

APPENDIX 4

EAST MEREEENIE NO. 10

DRILL STEM TEST RESULTS

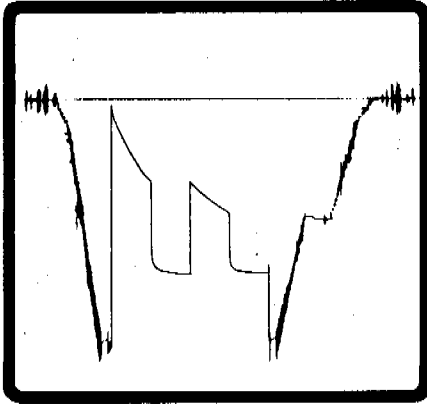
D.S.T. No. 1	4629.7	to	4714	feet
D.S.T. No. 2	4965.9	to	5005	feet
D.S.T. No. 3	4900.31	to	4925.45	feet

OILMIN N.L.

DRILL STEM TEST REPORT

Report No. 1Well EAST MEREENIE NO. 10 Elevation K.B. 2291 Elevation G.L. 2271 Date 10/11/82Test No. 1 Interval 4629.7 to 4714 Operator HALLIBURTONTester Size & Type HYDROSPRING 5" Packer Size & Type 6-3/4" OPEN HOLEAnchor Length & O.D. 17' + 62' COLLARS Drill collar footage above Packer 466.96Capacity Bbls/ft. Drill Pipe .01422 BBLS/FT. Collars .0049 BBLS/FT.Pressure Recorders Type BORDEN Position BOTTOM Depth 4711Type BORDEN Position TOP Depth 4609.81Perforated Anchor from 4697 to 4714Choke Size: Top 1/2" Bottom 3/4" Water Cushion NIL Mud Wt. 8.7 Vis. 41Hole Size 7-7/8 to 3163 Rat hole size _____ to _____Mud Level: Before valve opened ANNULUS FULL After valve opened FULLTime Record: Started clocks at 2400 Hrs. Started in hole at 0215 Hrs.Opened Valve at 0608 Hrs. Shut in at 0618 Hrs. Opened at 0652 Hrs. Shut in at 0822 Hrs.Pulled Packer at 1033 Hrs. Out of hole at _____ Hrs. Recovered chart at _____ Hrs.Nature of Blow STRONG, IMMEDIATE. GAS TO SURFACE 4 MINUTESFluid flow (details) NO FLUID TO SURFACE.Recovery GAS 3.02 MMcf. LIQUID HYDROCARBONS ESTIMATED 6-1/2 BBLs IN DRILL PIPE 58 API @ 84°F TOP SAMPLE. 53.5 API @ 73°F BOTTOM SAMPLE.Pressures I.H.P. 2211.4 psig IFP 491.3 psig ISIP 2108.3 psig FFP 699 psig FSIP 2108.3 psig
F.H.P. 2228.6 psigElapsed Times: Initial flow 10 mins. Initial Shut in 34 mins.Final flow 90 mins. Final Shut in 131 mins.Maximum Temperature 130°F Samples Taken 2 GAS SAMPLES - 1 LIQUID HYDROCARBON SAMPLERemarks FROM DRILL PIPE AND 1 SAMPLE ABOVE HYDROSPRING. GAS MEASURED THROUGH 2-3/8" FLARE LINE USING 1-1/4" ORIFICE, CALCULATED ON FORMULA Q = CP \sqrt{GT}

FORMATION TESTING SERVICE REPORT



Duncan, Oklahoma 73536



A Halliburton Company

NOMENCLATURE

B	= Formation Volume Factor (Res Vol / Std Vol)	—
C_t	= System Total Compressibility	(Vol / Vol) / psi
DR	= Damage Ratio	—
h	= Estimated Net Pay Thickness	Ft
k	= Permeability	md
m	{ = (Liquid) Slope Extrapolated Pressure Plot	psi/cycle
		(Gas) Slope Extrapolated m(P) Plot
		MM psi ² /cp/cycle
m(P*)	= Real Gas Potential at P*	MM psi ² /cp
m(P _f)	= Real Gas Potential at P _f	MM psi ² /cp
AOF ₁	= Maximum Indicated Absolute Open Flow at Test Conditions	MCFD
AOF ₂	= Minimum Indicated Absolute Open Flow at Test Conditions ..	MCFD
P*	= Extrapolated Static Pressure	Psig
P _f	= Final Flow Pressure	Psig
Q	= Liquid Production Rate During Test	BPD
Q ₁	= Theoretical Liquid Production w/ Damage Removed	BPD
Q _g	= Measured Gas Production Rate	MCFD
r _i	= Approximate Radius of Investigation	Ft
r _w	= Radius of Well Bore	Ft
S	= Skin Factor	
t	= Total Flow Time Previous to Closed-in	Minutes
Δt	= Closed-in Time at Data Point	Minutes
T	= Temperature Rankine	°R
φ	= Porosity	—
μ	= Viscosity of Gas or Liquid	cp
Log	= Common Log	

EQUIPMENT & HOLE DATA

FORMATION TESTED: LOWER STAIRWAY
 NET PAY (ft): _____
 GROSS TESTED FOOTAGE: 84.3
 ALL DEPTHS MEASURED FROM: KELLY BUSHING
 CASING PERFS. (ft): _____
 HOLE OR CASING SIZE (in): 7.875
 ELEVATION (ft): 2291
 TOTAL DEPTH (ft): 4714.0
 PACKER DEPTH(S) (ft): 4624, 4630
 FINAL SURFACE CHOKE (in): 0.500
 BOTTOM HOLE CHOKE (in): 0.750
 MUD WEIGHT (lb/gal): 8.70
 MUD VISCOSITY (sec): 41
 ESTIMATED HOLE TEMP. (°F): _____
 ACTUAL HOLE TEMP. (°F): 130 @ 4709.9 ft

TICKET NUMBER: 19736100

DATE: 11-10-82 TEST NO: 1

TYPE DST: OPEN HOLE

HALLIBURTON CAMP:
ADELAIDE

TESTER: VANCE BLATT

WITNESS: MR. LAWSON

DRILLING CONTRACTOR:
MEREENIE #1

FLUID PROPERTIES FOR RECOVERED MUD & WATER

SOURCE	RESISTIVITY	CHLORIDES
DRILL PIPE	58.000 @ 84 °F	_____ ppm
_____	_____ °F	_____ ppm
_____	_____ °F	_____ ppm
_____	_____ °F	_____ ppm
_____	_____ °F	_____ ppm
_____	_____ °F	_____ ppm

SAMPLER DATA

Pstg AT SURFACE: _____
 cu.ft. OF GAS: _____
 cc OF OIL: _____
 cc OF WATER: _____
 cc OF MUD: _____
 TOTAL LIQUID cc: _____

HYDROCARBON PROPERTIES

OIL GRAVITY (°API): 55.6 @ 60°F
 GAS/OIL RATIO (cu.ft. per bbl): _____
 GAS GRAVITY: 0.650

CUSHION DATA

TYPE AMOUNT WEIGHT

RECOVERED:

RECOVERED 3 MMCF OF GAS AND 6.5 BBLs. OF OIL FROM
 DRILL PIPE.

MEASURED FROM
 TESTER VALVE

REMARKS:

WELL STARTED TO FLOW WHEN RIG WAS COMING OUT OF HOLE...WEIGHTED UP DRILL
 MUD AND REVERSED OUT THE LONG WAY (ALSO HAD TO WAIT ON DAYLIGHT).

