

ESSO AUSTRALIA PTY LTD

Well: East Pilchard - 1

Date

Tool Type (MDT-GR-LEHQT)

Gauge Type: CQG

Pressure units (psia, psig)

Geologist-Engineer

M.Woodmansee / A.Ribeiro

KB (metres):

25.0

Probe type

Large

Temperature units (degF, degC)

Deg C

Sample No	Depth mRT	Depth mSS	Strain Gauge (SG)				Quartz Gauge (CQG)					SG hyd after	CQG hyd after	Comments	Mobility
			Hydrostatic before psig	PPG	Reservoir psig	PPG	Hydrostatic psia	PPG	Reservoir psia	PPG	Temp deg C				
Suite 1 Run 3															
1	1689.03	1663.94	2952.00	10.3	2369.90	8.3584	2942.50	10.2	2362.68	8.33	74.90	2952.70	2943.90	20cc DD	549.7
2	1694.47	1669.38	2962.20	10.3	2381.90	8.3733	2953.50	10.2	2374.87	8.35	75.83	2962.30	2953.14	20cc DD	1238.0
3	1709.54	1684.44	2987.70	10.3	2405.50	8.3807	2979.27	10.2	2398.61	8.36	76.45	2988.10	2979.23	20cc DD	4421.0
4	1732.01	1706.91	3026.70	10.3	2436.20	8.3759	3017.70	10.2	2429.21	8.35	77.25	3026.20	3017.50	20cc DD	1953.4
5	1748.53	1723.42	3054.60	10.3	2463.10	8.3873	3046.20	10.2	2455.80	8.36	78.09	3054.60	3045.69	20cc DD	503.2
6	1799.02	1773.89	3141.20	10.2	2948.60	9.7548	3132.70	10.2	2541.34	8.41	79.03	3141.30	3132.50	20cc DD	1876.0
7	1812.01	1786.88	3163.80	10.2	2567.10	8.431	3154.90	10.2	2559.81	8.41	79.65	3163.60	3154.94	20cc DD	2079.0
8	1876.03	1850.88	3273.80	10.2	2657.90	8.4273	3265.40	10.2	2650.44	8.40	80.45	3273.90	3264.98	20cc DD	3282.0
9	1908.98	1883.80	3330.40	10.2	2704.90	8.4265	3321.80	10.2	2697.22	8.40	81.20	3330.70	3321.40	20cc DD	3052.0
10	1933.49	1908.31	3372.70	10.2	2737.70	8.4191	3363.60	10.2	2729.80	8.39	82.23	3372.70	3363.30	20cc DD	1104.0
11	1936.95	1911.76	3378.70	10.2	2742.50	8.4187	3369.40	10.2	2734.76	8.39	83.23	3378.40	3369.32	20cc DD	866.0
12	1966.86	1941.66	3429.90	10.2	2774.00	8.3842	3421.20	10.2	2766.21	8.36	83.84	3430.10	3420.70	20cc DD, Correlate	2050.0
13	1978.36	1953.15	3449.60	10.2	2790.40	8.3842	3440.50	10.2	2783.38	8.36	84.60	3449.30	3440.30	20cc DD	929.0
14	1991.95	1966.74	3472.80	10.2	2811.70	8.3898	3464.00	10.2	2803.78	8.37	84.95	3473.00	3463.60	20cc DD	2365.0
15	2038.51	2013.27	3552.50	10.2	2889.60	8.423	3543.60	10.2	2881.41	8.40	85.47	3552.80	3543.40	20cc DD	3561.6
16	2053.98	2028.74	3579.60	10.2	2911.30	8.4215	3570.30	10.2	2903.33	8.40	85.88	3579.60	3570.10	20cc DD	2833.3
17	2119.00	2094.00	3691.30	10.2	3004.40	8.42	3681.75	10.2	2996.11	8.40	86.48	3691.10	3681.70	20cc DD, Mobility later	913.1
18	2141.50	2116.21	3729.60	10.2	3036.40	8.4204	3720.70	10.2	3028.21	8.40	87.18	3729.90	3720.50	20cc DD	408.8
19	2152.00	2127.00	3747.70	10.2	3051.20	8.4185	3738.77	10.2	3043.13	8.40	87.94	3748.00	3738.60	20cc DD Restart computer	887.3
20	2212.03	2186.70	3850.70	10.2	3136.20	8.4168	3841.70	10.2	3127.70	8.39	89.17	3850.80	3841.70	20cc DD, set probe twice	107.6
