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30-015-35056

Pathfinder Energy

Planning Report

Company: Marbob Energy
 Field: Tony
 Site: Coffee Federal #11
 Well: Coffee Federal #11
 Wellpath: Original Hole

Date: 6/22/2006 Time: 18:28:23 Page: 2
 Co-ordinate(NE) Reference: Well: Coffee Federal #11, Grid North
 Vertical (TVD) Reference: System: Mean Sea Level
 Section (VS) Reference: Well (0.00N,0.00E,87.95Az)
 Plan: Plan #1 6-22-06

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	
4348.50	0.00	0.00	4348.50	0.00	0.00	0.00	0.00	0.00	0.00	
4350.00	0.18	87.95	4350.00	0.00	0.00	0.00	12.00	12.00	0.00	KOP @ 4348'
4358.50	1.20	87.95	4358.50	0.00	0.10	0.10	12.00	12.00	0.00	
4375.00	3.18	87.95	4374.99	0.03	0.73	0.74	12.00	12.00	0.00	
4400.00	6.18	87.95	4399.90	0.10	2.77	2.77	12.00	12.00	0.00	
4425.00	9.18	87.95	4424.67	0.22	6.11	6.11	12.00	12.00	0.00	
4450.00	12.18	87.95	4449.24	0.38	10.74	10.75	12.00	12.00	0.00	
4475.00	15.18	87.95	4473.53	0.60	16.65	16.66	12.00	12.00	0.00	
4500.00	18.18	87.95	4497.47	0.85	23.82	23.83	12.00	12.00	0.00	
4525.00	21.18	87.95	4521.01	1.15	32.23	32.25	12.00	12.00	0.00	
4550.00	24.18	87.95	4544.07	1.50	41.86	41.89	12.00	12.00	0.00	
4575.00	27.18	87.95	4566.60	1.89	52.69	52.72	12.00	12.00	0.00	
4600.00	30.18	87.95	4588.53	2.31	64.67	64.72	12.00	12.00	0.00	
4625.00	33.18	87.95	4609.80	2.78	77.79	77.84	12.00	12.00	0.00	
4650.00	36.18	87.95	4630.36	3.29	92.01	92.06	12.00	12.00	0.00	
4675.00	39.18	87.95	4650.15	3.84	107.27	107.34	12.00	12.00	0.00	
4700.00	42.18	87.95	4669.10	4.42	123.56	123.64	12.00	12.00	0.00	
4725.00	45.18	87.95	4687.18	5.04	140.81	140.90	12.00	12.00	0.00	
4750.00	48.18	87.95	4704.33	5.69	158.98	159.08	12.00	12.00	0.00	
4775.00	51.18	87.95	4720.51	6.37	178.03	178.14	12.00	12.00	0.00	
4800.00	54.18	87.95	4735.67	7.08	197.89	198.02	12.00	12.00	0.00	
4825.00	57.18	87.95	4749.76	7.82	218.52	218.66	12.00	12.00	0.00	
4850.00	60.18	87.95	4762.76	8.59	239.86	240.02	12.00	12.00	0.00	
4875.00	63.18	87.95	4774.62	9.37	261.85	262.02	12.00	12.00	0.00	
4900.00	66.18	87.95	4785.31	10.18	284.44	284.62	12.00	12.00	0.00	
4925.00	69.17	87.95	4794.80	11.01	307.54	307.74	12.00	12.00	0.00	

Pathfinder Energy

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Field: Tony	Co-ordinate(NE) Reference: Well: Coffee Federal #11, Grid North		
Site: Coffee Federal #11	Vertical (TVD) Reference: System: Mean Sea Level		
Well: Coffee Federal #11	Section (VS) Reference: Well (0.00N,0.00E,87.95Azi)		
Wellpath: Original Hole	Plan: Plan #1 6-22-06		

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
4950.00	72.17	87.95	4803.08	11.85	331.12	331.33	12.00	12.00	0.00	
4975.00	75.17	87.95	4810.10	12.71	355.09	355.32	12.00	12.00	0.00	
5000.00	78.17	87.95	4815.87	13.58	379.40	379.64	12.00	12.00	0.00	
5025.00	81.17	87.95	4820.35	14.46	403.98	404.24	12.00	12.00	0.00	
5050.00	84.17	87.95	4823.53	15.35	428.75	429.03	12.00	12.00	0.00	
5075.00	87.17	87.95	4825.42	16.24	453.66	453.95	12.00	12.00	0.00	
5098.56	90.00	87.95	4826.00	17.08	477.19	477.50	12.00	12.00	0.00	EOC @ 5099' MD / 4826' TV
5100.00	90.00	87.95	4826.00	17.13	478.64	478.94	0.00	0.00	0.00	
5200.00	90.00	87.95	4826.00	20.71	578.57	578.94	0.00	0.00	0.00	
5300.00	90.00	87.95	4826.00	24.29	678.51	678.94	0.00	0.00	0.00	
5400.00	90.00	87.95	4826.00	27.87	778.45	778.94	0.00	0.00	0.00	
5500.00	90.00	87.95	4826.00	31.45	878.38	878.94	0.00	0.00	0.00	
5600.00	90.00	87.95	4826.00	35.03	978.32	978.94	0.00	0.00	0.00	
5700.00	90.00	87.95	4826.00	38.62	1078.25	1078.94	0.00	0.00	0.00	
5800.00	90.00	87.95	4826.00	42.20	1178.19	1178.94	0.00	0.00	0.00	
5900.00	90.00	87.94	4826.00	45.79	1278.12	1278.94	0.00	0.00	0.00	
6000.00	90.00	87.94	4826.00	49.37	1378.06	1378.94	0.00	0.00	0.00	
6100.00	90.00	87.94	4826.00	52.96	1478.00	1478.94	0.00	0.00	0.00	
6200.00	90.00	87.94	4826.00	56.55	1577.93	1578.94	0.00	0.00	0.00	
6300.00	90.00	87.94	4826.00	60.14	1677.87	1678.94	0.00	0.00	0.00	
6400.00	90.00	87.94	4826.00	63.73	1777.80	1778.94	0.00	0.00	0.00	
6500.00	90.00	87.94	4826.00	67.33	1877.74	1878.94	0.00	0.00	0.00	
6600.00	90.00	87.94	4826.00	70.92	1977.67	1978.94	0.00	0.00	0.00	
6700.00	90.00	87.94	4826.00	74.52	2077.61	2078.94	0.00	0.00	0.00	
6800.00	90.00	87.94	4826.00	78.11	2177.54	2178.94	0.00	0.00	0.00	
6852.49	90.00	87.94	4826.00	80.00	2230.00	2231.43	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 Deg Min Sec	Longitude Deg Min Sec
PBHL			4826.00	80.00	2230.00	669801.50	631708.60	32 50 26.286 N	103 54 16.210 W

