



Gyro Survey Report

Client: Santos Ltd

Well: West Mereenie 21

Field: Mereenie

Latitude: 023° 56' 07.32" S.

Longitude: 131° 24' 43.65" E.

Survey Date: 1-Oct-13

Survey Engineer: J. Hollingworth

HURACAN

[illegible]

Three Dimensional Well Profile / NS - EW Plot

HURACAN

Well Information

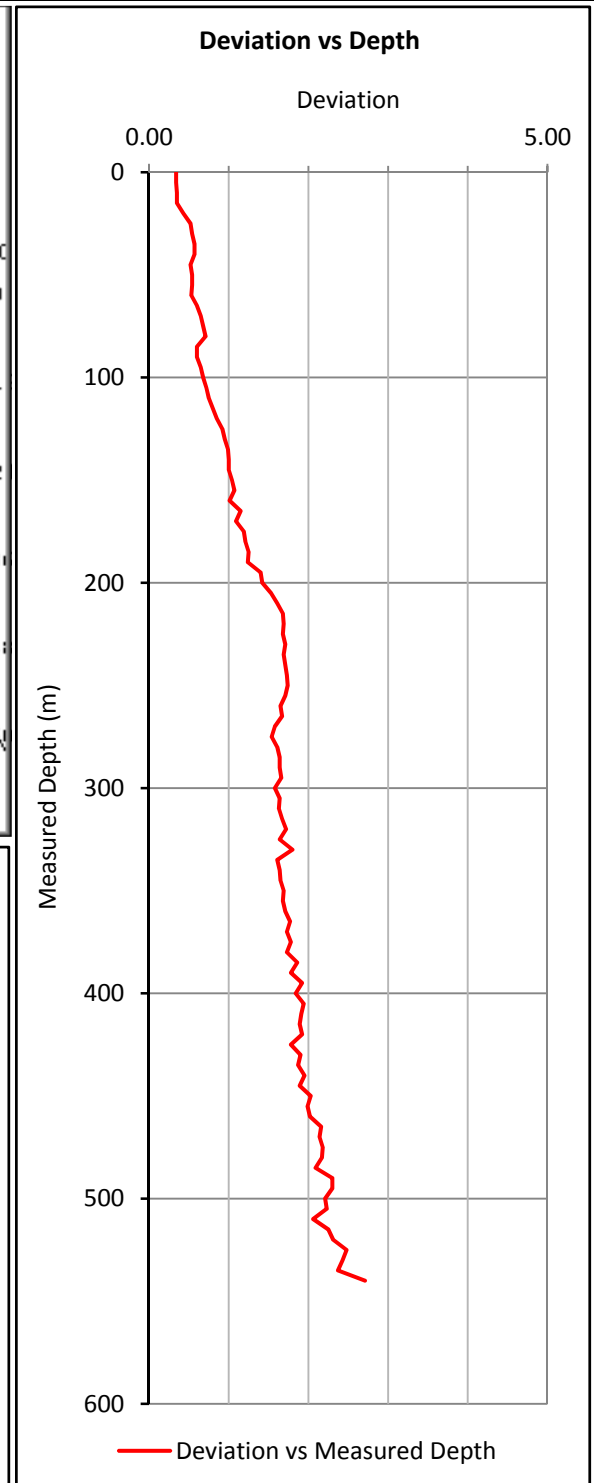
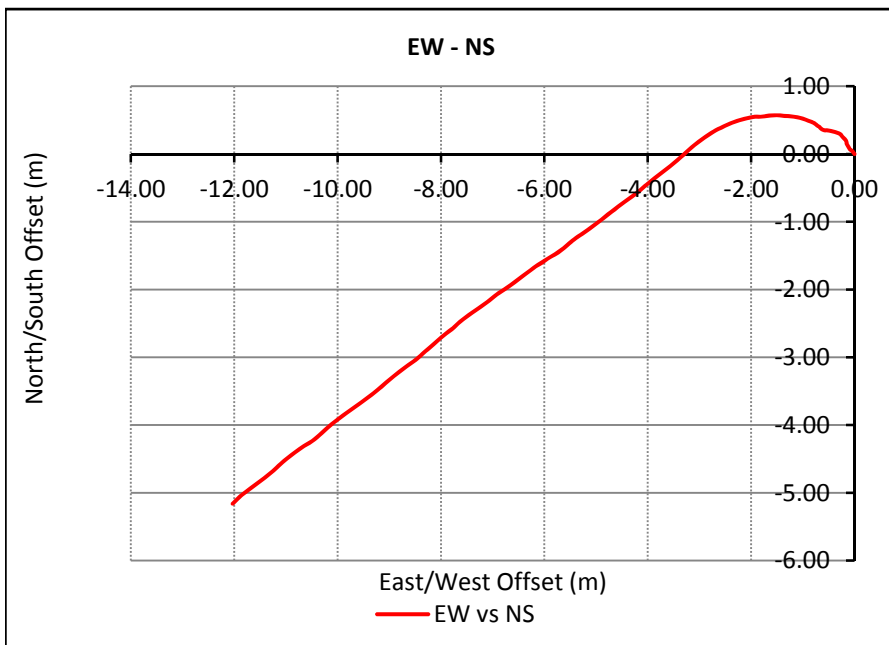
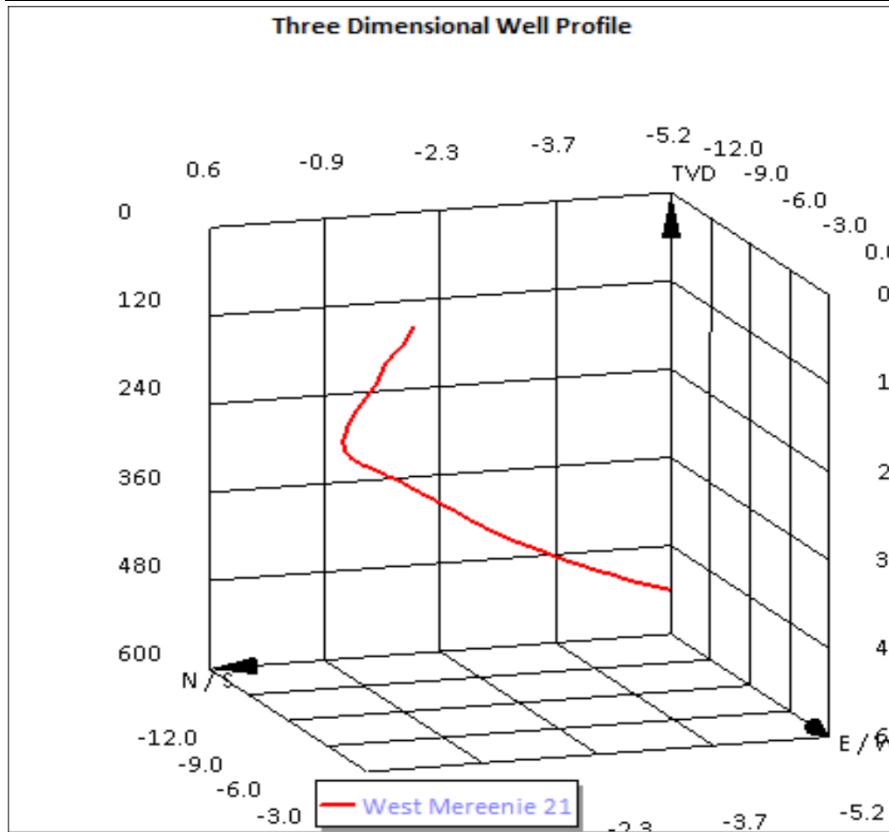
Client Santos Ltd	Well Name West Mereenie 21	Field Mereenie
Country Australia	State Northern Territory	Survey Tool North Seeking Gyro