LEGAL LOCATION: 24 DEGREE, 04', 39.3"S - 131 DEGREES, 41', 15.7" E.

GAUGE NO: 7983 DEPTH: 4711.0 BLANKED OFF: YES HOUR OF CLOCK: 24

ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
A	INITIAL HYDROSTATIC	2211	2210.5			
B	INITIAL FIRST FLOW	491	534.6	10.0	10.5	F
C	FINAL FIRST FLOW	699	695.5			
C	INITIAL FIRST CLOSED-IN	699	695.5	35.0	32.5	C
D	FINAL FIRST CLOSED-IN	2108	2118.6			
E	INITIAL SECOND FLOW	526	545.5	90.0	92.0	F
F	FINAL SECOND FLOW	734	740.5			
F	INITIAL SECOND CLOSED-IN	734	740.5	133.0	120.3	C
G	FINAL SECOND CLOSED-IN	2108	2112.7			
H	HYD. AFTER REVERSING	2229	2226.1			

GAUGE NO: 7984 DEPTH: 4609.8 BLANKED OFF: NO HOUR OF CLOCK: 24

ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
A	INITIAL HYDROSTATIC	2149	2157.3			
B	INITIAL FIRST FLOW	455	487.9	10.0	10.5	F
C	FINAL FIRST FLOW	676	685.2			
C	INITIAL FIRST CLOSED-IN	676	685.2	35.0	32.5	C
D	FINAL FIRST CLOSED-IN	2090	2098.1			
E	INITIAL SECOND FLOW	490	507.4	90.0	92.0	F
F	FINAL SECOND FLOW	728	718.8			
F	INITIAL SECOND CLOSED-IN	728	718.8	133.0	120.3	C
G	FINAL SECOND CLOSED-IN	2080	2095.5			
H	HYD. AFTER REVERSING	2218	2176.0			



TICKET NO. 19736100
04-JAN-83
ADELAIDE

FORMATION TESTING SERVICE REPORT

LEASE NAME		WELL NO.		TEST NO.		TESTED INTERVAL		LEASE OWNER/COMPANY NAME	
EAST MERENIE		10		1		4630.' - 4714.'		OILMIN GROUP	
LEGAL LOCATION		SEE REMARKS		FIELD AREA		COUNTY		STATE	
SEC. - TWP. - RNG.						NORTH TERRITORY		AUSTRALIA	
								SMS	

TYPE & SIZE MEASURING DEVICE: CHOKE NIPPLE					TICKET NO: 19736100
TIME	CHOKE SIZE	SURFACE PRESSURE PSI	GAS RATE MCF	LIQUID RATE BPD	REMARKS
11-9-82					LOADED CLOCKS
11-10-82					
0100					PICKED UP TOOLS AND STARTED
					MAKING UP.
0215					STARTED TOOLS IN HOLE.
0535					MADE UP HEAD AND MANIFOLD.
0605					TAGGED BOTTOM
0608	.5				TOOL OPENED-ANNULUS GOOD
0609	.5	75			STRONG BLOW
0610	.5	150			STRONG BLOW
0611	.5	250			STRONG BLOW
0612	.5	300			GAS TO THE SURFACE
0614	.5				STRONG BLOW, GAS TO THE
					SURFACE- CHANGED GAUGE.
0618	.5	400			CLOSED DCIP.
0652	.5				TOOL OPENED WITH STRONG BLOW.
0655	.5	250			STRONG BLOW, CONDENSATE TO
					THE SURFACE.
0657	.5	300			STRONG BLOW, CONDENSATE TO
					THE SURFACE
0659	.5	340			STRONG BLOW - CONDENSATE
0705	.5	315			STRONG BLOW - CONDENSATE
0710	.5	310			STRONG BLOW - CONDENSATE
0715	.5	310			STRONG BLOW - CONDENSATE
0720	.5	305			STRONG BLOW - CONDENSATE
0725	.5	300			STRONG BLOW - CONDENSATE
0730	.5	300			STRONG BLOW - CONDENSATE
0735	.5	300			STRONG BLOW - CONDENSATE
0740	.5	300			STRONG BLOW - CONDENSATE
0745	.5	290			STRONG BLOW - CONDENSATE
0750	.5	290			STRONG BLOW - CONDENSATE
0800	.5	290			STRONG BLOW - CONDENSATE
0815	.5	290			STRONG BLOW - CONDENSATE
0822	.5	290			CLOSED TOOL
1033					OPENED BYPASS TO REVERSE
11-11-82					
0410					TOOL OUT OF HOLE.

TICKET NO: 19736100

CLOCK NO: 26218 HOUR: 24



HALLIBURTON

SERVICES

GAUGE NO: 7984

DEPTH: 4609.8

REF	MINUTES	PRESSURE	AP	$\frac{t \times \Delta t}{t + \Delta t}$	$\log \frac{t + \Delta t}{\Delta t}$	REF	MINUTES	PRESSURE	AP	$\frac{t \times \Delta t}{t + \Delta t}$	$\log \frac{t + \Delta t}{\Delta t}$
FIRST FLOW						SECOND FLOW - CONTINUED					
B	1	0.0	487.9			18	85.0	722.8	-1.9		
	2	2.0	472.7	-15.2		F 19	92.0	718.8	-4.0		
	3	4.0	551.9	79.2		SECOND CLOSED-IN					
	4	6.0	629.1	77.2		F	1	0.0	718.8		
	5	8.0	659.0	29.8			2	1.0	1829.8	1111.0	1.0 2.014
C	6	10.5	685.2	26.2			3	2.0	2004.5	1285.7	2.0 1.711
FIRST CLOSED-IN							4	3.0	2031.5	1312.7	2.9 1.545
C	1	0.0	685.2				5	4.0	2042.9	1324.1	3.9 1.425
	2	1.0	2028.0	1342.9	0.9 1.067		6	5.0	2049.8	1331.0	4.8 1.332
	3	2.0	2052.8	1367.6	1.7 0.791		7	6.0	2054.2	1335.4	5.7 1.259
	4	3.0	2067.3	1382.1	2.3 0.652		8	7.0	2057.6	1338.8	6.5 1.197
	5	4.0	2074.2	1389.0	2.9 0.560		9	8.0	2061.6	1342.8	7.4 1.141
	6	5.0	2079.8	1394.6	3.4 0.491		10	9.0	2063.8	1345.0	8.3 1.091
	7	6.0	2082.9	1397.7	3.8 0.440		11	10.0	2066.3	1347.5	9.2 1.049
	8	7.0	2085.3	1400.1	4.2 0.397		12	12.0	2069.4	1350.6	10.7 0.980
	9	8.0	2087.2	1402.0	4.6 0.364		13	14.0	2071.8	1353.0	12.3 0.920
	10	9.0	2088.2	1403.1	4.9 0.336		14	16.0	2073.7	1354.9	13.8 0.870
	11	10.0	2089.6	1404.4	5.1 0.313		15	18.0	2075.6	1356.8	15.3 0.826
	12	12.0	2092.0	1406.9	5.6 0.274		16	20.0	2077.7	1358.9	16.7 0.788
	13	14.0	2093.1	1407.9	6.0 0.244		17	22.0	2078.4	1359.6	18.1 0.753
	14	16.0	2094.3	1409.1	6.3 0.220		18	24.0	2079.9	1361.1	19.4 0.722
	15	18.0	2095.0	1409.8	6.6 0.200		19	26.0	2081.8	1363.0	20.7 0.694
	16	20.0	2095.7	1410.5	6.9 0.184		20	28.0	2081.8	1363.0	22.0 0.669
	17	22.0	2096.4	1411.2	7.1 0.170		21	30.0	2082.9	1364.1	23.2 0.645
	18	24.0	2097.1	1411.9	7.3 0.158		22	35.0	2084.9	1366.2	26.1 0.594
	19	26.0	2097.8	1412.6	7.5 0.148		23	40.0	2086.3	1367.5	28.8 0.552
	20	28.0	2097.8	1412.6	7.6 0.139		24	45.0	2087.4	1368.6	31.3 0.516
D	21	32.5	2098.1	1412.9	7.9 0.122		25	50.0	2088.8	1370.0	33.6 0.484
SECOND FLOW							26	55.0	2089.6	1370.8	35.8 0.457
E	1	0.0	507.4				27	60.0	2090.0	1371.2	37.8 0.433
	2	5.0	611.2	103.8			28	70.0	2091.7	1372.9	41.6 0.392
	3	10.0	740.2	129.0			29	80.0	2092.9	1374.1	44.9 0.358
	4	15.0	784.3	44.1			30	90.0	2094.6	1375.8	47.9 0.330
	5	20.0	784.3	0.0			31	100.0	2095.0	1376.2	50.6 0.306
	6	25.0	770.0	-14.3			32	110.0	2095.5	1376.7	53.1 0.286
	7	30.0	758.4	-11.6		G	33	120.3	2095.5	1376.7	55.3 0.268
	8	35.0	757.2	-1.2							
	9	40.0	753.3	-4.0							
	10	45.0	747.4	-5.9							
	11	50.0	741.6	-5.9							
	12	55.0	737.8	-3.8							
	13	60.0	734.3	-3.4							
	14	65.0	731.9	-2.4							
	15	70.0	729.1	-2.8							
	16	75.0	727.1	-2.1							
	17	80.0	724.7	-2.4							

