

Pathfinder Energy Planning Report

Company: Marbob Energy
Field: Gdyp State Com #1H
Site: Gdyp State Com #1H
Well: Gdyp State Com #1H
Wellpath: Original Hole

Date: 01/14/2008 Time: 17:04:58 Page: 2
Co-ordinate(NE) Reference: Gidyup State Com #1H, Grid North
Vertical (TYD) Reference: SITE 0.0
Section (VS) Reference: Well (0 00N,0.00E,89 50Azi)
Plan: Plan #1, 1-14-08

Survey

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
1700.00	0.00	0.00	1700.00	0.00	0.00	0.00	0.00	0.00	0.00	
1800.00	0.00	0.00	1800.00	0.00	0.00	0.00	0.00	0.00	0.00	
1900.00	0.00	0.00	1900.00	0.00	0.00	0.00	0.00	0.00	0.00	
2000.00	0.00	0.00	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	
2100.00	0.00	0.00	2100.00	0.00	0.00	0.00	0.00	0.00	0.00	
2200.00	0.00	0.00	2200.00	0.00	0.00	0.00	0.00	0.00	0.00	
2300.00	0.00	0.00	2300.00	0.00	0.00	0.00	0.00	0.00	0.00	
2400.00	0.00	0.00	2400.00	0.00	0.00	0.00	0.00	0.00	0.00	
2500.00	0.00	0.00	2500.00	0.00	0.00	0.00	0.00	0.00	0.00	
2600.00	0.00	0.00	2600.00	0.00	0.00	0.00	0.00	0.00	0.00	
2700.00	0.00	0.00	2700.00	0.00	0.00	0.00	0.00	0.00	0.00	
2800.00	0.00	0.00	2800.00	0.00	0.00	0.00	0.00	0.00	0.00	
2900.00	0.00	0.00	2900.00	0.00	0.00	0.00	0.00	0.00	0.00	
3000.00	0.00	0.00	3000.00	0.00	0.00	0.00	0.00	0.00	0.00	
3100.00	0.00	0.00	3100.00	0.00	0.00	0.00	0.00	0.00	0.00	
3200.00	0.00	0.00	3200.00	0.00	0.00	0.00	0.00	0.00	0.00	
3300.00	0.00	0.00	3300.00	0.00	0.00	0.00	0.00	0.00	0.00	
3400.00	0.00	0.00	3400.00	0.00	0.00	0.00	0.00	0.00	0.00	
3500.00	0.00	0.00	3500.00	0.00	0.00	0.00	0.00	0.00	0.00	
3600.00	0.00	0.00	3600.00	0.00	0.00	0.00	0.00	0.00	0.00	
3700.00	0.00	0.00	3700.00	0.00	0.00	0.00	0.00	0.00	0.00	
3800.00	0.00	0.00	3800.00	0.00	0.00	0.00	0.00	0.00	0.00	
3900.00	0.00	0.00	3900.00	0.00	0.00	0.00	0.00	0.00	0.00	
4000.00	0.00	0.00	4000.00	0.00	0.00	0.00	0.00	0.00	0.00	
4100.00	0.00	0.00	4100.00	0.00	0.00	0.00	0.00	0.00	0.00	
4200.00	0.00	0.00	4200.00	0.00	0.00	0.00	0.00	0.00	0.00	
4300.00	0.00	0.00	4300.00	0.00	0.00	0.00	0.00	0.00	0.00	
4400.00	0.00	0.00	4400.00	0.00	0.00	0.00	0.00	0.00	0.00	
4500.00	0.00	0.00	4500.00	0.00	0.00	0.00	0.00	0.00	0.00	
4600.00	0.00	0.00	4600.00	0.00	0.00	0.00	0.00	0.00	0.00	
4700.00	0.00	0.00	4700.00	0.00	0.00	0.00	0.00	0.00	0.00	
4800.00	0.00	0.00	4800.00	0.00	0.00	0.00	0.00	0.00	0.00	
4900.00	0.00	0.00	4900.00	0.00	0.00	0.00	0.00	0.00	0.00	
5000.00	0.00	0.00	5000.00	0.00	0.00	0.00	0.00	0.00	0.00	
5100.00	0.00	0.00	5100.00	0.00	0.00	0.00	0.00	0.00	0.00	
5200.00	0.00	0.00	5200.00	0.00	0.00	0.00	0.00	0.00	0.00	
5300.00	0.00	0.00	5300.00	0.00	0.00	0.00	0.00	0.00	0.00	
5400.00	0.00	0.00	5400.00	0.00	0.00	0.00	0.00	0.00	0.00	
5500.00	0.00	0.00	5500.00	0.00	0.00	0.00	0.00	0.00	0.00	
5600.00	0.00	0.00	5600.00	0.00	0.00	0.00	0.00	0.00	0.00	
5700.00	0.00	0.00	5700.00	0.00	0.00	0.00	0.00	0.00	0.00	
5800.00	0.00	0.00	5800.00	0.00	0.00	0.00	0.00	0.00	0.00	
5900.00	0.00	0.00	5900.00	0.00	0.00	0.00	0.00	0.00	0.00	
6000.00	0.00	0.00	6000.00	0.00	0.00	0.00	0.00	0.00	0.00	
6100.00	0.00	0.00	6100.00	0.00	0.00	0.00	0.00	0.00	0.00	
6200.00	0.00	0.00	6200.00	0.00	0.00	0.00	0.00	0.00	0.00	
6300.00	0.00	0.00	6300.00	0.00	0.00	0.00	0.00	0.00	0.00	
6400.00	0.00	0.00	6400.00	0.00	0.00	0.00	0.00	0.00	0.00	
6500.00	0.00	0.00	6500.00	0.00	0.00	0.00	0.00	0.00	0.00	
6600.00	0.00	0.00	6600.00	0.00	0.00	0.00	0.00	0.00	0.00	
6700.00	0.00	0.00	6700.00	0.00	0.00	0.00	0.00	0.00	0.00	
6800.00	0.00	0.00	6800.00	0.00	0.00	0.00	0.00	0.00	0.00	
6900.00	0.00	0.00	6900.00	0.00	0.00	0.00	0.00	0.00	0.00	