Survey Information

Reference Datum Ground Level	Ground Level 749.4 m	Depth Reference OKB	Elevation 5.15 m	Survey From 0 m MD	Survey To 540 m MD
Survey Date 1-Oct-13	Survey Reference True North	Latitude 023° 56' 07.32" S.	Longitude 131° 24' 43.65" E.	Datum GDA94	Zone 52
Map Northing 7 350 831.735 N	Map Easting 745 511.188 E	Conveyance Type Wireline	Wireline Company Huracan	Survey Engineer J. Hollingworth	Tool Serial Number 1307

Comments

Profile computed using minimum curvature method.



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Santos Ltd Rep G. Nairn	Survey Engineer J. Hollingworth			Wireline Company Huracan		Conveyance Wireline	Tools SN 1307
Comments							
Profile computed using minimum curvature method.							
Measured Depth [m]	Inclination [deg]	Azimuth [deg]	Closure Direction	True Vertical Depth [m]	Northing (Latitude) [m]	Easting (Departure) [m]	Closure Distance
0.0	0.34	319.10	0.00	0	0.00	0.00	0.00
5.0	0.34	320.16	315.00	5.00	0.02	-0.02	0.03
10.0	0.35	294.42	312.80	10.00	0.04	-0.04	0.06
15.0	0.35	306.47	311.95	15.00	0.06	-0.07	0.09
20.0	0.43	311.62	308.13	20.00	0.07	-0.09	0.12
25.0	0.52	323.90	312.51	25.00	0.11	-0.12	0.16
30.0	0.54	340.28	315.00	30.00	0.15	-0.15	0.21
35.0	0.57	328.03	319.78	35.00	0.19	-0.16	0.25
40.0	0.57	314.76	319.24	40.00	0.23	-0.20	0.30
45.0	0.52	300.25	317.78	45.00	0.26	-0.24	0.35
50.0	0.54	302.46	317.05	50.00	0.29	-0.27	0.40
55.0	0.54	285.36	314.09	54.99	0.31	-0.32	0.45
60.0	0.53	284.49	311.59	60.00	0.32	-0.36	0.48
65.0	0.60	280.19	308.83	65.00	0.33	-0.41	0.53
70.0	0.65	283.82	306.19	70.00	0.34	-0.46	0.58
75.0	0.68	270.26	303.90	75.00	0.35	-0.52	0.63
80.0	0.71	269.52	300.99	80.00	0.35	-0.58	0.68
85.0	0.60	319.27	299.92	85.00	0.37	-0.64	0.73
90.0	0.60	306.24	300.36	90.00	0.40	-0.68	0.78
95.0	0.65	298.77	300.58	95.00	0.42	-0.72	0.83
100.0	0.68	295.82	300.33	100.00	0.45	-0.77	0.89
105.0	0.72	288.01	299.95	105.00	0.47	-0.82	0.95
110.0	0.75	286.43	299.02	109.99	0.49	-0.89	1.02
115.0	0.80	283.35	297.93	115.27	0.51	-0.96	1.08
120.0	0.85	281.17	297.12	120.00	0.53	-1.03	1.15
125.0	0.92	278.52	296.15	124.99	0.54	-1.10	1.22
130.0	0.95	277.56	294.98	129.99	0.55	-1.18	1.30
135.0	0.99	274.96	293.83	135.00	0.56	-1.27	1.38
140.0	1.00	272.29	292.54	139.99	0.56	-1.35	1.46
145.0	1.00	272.98	291.57	144.99	0.57	-1.44	1.55
150.0	1.04	270.60	290.42	149.98	0.57	-1.53	1.63
155.0	1.07	268.10	289.31	154.99	0.57	-1.62	1.72
160.0	1.01	266.82	288.10	159.99	0.56	-1.71	1.80
165.0	1.15	264.84	286.90	164.99	0.55	-1.81	1.89
170.0	1.09	264.66	286.06	169.98	0.55	-1.91	1.99
175.0	1.19	263.93	284.99	174.98	0.54	-2.01	2.08