REMARKS:

TICKET NO: 19736100

CLOCK NO: 7273 HOUR: 24





















GAUGE NO: 7983

DEPTH: 4711.0

REF	MINUTES	PRESSURE	AP	$\frac{1 \times \Delta t}{1 + \Delta t}$	$\log \frac{1 + \Delta t}{\Delta t}$
FIRST FLOW					
B 1	0.0	534.6			
2	2.0	519.0	-15.6		
3	4.0	558.0	38.9		
4	6.0	641.2	83.2		
5	8.0	668.3	27.2		
C 6	10.5	695.5	27.2		
FIRST CLOSED-IN					
C 1	0.0	695.5			
2	1.0	2047.1	1351.6	0.9	1.046
3	2.0	2072.2	1376.7	1.7	0.798
4	3.0	2083.7	1388.2	2.3	0.657
5	4.0	2091.8	1396.3	2.9	0.559
6	5.0	2096.7	1401.2	3.4	0.494
7	6.0	2100.2	1404.7	3.8	0.441
8	7.0	2103.1	1407.6	4.2	0.398
9	8.0	2105.3	1409.8	4.6	0.364
10	9.0	2107.2	1411.7	4.9	0.335
11	10.0	2108.4	1412.9	5.1	0.312
12	12.0	2110.8	1415.3	5.6	0.273
13	14.0	2112.5	1417.0	6.0	0.244
14	16.0	2114.1	1418.6	6.3	0.220
15	18.0	2115.6	1420.1	6.6	0.200
16	20.0	2115.6	1420.1	6.9	0.184
17	22.0	2116.3	1420.8	7.1	0.170
18	24.0	2116.3	1420.8	7.3	0.158
19	26.0	2117.7	1422.2	7.5	0.148
20	28.0	2117.7	1422.2	7.6	0.139
D 21	32.5	2118.6	1423.1	7.9	0.122
SECOND FLOW					
E 1	0.0	545.5			
2	5.0	606.4	60.9		
3	10.0	743.9	137.5		
4	15.0	797.2	53.3		
5	20.0	805.4	8.1		
6	25.0	797.1	-8.3		
7	30.0	783.7	-13.3		
8	35.0	780.3	-3.5		
9	40.0	775.8	-4.5		
10	45.0	770.4	-5.4		
11	50.0	764.5	-5.9		
12	55.0	759.5	-5.0		
13	60.0	755.4	-4.2		
14	65.0	751.7	-3.6		
15	70.0	749.3	-2.4		
16	75.0	746.4	-2.9		
17	80.0	743.9	-2.4		

REF	MINUTES	PRESSURE	AP	$\frac{1 \times \Delta t}{1 + \Delta t}$	$\log \frac{1 + \Delta t}{\Delta t}$
SECOND FLOW - CONTINUED					
18	85.0	742.2	-1.7		
F 19	92.0	740.5	-1.7		
SECOND CLOSED-IN					
F 1	0.0	740.5			
2	1.0	1966.4	1226.0	1.0	1.998
3	2.0	2028.9	1288.4	2.0	1.720
4	3.0	2046.0	1305.6	2.9	1.550
5	4.0	2056.9	1316.4	3.9	1.424
6	5.0	2063.6	1323.1	4.8	1.333
7	6.0	2067.9	1327.4	5.6	1.259
8	7.0	2071.8	1331.3	6.5	1.197
9	8.0	2075.6	1335.1	7.4	1.142
10	9.0	2078.5	1338.0	8.3	1.094
11	10.0	2080.8	1340.3	9.1	1.052
12	12.0	2084.2	1343.7	10.8	0.979
13	14.0	2087.6	1347.1	12.3	0.920
14	16.0	2090.0	1349.6	13.8	0.870
15	18.0	2092.1	1351.6	15.3	0.825
16	20.0	2094.3	1353.8	16.7	0.788
17	22.0	2096.2	1355.7	18.1	0.753
18	24.0	2097.6	1357.1	19.4	0.722
19	26.0	2099.5	1359.0	20.7	0.694
20	28.0	2099.7	1359.2	22.0	0.668
21	30.0	2100.7	1360.2	23.2	0.645
22	35.0	2102.4	1361.9	26.1	0.594
23	40.0	2103.8	1363.3	28.8	0.551
24	45.0	2105.2	1364.7	31.3	0.516
25	50.0	2106.9	1366.4	33.6	0.484
26	55.0	2107.4	1366.9	35.8	0.457
27	60.0	2108.1	1367.6	37.8	0.433
28	70.0	2109.1	1368.6	41.6	0.392
29	80.0	2110.3	1369.8	44.9	0.358
30	90.0	2110.7	1370.2	47.9	0.330
31	100.0	2111.5	1371.0	50.6	0.308
32	110.0	2112.4	1371.9	53.1	0.286
G 33	120.3	2112.7	1372.2	55.3	0.268

REMARKS:

