

Permit Comments

Operator: MARBOB ENERGY CORP , 14049

Well: CHICKEN HAWK STATE #001

30-015-33682

User Name	Comment	Comment Date
MARBOB4	Will submit directional drilling plan later today.	10/25/2004
MARBOB4	We plan to complete this well in the Delaware and do not anticipate cutting any formations that contain H2S during the drilling of this well. Therefore we do not believe an H2S contingency plan is necessary.	10/25/2004
MARBOB4	We plan to bring TOC 200 above all oil and gas bearing zones.	10/25/2004
VBARTON	APD cannot be approved until conditions of Rule 50 are addressed.	10/25/2004

Marbob Energy Corporation

Chicken Hawk State #1-H

Eddy County, New Mexico

Section: 15, T-25-N & R-28-E

Plan #1 (10250)

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	4360.54	0.00	0.00	4360.54	0.00	0.00	0.00	0.00	0.00	
3	5110.53	90.00	194.63	4838.00	-461.98	-120.59	12.00	194.63	477.46	
4	6968.82	90.00	194.63	4838.00	-2260.00	-590.00	0.00	89.97	2335.74	PBHL Chicken Hawk State #1-H

SITE DETAILS

G
M

Chicken Hawk State #1-H
Sec. 15 T-25-N & R-28-E
50' FNL & 400' FEL

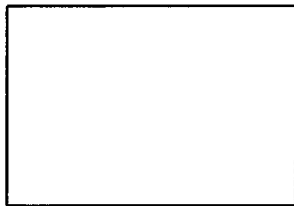
Site Centre Northing: 421770.40
Easting: 581728.90

Water Depth: 0.00
Positional Uncertainty: 0.00
Convergence: 0.14



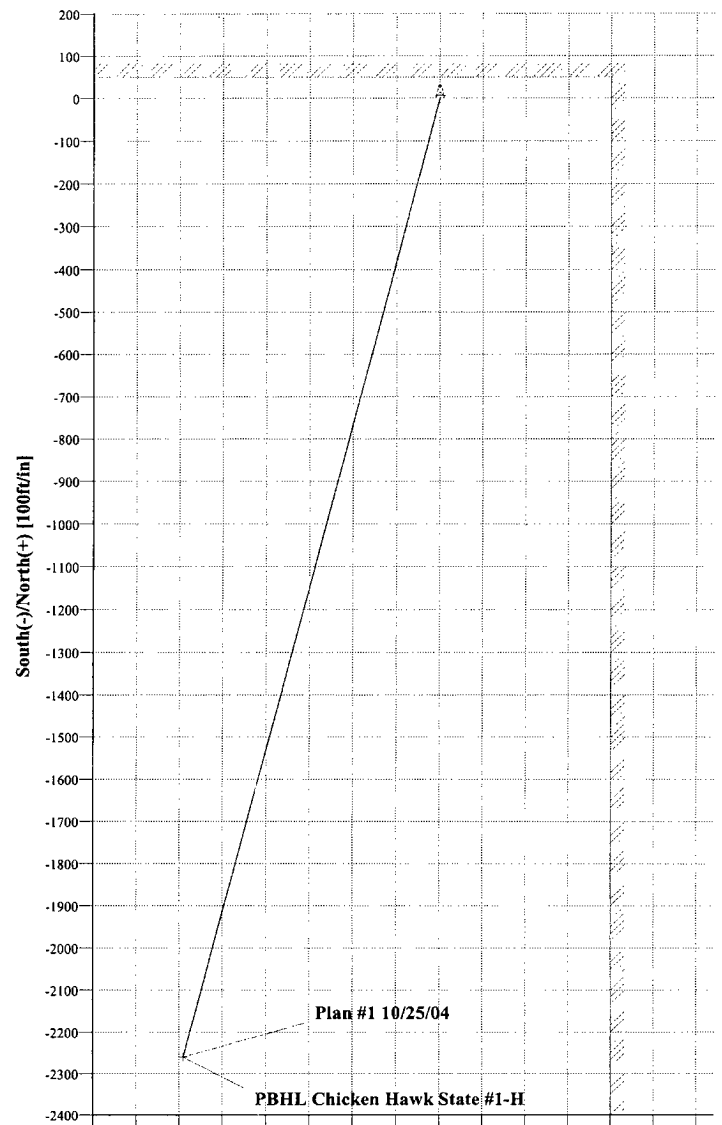
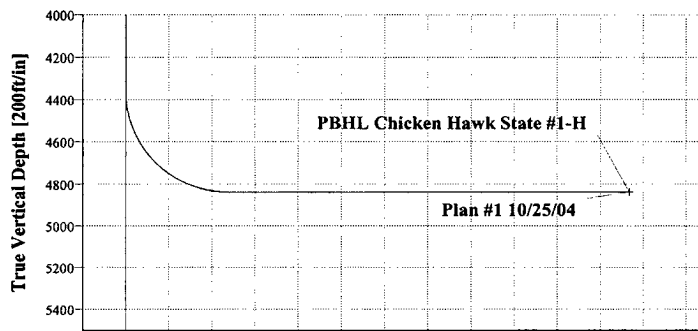
WELL DETAILS

Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
Chicken Hawk State #1-H	0.00	0.00	421770.40	581728.90	32°09'33.437N	104°04'09.228W	N/A



Azimuths to Grid North
 True North: -0.14°
 Magnetic North: 8.66°

Magnetic Field
 Strength: 49360nT
 Dip Angle: 60.28°
 Date: 10/25/2004
 Model: igrf2000



PathFinder Energy Service

Planning Report - Geographic

Company: Marbob Energy	Date: 10/25/2004	Time: 10:47:34	Page: 1
Field: Chicken Hawk	Co-ordinate(NE) Reference: Site: Chicken Hawk State #1-H, Grid Nort		
Site: Chicken Hawk State #1-H	Vertical (TVD) Reference: SITE 0.0		
Well: Chicken Hawk State #1-H	Section (VS) Reference: Well (0:00N,0:00E,194.63Azi)		
Wellpath: Chicken Hawk State #1-H	Plan: Plan #1 10/25/04		

Field: Chicken Hawk
Eddy County, New Mexico
U.S.A.

Map System: US State Plane Coordinate System 1927
Geo Datum: NAD27 (Clarke 1866)
Sys Datum: Mean Sea Level

Map Zone: New Mexico, Eastern Zone
Coordinate System: Site Centre
Geomagnetic Model: igrf2000

Site: Chicken Hawk State #1-H
Sec. 15 T-25-N & R-28-E
50' FNL & 400' FEL

Site Position:		Northing: 421770.40 ft	Latitude: 32 9 33.437 N
From: Map		Easting: 581728.90 ft	Longitude: 104 4 9.228 W
Position Uncertainty: 0.00 ft			North Reference: Grid
Ground Level: 0.00 ft			Grid Convergence: 0.14 deg

Well: Chicken Hawk State #1-H
Horizontal Well

Slot Name:

Well Position: +N/-S 0.00 ft	Northing: 421770.40 ft	Latitude: 32 9 33.437 N
+E/-W 0.00 ft	Easting: 581728.90 ft	Longitude: 104 4 9.228 W
Position Uncertainty: 0.00 ft		

Wellpath: Chicken Hawk State #1-H

Drilled From: Surface
Tie-on Depth: 0.00 ft
Above System Datum: Mean Sea Level
Declination: 8.80 deg
Mag Dip Angle: 60.28 deg

Current Datum: SITE	Height 0.00 ft
Magnetic Data: 10/25/2004	
Field Strength: 49360 nT	
Vertical Section: Depth From (TVD)	+N/-S
ft	ft
0.00	0.00

0.00 0.00 0.00 194.63

Plan: Plan #1 10/25/04

Date Composed: 10/25/2004
Version: 1
Tied-to: From Surface

Principal: Yes

Plan Section Information

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
4360.54	0.00	0.00	4360.54	0.00	0.00	0.00	0.00	0.00	0.00	
5110.53	90.00	194.63	4838.00	-461.98	-120.59	12.00	12.00	0.00	194.63	
6968.82	90.00	194.63	4838.00	-2260.00	-590.00	0.00	0.00	0.00	89.97	PBHL Chicken Hawk State #

