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Pathfinder Energy

Planning Report

Company: Marbob Energy	Date: 01/09/2008	Time: 15:35:06	Page: 3
Field: Magnum Pronto	Co-ordinate(NE) Reference Site: Magnum Pronto, Grid North		
Site: Magnum Pronto	Vertical (TVD) Reference SITE 0.0		
Well: Magnum Pronto #3-H	Section (VS) Reference: Well (0.00N,0.00E,180.00Azi)		
Wellpath: Original Hole	Plan: Plan #1 1/9/08		

Survey

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
7000.00	0.00	0.00	7000.00	0.00	0.00	0.00	0.00	0.00	0.00	
7100.00	0.00	0.00	7100.00	0.00	0.00	0.00	0.00	0.00	0.00	
7200.00	0.00	0.00	7200.00	0.00	0.00	0.00	0.00	0.00	0.00	
7300.00	0.00	0.00	7300.00	0.00	0.00	0.00	0.00	0.00	0.00	
7400.00	0.00	0.00	7400.00	0.00	0.00	0.00	0.00	0.00	0.00	
7500.00	0.00	0.00	7500.00	0.00	0.00	0.00	0.00	0.00	0.00	
7600.00	0.00	0.00	7600.00	0.00	0.00	0.00	0.00	0.00	0.00	
7700.00	0.00	0.00	7700.00	0.00	0.00	0.00	0.00	0.00	0.00	
7800.00	0.00	0.00	7800.00	0.00	0.00	0.00	0.00	0.00	0.00	
7900.00	0.00	0.00	7900.00	0.00	0.00	0.00	0.00	0.00	0.00	
8000.00	0.00	0.00	8000.00	0.00	0.00	0.00	0.00	0.00	0.00	
8100.00	0.00	0.00	8100.00	0.00	0.00	0.00	0.00	0.00	0.00	
8200.00	0.00	0.00	8200.00	0.00	0.00	0.00	0.00	0.00	0.00	
8300.00	0.00	0.00	8300.00	0.00	0.00	0.00	0.00	0.00	0.00	
8400.00	0.00	0.00	8400.00	0.00	0.00	0.00	0.00	0.00	0.00	
8500.00	0.00	0.00	8500.00	0.00	0.00	0.00	0.00	0.00	0.00	
8600.00	0.00	0.00	8600.00	0.00	0.00	0.00	0.00	0.00	0.00	
8700.00	0.00	0.00	8700.00	0.00	0.00	0.00	0.00	0.00	0.00	
8797.50	0.00	0.00	8797.50	0.00	0.00	0.00	0.00	0.00	0.00	KOP @ 8797.5' MD/TVD w/12
8800.00	0.30	180.00	8800.00	-0.01	0.00	0.01	12.00	12.00	0.00	
8900.00	12.30	180.00	8899.21	-10.96	0.00	10.96	12.00	12.00	0.00	
9000.00	24.30	180.00	8993.98	-42.30	0.00	42.30	12.00	12.00	0.00	
9100.00	36.30	180.00	9080.17	-92.66	0.00	92.66	12.00	12.00	0.00	
9200.00	48.30	180.00	9154.00	-159.83	0.00	159.83	12.00	12.00	0.00	
9300.00	60.30	180.00	9212.25	-240.89	0.00	240.89	12.00	12.00	0.00	
9400.00	72.29	180.00	9252.38	-332.28	0.00	332.28	12.00	12.00	0.00	
9500.00	84.29	180.00	9272.63	-430.02	0.00	430.02	12.00	12.00	0.00	
9547.56	90.00	180.00	9275.00	-477.50	0.00	477.50	12.00	12.00	0.00	EOC @ 9548' MD / 9275' TV
9600.00	90.00	180.00	9275.00	-529.94	0.00	529.94	0.01	0.00	0.01	
9700.00	90.00	180.00	9275.00	-629.94	-0.01	629.94	0.00	0.00	0.00	
9800.00	90.00	180.00	9275.00	-729.94	-0.02	729.94	0.00	0.00	0.00	
9900.00	90.00	180.00	9275.00	-829.94	-0.02	829.94	0.00	0.00	0.00	
10000.00	90.00	180.00	9275.00	-929.94	-0.03	929.94	0.00	0.00	0.00	
10100.00	90.00	180.00	9275.00	-1029.94	-0.04	1029.94	0.00	0.00	0.00	
10200.00	90.00	180.00	9275.00	-1129.94	-0.04	1129.94	0.00	0.00	0.00	
10300.00	90.00	180.00	9275.00	-1229.94	-0.05	1229.94	0.00	0.00	0.00	
10400.00	90.00	180.00	9275.00	-1329.94	-0.06	1329.94	0.00	0.00	0.00	
10500.00	90.00	180.00	9275.00	-1429.94	-0.06	1429.94	0.00	0.00	0.00	
10600.00	90.00	180.00	9275.00	-1529.94	-0.07	1529.94	0.00	0.00	0.00	
10700.00	90.00	180.00	9275.00	-1629.94	-0.08	1629.94	0.00	0.00	0.00	
10800.00	90.00	180.00	9275.00	-1729.94	-0.08	1729.94	0.00	0.00	0.00	
10900.00	90.00	180.00	9275.00	-1829.94	-0.09	1829.94	0.00	0.00	0.00	
11000.00	90.00	180.00	9275.00	-1929.94	-0.10	1929.94	0.00	0.00	0.00	
11049.66	90.00	180.00	9275.00	-1979.60	-0.10	1979.60	0.00	0.00	0.00	Magnum Pronto #3H PBHL