21	2305.02	2279.64	4009.80	10.2	3144.90	8.096	4000.80	10.2	3136.71	8.07	90.35	4009.80	4000.40	20cc DD	528.6
22	2345.04	2319.64	4078.80	10.2	3218.50	8.1426	4069.60	10.2	3210.00	8.12	91.30	4078.70	4069.20	20cc DD	71.5
23	2377.04	2351.62	4133.40	10.2	3283.50	8.1941	4124.50	10.2	3274.97	8.17	92.00	4133.70	4123.90	20cc DD	818.9
24	2390.00	2364.57	4156.00	10.2	3322.20	8.2453	4146.60	10.2	3313.70	8.22	92.60	4156.00	4146.30	20cc DD	95.3
25	2397.50	2372.06	4168.80	10.2	3333.30	8.2467	4159.80	10.2	3324.80	8.23	93.33	4168.40	4159.40	20cc DD	197.4
26	2413.51	2388.07	4196.10	10.2	3354.90	8.2445	4187.50	10.2	3346.46	8.22	94.03	4196.30	4187.00	20cc DD	632.7
27	2530.02	2504.49	4396.50	10.2	3621.60	8.4862	4387.20	10.2	3612.64	8.47	95.00	4396.20	4386.80	20cc DD	257.7
28	2532.51	2506.99	4400.50	10.2	3624.80	8.4852	4391.50	10.2	3615.80	8.46	95.55	4400.70	4391.20	20cc DD	52.7
29	2547.01	2521.48	4425.70	10.2	3644.90	8.4832	4416.50	10.2	3635.50	8.46	96.15	4426.50	4416.40	20cc DD	74.5
30	2553.49	2527.95	4436.70	10.2	3653.20	8.4808	4427.70	10.2	3644.50	8.46	96.78	4436.60	4427.60	20cc DD	1040.4
31	2554.99	2529.45	4439.50	10.2	3655.20	8.4804	4430.50	10.2	3646.65	8.46	97.47	4438.80	4430.20	20cc DD	3.4
32	2557.03	2531.49	4443.20	10.2	3661.10	8.4872	4433.90	10.2	3651.90	8.47	98.13	4443.60	4433.50	20cc DD	4.2
33	2555.49	2529.96	4440.40	10.2	3656.10	8.4808	4431.40	10.2	3646.90	8.46	98.55	4440.70	4430.98	20cc DD	168.4
34	2593.53	2567.98	4506.00	10.2	3900.00	8.9126	4496.80	10.2	3891.01	8.89	98.70	4506.20	4496.60	20cc DD	1519.5
35	2596.05	2570.49	4510.50	10.2	3900.90	8.9059	4501.30	10.2	3892.07	8.89	99.15	4510.50	4501.70	20cc DD	847.2
36	2598.01	2572.45	4514.10	10.2	3901.70	8.901	4504.80	10.2	3892.68	8.88	99.69	4514.20	4504.80	20cc DD GR correlate	232.0
37	2601.99	2576.43	4521.50	10.2	3903.30	8.8909	4511.30	10.2	3893.53	8.87	99.63	4521.40	4511.60	20cc DD	1587.1
38	2619.98	2594.42	4551.50	10.2	3909.30	8.8428	4542.60	10.2	3900.52	8.82	98.73	4551.70	4542.80	20cc DD - Temporary Lost Seal	23.2
39	2619.98	2594.42	4551.50	10.2	3909.10	8.8423	4542.60	10.2	3900.30	8.82	99.21	4551.60	4542.80	20cc DD Pretest redone	41.5
40	2623.01	2597.45	4556.60	10.2	3911.60	8.8377	4548.60	10.2	3902.97	8.82	99.58	4556.60	4547.95	20cc DD, Aborted	4.9
41	2627.51	2601.94	4564.60	10.2	3911.40	8.822	4555.90	10.2	3902.64	8.80	100.32	4564.70	4556.00	20cc DD	1768.0
42	2629.01	2603.44	4567.40	10.2	3912.90	8.8203	4558.20	10.2	3903.65	8.80	100.70	4567.50	4558.20	20cc DD	61.2
43	2633.51	2607.93	4575.30	10.2	3915.00	8.8098	4565.30	10.2	3905.69	8.79	100.86	4575.30	4566.20	20cc DD	2.2
44	2641.00	2615.42	4588.30	10.2	3916.00	8.7868	4579.30	10.2	3907.15	8.77	101.32	4588.30	4579.50	20cc DD	46.5
45	2642.50	2616.92	4590.70	10.2	n/a	n/a	4581.50	10.2	n/a	n/a	101.27	4590.90	4581.50	20cc DD - Tight, GR correlate	

