



# DIRECTIONAL SURVEY REPORT

Origin Energy Resources Ltd

Trefoll-2

Trefoll

Tasmania

Australia

AU-FE-000671414

UTM Zone 55S, GDA 1994

RT-MSL = 26.0m

Measured Depth (metres)	Inclination (degrees)	Direction (degrees)	Vertical Depth (metres)	Latitude (metres)	Departure (metres)	Vertical Section (metres)	Dogleg (deg/30m)
0.000	0.00	0.00	0.000	0.000 N	0.000 E	0.000	TIE-IN
95.000	0.00	0.00	95.000	0.000 N	0.000 E	0.000	0.00
204.920	0.58	282.17	204.918	0.117 N	0.544 W	-0.518	0.16
289.500	0.55	277.88	289.494	0.263 N	1.363 W	-1.282	0.02
376.490	0.32	238.01	376.482	0.191 N	1.982 W	-1.758	0.13
435.080	0.35	232.40	435.071	0.006 S	2.265 W	-1.884	0.02
521.950	0.72	199.02	521.937	0.684 S	2.654 W	-1.834	0.16
547.830	0.73	193.58	547.815	0.996 S	2.745 W	-1.738	0.08
579.000	0.69	195.91	578.982	1.367 S	2.842 W	-1.614	0.05
665.440	0.36	203.20	665.419	2.115 S	3.091 W	-1.409	0.12
782.280	0.67	192.10	782.254	3.126 S	3.381 W	-1.091	0.08
812.120	0.66	196.82	812.092	3.462 S	3.467 W	-0.978	0.06
868.190	0.30	224.95	868.160	3.877 S	3.666 W	-0.914	0.22
896.770	1.03	195.99	896.738	4.177 S	3.790 W	-0.852	0.81
925.970	0.71	183.94	925.934	4.608 S	3.874 W	-0.684	0.38
952.440	0.80	188.49	952.402	4.953 S	3.913 W	-0.526	0.13
981.350	0.74	192.99	981.309	5.336 S	3.985 W	-0.375	0.09
1010.200	0.83	198.72	1010.157	5.716 S	4.094 W	-0.256	0.12
1067.210	0.87	190.96	1067.160	6.533 S	4.309 W	0.017	0.06
1095.870	0.84	194.49	1095.817	6.950 S	4.403 W	0.169	0.07
1153.510	1.11	191.81	1153.449	7.905 S	4.623 W	0.513	0.14
1182.360	1.27	187.06	1182.293	8.496 S	4.719 W	0.759	0.20
1211.300	0.97	182.63	1211.227	9.059 S	4.770 W	1.028	0.33
1240.320	1.00	184.76	1240.243	9.555 S	4.802 W	1.275	0.05
1269.440	0.96	179.68	1269.359	10.052 S	4.822 W	1.533	0.10
1298.710	1.13	178.12	1298.624	10.585 S	4.811 W	1.836	0.17
1327.950	1.27	184.82	1327.857	11.194 S	4.829 W	2.158	0.20
1357.120	1.31	184.97	1357.020	11.849 S	4.885 W	2.473	0.04
1385.950	1.43	187.08	1385.842	12.534 S	4.958 W	2.791	0.13
1414.800	1.33	186.15	1414.684	13.223 S	5.038 W	3.105	0.11
1443.260	1.42	189.23	1443.135	13.898 S	5.129 W	3.401	0.12
1471.760	1.41	188.55	1471.627	14.593 S	5.238 W	3.694	0.02
1500.560	1.44	186.77	1500.418	15.304 S	5.334 W	4.007	0.06
1529.740	1.02	177.87	1529.591	15.928 S	5.367 W	4.324	0.48
1559.000	1.11	183.32	1558.846	16.472 S	5.374 W	4.619	0.14
1588.150	1.05	181.86	1587.991	17.022 S	5.399 W	4.902	0.07
1617.270	1.14	175.03	1617.105	17.577 S	5.383 W	5.222	0.16
1646.320	1.17	184.16	1646.149	18.160 S	5.379 W	5.547	0.19
1675.150	1.31	182.99	1674.973	18.781 S	5.418 W	5.858	0.15
1703.610	1.02	183.90	1703.427	19.359 S	5.452 W	6.149	0.30
1731.980	1.12	176.27	1731.792	19.888 S	5.451 W	6.441	0.18
1760.710	1.20	179.48	1760.516	20.468 S	5.430 W	6.779	0.11
1790.080	1.13	181.99	1789.880	21.064 S	5.437 W	7.102	0.09
1819.450	1.17	182.73	1819.244	21.652 S	5.462 W	7.407	0.05
1848.520	1.17	190.32	1848.308	22.242 S	5.529 W	7.676	0.16