Pathfinder Energy

Planning Report

Company: Marbob Energy Field: Gidyup State Com #1H Site: Gidyup State Com #1H Well: Gidyup State Com #1H Wellpath: Original Hole	Date: 01/14/2008 Co-ordinate(NE) Reference: Gidyup State Com #1H, Grd North Vertical (TVD) Reference: SITE 00 Section (VS) Reference: Well (0 00N,0.00E,89 50Azi) Plan: Plan #1-1-14-08
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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	
8522.50	0.00	0.00	8522.50	0.00	0.00	0.00	0.00	0.00	0.00	KOP @ 8522' MD/TVD w/12"
8600.00	9.30	89.50	8599.66	0.05	6.28	6.28	12.00	12.00	0.00	
8700.00	21.30	89.50	8695.94	0.28	32.61	32.61	12.00	12.00	0.00	
8800.00	33.30	89.50	8784.64	0.68	78.39	78.39	12.00	12.00	0.00	
8900.00	45.30	89.50	8861.89	1.24	141.60	141.61	12.00	12.00	0.00	
9000.00	57.30	89.50	8924.30	1.92	219.50	219.51	12.00	12.00	0.00	
9100.00	69.29	89.50	8969.16	2.69	308.66	308.68	12.00	12.00	0.00	
9200.00	81.29	89.50	8994.50	3.54	405.21	405.22	12.00	12.00	0.00	
9272.56	90.00	89.50	9000.00	4.17	477.48	477.50	12.00	12.00	0.00	EOC @ 9273' MD / 9000' TVD
9300.00	90.00	89.50	9000.00	4.41	504.93	504.94	0.00	0.00	0.00	
9400.00	90.00	89.50	9000.00	5.28	604.92	604.94	0.00	0.00	0.00	
9500.00	90.00	89.50	9000.00	6.15	704.92	704.94	0.00	0.00	0.00	
9600.00	90.00	89.50	9000.00	7.03	804.91	804.94	0.00	0.00	0.00	
9700.00	90.00	89.50	9000.00	7.90	904.91	904.94	0.00	0.00	0.00	
9800.00	90.00	89.50	9000.00	8.77	1004.91	1004.94	0.00	0.00	0.00	
9900.00	90.00	89.50	9000.00	9.65	1104.90	1104.94	0.00	0.00	0.00	
10000.00	90.00	89.50	9000.00	10.52	1204.90	1204.94	0.00	0.00	0.00	
10100.00	90.00	89.50	9000.00	11.40	1304.89	1304.94	0.00	0.00	0.00	
10200.00	90.00	89.50	9000.00	12.27	1404.89	1404.94	0.00	0.00	0.00	
10300.00	90.00	89.50	9000.00	13.15	1504.89	1504.94	0.00	0.00	0.00	
10400.00	90.00	89.50	9000.00	14.02	1604.88	1604.94	0.00	0.00	0.00	
10500.00	90.00	89.50	9000.00	14.90	1704.88	1704.94	0.00	0.00	0.00	
10600.00	90.00	89.50	9000.00	15.77	1804.88	1804.94	0.00	0.00	0.00	
10700.00	90.00	89.50	9000.00	16.65	1904.87	1904.94	0.00	0.00	0.00	
10800.00	90.00	89.50	9000.00	17.53	2004.87	2004.94	0.00	0.00	0.00	
10900.00	90.00	89.50	9000.00	18.40	2104.86	2104.94	0.00	0.00	0.00	
11000.00	90.00	89.50	9000.00	19.28	2204.86	2204.94	0.00	0.00	0.00	
11100.00	90.00	89.50	9000.00	20.16	2304.86	2304.94	0.00	0.00	0.00	
11200.00	90.00	89.50	9000.00	21.03	2404.85	2404.94	0.00	0.00	0.00	
11300.00	90.00	89.50	9000.00	21.91	2504.85	2504.94	0.00	0.00	0.00	
11400.00	90.00	89.50	9000.00	22.79	2604.85	2604.94	0.00	0.00	0.00	
11500.00	90.00	89.50	9000.00	23.67	2704.84	2704.94	0.00	0.00	0.00	
11600.00	90.00	89.50	9000.00	24.55	2804.84	2804.94	0.00	0.00	0.00	
11700.00	90.00	89.50	9000.00	25.43	2904.83	2904.94	0.00	0.00	0.00	
11800.00	90.00	89.50	9000.00	26.30	3004.83	3004.94	0.00	0.00	0.00	
11900.00	90.00	89.50	9000.00	27.18	3104.83	3104.94	0.00	0.00	0.00	
12000.00	90.00	89.50	9000.00	28.06	3204.82	3204.94	0.00	0.00	0.00	
12100.00	90.00	89.50	9000.00	28.94	3304.82	3304.94	0.00	0.00	0.00	

