

30-005-28020

[illegible]

Pathfinder Energy Planning Report

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

Date: 01/14/2008 **Time:** 16:32:30 **Page:** 1
Co-ordinate (NE) Reference: Site: Beeline State Com #1H, Grid North
Vertical (TVD) Reference: SITE 0.0
Section (VS) Reference: Well: (0.00N,0.00E,89.52Azi)
Plan: Plan #1 1-14-08

Survey

[illegible]

Pathfinder Energy

Planning Report

Company: Marbob Energy Field: Beeline State Copm #1H Site: Beeline State Com #1H Well: Beeline State Com #1H Wellpath: Original Hole	Date: 01/14/2008 Time: 16:32:30 Page: 3 Co-ordinate(NE): Reference Site Beeline State Com #1H, Grnd North Vertical (TVD) Reference: SITE 00 Section (VS) Reference: Well (0.00N,0.00E,89.52Azi) Plan: Plan #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	89.52	8599.66	0.05	6.28	6.28	12.00	12.00	0.00	
8700.00	21.30	89.52	8695.94	0.27	32.61	32.61	12.00	12.00	0.00	
8800.00	33.30	89.52	8784.64	0.66	78.39	78.39	12.00	12.00	0.00	
8900.00	45.30	89.52	8861.89	1.19	141.60	141.61	12.00	12.00	0.00	
9000.00	57.30	89.52	8924.30	1.84	219.50	219.51	12.00	12.00	0.00	
9100.00	69.29	89.52	8969.16	2.59	308.67	308.68	12.00	12.00	0.00	
9200.00	81.29	89.52	8994.50	3.39	405.21	405.22	12.00	12.00	0.00	
9272.56	90.00	89.52	9000.00	4.00	477.48	477.50	12.00	12.00	0.00	EOC @ 9273' MD / 9000' TVD
9300.00	90.00	89.52	9000.00	4.23	504.93	504.94	0.00	0.00	0.00	
9400.00	90.00	89.52	9000.00	5.07	604.92	604.94	0.00	0.00	0.00	
9500.00	90.00	89.52	9000.00	5.91	704.92	704.94	0.00	0.00	0.00	
9600.00	90.00	89.52	9000.00	6.74	804.92	804.94	0.00	0.00	0.00	
9700.00	90.00	89.52	9000.00	7.58	904.91	904.94	0.00	0.00	0.00	
9800.00	90.00	89.52	9000.00	8.42	1004.91	1004.94	0.00	0.00	0.00	
9900.00	90.00	89.52	9000.00	9.26	1104.91	1104.94	0.00	0.00	0.00	
10000.00	90.00	89.52	9000.00	10.09	1204.90	1204.94	0.00	0.00	0.00	
10100.00	90.00	89.52	9000.00	10.93	1304.90	1304.94	0.00	0.00	0.00	
10200.00	90.00	89.52	9000.00	11.77	1404.90	1404.94	0.00	0.00	0.00	
10300.00	90.00	89.52	9000.00	12.61	1504.89	1504.94	0.00	0.00	0.00	
10400.00	90.00	89.52	9000.00	13.45	1604.89	1604.94	0.00	0.00	0.00	
10500.00	90.00	89.52	9000.00	14.28	1704.88	1704.94	0.00	0.00	0.00	
10600.00	90.00	89.52	9000.00	15.12	1804.88	1804.94	0.00	0.00	0.00	
10700.00	90.00	89.52	9000.00	15.96	1904.88	1904.94	0.00	0.00	0.00	
10800.00	90.00	89.52	9000.00	16.80	2004.87	2004.94	0.00	0.00	0.00	
10900.00	90.00	89.52	9000.00	17.63	2104.87	2104.94	0.00	0.00	0.00	
11000.00	90.00	89.52	9000.00	18.47	2204.87	2204.94	0.00	0.00	0.00	
11100.00	90.00	89.52	9000.00	19.31	2304.86	2304.94	0.00	0.00	0.00	
11200.00	90.00	89.52	9000.00	20.15	2404.86	2404.94	0.00	0.00	0.00	
11300.00	90.00	89.52	9000.00	20.99	2504.86	2504.94	0.00	0.00	0.00	
11400.00	90.00	89.52	9000.00	21.82	2604.85	2604.94	0.00	0.00	0.00	
11500.00	90.00	89.52	9000.00	22.66	2704.85	2704.94	0.00	0.00	0.00	
11600.00	90.00	89.52	9000.00	23.50	2804.85	2804.94	0.00	0.00	0.00	
11700.00	90.00	89.52	9000.00	24.34	2904.84	2904.94	0.00	0.00	0.00	
11800.00	90.00	89.52	9000.00	25.17	3004.84	3004.94	0.00	0.00	0.00	
11900.00	90.00	89.52	9000.00	26.01	3104.84	3104.94	0.00	0.00	0.00	
12000.00	90.00	89.52	9000.00	26.85	3204.83	3204.94	0.00	0.00	0.00	
12100.00	90.00	89.52	9000.00	27.69	3304.83	3304.94	0.00	0.00	0.00	