		O.D.	I.D.	LENGTH	DEPTH	
1		DRILL PIPE.....	4.500	3.826	3926.5	
4		FLEX WEIGHT.....	4.500	2.750	183.0	
3		DRILL COLLARS.....	6.500	2.310	467.0	
50		IMPACT REVERSING SUB.....	5.250	3.000	1.0	4566.0
3		DRILL COLLARS.....	6.500	2.310	31.0	
5		CROSSOVER.....	6.250	3.750	1.0	
12		DUAL CIP VALVE.....	5.000	0.870	4.9	
60		HYDROSPRING TESTER.....	5.000	0.750	5.3	4608.7
80		AP RUNNING CASE.....	5.000	2.250	4.1	4609.8
15		JAR.....	5.000	1.750	5.0	
16		VR SAFETY JOINT.....	5.000	1.000	2.8	
70		OPEN HOLE PACKER.....	6.750	1.530	5.8	4623.9
70		OPEN HOLE PACKER.....	6.750	1.530	5.8	4629.7
5		CROSSOVER.....	5.750	2.375	1.0	
5		CROSSOVER.....	6.500	2.310	62.0	
5		CROSSOVER.....	6.000	2.125	0.7	
20		FLUSH JOINT ANCHOR.....	5.000	2.370	13.0	
22		BLANK ANCHOR.....	5.000		4.1	
TOTAL DEPTH					4714.0	

EQUIPMENT DATA

SUMMARY OF RESERVOIR PARAMETERS USING HORNER METHOD

GAS GRAVITY 0.650 TEMPERATURE 130.0 °F
 NET PAY 0.0 ft POROSITY 10.0 %
 RADIUS OF WELL BORE 0.328 ft VISCOSITY 0.017 cp
 GAS DEVIATION FACTOR 0.816 GAS PROPERTIES AT 2122.9 Pstg
 SYSTEM COMPRESSIBILITY 0.00054116 vol/vol/psl

GAUGE NUMBER	7984	7983					
GAUGE DEPTH	4609.8	4711.0					
FLOW AND CIP PERIOD	2	2					UNITS
FINAL FLOW PRESSURE	718.8	740.5					Pstg
TOTAL FLOW TIME	102.5	102.5					min
CALC. STATIC PRESSURE P*	2105.0	2123.5					Pstg
EXTRAPOLATED PRESSURE m(P*)	358.1	363.7					$\frac{\text{mmps}^2}{\text{cp}}$
ONE CYCLE PRESSURE m(P ₁₀)	347.6	352.7					$\frac{\text{mmps}^2}{\text{cp}}$
PRODUCTION RATE Q	1832.6	1832.6					MCFD
FLOW CAPACITY kh	168.573	160.759					md-ft
PERMEABILITY k	1.99969	1.90699					md
SKIN FACTOR S	29.2	28.0					
DAMAGE RATIO DR	6.95	6.73					
INDICATED RATE MAX AOF ₁	2103.5	2116.4					MCFD
INDICATED RATE MIN AOF ₂	1963.4	1969.4					MCFD
THEORETICAL RATE DR×AOF ₁	14629.6	14233.3					MCFD
THEORETICAL RATE DR×AOF ₂	13655.3	13244.8					MCFD
RADIUS OF INVESTIGATION r _i	61.6	60.1					ft

REMARKS:

THE GAS RATE USED AS BASIS OF ANALYSIS WAS CALCULATED USING A PRESSURE DROP OF 290 PSI ACROSS A 1/2" POSITIVE CHOKE. THE GAS GRAVITY AND FLOWING TEMPERATURE WAS ESTIMATED TO BE .65 AND 80 DEGREES F. RESPECTIVELY. THE ABOVE REFERENCED GAS CALCULATION ASSUMES DRY GAS IS BEING MEASURED THROUGH THE CHOKE. IF THE WELL WAS NOT FLOWED THROUGH A SEPARATOR TO REMOVE THE LIQUIDS FROM THE FLOW STREAM, THE CALCULATED GAS RATE MAY BE SIGNIFICANTLY HIGHER THAN THE ACTUAL FLOW RATE.

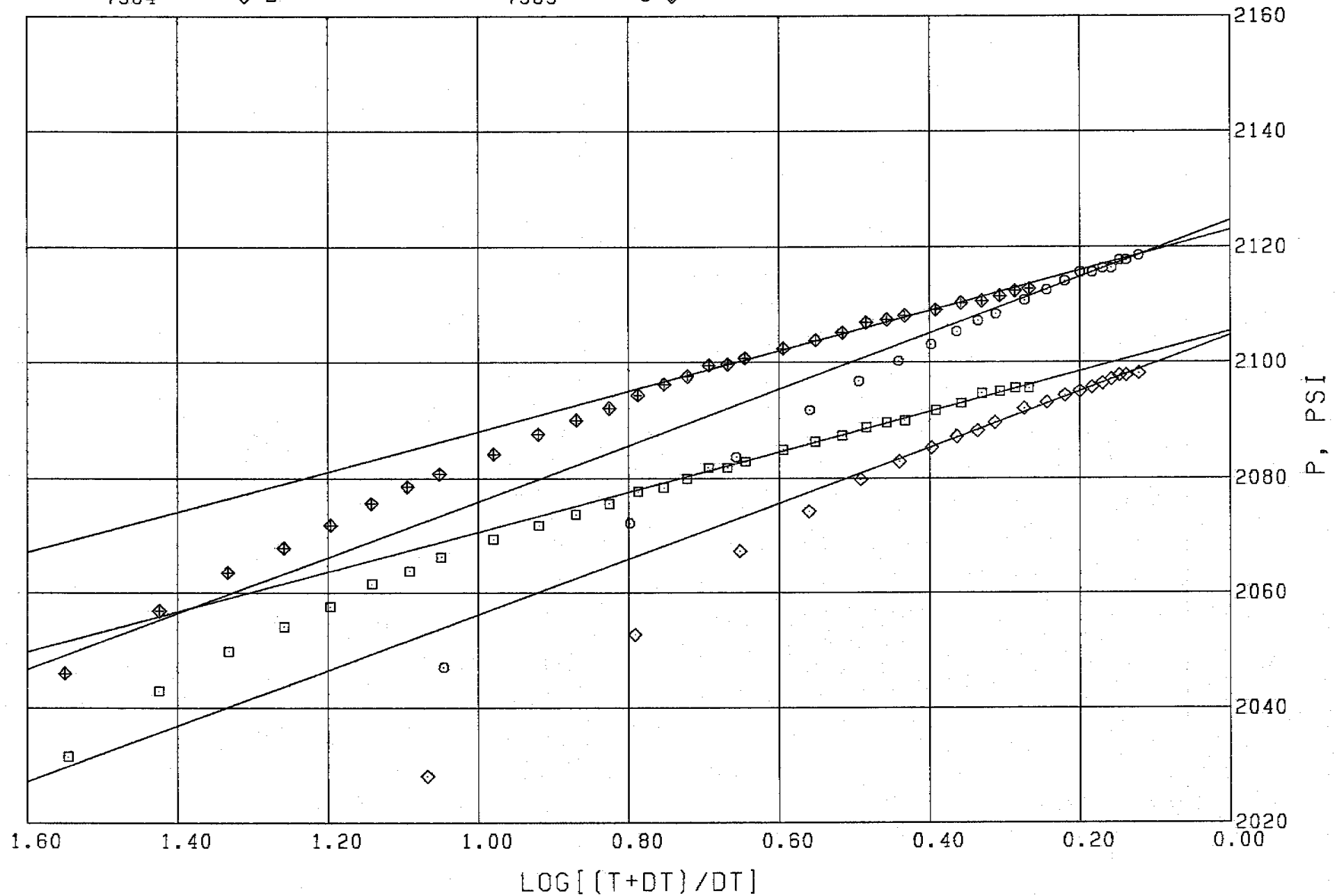
NOTICE:

THESE CALCULATIONS ARE BASED UPON INFORMATION FURNISHED BY YOU AND TAKEN FROM DRILL STEM PRESSURE CHARTS, AND ARE FURNISHED YOU FOR YOUR INFORMATION. IN FURNISHING SUCH CALCULATIONS AND EVALUATIONS BASED THEREON, HALLIBURTON IS MERELY EXPRESSING ITS OPINION. YOU AGREE THAT HALLIBURTON MAKES NO WARRANTY EXPRESS OR IMPLIED AS TO THE ACCURACY OF SUCH CALCULATIONS OR OPINIONS, AND THAT HALLIBURTON SHALL NOT BE LIABLE FOR ANY LOSS OR DAMAGE, WHETHER DUE TO NEGLIGENCE OR OTHERWISE, IN CONNECTION WITH SUCH OPINIONS.