Survey

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	<--- Latitude ---> Deg Min Sec			<--- Longitude ---> Deg Min Sec		
4300.00	0.00	0.00	4300.00	0.00	0.00	421770.40	581728.90	32	9	33.437 N	104	4	9.228 W
4360.54	0.00	0.00	4360.54	0.00	0.00	421770.40	581728.90	32	9	33.437 N	104	4	9.228 W
4375.00	1.74	194.63	4375.00	-0.21	-0.06	421770.19	581728.84	32	9	33.435 N	104	4	9.229 W
4400.00	4.74	194.63	4399.96	-1.58	-0.41	421768.82	581728.49	32	9	33.421 N	104	4	9.233 W
4425.00	7.74	194.63	4424.80	-4.20	-1.10	421766.20	581727.80	32	9	33.395 N	104	4	9.241 W
4450.00	10.74	194.63	4449.48	-8.09	-2.11	421762.31	581726.79	32	9	33.357 N	104	4	9.253 W
4475.00	13.74	194.63	4473.91	-13.21	-3.45	421757.19	581725.45	32	9	33.306 N	104	4	9.269 W
4500.00	16.74	194.63	4498.03	-19.57	-5.11	421750.83	581723.79	32	9	33.244 N	104	4	9.288 W
4525.00	19.74	194.63	4521.77	-27.14	-7.08	421743.26	581721.82	32	9	33.169 N	104	4	9.311 W
4550.00	22.74	194.63	4545.07	-35.90	-9.37	421734.50	581719.53	32	9	33.082 N	104	4	9.338 W
4575.00	25.74	194.63	4567.86	-45.82	-11.96	421724.58	581716.94	32	9	32.984 N	104	4	9.369 W
4600.00	28.74	194.63	4590.09	-56.89	-14.85	421713.51	581714.05	32	9	32.874 N	104	4	9.402 W
4625.00	31.74	194.63	4611.68	-69.07	-18.03	421701.33	581710.87	32	9	32.754 N	104	4	9.440 W
4650.00	34.74	194.63	4632.59	-82.33	-21.49	421688.07	581707.41	32	9	32.623 N	104	4	9.480 W
4675.00	37.74	194.63	4652.75	-96.63	-25.22	421673.77	581703.68	32	9	32.481 N	104	4	9.524 W
4700.00	40.74	194.63	4672.12	-111.92	-29.22	421658.48	581699.68	32	9	32.330 N	104	4	9.571 W

PathFinder Energy Service

Planning Report - Geographic

Company: Marbob Energy
 Field: Chicken Hawk
 Site: Chicken Hawk State #1-H
 Well: Chicken Hawk State #1-H
 Wellpath: Chicken Hawk State #1-H

Date: 10/25/2004 Time: 10:47:34 Page: 2
 Co-ordinate(NE) Reference: Site: Chicken Hawk State #1-H Grid Nort
 Vertical (TVD) Reference: SITE 0.0
 Section (VS) Reference: Well: (0.00N,0.00E,194.63Azi)
 Plan: Plan #1.10/25/04