Pathfinder Energy

Planning Report

Company: Marbob Energy	Date: 01/14/2008	Time: 16:32:30	Page: 4
Field: Beeline State Copm #1H	Co-ordinate(N/E) Reference: Beeline State Com #1H, Grnd North		
Site: Beeline State Com #1H	Vertical (TVD) Reference: SITE 0.0		
Well: Beeline State Com #1H	Section (VS) Reference: Well (0.00N,0.00E,89 52Azi)		
Wellpath: Original Hole	Plan: Plan #1 1-14-08		

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
12200.00	90.00	89.52	9000.00	28.52	3404.83	3404.94	0.00	0.00	0.00	
12300.00	90.00	89.52	9000.00	29.36	3504.82	3504.94	0.00	0.00	0.00	
12400.00	90.00	89.52	9000.00	30.20	3604.82	3604.94	0.00	0.00	0.00	
12500.00	90.00	89.52	9000.00	31.04	3704.81	3704.94	0.00	0.00	0.00	
12600.00	90.00	89.52	9000.00	31.88	3804.81	3804.94	0.00	0.00	0.00	
12700.00	90.00	89.52	9000.00	32.71	3904.81	3904.94	0.00	0.00	0.00	
12800.00	90.00	89.52	9000.00	33.55	4004.80	4004.94	0.00	0.00	0.00	
12900.00	90.00	89.52	9000.00	34.39	4104.80	4104.94	0.00	0.00	0.00	
13000.00	90.00	89.52	9000.00	35.23	4204.80	4204.94	0.00	0.00	0.00	
13100.00	90.00	89.52	9000.00	36.06	4304.79	4304.94	0.00	0.00	0.00	
13200.00	90.00	89.52	9000.00	36.90	4404.79	4404.94	0.00	0.00	0.00	
13300.00	90.00	89.52	9000.00	37.74	4504.79	4504.94	0.00	0.00	0.00	
13400.00	90.00	89.52	9000.00	38.58	4604.78	4604.94	0.00	0.00	0.00	
13422.32	90.00	89.52	9000.00	38.80	4627.10	4627.26	0.00	0.00	0.00	Beeline State Com #1H PBH

Targets

Name	Description Dip. Dir.	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	Latitude Deg Min Sec	Longitude Deg Min Sec
Beeline State Com #1H PBHL		9000.00	38.80	4627.10	721180.20	668368.00	32 58 52.992 N	103 47 3 396 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: Beeline State Copm #1H
Site: Beeline State Com #1H
Well: Beeline State Com #1H
Wellpath: Original Hole
Plan: Plan #1 1-14-08