TICKET NO 19736100

GAUGE NO CIP 1 2
7984 ◇ □

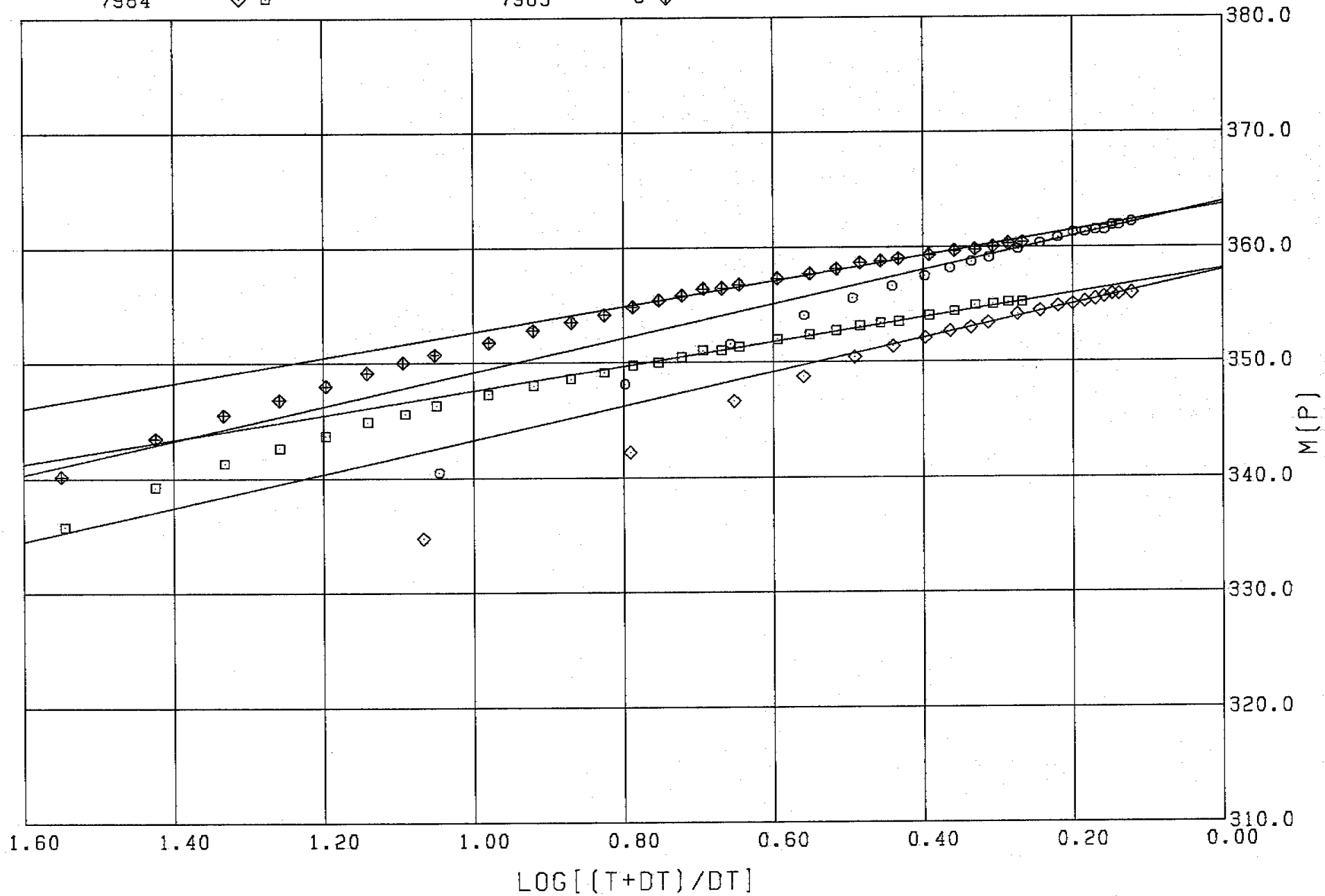
GAUGE NO CIP 1 2
7983 ○ ◇



TICKET NO 19736100

GAUGE NO 7984 CIP 1 2
◇ □

GAUGE NO 7983 CIP 1 2
○ ◇



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

DRILL STEM TEST REPORT

Report No. 2Well EAST MEREENIE NO.10 Elevation K.B. 2291 Elevation G.L. 2271 Date 14/11/82Test No. 2 Interval 4965.9 TO 5005 Operator HALLIBURTONTester Size & Type HYDROSPRING 5" Packer Size & Type 6-3/4" OPEN HOLEAnchor Length & O.D. 37' 5" Drill collar footage above Packer 560Capacity Bbls/ft. Drill Pipe 0.01422 BBLs/FT. Collars .0049Pressure Recorders Type BORDEN Position BOTTOM Depth 5002Type BORDEN Position TOP Depth 4945.5Perforated Anchor from 4967.9 to 5005Choke Size: Top 1/2" Bottom 3/4" Water Cushion NIL Mud Wt. 9.3 Vis. 48Hole Size 7-7/8 to 4983 Rat hole size 7-27/32 to 5005Mud Level: Before valve opened ANNULUS FULL After valve opened FULLTime Record: Started clocks at 0905 Hrs. Started in hole at 1045 Hrs.Opened Valve at 1351 Hrs. Shut in at 1356 Hrs. Opened at 1424 Hrs. Shut in at 1554 Hrs.

Pulled Packer at _____ Hrs. Out of hole at _____ Hrs. Recovered chart at _____ Hrs.

Nature of Blow INITIAL GOOD BUBBLE BECOMING STRONG. 2ND FLOW WEAK BUBBLE GRADUALLY INCREASED TO STRONG THEN WEAKENED TO ZERO. NO GAS TO SURFACE.Fluid flow (details) NO FLOW TO SURFACE.Recovery 300ml WATER FROM BETWEEN DCIP AND HYDROSPRING - TESTED AT APPROX. 33,000ppmCHLORIDE, 55,000 NaCl, DRILLING MUD AND WATER 4.7 BBLs.Pressures I.H.P. 2564.1 psig IFP 104.9 psig ISIP 1802.8 psig FFP 139.9 psig FSIP 1802.8 psig
F.H.P. 2564.1 psigElapsed Times: Initial flow 5 mins. Initial Shut in 30 mins.Final flow 90 mins. Final Shut in 120 mins.Maximum Temperature _____ Samples Taken 300ml WATER.Remarks ON CLOSURE OF INITIAL FLOW, STRONG BUBBLE CONTINUED FOR 3-4 MINS. WATER AND DRILLING MUD TESTED AND HAD OIL/WATER CONTENT OF 68:21% AGAINST DRILLING MUD IN USE AT 3:1, i.e., SAME.