**Trefoil-2**

<i>Measured Depth (metres)</i>	<i>Inclination (degrees)</i>	<i>Direction (degrees)</i>	<i>Vertical Depth (metres)</i>	<i>Latitude (metres)</i>	<i>Departure (metres)</i>	<i>Vertical Section (metres)</i>	<i>Dogleg (deg/30m)</i>
1877.800	1.13	190.92	1877.582	22.820 S	5.638 W	7.906	0.04
1906.650	1.23	192.98	1906.426	23.403 S	5.761 W	8.124	0.12
1934.670	1.08	194.42	1934.440	23.953 S	5.895 W	8.317	0.17
1963.220	0.48	64.50	1962.988	24.161 S	5.853 W	8.466	1.51
1992.330	0.56	59.70	1992.097	24.036 S	5.620 W	8.592	0.09
2021.460	0.59	61.98	2021.226	23.895 S	5.366 W	8.726	0.04
2050.740	0.64	78.76	2050.504	23.793 S	5.074 W	8.912	0.19
2080.190	0.61	81.26	2079.953	23.737 S	4.760 W	9.144	0.04
2102.200	0.68	80.27	2101.961	23.697 S	4.515 W	9.326	0.10
2138.040	0.69	75.36	2137.799	23.607 S	4.096 W	9.625	0.05
2195.190	0.63	82.85	2194.945	23.481 S	3.452 W	10.093	0.06
2253.190	0.62	89.29	2252.941	23.437 S	2.823 W	10.593	0.04
2281.350	0.84	88.95	2281.099	23.432 S	2.465 W	10.888	0.24
2310.290	0.91	90.74	2310.036	23.431 S	2.023 W	11.256	0.08
2339.670	0.80	84.68	2339.412	23.415 S	1.585 W	11.612	0.15
2398.220	0.81	98.78	2397.957	23.440 S	0.768 W	12.307	0.10
2426.570	1.08	93.16	2426.303	23.485 S	0.303 W	12.720	0.30
2454.950	0.96	91.77	2454.678	23.508 S	0.201 E	13.152	0.13
2484.550	1.06	89.94	2484.274	23.515 S	0.723 E	13.592	0.11
2524.750	1.00	97.22	2524.467	23.558 S	1.443 E	14.216	0.11
2557.550	1.13	91.00	2557.262	23.600 S	2.051 E	14.746	0.16
2588.200	1.30	90.35	2587.905	23.607 S	2.702 E	15.292	0.16
2646.630	1.43	86.39	2646.318	23.566 S	4.091 E	16.427	0.08
2674.000	1.51	91.33	2673.679	23.552 S	4.792 E	17.004	0.16
2702.980	1.62	88.34	2702.649	23.549 S	5.581 E	17.660	0.14
2732.910	1.69	88.47	2732.566	23.525 S	6.445 E	18.367	0.08
2762.560	1.85	89.89	2762.202	23.513 S	7.363 E	19.125	0.17
2791.490	1.82	85.29	2791.117	23.474 S	8.287 E	19.874	0.16
2819.890	1.94	85.21	2819.502	23.397 S	9.214 E	20.605	0.13
2847.720	2.06	83.71	2847.315	23.303 S	10.181 E	21.358	0.15
2876.190	2.24	81.90	2875.764	23.168 S	11.242 E	22.168	0.20
2905.640	2.46	85.79	2905.190	23.041 S	12.442 E	23.099	0.27
2935.670	2.58	82.74	2935.191	22.908 S	13.754 E	24.119	0.18
2963.220	2.93	85.15	2962.709	22.770 S	15.071 E	25.140	0.40
2992.320	2.88	83.61	2991.772	22.626 S	16.537 E	26.283	0.10
3021.530	3.01	83.20	3020.943	22.453 S	18.029 E	27.431	0.14
3051.620	3.07	82.21	3050.991	22.251 S	19.611 E	28.638	0.07
3080.660	3.23	81.34	3079.987	22.022 S	21.190 E	29.828	0.18
3101.980	3.47	82.50	3101.270	21.848 S	22.423 E	30.760	0.35
3130.210	3.75	81.59	3129.444	21.601 S	24.184 E	32.091	0.31
3167.650	3.79	84.07	3166.803	21.294 S	26.625 E	33.957	0.13
3194.790	3.87	83.32	3193.883	21.095 S	28.427 E	35.349	0.11
3223.600	4.33	83.41	3222.619	20.857 S	30.473 E	36.923	0.47
3235.000	4.33	83.41	3233.986	20.759 S	31.328 E	37.581	0.01

**CALCULATION BASED ON MINIMUM CURVATURE METHOD**

**SURVEY COORDINATES RELATIVE TO WELL SYSTEM REFERENCE POINT  
TVD VALUES GIVEN RELATIVE TO DRILLING MEASUREMENT POINT**

**VERTICAL SECTION RELATIVE TO WELL HEAD  
VERTICAL SECTION IS COMPUTED ALONG A CLOSURE OF 123.53 DEGREES (GRID)  
A TOTAL CORRECTION OF 11.45 DEG FROM MAGNETIC NORTH TO GRID NORTH HAS BEEN APPLIED**

**HORIZONTAL DISPLACEMENT IS RELATIVE TO THE WELL HEAD.  
HORIZONTAL DISPLACEMENT(CLOSURE) AT 3235.000 METRES  
IS 37.581 METRES ALONG 123.53 DEGREES (GRID)**

**Final Survey Projected to TD.**