

Anzon Australia Ltd.

Manta #2

Manta #2

Manta #2A

Manta #2A

Survey: 8-1/2" Hole

Standard Survey Report

08 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	8/02/2006			
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	2,766.21	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	

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Wellbore: Manta #2A	Survey Calculation Method: Minimum Curvature
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Targets									
Target Name	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- hit/miss target	(°)	(°)	(m)	m	m	(m)	(m)		
- Shape									
Manta #2 First Target	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	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
- survey misses by 181.76m at 2766.21m MD (2583.03 TVD, 589.27 N, 664.36 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		

Casing Points					
Measured Depth	Vertical Depth		Name	Casing Diameter	Hole Diameter
(m)	(m)			(in)	(in)
189.00		30"		30.000	36.000
994.00		13 3/8"		13.375	17.500
2,706.45	2,528.19	9 5/8"		9.625	12.250

Checked By: _____ Approved By: _____ Date: _____