030



TICKET NO. 19736200
28-DEC-82
ADELAIDE

FORMATION TESTING SERVICE REPORT

LEASE NAME		WELL NO.	TEST NO.	TESTED INTERVAL	LEASE OWNER/COMPANY NAME
ERST MERENIE		10	2	4966.1 - 5005.1	OILMIN GROUP
LEGAL LOCATION	SEE REMARKS	FIELD AREA	MERENIE	COUNTY	STATE
SEC. - TYP. - RING.				NORTH TERRITORY	AUSTRALIA
					PV/JC

GAUGE NO: 7983 DEPTH: 4945.5 BLANKED OFF: NO HOUR OF CLOCK: 24

ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
A	INITIAL HYDROSTATIC	2555	2526.6			
B	INITIAL FIRST FLOW	70	93.9	5.0	4.2	F
C	FINAL FIRST FLOW	105	116.5			
C	INITIAL FIRST CLOSED-IN	105	116.5	28.0	27.5	C
D	FINAL FIRST CLOSED-IN	1775	1783.0			
E	INITIAL SECOND FLOW	175	166.3	90.0	91.5	F
F	FINAL SECOND FLOW	491	494.7			
F	INITIAL SECOND CLOSED-IN	491	494.7	120.0	119.8	C
G	FINAL SECOND CLOSED-IN	1710	1731.8			
H	FINAL HYDROSTATIC	2555	2526.6			

GAUGE NO: 7984 DEPTH: 5002.0 BLANKED OFF: YES HOUR OF CLOCK: 24

ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
A	INITIAL HYDROSTATIC	2564	2555.5			
B	INITIAL FIRST FLOW	104	113.8	5.0	4.2	F
C	FINAL FIRST FLOW	139	153.7			
C	INITIAL FIRST CLOSED-IN	139	153.7	28.0	27.5	C
D	FINAL FIRST CLOSED-IN	1802	1813.8			
E	INITIAL SECOND FLOW	279	206.1	90.0	91.5	F
F	FINAL SECOND FLOW	524	529.0			
F	INITIAL SECOND CLOSED-IN	524	529.0	120.0	119.8	C
G	FINAL SECOND CLOSED-IN	1733	1757.6			
H	FINAL HYDROSTATIC	2564	2555.5			

EQUIPMENT & HOLE DATA

FORMATION TESTED: PACOOTA (P1)
NET PAY (ft):
GROSS TESTED FOOTAGE: 39.1
ALL DEPTHS MEASURED FROM: KELLY BUSHING
CASING PERFS. (ft):
HOLE OR CASING SIZE (in): 7.875
ELEVATION (ft): 2291
TOTAL DEPTH (ft): 5005.0
PACKER DEPTH(S) (ft): 4960. 4966
FINAL SURFACE CHOKE (in): 0.500
BOTTOM HOLE CHOKE (in): 0.750
MUD WEIGHT (lb/gal): 9.30
MUD VISCOSITY (sec): 46
ESTIMATED HOLE TEMP. (°F):
ACTUAL HOLE TEMP. (°F): 138 @ 5000.9 ft

TICKET NUMBER: 19736200

DATE: 11-14-82 TEST NO: 2

TYPE DST: OPEN HOLE

MALLIBURTON CAMP:
ADELAIDE

TESTER: VANCE BIATT

WITNESS: C. LAWSON

DRILLING CONTRACTOR:
MEREENIE #1

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:
cu.ft. OF GAS:
cc OF OIL:
cc OF WATER:
cc OF MUD:
TOTAL LIQUID cc:

HYDROCARBON PROPERTIES

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

CUSHION DATA

TYPE	AMOUNT	WEIGHT
------	--------	--------

RECOVERED:

SALTWATER - TOO SMALL TO MEASURE

MEASURED FROM
TESTER VALVE

REMARKS:

UNABLE TO PERFORM ANALYSIS - NO SALINITY OF SALTWATER WAS REPORTED.

TICKET NO: 19736200

CLOCK NO: 7273 HOUR: 24

HALLIBURTON

SERVICES

GAUGE NO: 7983

DEPTH: 4945.5

REF	MINUTES	PRESSURE	AP	$\frac{1 \times \Delta t}{t + \Delta t}$	$\log \frac{t + \Delta t}{\Delta t}$
FIRST FLOW					
B 1	0.0	93.9			
2	1.0	89.6	-4.2		
3	2.0	92.8	3.2		
4	3.0	108.2	15.4		
C 5	4.2	116.5	8.2		
FIRST CLOSED-IN					
C 1	0.0	116.5			
2	2.0	1038.5	922.0	1.4	0.488
3	4.0	1382.0	1265.5	2.1	0.309
4	6.0	1500.5	1384.0	2.5	0.229
5	8.0	1566.8	1450.3	2.7	0.183
6	10.0	1617.1	1500.6	2.9	0.152
7	12.0	1657.5	1541.0	3.1	0.129
8	14.0	1687.2	1570.7	3.2	0.113
9	16.0	1708.9	1592.4	3.3	0.101
10	18.0	1726.7	1610.2	3.4	0.091
11	20.0	1743.8	1627.3	3.5	0.083
12	22.0	1756.8	1640.4	3.5	0.076
13	24.0	1768.8	1652.3	3.6	0.070
14	26.0	1779.5	1663.0	3.6	0.065
D 15	27.5	1783.0	1666.6	3.6	0.062
SECOND FLOW					
E 1	0.0	166.3			
2	5.0	219.8	53.5		
3	10.0	267.9	48.1		
4	15.0	298.6	30.7		
5	20.0	325.3	26.7		
6	25.0	350.7	25.4		
7	30.0	370.2	19.5		
8	35.0	382.6	12.5		
9	40.0	393.5	10.9		
10	45.0	404.6	11.1		
11	50.0	415.4	10.9		
12	55.0	426.8	11.4		
13	60.0	436.7	9.8		
14	65.0	446.5	9.8		
15	70.0	456.5	10.0		
16	75.0	465.6	9.1		
17	80.0	474.9	9.3		
18	85.0	484.0	9.1		
F 19	91.5	494.7	10.7		
SECOND CLOSED-IN					
F 1	0.0	494.7			

REF	MINUTES	PRESSURE	AP	$\frac{1 \times \Delta t}{t + \Delta t}$	$\log \frac{t + \Delta t}{\Delta t}$
SECOND CLOSED-IN - CONTINUED					
2	1.0	766.3	271.5	1.0	1.973
3	2.0	878.2	383.5	2.0	1.690
4	3.0	954.3	459.6	2.9	1.522
5	4.0	1013.4	518.7	3.8	1.397
6	5.0	1057.9	563.2	4.7	1.305
7	6.0	1098.0	601.3	5.7	1.226
8	7.0	1122.9	628.1	6.6	1.164
9	8.0	1151.7	657.0	7.4	1.112
10	9.0	1173.5	678.8	8.2	1.066
11	10.0	1200.7	706.0	9.1	1.024
12	12.0	1235.7	741.0	10.7	0.953
13	14.0	1269.2	774.5	12.2	0.895
14	16.0	1298.3	803.5	13.7	0.845
15	18.0	1325.4	830.7	15.2	0.800
16	20.0	1347.9	853.2	16.6	0.762
17	22.0	1372.0	877.3	17.9	0.728
18	24.0	1391.4	896.7	19.2	0.698
19	26.0	1409.1	914.4	20.4	0.670
20	28.0	1425.6	930.9	21.6	0.645
21	30.0	1442.4	947.7	22.9	0.622
22	35.0	1478.4	983.6	25.6	0.572
23	40.0	1509.6	1014.9	28.2	0.531
24	45.0	1536.8	1042.1	30.6	0.495
25	50.0	1559.9	1065.2	32.8	0.464
26	55.0	1580.7	1085.9	34.9	0.438
27	60.0	1600.0	1105.3	36.9	0.414
28	70.0	1632.0	1137.3	40.4	0.374
29	80.0	1659.1	1164.3	43.6	0.342
30	90.0	1680.8	1186.1	46.4	0.315
31	100.0	1701.4	1206.6	48.9	0.292
32	110.0	1718.0	1223.2	51.2	0.272
G 33	119.8	1731.8	1237.1	53.2	0.255

