

Anzon Australia Ltd.

Manta #2

Manta #2

Manta #2A

Manta #2A

Survey: 8-1/2" Hole

Standard Survey Report

09 February, 2006

Halliburton Company

Survey Report

Company: Anzon Australia Ltd.	Local Co-ordinate Reference: Well Manta #2A
Project: Manta #2	TVD Reference: WELL @ 21.50m (Original Well Elev)
Site: Manta #2	MD Reference: WELL @ 21.50m (Original Well Elev)
Well: Manta #2A	North Reference: Grid
Wellbore: Manta #2A	Survey Calculation Method: Minimum Curvature
Design: Manta #2A	Database: EDM 2003.11 Single User Db

Project Manta #2	
Map System: Universal Transverse Mercator	System Datum: Mean Sea Level
Geo Datum: GDA94	
Map Zone: Zone 55S (144 E to 150 E)	

Site Manta #2		
Site Position:	Northing: 5,762,004.00 m	Latitude: 38° 16' 38.935" S
From: Map	Easting: 650,119.90 m	Longitude: 148° 42' 58.582" E
Position Uncertainty: 0.00 m	Slot Radius: in	Grid Convergence: -1.06 °

Well Manta #2A			
Well Position	+N/-S 0.00 m	Northing: 5,761,989.60 m	Latitude: 38° 16' 39.410" S
	+E/-W 0.00 m	Easting: 650,106.20 m	Longitude: 148° 42' 58.030" E
Position Uncertainty	0.00 m	Wellhead Elevation: m	Water Depth: 134.30 m

Wellbore Manta #2A					
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2005	22/01/2006	13.38	-68.71	59,899

Design Manta #2A					
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	
Vertical Section:	Depth From (TVD) (m)	+N/-S (m)	+E/-W (m)	Direction (°)	
	0.00	0.00	0.00	53.88	

Survey Program		Date 9/02/2006		
From (m)	To (m)	Survey (Wellbore)	Tool Name	Description
189.00	189.00	36" Hole (Manta #2A)	DIPMETER	Dipmeter or other wireline log
189.00	975.13	17-1/2" Hole (Manta #2A)	MWD	
1,010.83	2,704.51	12-1/4" Hole (Manta #2A)	MWD	
2,737.79	3,088.41	8-1/2" Hole (Manta #2A)	MWD	

Survey										
Measured Depth (m)	Inclination (°)	Azimuth (°)	Vertical Depth (m)	+N/-S (m)	+E/-W (m)	Vertical Section (m)	Dogleg Rate (°/30m)	Build Rate (°/30m)	Turn Rate (°/30m)	
2,704.51	22.97	91.88	2,526.40	589.98	639.87	864.66	0.000	0.00	0.00	
2,737.79	23.49	91.43	2,556.98	589.60	653.00	875.04	0.495	0.47	-0.41	
2,766.21	23.67	91.88	2,583.03	589.27	664.36	884.02	0.269	0.19	0.48	
2,795.09	23.65	91.16	2,609.48	588.97	675.94	893.20	0.301	-0.02	-0.75	
2,824.38	24.43	91.04	2,636.23	588.74	687.87	902.70	0.800	0.80	-0.12	
2,853.10	24.76	90.91	2,662.34	588.54	699.83	912.24	0.349	0.34	-0.14	
2,881.53	25.09	90.31	2,688.13	588.41	711.81	921.84	0.439	0.35	-0.63	
2,909.96	25.18	90.87	2,713.86	588.28	723.88	931.52	0.268	0.09	0.59	
2,938.50	25.39	90.79	2,739.67	588.11	736.07	941.26	0.224	0.22	-0.08	
2,967.29	26.00	90.21	2,765.61	588.00	748.55	951.28	0.688	0.64	-0.60	

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Well: Manta #2A	North Reference: Grid
Wellbore: Manta #2A	Survey Calculation Method: Minimum Curvature
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Measured Depth (m)	Inclination (°)	Azimuth (°)	Vertical Depth (m)	+N/-S (m)	+E/-W (m)	Vertical Section (m)	Dogleg Rate (°/30m)	Build Rate (°/30m)	Turn Rate (°/30m)
2,996.10	26.25	89.69	2,791.48	588.01	761.24	961.54	0.353	0.26	-0.54
3,024.89	26.67	89.15	2,817.25	588.14	774.07	971.97	0.504	0.44	-0.56
3,053.49	27.18	90.68	2,842.75	588.16	787.02	982.44	0.902	0.53	1.60
3,088.41	27.97	89.65	2,873.71	588.11	803.18	995.48	0.793	0.68	-0.88

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (m)	+N/-S (m)	+E/-W (m)	Northing (m)	Easting (m)	Latitude	Longitude
Manta #2 First Target - hit/miss target - Shape	0.00	0.00	2,521.50	590.40	635.30	5,762,580.00	650,741.50	38° 16' 19.880" S	148° 43' 23.714" E
- survey misses by 6.72m at 2704.51m MD (2526.40 TVD, 589.98 N, 639.87 E)									
- Point									
Top of Reservoir Zone - survey misses by 5.05m at 2946.06m MD (2746.50 TVD, 588.07 N, 739.32 E)	0.00	0.00	2,746.50	590.40	743.80	5,762,580.00	650,850.00	38° 16' 19.815" S	148° 43' 28.177" E
- Polygon									
Point 1				-25.00	20.00	5,762,600.00	650,825.00		
Point 2				50.00	20.00	5,762,600.00	650,900.00		
Point 3				50.00	-20.00	5,762,560.00	650,900.00		
Point 4				-25.00	-20.00	5,762,560.00	650,825.00		

Measured Depth (m)	Vertical Depth (m)	Name	Casing Diameter (in)	Hole Diameter (in)
189.00			30.000	36.000
994.00			13.375	17.500
2,706.45	2,528.19	9 5/8"	9.625	12.250

Measured Depth (m)	Vertical Depth (m)	Local Coordinates		Comment
(m)	(m)	+N/-S (m)	+E/-W (m)	(m)
3,053.49	2,842.75	588.50	787.01	Azimuth correction for Mag error due to Volcanics

Checked By: _____ Approved By: _____ Date: _____