



# 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	-0.008	0.16
289.500	0.55	277.88	289.494	0.263 N	1.363 W	0.010	0.02
376.490	0.32	238.01	376.482	0.191 N	1.982 W	0.203	0.13
435.080	0.35	232.40	435.071	0.006 S	2.265 W	0.451	0.02
521.950	0.72	199.02	521.937	0.684 S	2.654 W	1.192	0.16
547.830	0.73	193.58	547.815	0.996 S	2.745 W	1.516	0.08
579.000	0.69	195.91	578.982	1.367 S	2.842 W	1.899	0.05
665.440	0.36	203.20	665.419	2.115 S	3.091 W	2.681	0.12
782.280	0.67	192.10	782.254	3.126 S	3.381 W	3.729	0.08
812.120	0.66	196.82	812.092	3.462 S	3.467 W	4.076	0.06
868.190	0.30	224.95	868.160	3.877 S	3.666 W	4.522	0.22
896.770	1.03	195.99	896.738	4.177 S	3.790 W	4.841	0.81
925.970	0.71	183.94	925.934	4.608 S	3.874 W	5.280	0.38
952.440	0.80	188.49	952.402	4.953 S	3.913 W	5.626	0.13
981.350	0.74	192.99	981.309	5.336 S	3.985 W	6.015	0.09
1010.200	0.83	198.72	1010.157	5.716 S	4.094 W	6.409	0.12
1067.210	0.87	190.96	1067.160	6.533 S	4.309 W	7.252	0.06
1095.870	0.84	194.49	1095.817	6.950 S	4.403 W	7.680	0.07
1153.510	1.11	191.81	1153.449	7.905 S	4.623 W	8.660	0.14
1182.360	1.27	187.06	1182.293	8.496 S	4.719 W	9.258	0.20
1211.300	0.97	182.63	1211.227	9.059 S	4.770 W	9.820	0.33
1240.320	1.00	184.76	1240.243	9.555 S	4.802 W	10.312	0.05
1269.440	0.96	179.68	1269.359	10.052 S	4.822 W	10.803	0.10
1298.710	1.13	178.12	1298.624	10.585 S	4.811 W	11.324	0.17
1327.950	1.27	184.82	1327.857	11.194 S	4.829 W	11.925	0.20
1357.120	1.31	184.97	1357.020	11.849 S	4.885 W	12.578	0.04
1385.950	1.43	187.08	1385.842	12.534 S	4.958 W	13.264	0.13
1414.800	1.33	186.15	1414.684	13.223 S	5.038 W	13.956	0.11
1443.260	1.42	189.23	1443.135	13.898 S	5.129 W	14.635	0.12
1471.760	1.41	188.55	1471.627	14.593 S	5.238 W	15.338	0.02
1500.560	1.44	186.77	1500.418	15.304 S	5.334 W	16.054	0.06
1529.740	1.02	177.87	1529.591	15.928 S	5.367 W	16.673	0.48
1559.000	1.11	183.32	1558.846	16.472 S	5.374 W	17.207	0.14
1588.150	1.05	181.86	1587.991	17.022 S	5.399 W	17.751	0.07
1617.270	1.14	175.03	1617.105	17.577 S	5.383 W	18.293	0.16
1646.320	1.17	184.16	1646.149	18.160 S	5.379 W	18.863	0.19
1675.150	1.31	182.99	1674.973	18.781 S	5.418 W	19.480	0.15
1703.610	1.02	183.90	1703.427	19.359 S	5.452 W	20.053	0.30
1731.980	1.12	176.27	1731.792	19.888 S	5.451 W	20.572	0.18
1760.710	1.20	179.48	1760.516	20.468 S	5.430 W	21.136	0.11
1790.080	1.13	181.99	1789.880	21.064 S	5.437 W	21.722	0.09
1819.450	1.17	182.73	1819.244	21.652 S	5.462 W	22.303	0.05
1848.520	1.17	190.32	1848.308	22.242 S	5.529 W	22.894	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>
<b>1877.800</b>	<b>1.13</b>	<b>190.92</b>	<b>1877.582</b>	<b>22.820 S</b>	<b>5.638 W</b>	<b>23.483</b>	<b>0.04</b>
<b>1906.650</b>	<b>1.23</b>	<b>192.98</b>	<b>1906.426</b>	<b>23.403 S</b>	<b>5.761 W</b>	<b>24.079</b>	<b>0.12</b>
<b>1934.670</b>	<b>1.08</b>	<b>194.42</b>	<b>1934.440</b>	<b>23.953 S</b>	<b>5.895 W</b>	<b>24.644</b>	<b>0.17</b>
<b>1963.220</b>	<b>0.48</b>	<b>64.50</b>	<b>1962.988</b>	<b>24.161 S</b>	<b>5.853 W</b>	<b>24.840</b>	<b>1.51</b>
<b>1992.330</b>	<b>0.56</b>	<b>59.70</b>	<b>1992.097</b>	<b>24.036 S</b>	<b>5.620 W</b>	<b>24.672</b>	<b>0.09</b>
<b>2021.460</b>	<b>0.59</b>	<b>61.98</b>	<b>2021.226</b>	<b>23.895 S</b>	<b>5.366 W</b>	<b>24.483</b>	<b>0.04</b>
<b>2050.740</b>	<b>0.64</b>	<b>78.76</b>	<b>2050.504</b>	<b>23.793 S</b>	<b>5.074 W</b>	<b>24.326</b>	<b>0.19</b>
<b>2080.190</b>	<b>0.61</b>	<b>81.26</b>	<b>2079.953</b>	<b>23.737 S</b>	<b>4.760 W</b>	<b>24.210</b>	<b>0.04</b>

**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 191.34 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 2080.190 METRES  
IS 24.210 METRES ALONG 191.34 DEGREES (GRID)**