REMARKS:

TICKET NO: 19736200

CLOCK NO: 26218 HOUR: 24

















HALLIBURTON
SERVICES

GAUGE NO: 7984

DEPTH: 5002.0

REF	MINUTES	PRESSURE	AP	$\frac{t \times \Delta t}{t + \Delta t}$	$\log \frac{t + \Delta t}{\Delta t}$	REF	MINUTES	PRESSURE	AP	$\frac{t \times \Delta t}{t + \Delta t}$	$\log \frac{t + \Delta t}{\Delta t}$	
FIRST FLOW						SECOND CLOSED-IN - CONTINUED						
B	1	0.0	113.8			2	1.0	784.3	255.3	1.0	1.978	
	2	1.0	114.3	0.5		3	2.0	911.2	382.2	2.0	1.688	
	3	2.0	119.8	5.4		4	3.0	994.8	465.8	3.0	1.510	
	4	3.0	139.9	20.1		5	4.0	1045.7	516.7	3.8	1.396	
C	5	4.2	153.7	13.8		6	5.0	1088.4	559.4	4.7	1.305	
FIRST CLOSED-IN						7	6.0	1127.7	598.7	5.7	1.227	
C	1	0.0	153.7			8	7.0	1158.2	630.2	6.5	1.167	
	2	2.0	1190.0	1036.3	1.4 0.490	9	8.0	1186.2	659.3	7.4	1.111	
	3	4.0	1425.8	1272.1	2.0 0.312	10	9.0	1216.6	681.6	8.2	1.064	
	4	6.0	1541.3	1387.7	2.5 0.229	11	10.0	1229.1	700.1	9.0	1.025	
	5	8.0	1603.6	1450.0	2.7 0.183	12	12.0	1265.6	736.8	10.7	0.952	
	6	10.0	1651.9	1498.2	3.0 0.152	13	14.0	1308.3	771.4	12.2	0.894	
	7	12.0	1687.7	1534.0	3.1 0.130	14	16.0	1329.9	801.9	13.7	0.843	
	8	14.0	1714.4	1560.7	3.2 0.114	15	18.0	1357.1	828.1	15.2	0.800	
	9	16.0	1738.8	1585.1	3.3 0.101	16	20.0	1379.8	850.8	16.6	0.762	
	10	18.0	1755.9	1602.2	3.4 0.091	17	22.0	1399.5	870.5	17.9	0.728	
	11	20.0	1770.1	1616.4	3.5 0.083	18	24.0	1419.6	890.6	19.2	0.698	
	12	22.0	1785.3	1631.6	3.5 0.076	19	26.0	1438.2	909.9	20.4	0.670	
	13	24.0	1796.9	1643.2	3.6 0.070	20	28.0	1454.8	925.9	21.7	0.645	
	14	26.0	1807.3	1653.6	3.6 0.065	21	30.0	1471.5	942.5	22.8	0.622	
D	15	27.5	1813.8	1660.2	3.6 0.062	22	35.0	1506.6	977.6	25.6	0.572	
SECOND FLOW						23	40.0	1537.4	1008.4	28.2	0.531	
E	1	0.0	206.1			24	45.0	1563.1	1034.2	30.6	0.495	
	2	5.0	254.4	48.3		25	50.0	1587.4	1058.4	32.8	0.465	
	3	10.0	302.6	48.3		26	55.0	1608.1	1079.2	34.9	0.438	
	4	15.0	333.7	31.1		27	60.0	1627.3	1098.4	36.9	0.414	
	5	20.0	360.0	26.2		28	70.0	1659.0	1130.0	40.4	0.374	
	6	25.0	385.3	25.3		29	80.0	1686.9	1157.9	43.6	0.342	
	7	30.0	403.5	18.2		30	90.0	1709.0	1180.0	46.4	0.315	
	8	35.0	415.2	11.7		31	100.0	1728.0	1199.1	48.9	0.292	
	9	40.0	425.3	10.1		32	110.0	1743.8	1214.8	51.2	0.272	
	10	45.0	437.1	11.7		G	33	119.8	1757.6	1228.6	53.2	0.255
	11	50.0	448.3	11.2								
	12	55.0	459.3	11.0								
	13	60.0	469.4	10.1								
	14	65.0	480.1	10.7								
	15	70.0	489.5	9.4								
	16	75.0	500.0	10.5								
	17	80.0	509.3	9.3								
	18	85.0	518.1	8.8								
F	19	91.5	529.0	10.9								
SECOND CLOSED-IN												
F	1	0.0	529.0									

REMARKS:

		O.D.	I.D.	LENGTH	DEPTH	
1		DRILL PIPE.....	4.500	3.826	4207.0	
4		FLEX WEIGHT.....	4.500	2.750	183.0	
3		DRILL COLLARS.....	6.500	2.310	467.0	
50		IMPACT REVERSING SUB.....	5.250	3.000	1.0	4839.7
3		DRILL COLLARS.....	6.500	2.310	93.0	
5		CROSSOVER.....	6.250	3.750	1.0	
12		DUAL CIP VALVE.....	5.000	0.870	4.9	
60		HYDROSPRING TESTER.....	5.000	0.750	5.3	4944.4
80		AP RUNNING CASE.....	5.000	2.250	4.1	4945.5
15		JAR.....	5.000	1.750	5.0	
16		VR SAFETY JOINT.....	5.000	1.000	2.8	
70		OPEN HOLE PACKER.....	6.750	1.530	5.8	4960.1
70		OPEN HOLE PACKER.....	6.750	1.530	5.8	4965.9
20		FLUSH JOINT ANCHOR.....	5.000	2.370	33.0	
81		BLANKED-OFF RUNNING CASE.....	5.000	2.440	4.1	5002.0
TOTAL DEPTH					5005.0	

EQUIPMENT DATA

OILMIN N.L.

DRILL STEM TEST REPORT

Report No. 3

Well EAST MEREENIE NO. 10 Elevation K.B. 2291 Elevation G.L. 2271 Date 16/11/82

Test No. 3 Interval 4900.31 - 4925.45 Operator HALLIBURTON

Tester Size & Type HYDROSPRING 5" Packer Size & Type 6-3/4" OPEN HOLE

Anchor Length & O.D. 16' Drill collar footage above Packer _____

Capacity Bbls/ft. Drill Pipe 0.01422 BBLs/FT. Collars 0.0049 BBLs/FT.

