

Client..... Santos Limited
Field..... Otway

Well..... Henry-2DW1
API number..... 08ASQ0011
Engineer..... Anagh Kohli

Rig..... Ocean Patriot
STATE..... Victoria

Spud date..... 25-Aug-08
Last survey date..... 18-Sep-08
Total accepted surveys... 17
MD of first survey..... 1606.72 m
MD of last survey..... 2047.00 m

----- Survey calculation methods-----
Method for positions..... Minimum curvature
Method for DLS..... Mason & Taylor

----- Depth reference -----
Permanent datum..... MSL
Depth reference..... Driller's Depth
GL above permanent..... -67.00 m
KB above permanent..... 20.80 m
DF above permanent..... 20.80 m

----- Vertical section origin-----
Latitude (+N/S-)..... 0.00 m
Departure (+E/W-)..... 0.00 m

----- Platform reference point-----
Latitude (+N/S-)..... -304.57 m
Departure (+E/W-)..... -304.57 m

Azimuth from Vsect Origin to target: 119.01 degrees

----- Geomagnetic data -----
Magnetic model..... BGGM version 2008
Magnetic date..... 25-Sep-2008
Magnetic field strength... 1216.30 HCNT
Magnetic dec (+E/W-)..... 10.77 degrees
Magnetic dip..... -69.86 degrees

----- MWD survey Reference Criteria -----
Reference G..... 1000.07 mGal
Reference H..... 1216.30 HCNT
Reference Dip..... -69.86 degrees
Tolerance of G..... (+/-) 2.50 mGal
Tolerance of H..... (+/-) 6.00 HCNT
Tolerance of Dip..... (+/-) 0.45 degrees

----- Corrections -----
Magnetic dec (+E/W-)..... 10.77 degrees
Grid convergence (+E/W-).. -1.01 degrees
Total az corr (+E/W-)..... 11.78 degrees
(Total az corr = magnetic dec - grid conv)
Survey Correction Type ...:
I=Sag Corrected Inclination
M=Schlumberger Magnetic Correction
S=Shell Magnetic Correction
F=Failed Axis Correction
R=Magnetic Resonance Tool Correction
D=Dmag Magnetic Correction

[(c)2008 IDEAL ID13_OC_11]
SCHLUMBERGER Survey Report

5-Oct-2008 01:31:21

Page 2 of 2

Seq #	Measured depth (m)	Incl angle (deg)	Azimuth angle (deg)	Course length (m)	TVD depth (m)	Vertical section (m)	Displ +N/S- (m)	Displ +E/W- (m)	Total displ (m)	At Azim (deg)	DLS (deg/ 100f)	Srvy tool type	Tool Corr (deg)
1	1606.72	41.45	112.42	0.00	1507.50	331.64	-171.57	284.08	331.87	121.13	0.00	TIP	None
2	1632.48	42.47	113.86	25.76	1526.66	348.77	-178.34	299.92	348.93	120.74	1.66	PUP	None
3	1659.21	42.31	111.94	26.73	1546.40	366.69	-185.35	316.51	366.79	120.35	1.49	PUP	None
4	1687.29	44.02	112.28	28.08	1566.88	385.76	-192.58	334.31	385.81	119.94	1.87	PUP	None
5	1715.86	46.85	112.60	28.57	1586.92	405.98	-200.35	353.12	406.00	119.57	3.03	PUP	None
6	1744.82	50.14	111.64	28.96	1606.11	427.51	-208.51	373.21	427.51	119.19	3.54	PUP	None
7	1773.18	53.83	111.56	28.36	1623.58	449.66	-216.74	393.98	449.66	118.82	3.97	PUP	None
8	1802.92	57.48	112.07	29.74	1640.35	474.02	-225.86	416.77	474.04	118.45	3.77	PUP	None
9	1832.14	60.75	112.81	29.22	1655.35	498.93	-235.44	439.95	498.98	118.15	3.47	PUP	None
10	1861.18	64.01	114.45	29.04	1668.81	524.54	-245.75	463.51	524.63	117.93	3.75	PUP	None
11	1889.06	67.45	115.13	27.88	1680.27	549.88	-256.41	486.58	550.01	117.79	3.82	PUP	None
12	1918.99	71.15	114.70	29.93	1690.85	577.80	-268.20	511.97	577.97	117.65	3.79	PUP	None
13	1946.70	75.01	115.29	27.71	1698.91	604.25	-279.40	535.99	604.45	117.53	4.29	PUP	None
14	1975.88	78.74	115.03	29.18	1705.54	632.59	-291.48	561.71	632.84	117.43	3.91	PUP	None
15	2005.06	82.46	115.16	29.18	1710.30	661.31	-303.69	587.78	661.60	117.32	3.89	PUP	None
16	2026.77	82.19	115.78	21.71	1713.20	682.78	-312.94	607.20	683.10	117.27	0.94	PUP	None
17	2047.00	82.15	116.38	20.23	1715.96	702.80	-321.75	625.20	703.14	117.23	0.90	Proj.	To TD

[(c)2008 IDEAL ID13_OC_11]