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			Hydrostatic before psig	PPG	Reservoir psig	PPG	Hydrostatic psia	PPG	Reservoir psia	PPG	Temp deg C				
46	2644.01	2618.43	4593.50	10.2	n/a	n/a	4583.70	10.2	n/a	n/a	100.67	n/a	n/a	20cc DD - Lost seal twice	
47	2642.47	2616.89	4590.50	10.2	n/a	n/a	4581.20	10.2	n/a	n/a	99.92	n/a	n/a	20cc DD - Tight	
48	2649.92	2624.33	4603.20	10.2	n/a	n/a	4593.70	10.2	n/a	n/a	100.33	n/a	n/a	20cc DD - Tight	
49	2649.80	2637.41	4603.30	10.2	n/a	n/a	4593.70	10.2	n/a	n/a	100.88	n/a	n/a	20cc DD - Lost seal	
50	2663.00	2641.44	4626.50	10.2	3958.60	8.7949	4616.30	10.2	3949.30	8.77	101.03	4625.70	4616.50	20cc DD	31.8
51	2667.04	2643.97	4632.60	10.2	3959.80	8.7892	4623.30	10.2	3950.63	8.77	101.30	4632.40	4623.20	20cc DD	429.8
52	2669.50	2644.50	4636.50	10.2	3960.60	8.7892	4627.48	10.2	3951.37	8.77	101.83	4637.00	4627.05	20cc DD	18.4
53	2672.51	2646.91	4642.10	10.2	n/a	n/a	4632.54	10.2	n/a	n/a	102.20	4641.90	4632.50	20cc DD - Tight	
54	2686.03	2660.42	4664.80	10.2	3984.50	8.7893	4655.68	10.2	3975.14	8.77	102.69	4664.70	4655.20	20cc DD	84.9
55	2691.51	2665.90	4674.10	10.2	n/a	n/a	4664.81	10.2	n/a	n/a	102.56	4674.30	4664.60	20cc DD - Tight	
56	2700.00	2675.00	4688.70	10.2	n/a	n/a	4679.56	10.2	n/a	n/a	103.09	4688.60	4679.54	20cc DD - Lost seal	
57	2708.49	2682.86	4702.90	10.2	4002.20	8.7545	4693.98	10.2	3992.90	8.73	103.04	4702.80	4693.60	10cc DD - Slow buildup	22.1?
58	2719.53	2693.90	4722.40	10.2	n/a	n/a	4713.14	10.2	n/a	n/a	103.30	4722.30	4712.40	10cc DD - Tight	
59	2721.49	2695.85	4725.30	10.2	4007.10	8.723	4716.02	10.2	3997.58	8.70	103.69	4725.50	4715.80	20cc DD	92.5
60	2724.02	2698.38	4729.50	10.2	4008.20	8.7172	4720.50	10.2	3998.82	8.70	103.81	4729.50	4720.50	20cc DD	21.5
61	2726.53	2700.89	4734.30	10.2	4009.00	8.7108	4724.68	10.2	3999.40	8.69	104.08	4734.50	4724.50	20cc DD	87.6
62	2728.54	2702.90	4737.80	10.2	4010.00	8.7065	4727.60	10.2	4000.44	8.69	104.04	4737.70	4727.79	20cc DD	342.1
63	2741.50	2715.86	4759.90	10.2	n/a	n/a	4750.50	10.2	n/a	n/a	103.94	4759.40	4750.70	20cc DD - Tight	
64	2751.01	2725.36	4775.70	10.2	4038.70	8.6966	4767.16	10.2	4030.11	8.68	104.58	4775.50	4767.39	20cc DD	1167.3
65	2753.00	2727.34	4778.80	10.2	4039.70	8.6924	4770.50	10.2	4031.04	8.67	104.95	4779.10	4770.82	20cc DD	3.9
66	2755.99	2730.33	4784.40	10.2	4040.60	8.6848	4775.68	10.2	4031.91	8.67	105.51	4784.30	4775.73	20cc DD	248.8
67	2758.99	2733.33	4789.50	10.2	4042.50	8.6794	4780.65	10.2	4033.57	8.66	105.85	4789.70	4780.70	20cc DD	191.5
68	2763.04	2737.38	4796.50	10.2	4043.40	8.6685	4787.80	10.2	4034.60	8.65	105.88	4796.60	4787.80	10cc DD - Leak in packer to probe. Retest	
69	2763.04	2737.38	4796.90	10.2	4043.20	8.668	4787.90	10.2	4034.28	8.65	105.88	4796.90	4787.71	10cc DD	1826.2
70	2782.01	2756.33	4829.20	10.2	4080.40	8.6876	4820.48	10.2	4071.52	8.67	105.99	4829.40	4820.57	20cc DD	5.8