Pressure Recorders Type BORDEN Position BOTTOM Depth 4920.45'

Type BORDEN Position TOP Depth 4884.72'

Perforated Anchor from 4925 to 4900

Choke Size: Top 1/2" Bottom 3/4" Water Cushion NIL Mud Wt. _____ Vis. _____

Hole Size 7-7/8 to 4900 Rat hole size _____ to _____

Mud Level: Before valve opened ANNULUS FULL After valve opened FULL

Time Record: Started clocks at 0340 Hrs. Started in hole at 0410 Hrs.

Opened Valve at 0745 Hrs. Shut in at 0755 Hrs. Opened at 0827 Hrs. Shut in at 0927 Hrs.

Pulled Packer at 1035 Hrs. Out of hole at 1330 Hrs. Recovered chart at 1340 Hrs.

Nature of Blow NIL

Fluid flow (details) NIL

Recovery NIL/NOTE: MUD SAMPLE TAKEN FROM BETWEEN DCIP - HYDROSPRING RETORTED GAVE 20% WATER
80% OIL EQUAL TO 1:4 RATIO MUD SYSTEM 1:3 RATIO

Pressures I.H.P. 4900 psig IFP 3 psig ISIP 3 psig FFP 3 psig FSIP 3 psig
F.H.P. 4925 psig

Elapsed Times: Initial flow 10 mins. Initial Shut in 32 mins.
Final flow 60 mins. Final Shut in 60 mins.

Maximum Temperature 136°F Samples Taken HYDROSPRING AND DUAL CIP (MUD CUT SAMPLE)

Remarks LIMESTONE INTERVAL AT TOP OF PACOOTTA (P1) SANDSTONE, TESTED FOR POSSIBLE
PERMEABLE ZONE IN OIL COLUMN. PERMEABILITY FROM TEST ALMOST ZERO. POROSITY
ALSO VERY POOR AS EXPECTED.



TICKET NO. 19736500
28-DEC-82
ADELAIDE

FORMATION TESTING SERVICE REPORT

EAST MEREEINIE		10	3	4900. - 4925.	OLMIN GROUP
LEASE NAME		WELL NO.	TEST NO.	TESTED INTERVAL	LEASE OWNER/COMPANY NAME
LEGAL LOCATION SEC. - TWP. - RNG.	SEE REMARKS	FIELD AREA	MEREEINIE	COUNTY NORTH TERR.	STATE AUSTRALIA BC

GAUGE NO: 7984 DEPTH: 4884.7 BLANKED OFF: NO HOUR OF CLOCK: 24

ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
A	INITIAL HYDROSTATIC	2436	2431.5			
B	INITIAL FIRST FLOW	3	11.5	10.0	10.0	F
C	FINAL FIRST FLOW	3	11.5			
C	INITIAL FIRST CLOSED-IN	3	11.5	30.0	30.0	C
D	FINAL FIRST CLOSED-IN	3	13.5			
E	INITIAL SECOND FLOW	3	11.4	60.0	60.0	F
F	FINAL SECOND FLOW	3	11.4			
F	INITIAL SECOND CLOSED-IN	3	11.4	70.0	70.0	C
G	FINAL SECOND CLOSED-IN	3	13.3			
H	FINAL HYDROSTATIC	2425	2433.9			

GAUGE NO: 7983 DEPTH: 4920.5 BLANKED OFF: YES HOUR OF CLOCK: 24

ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
A	INITIAL HYDROSTATIC	2486	2457.4			
B	INITIAL FIRST FLOW	3	33.2	10.0	10.0	F
C	FINAL FIRST FLOW	3	33.2			
C	INITIAL FIRST CLOSED-IN	3	33.2	30.0	30.0	C
D	FINAL FIRST CLOSED-IN	3	34.2			
E	INITIAL SECOND FLOW	3	34.2	60.0	60.0	F
F	FINAL SECOND FLOW	3	31.8			
F	INITIAL SECOND CLOSED-IN	3	31.8	70.0	70.0	C
G	FINAL SECOND CLOSED-IN	3	31.8			
H	FINAL HYDROSTATIC	2451	2454.5			

EQUIPMENT & HOLE DATA

FORMATION TESTED: PACOOTA
NET PAY (ft): _____
GROSS TESTED FOOTAGE: 25.3
ALL DEPTHS MEASURED FROM: KB
CASING PERFS. (ft): _____
HOLE OR CASING SIZE (in): 7.875
ELEVATION (ft): 2291
TOTAL DEPTH (ft): 5060.0
PACKER DEPTH(S) (ft): 4900, 4925
FINAL SURFACE CHOKE (in): 0.500
BOTTOM HOLE CHOKE (in): 0.750
MUD WEIGHT (lb/gal): 9.30
MUD VISCOSITY (sec): 45
ESTIMATED HOLE TEMP. (°F): _____
ACTUAL HOLE TEMP. (°F): 136 @ 5055.9 ft

TICKET NUMBER: 19736500

DATE: 11-16-82 TEST NO: 3

TYPE DST: ON BTM. STRADDLE

HALLIBURTON CAMP:
ADELAIDE

TESTER: BLATT

WITNESS: LAWSON 22

DRILLING CONTRACTOR:
MERCENIE #1

FLUID PROPERTIES FOR RECOVERED MUD & WATER

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

SAMPLER DATA

Psig AT SURFACE: _____
cu.ft. OF GAS: _____
cc OF OIL: _____
cc OF WATER: _____
cc OF MUD: _____
TOTAL LIQUID cc: _____

HYDROCARBON PROPERTIES

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

CUSHION DATA






















TYPE AMOUNT WEIGHT

RECOVERED:

MEASURED FROM
TESTER VALVE

REMARKS:

LEGAL LOCATION = 24 DEGREES 4' 39.3"S --131 DEGREES 41' 15.7"E
NO CHART OR DATA FROM GAUGE BELOW BOTTOM PACKER SUPPLIED.

		O.D.	I.D.	LENGTH	DEPTH	
1		DRILL PIPE.....	4.500	3.826	4439.4	
3		DRILL COLLARS.....	6.500	2.310	374.0	
50		IMPACT REVERSING SUB.....	5.250	3.000	1.0	4809.9
3		DRILL COLLARS.....	6.500	2.310	62.0	
5		CROSSOVER.....	6.250	3.750	1.0	
12		DUAL CIP VALVE.....	5.000	0.870	4.9	
60		HYDROSPRING TESTER.....	5.000	0.750	5.3	4883.6
80		AP RUNNING CASE.....	5.000	2.250	4.1	4884.7
15		JAR.....	5.000	1.750	5.0	
16		VR SAFETY JOINT.....	5.000	1.000	2.8	
17		PRESSURE EQUALIZING CROSSOVER...	5.000	2.750	1.0	
70		OPEN HOLE PACKER.....	6.750	1.530	5.8	4900.3
20		FLUSH JOINT ANCHOR.....	5.000	2.370	16.0	
17		PRESSURE EQUALIZING CROSSOVER...	5.000	2.625	1.0	
80		AP RUNNING CASE.....	5.000	2.250	4.1	4920.4
70		OPEN HOLE PACKER.....	6.750	1.530	5.8	4925.4
5		CROSSOVER.....	4.875	2.250	1.0	
5		CROSSOVER.....	5.750	2.375	1.0	
3		DRILL COLLARS.....	6.500	2.310	124.0	
5		CROSSOVER.....	6.000	2.125	0.7	
81		BLANKED-OFF RUNNING CASE.....	5.000		4.1	5056.0
TOTAL DEPTH					5060.0	

EQUIPMENT DATA