

30-015-35660

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Pathfinder Energy

Planning Report

Company: Marbob Energy Field: Jalapeno State Com #1H Site: Jalapeno State Com #1H Well: Jalapeno State Com #1H Wellpath: OH	Date: 6/11/2007 Time: 15:07:43 Page: 2 Co-ordinate(NE) Reference: Jalapeno State Com #1H, Grid North Vertical (TVD) Reference: SITE 3408.0 Section (VS) Reference: Well (0.00N,0.00E,182.65Azi) Plan: Plan #2 6-11-07
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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
1600.00	0.00	0.00	1600.00	0.00	0.00	0.00	0.00	0.00	0.00	
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	
6722.00	0.00	0.00	6722.00	0.00	0.00	0.00	0.00	0.00	0.00	
6800.00	9.35	188.50	6799.65	-6.28	-0.94	6.32	11.99	11.99	0.00	KOP @ 6722' MD/TVD, begin

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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
6900.00	21.34	188.50	6895.91	-32.40	-4.84	32.59	11.99	11.99	0.00	
7000.00	33.32	188.50	6984.59	-77.72	-11.62	78.18	11.99	11.99	0.00	
7100.00	45.31	188.50	7061.82	-140.27	-20.96	141.09	11.99	11.99	0.00	
7200.00	57.30	188.50	7124.22	-217.32	-32.48	218.59	11.99	11.99	0.00	
7300.00	69.28	188.50	7169.09	-305.51	-45.66	307.29	11.99	11.99	0.00	
7400.00	81.27	188.50	7194.46	-400.99	-59.93	403.33	11.99	11.99	0.00	
7472.84	90.00	188.50	7200.00	-472.75	-70.65	475.51	11.99	11.99	0.00	EOC @ 7473' MD, 7200' TVD
7500.00	90.00	187.69	7200.00	-499.64	-74.48	502.55	3.00	0.00	-3.00	
7600.00	90.00	184.69	7200.00	-599.04	-85.25	602.35	3.00	0.00	-3.00	
7700.00	90.00	181.69	7200.00	-698.88	-90.80	702.33	3.00	0.00	-3.00	
7756.07	90.00	180.00	7200.00	-754.94	-91.63	758.37	3.00	0.00	-3.00	
7800.00	90.00	180.00	7200.00	-798.87	-91.63	802.26	0.00	0.00	0.00	
7900.00	90.00	180.00	7200.00	-898.87	-91.64	902.15	0.00	0.00	0.00	
8000.00	90.00	180.00	7200.00	-998.87	-91.64	1002.04	0.00	0.00	0.00	
8100.00	90.00	180.00	7200.00	-1098.87	-91.65	1101.93	0.00	0.00	0.00	
8200.00	90.00	180.00	7200.00	-1198.87	-91.66	1201.83	0.00	0.00	0.00	
8300.00	90.00	180.00	7200.00	-1298.87	-91.66	1301.72	0.00	0.00	0.00	
8400.00	90.00	180.00	7200.00	-1398.87	-91.67	1401.61	0.00	0.00	0.00	
8500.00	90.00	180.00	7200.00	-1498.87	-91.67	1501.51	0.00	0.00	0.00	
8600.00	90.00	180.00	7200.00	-1598.87	-91.68	1601.40	0.00	0.00	0.00	
8700.00	90.00	180.00	7200.00	-1698.87	-91.68	1701.29	0.00	0.00	0.00	
8800.00	90.00	180.00	7200.00	-1798.87	-91.69	1801.19	0.00	0.00	0.00	
8900.00	90.00	180.00	7200.00	-1898.87	-91.70	1901.08	0.00	0.00	0.00	
8980.73	90.00	180.00	7200.00	-1979.60	-91.70	1981.72	0.00	0.00	0.00	PBHL

Targets

Name	Description Dip. Dir.	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	<--- Latitude ---><--- Longitude --->		
PBHL		7200.00	-1979.60	-91.70	617629.60	604076.70	32	41	51.021 N 103 59 42.040 W

Annotation

MD ft	TVD ft	
7472.84	7200.00	EOC @ 7473' MD, 7200' TVD
6722.00	6722.00	KOP @ 6722' MD/TVD, begin build @ 12°/100'



Field: Jalapeno State Com #1H
 Site: Jalapeno State Com #1H
 Well: Jalapeno State Com #1H
 Wellpath: OH
 Plan: Plan #2 6-11-07

PATHFINDER

SITE DETAILS

Jalapeno State Com #1H

Site Centre Northing: 619609.20
 Easting: 604168.40

Ground Level: 3394.00
 Positional Uncertainty: 0.00
 Convergence: 0.18

ANNOTATIONS

No.	TVD	MD	Annotation
1	7200.00	7472.84	EOC @ 7473' MD, 7200' TVD
2	6722.00	6722.00	KOP @ 6722' MD/TVD, begin build @ 12°/100'

TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
PBHL	7200.00	-1979.60	-91.70	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	6722.00	0.00	0.00	6722.00	0.00	0.00	0.00	0.00	0.00	
3	7472.84	90.00	188.50	7200.00	-472.75	-70.65	11.99	188.50	475.51	
4	7756.07	90.00	180.00	7200.00	-754.94	-91.63	3.00	-90.00	758.37	
5	8980.73	90.00	180.00	7200.00	-1979.60	-91.70	0.00	0.00	1981.72	PBHL

WELLPATH DETAILS

OH

Rig:	SITE	3408.00ft
Ref. Datum:		
V. Section Angle	Origin +N/-S	Origin +E/-W
182.65°	0.00	0.00
		Starting From TVD
		0.00