71	2784.02	2758.33	4832.40	10.2	4080.80	8.6822	4823.78	10.2	4072.21	8.66	106.46	4832.60	4823.79	20cc DD	391.2
72	2789.01	2763.32	4841.20	10.2	4082.30	8.6697	4832.64	10.2	4073.69	8.65	106.50	4840.60	4832.27	15cc DD	511.8
73	2792.02	2766.32	4846.40	10.2	4083.40	8.6626	4837.60	10.2	4074.69	8.64	107.08	4846.30	4837.50	15cc DD	1586.6
74	2799.50	2773.80	4859.50	10.2	4094.30	8.6623	4849.90	10.2	4085.27	8.64	107.08	4859.50	4850.40	10cc DD	43.5
75	2800.50	2774.79	4860.90	10.2	4096.20	8.6633	4852.11	10.2	4087.40	8.64	106.40	4861.30	4852.19	10cc DD - poor gauge stability	39.4
76	2817.47	2791.75	4890.40	10.2	4130.10	8.6819	4881.29	10.2	4121.50	8.66	106.77	4889.90	4881.50	20cc DD	14.7
77	2825.52	2799.78	4903.90	10.2	4146.00	8.6903	4895.82	10.2	4137.50	8.67	106.84	4903.40	4895.62	20cc DD	93.8
78	2829.98	2804.25	4911.50	10.2	4151.40	8.6878	4903.40	10.2	4143.15	8.67	107.60	4911.60	4903.25	20cc DD	352.5
79	2832.99	2807.25	4916.80	10.2	4155.70	8.6875	4908.60	10.2	4147.28	8.67	107.82	4916.60	4908.59	20cc DD	122.8
80	2836.97	2811.23	4923.80	10.2	4161.30	8.6869	4915.53	10.2	4152.69	8.67	108.35	4923.90	4915.30	15cc DD	77.2
81	2860.98	2835.21	4965.40	10.2	n/a	n/a	4956.90	10.2	n/a	n/a	109.44	4965.10	4956.83	15cc DD - aborted, slow buildup, retest	
82	2861.20	2835.43	4966.20	10.2	4231.80	8.7586	4957.10	10.2	4222.70	8.74	109.32	4966.10	4957.38	5cc DD (+5cc + 2cc), seal leaked immediately after taking pressure	
83	2875.45	2849.66	4990.40	10.2	n/a	n/a	4981.90	10.2	n/a	n/a	109.70	n/a	n/a	15cc DD - aborted, slow buildup, retest	
84	2875.77	2849.99	4991.40	10.2	4218.30	8.6861	4982.40	10.2	4209.63	8.67	109.90	4991.30	4982.77	10cc DD (+5cc DD)	33.2
85	2878.51	2852.72	4996.00	10.2	4243.70	8.73	4987.50	10.2	4235.05	8.71	110.19	4996.10	4987.70	15cc DD (+5cc DD)	25.3
86	2882.01	2856.22	5002.20	10.2	n/a	n/a	4993.77	10.2	n/a	n/a	110.46	n/a	n/a	10cc DD - no seal, retest 1m higher	
87	2881.08	2855.29	5000.50	10.2	n/a	n/a	4992.30	10.2	n/a	n/a	110.54	n/a	n/a	20cc DD - Tight, aborted	
88	2885.31	2859.52	5008.10	10.2	4248.60	8.7193	4999.32	10.2	4239.50	8.70	110.76	5008.20	4999.20	10cc DD	48.6
89	2900.52	2874.71	5034.80	10.2	4255.50	8.6873	5025.80	10.2	4246.62	8.67	110.67	5034.80	5025.90	10cc DD	9.0
90	2918.46	2892.63	5065.40	10.2	n/a	n/a	5057.77	10.2	n/a	n/a	110.81	n/a	n/a	10cc DD - aborted, slow buildup, suspect leaking	
91	2920.47	2894.64	5069.50	10.2	4283.40	8.6841	5061.22	10.2	4274.60	8.67	111.28	5070.00	5060.82	10cc DD additional 5cc DD to reconfirm	22.4
92	2925.00	2899.17	5077.70	10.2	n/a	n/a	5069.26	10.2	n/a	n/a	111.74	n/a	n/a	10cc DD (+5cc DD) - aborted, slow buildup, possible leak	
93	2926.51	2900.68	5080.30	10.2	n/a	n/a	5071.79	10.2	n/a	n/a	112.05	n/a	n/a	20cc DD - aborted, tight, try 1m higher	
94	2925.53	2899.69	5078.80	10.2	4339.50	8.7825	5070.32	10.2	4330.59	8.76	112.38	5078.60	5070.00	10cc DD (+5cc DD), sample diverted to OFA then to 1 Gallon chamber	11.8