TARGET DETAILS

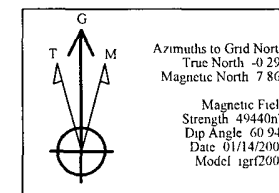
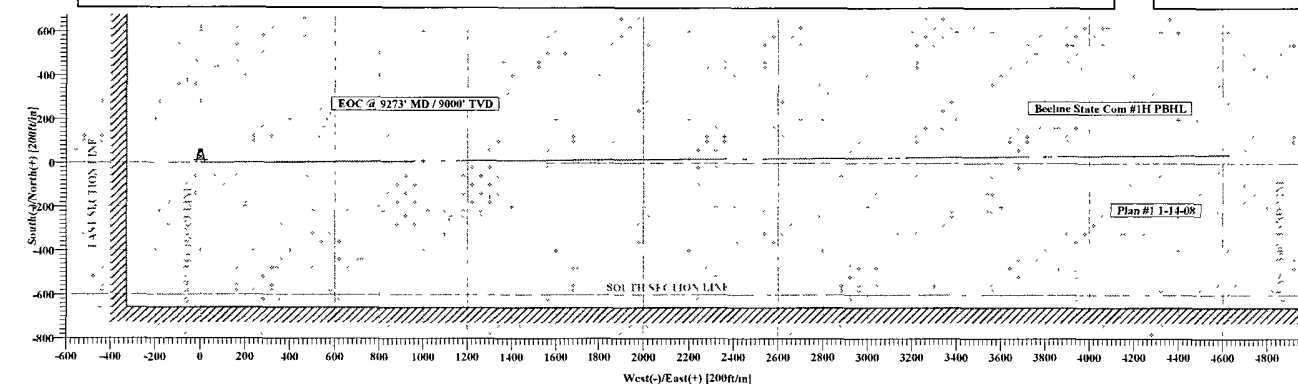
Name	TVD	+N/-S	+E/-W	Shape
Beeline State Com #1H PBHL	9000.00	38.80	4627.10	Point

SECTION DETAILS

Sec	MD	Inc	A/I	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	89.52	9000.00	4.00	477.48	12.00	89.52	477.50	
4	13422.32	90.00	89.52	9000.00	38.80	4627.10	0.00	0.00	4627.26	Beeline State Com #1H PBHL

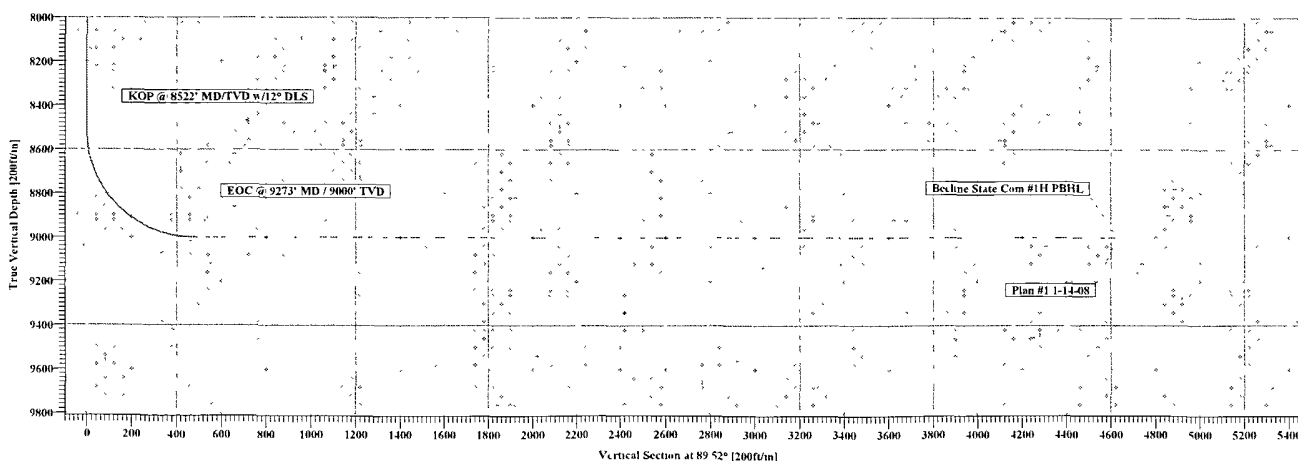
ANNOTATIONS

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

Beeline State Com #1H
Chaves County, NM
Section 26 T-15S, R-31E
Site Centre Northing 721141.40
Easting 663740.90
Ground Level 4379.00
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 Starting From TVD
89.52° 0.00 0.00 9000.00