Survey

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	<--- Latitude ---> Deg Min Sec			<--- Longitude ---> Deg Min Sec		
4725.00	43.74	194.63	4690.62	-128.18	-33.46	421642.22	581695.44	32	9	32.169 N	104	4	9.621 W
4750.00	46.74	194.63	4708.23	-145.35	-37.94	421625.05	581690.96	32	9	31.999 N	104	4	9.674 W
4775.00	49.74	194.63	4724.88	-163.40	-42.65	421607.00	581686.25	32	9	31.821 N	104	4	9.729 W
4800.00	52.74	194.63	4740.53	-182.25	-47.58	421588.15	581681.32	32	9	31.635 N	104	4	9.787 W
4825.00	55.74	194.63	4755.14	-201.88	-52.70	421568.52	581676.20	32	9	31.440 N	104	4	9.847 W
4850.00	58.74	194.63	4768.66	-222.22	-58.01	421548.18	581670.89	32	9	31.239 N	104	4	9.909 W
4875.00	61.74	194.63	4781.07	-243.21	-63.49	421527.19	581665.41	32	9	31.032 N	104	4	9.974 W
4900.00	64.74	194.63	4792.33	-264.81	-69.13	421505.59	581659.77	32	9	30.818 N	104	4	10.040 W
4925.00	67.74	194.63	4802.40	-286.95	-74.90	421483.45	581654.00	32	9	30.599 N	104	4	10.108 W
4950.00	70.74	194.63	4811.27	-309.56	-80.81	421460.84	581648.09	32	9	30.375 N	104	4	10.177 W
4975.00	73.74	194.63	4818.89	-332.60	-86.82	421437.80	581642.08	32	9	30.148 N	104	4	10.248 W
5000.00	76.74	194.63	4825.26	-355.98	-92.93	421414.42	581635.97	32	9	29.916 N	104	4	10.319 W
5025.00	79.74	194.63	4830.36	-379.66	-99.11	421390.74	581629.79	32	9	29.682 N	104	4	10.392 W
5050.00	82.74	194.63	4834.17	-403.57	-105.35	421366.83	581623.55	32	9	29.446 N	104	4	10.465 W
5075.00	85.74	194.63	4836.68	-427.63	-111.63	421342.77	581617.27	32	9	29.208 N	104	4	10.539 W
5100.00	88.74	194.63	4837.88	-451.79	-117.93	421318.61	581610.97	32	9	28.969 N	104	4	10.613 W
5110.53	90.00	194.63	4838.00	-461.98	-120.59	421308.42	581608.31	32	9	28.868 N	104	4	10.644 W
5200.00	90.00	194.63	4838.00	-548.55	-143.19	421221.85	581585.71	32	9	28.012 N	104	4	10.909 W
5300.00	90.00	194.63	4838.00	-645.30	-168.45	421125.10	581560.45	32	9	27.055 N	104	4	11.206 W
5400.00	90.00	194.63	4838.00	-742.06	-193.71	421028.34	581535.19	32	9	26.098 N	104	4	11.503 W
5500.00	90.00	194.63	4838.00	-838.82	-218.97	420931.58	581509.93	32	9	25.141 N	104	4	11.799 W
5600.00	90.00	194.63	4838.00	-935.58	-244.23	420834.82	581484.67	32	9	24.184 N	104	4	12.096 W
5700.00	90.00	194.63	4838.00	-1032.33	-269.49	420738.07	581459.41	32	9	23.227 N	104	4	12.392 W
5800.00	90.00	194.63	4838.00	-1129.09	-294.74	420641.31	581434.16	32	9	22.270 N	104	4	12.689 W
5900.00	90.00	194.63	4838.00	-1225.85	-320.00	420544.55	581408.90	32	9	21.313 N	104	4	12.986 W
6000.00	90.00	194.63	4838.00	-1322.60	-345.26	420447.80	581383.64	32	9	20.356 N	104	4	13.282 W
6100.00	90.00	194.63	4838.00	-1419.36	-370.52	420351.04	581358.38	32	9	19.399 N	104	4	13.579 W
6200.00	90.00	194.63	4838.00	-1516.12	-395.78	420254.28	581333.12	32	9	18.443 N	104	4	13.875 W
6300.00	90.00	194.63	4838.00	-1612.88	-421.05	420157.52	581307.85	32	9	17.486 N	104	4	14.172 W
6400.00	90.00	194.63	4838.00	-1709.63	-446.31	420060.77	581282.59	32	9	16.529 N	104	4	14.469 W
6500.00	90.00	194.63	4838.00	-1806.39	-471.57	419964.01	581257.33	32	9	15.572 N	104	4	14.765 W
6600.00	90.00	194.63	4838.00	-1903.15	-496.83	419867.25	581232.07	32	9	14.615 N	104	4	15.062 W
6700.00	90.00	194.63	4838.00	-1999.90	-522.09	419770.50	581206.81	32	9	13.658 N	104	4	15.358 W
6800.00	90.00	194.63	4838.00	-2096.66	-547.35	419673.74	581181.55	32	9	12.701 N	104	4	15.655 W
6900.00	90.00	194.63	4838.00	-2193.42	-572.62	419576.98	581156.28	32	9	11.744 N	104	4	15.952 W
6968.82	90.00	194.63	4838.00	-2260.00	-590.00	419510.40	581138.90	32	9	11.085 N	104	4	16.156 W

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 Chicken Hawk State #1-H		4838.00	-2260.00	-590.00	419510.40	581138.90	32	9	11.085 N	104	4	16.156 W