Pathfinder Energy

Planning Report

Company: Marbob Energy Field: Gidyup State Com #1H Site: Gidyup State Com #1H Well: Gidyup State Com #1H Wellpath: Original Hole				Date: 01/14/2008 Time: 17:04.58 Co-ordinate(NE) Reference: Gidyup State Com #1H, Grid North Vertical (TVD) Reference: SITE 0.0 Section (VS) Reference: Well (0.00N, 0.00E, 89° 50' Azi) Plan: Plan #1 1-14-08				Page: 4	
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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
12200.00	90.00	89.50	9000.00	29.82	3404.81	3404.94	0.00	0.00	0.00	
12300.00	90.00	89.50	9000.00	30.70	3504.81	3504.94	0.00	0.00	0.00	
12400.00	90.00	89.50	9000.00	31.58	3604.81	3604.94	0.00	0.00	0.00	
12500.00	90.00	89.50	9000.00	32.46	3704.80	3704.94	0.00	0.00	0.00	
12600.00	90.00	89.50	9000.00	33.34	3804.80	3804.94	0.00	0.00	0.00	
12700.00	90.00	89.50	9000.00	34.23	3904.79	3904.94	0.00	0.00	0.00	
12800.00	90.00	89.49	9000.00	35.11	4004.79	4004.94	0.00	0.00	0.00	
12900.00	90.00	89.49	9000.00	35.99	4104.79	4104.94	0.00	0.00	0.00	
13000.00	90.00	89.49	9000.00	36.87	4204.78	4204.94	0.00	0.00	0.00	
13100.00	90.00	89.49	9000.00	37.75	4304.78	4304.94	0.00	0.00	0.00	
13200.00	90.00	89.49	9000.00	38.64	4404.78	4404.94	0.00	0.00	0.00	
13300.00	90.00	89.49	9000.00	39.52	4504.77	4504.94	0.00	0.00	0.00	
13400.00	90.00	89.49	9000.00	40.40	4604.77	4604.94	0.00	0.00	0.00	
13422.43	90.00	89.49	9000.00	40.60	4627.20	4627.38	0.00	0.00	0.00	Gidyup St Com 1H PBHL

Targets									
Name	Description Dip.	TVD Dir.	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	Latitude Deg Min Sec	Longitude Deg Min Sec	
Gidyup St Com 1H PBHL		9000.00	40.60	4627.20	725142.30	668348.70	32 59 32.197 N	103 47 3.380 W	

Annotation		
MD ft	TVD ft	
8522.50	8522.50	KOP @ 8522' MD/TVD w/12° DLS
9272.56	9000.00	EOC @ 9273' MD / 9000' TVD

Marbob Energy

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 Conic
Warning Method Error Ratio

PATHFINDER

Field: Gidyup State Com #1H
Site: Gidyup State Com #1H
Well: Gidyup State Com #1H
Wellpath: Original Hole
Plan: Plan #1 1-14-08