Annotation

MD ft	TVD ft	
4358.50	4358.50	KOP @ 4348'
5098.56	4826.00	EOC @ 5099' MD / 4826' TVD

Marbob Energy

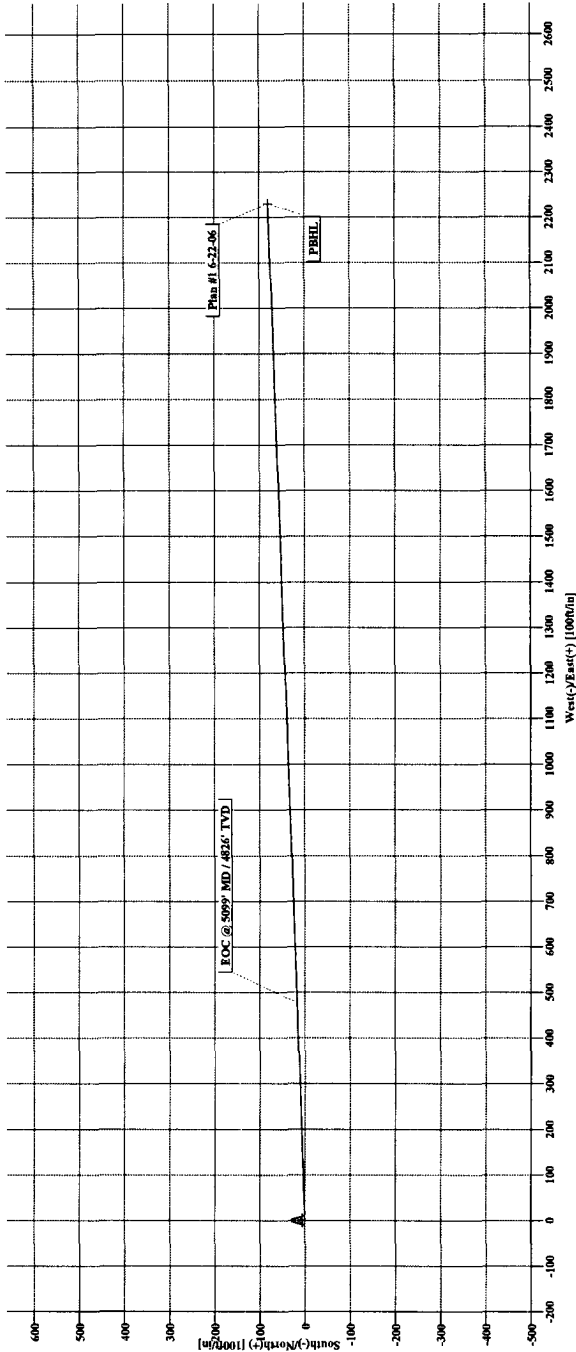
Field: Coffee
 Site: Coffee Federal #11
 Well: Coffee Federal #11
 Wellpath: Original Hole
 Plan: Plan #1 6-22-06

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

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	4348.50	0.00	0.00	4348.50	0.00	0.00	0.00	0.00	0.00
3	5098.56	90.00	87.95	4826.00	17.08	477.19	12.00	87.95	477.50
4	6852.49	90.00	87.94	4826.00	80.00	2230.00	0.00	-89.99	2231.43 PBHL

WELL DETAILS					
Name	+N/-S	+E/-W	Northing	Easting	Latitude
Coffee Federal #11	0.00	0.00	669721.50	629478.60	32°50'25.583N 103°54'42.352W
					N/A



LEGEND
 — Plan #1 6-22-06

Azinuths to Grid North
 True North: -0.23°
 Magnetic North: 8.16°
 Magnetic Field
 Strength: 49502nT
 Dip Angle: 60.83°
 Date: 5/19/2006
 Model: jgr2005

WELLPATH DETAILS

Original Hole

Rig:
 Ref. Datum:
 V Section
 Angle
 87.95°
 Mean Sea Level
 Origin
 +N/-S
 0.00
 Starting
 From TVD
 4826.00