Targets

Name	Description Dip. Dir.	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	<--- Latitude --->			<--- Longitude --->		
Magnum Pronto #3H PBHL		9275.00	-1979.60	-0.10	588861.80	667271.90	32	37	3.756 N	103	47	24 242 W

Pathfinder Energy

Planning Report

Company: Marbob Energy	Date: 01/09/2008	Time: 15:35:06	Page: 4
Field: Magnum Pronto	Co-ordinate(NE) Reference: Magnum Pronto, Grid North		
Site: Magnum Pronto	Vertical (TVD) Reference: SITE 0.0		
Well: Magnum Pronto #3-H	Section (VS) Reference: Well (0.00N,0.00E,180.00Azi)		
Wellpath: Original Hole	Plan: Plan #1 1/9/08		

Annotation

MD ft	TVD ft	
8797.50	8797.50	KOP @ 8797.5' MD/TVD w/12° DLS
9547.56	9275.00	EOC @ 9548' MD / 9275' TVD

Marbob Energy

Field: **Magnum Pronto**
 Site: **Magnum Pronto**
 Well: **Magnum Pronto #3-H**
 Wellpath: **Original Hole**
 Plan: **Plan #1 1/9/08**

COMPANY DETAILS

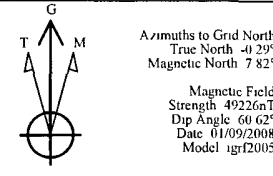
Marbob Energy
 2208 W. Main St
 Artesia New Mexico

Calculation Method Minimum Curvature
 Error System Systematic Ellipse
 Scan Method Closest Approach 3D
 Error Surface Elliptical Cone
 Warning Method Error Ratio

PATHFINDER

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	
2	8797 50	0 00	0 00	8797 50	0 00	0 00	0 00	0 00	0 00	
3	9547 56	90 00	180 00	9275 00	-477 50	0 00	12 00	180 00	477 50	
4	9547 94	90 00	180 00	9275 00	-477 88	0 00	1 00	89 99	477 88	
5	11049 66	90 00	180 00	9275 00	-1979 60	-0 10	0 00	0 00	1979 60	Magnum Pronto #3H PBHL



WELL DETAILS

Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
Magnum Pronto #3-H	0 00	0 00	590841 40	667272 00	32°37'23.345N	103°47'24.122W	N/A

WELLPATH DETAILS

Original Hole			
Rig Ref Datum	N/A SITE	0 00ft	
V Section Angle	Origin +N/-S	Origin +E/-W	Starting From TVD
180 00°	0 00	0 00	9275 00

ANNOTATIONS

No	TVD	MD	Annotation
1	8797 50	8797 50	KOP @ 8797 5' MD/TVD w/12° DLS
2	9275 00	9547 56	EOC @ 9548' MD / 9275' TVD