180.0	1.21	260.38	283.93	179.99	0.52	-2.11	2.17
185.0	1.25	257.46	282.73	184.98	0.50	-2.21	2.27
190.0	1.24	252.89	281.65	189.99	0.48	-2.32	2.37
195.0	1.40	253.44	280.26	194.98	0.44	-2.43	2.47
200.0	1.42	249.36	278.92	199.97	0.40	-2.54	2.57
205.0	1.53	246.96	277.68	204.97	0.36	-2.66	2.69
210.0	1.61	245.01	276.11	209.98	0.30	-2.79	2.81
215.0	1.68	242.72	274.57	214.97	0.23	-2.92	2.93
220.0	1.69	238.87	273.12	219.97	0.17	-3.04	3.05
225.0	1.68	236.61	271.61	224.97	0.09	-3.16	3.16
230.0	1.71	235.41	270.00	229.96	0.00	-3.29	3.29
235.0	1.69	236.62	268.71	234.96	-0.08	-3.41	3.41
240.0	1.71	236.25	267.40	239.96	-0.16	-3.54	3.54
245.0	1.73	240.33	266.26	244.96	-0.24	-3.66	3.67
250.0	1.74	239.32	265.27	249.96	-0.31	-3.79	3.81
255.0	1.71	237.27	264.27	254.96	-0.39	-3.92	3.94
260.0	1.65	237.84	263.36	259.95	-0.47	-4.05	4.07
265.0	1.67	239.62	262.50	264.95	-0.55	-4.17	4.20
270.0	1.58	240.94	261.81	269.95	-0.62	-4.29	4.33
275.0	1.54	239.77	261.17	274.95	-0.68	-4.40	4.46
280.0	1.61	241.18	260.59	279.94	-0.75	-4.53	4.59
285.0	1.64	239.59	259.95	284.94	-0.82	-4.64	4.72
290.0	1.64	242.65	259.42	289.95	-0.89	-4.77	4.85
295.0	1.66	238.99	258.80	294.94	-0.97	-4.89	4.99
300.0	1.58	242.72	258.30	299.94	-1.04	-5.02	5.13
305.0	1.64	241.37	257.85	304.94	-1.11	-5.14	5.26
310.0	1.63	240.98	257.38	309.93	-1.18	-5.27	5.40
315.0	1.67	240.48	257.01	314.93	-1.24	-5.39	5.54
320.0	1.72	237.77	256.56	319.93	-1.32	-5.52	5.67
325.0	1.64	239.88	256.10	324.93	-1.40	-5.64	5.81
330.0	1.80	244.28	255.75	329.93	-1.47	-5.77	5.96
335.0	1.61	243.72	255.49	334.92	-1.53	-5.91	6.11
340.0	1.64	242.94	255.19	339.92	-1.60	-6.04	6.25
345.0	1.65	242.08	254.94	344.92	-1.66	-6.17	6.39
350.0	1.69	240.51	254.60	349.92	-1.73	-6.29	6.53
355.0	1.68	240.18	254.32	354.91	-1.80	-6.42	6.67
360.0	1.71	241.45	254.00	359.91	-1.88	-6.55	6.81
365.0	1.77	242.66	253.75	364.91	-1.95	-6.68	6.96
370.0	1.73	240.74	253.48	369.90	-2.02	-6.82	7.11
375.0	1.78	240.41	253.26	374.91	-2.09	-6.95	7.26
380.0	1.73	238.44	252.94	379.90	-2.17	-7.08	7.41
385.0	1.86	240.16	252.70	384.90	-2.25	-7.22	7.56
390.0	1.78	243.20	252.50	389.90	-2.32	-7.36	7.72
395.0	1.92	238.55	252.25	394.90	-2.40	-7.50	7.87
400.0	1.84	234.57	251.98	399.89	-2.48	-7.64	8.03
405.0	1.94	238.41	251.64	404.89	-2.58	-7.78	8.20
410.0	1.91	239.42	251.41	409.89	-2.66	-7.92	8.36
415.0	1.89	237.46	251.18	414.88	-2.75	-8.06	8.52
420.0	1.92	235.03	250.86	419.88	-2.84	-8.19	8.67
425.0	1.78	235.84	250.62	424.88	-2.93	-8.33	8.83
430.0	1.90	239.71	250.35	429.87	-3.02	-8.46	8.98
435.0	1.87	240.18	250.19	434.87	-3.10	-8.60	9.14
440.0	1.95	240.14	250.02	439.87	-3.18	-8.75	9.31
445.0	1.89	238.79	249.83	444.87	-3.27	-8.90	9.48

450.0	2.03	239.33	249.59	449.87	-3.36	-9.04	9.65
455.0	1.99	236.54	249.39	454.86	-3.46	-9.19	9.82
460.0	2.02	239.00	249.21	459.86	-3.55	-9.34	10.00
465.0	2.16	237.20	249.03	464.85	-3.64	-9.50	10.17
470.0	2.14	241.51	248.90	469.85	-3.73	-9.66	10.35
475.0	2.18	240.06	248.77	474.85	-3.82	-9.82	10.54
480.0	2.17	240.43	248.60	479.85	-3.91	-9.99	10.73
485.0	2.09	238.34	248.44	484.84	-4.01	-10.15	10.91
490.0	2.30	233.81	248.23	489.83	-4.12	-10.31	11.10
495.0	2.30	240.41	248.00	494.83	-4.23	-10.48	11.30
500.0	2.21	244.22	247.95	499.83	-4.31	-10.65	11.49
505.0	2.23	240.67	247.86	504.82	-4.40	-10.82	11.68
510.0	2.06	237.23	247.72	509.82	-4.50	-10.99	11.88
515.0	2.25	234.98	247.56	514.82	-4.60	-11.14	12.05
520.0	2.31	238.43	247.35	519.81	-4.72	-11.31	12.26
525.0	2.48	240.30	247.23	524.81	-4.82	-11.49	12.46
530.0	2.43	239.14	247.10	529.81	-4.93	-11.67	12.67
535.0	2.37	240.31	247.00	534.80	-5.03	-11.85	12.88
540.0	2.71	229.93	246.78	539.80	-5.16	-12.03	13.09