TARGET DETAILS

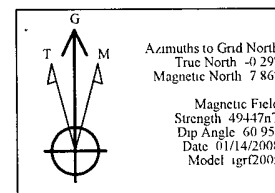
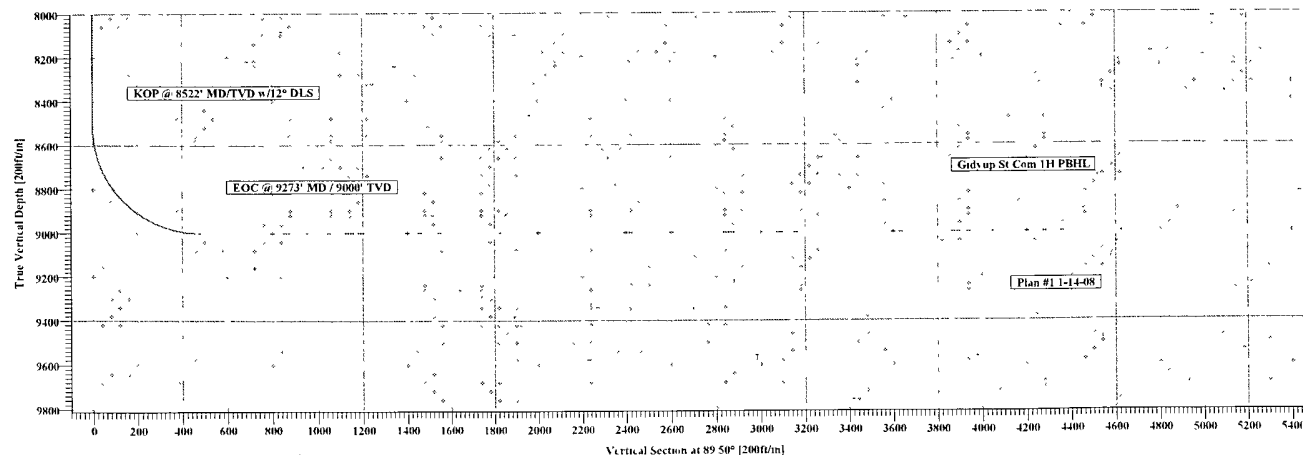
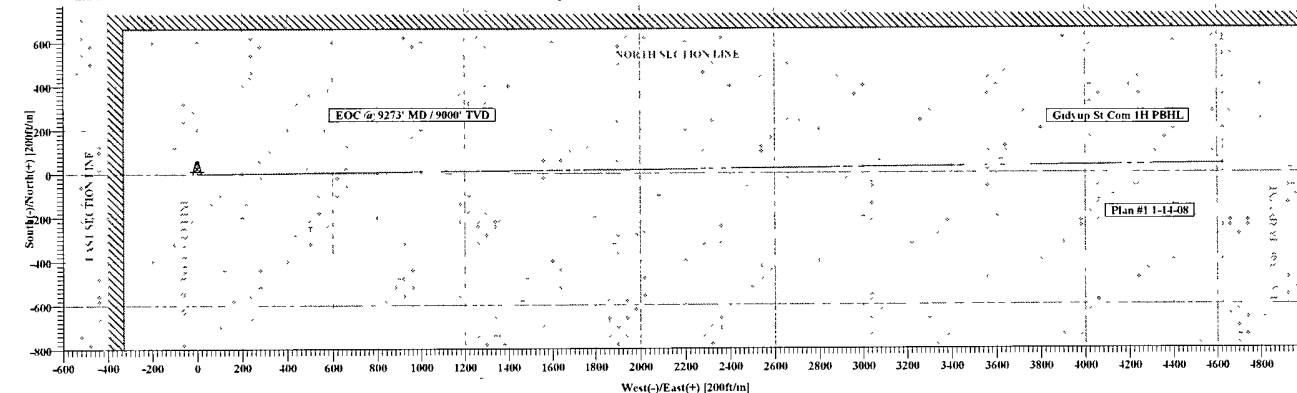
Name	TVD	+N/-S	+E/-W	Shape
Gidyup St Com 1H PBHL	9000.00	40.60	4627.20	Point

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	8522.50	0.00	0.00	8522.50	0.00	0.00	0.00	0.00	0.00	
3	9272.56	90.00	89.50	9000.00	4.17	477.48	12.00	89.50	477.50	
4	13422.43	90.00	89.49	9000.00	40.60	4627.20	0.00	-89.99	4627.38	Gidyup St Com 1H PBHL

ANNOTATIONS

No	TVD	MD	Annotation
1	8522.50	8522.50	KOP @ 8522' MD/TVD w/12° DLS
2	9000.00	9272.56	EOC @ 9273' MD / 9000' TVD



SITE DETAILS

Gidyup State Com #1H
Chaves County NM
Section 26 T-15S, R-31E
Site Centre Northing 725101.70
Easting 663721.50
Ground Level 4383.00
Positional Uncertainty 0.00
Convergence 0.29

WELLPATH DETAILS

Original Hole

Rig Ref Datum	SITE	0.00ft
V Section Angle	Origin +N/-S	Origin +E/-W
89.50°	0.00	0.00
		Starting From TVD
		9000.00