS _

INSTRUMENT DATA

Temperature element No. 37067 Manufacturer _____ Range 100-300°F
 Recording element No. 47577 Clock No. 11234 Range 48 hrs

SPLS

DATE - TIME		Choke size	Depth	W.H. temp.	Y	Y + Yo	T	Remarks
Time	Cumul							
HR MIN	MIN	INCH	FEET	°F	INCH		°F	Units
					DST NO 1			
<u>4.2.83</u>								
2120	0	RT7						Clock and stylus on - spike made
2205	45	Gauges						made up in carrier
2225	65	Gauges						RIH
<u>5.2.83</u>								
1810		Set packer						
1816		Close pipe rams						
1825		Pressure annulus to						open APR valve
1825	0	Bubble hose	9555	AMB	1.0582		245	
1826	1	"	"	"	1.0489		244	Slight blow
1827	2	"	"	"	1.0478		244	
1828	3	"	"	"	1.0468		244	
1829	4	"	"	"	1.0467		244	
1830	5	"	"	"	1.0467		244	
1835	10	"	"	"	1.0481		244	
1840	15	"	"	"	1.0502		244	
1845	20	"	"	"	1.0555		244	
1850	25	"	"	"	1.0612		245	
1855	30	"	"	"	1.0670		245	
1910	45	"	"	"	1.0900		247	
1925	60	"	"	"	1.1115		249	
1940	75	"	"	"	1.1225		250	Maximum recorded
1955	90	"	"	"	1.1282		250	
2000	95	"	"	"	1.1295		250	

No : DOP 117

FLOPETROL

Section: ANNEX 1.3

_B.H. TEMPERATURE CALCULATIONS (Continuation) _

Page : _____
Report N°: _____

DATE - TIME		Choke size	Depth	W.H. temp.	Y	Y + Yo	T	Remarks
Time	Cumul							
HR MIN	MIN	INCH	FEET	°F	INCH		°F	Units
2000	95							
2000		Attempt to flow bubble hose through Schlumberger gas meter -						
		insufficient flow to turn counters						
2030	125	Bubble hose	9555		1.1338		250	Fill 5 lt bottle (12)
2100	155	"	"		1.1338		250	Fill 5 lt bottle (20)
2200	215	"	"		1.1284		250	
2255	370	"	"		1.1110		249	
2255		Bleed annulus to close APR						
2255	0	Closed	9555					
2256	1	"	"		1.1109		249	
2257	2	"	"		1.1109		249	
2258	3	"	"		1.1109		249	
2259	4	"	"		1.1110		249	
2300	5	"	"		1.1110		249	
2305	10	"	"		1.1110		249	
2310	15	"	"		1.1110		249	
2315	20	"	"		1.1082		249	
2320	25	"	"		1.1082		249	
2325	30	"	"		1.1070		248	
2340	45	"	"		1.1051		248	
2355	60	"	"		1.1040		248	
<u>6.2.83</u>								
0010	75	"	"		1.1025		248	
0025	90	"	"		1.1015		248	
0055	120	"	"		1.0991		248	
0125	150	"	"		1.0979		248	
0155	180	"	"		1.0971		248	
0255	240	"	"		1.0965		248	
0355	300	"	"		1.0944		247	
0455	360	"	"		1.0932		247	

No. : DOP 118

