



NOV 12 2008
OCD-ARTESIA

30-015-36750

Marbob

Eddy County
Wildcap State #4H
Wilcap #4
OH

Plan: Plan #1

Patfinder X & Y Survey Report

06 November, 2008



Azimuths to Grid North
True North: -0.28°
Magnetic North: 7.75°

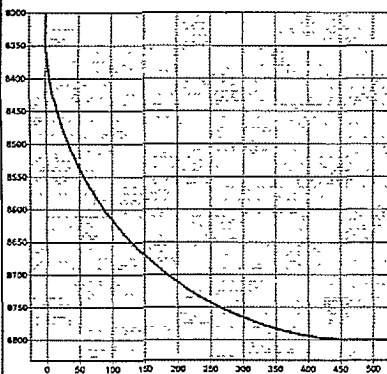
Magnetic Field
Strength: 49142.4nT
Dip Angle: 60.59°
Date: 11/6/2008
Model: IGRF200510

PATHFINDER

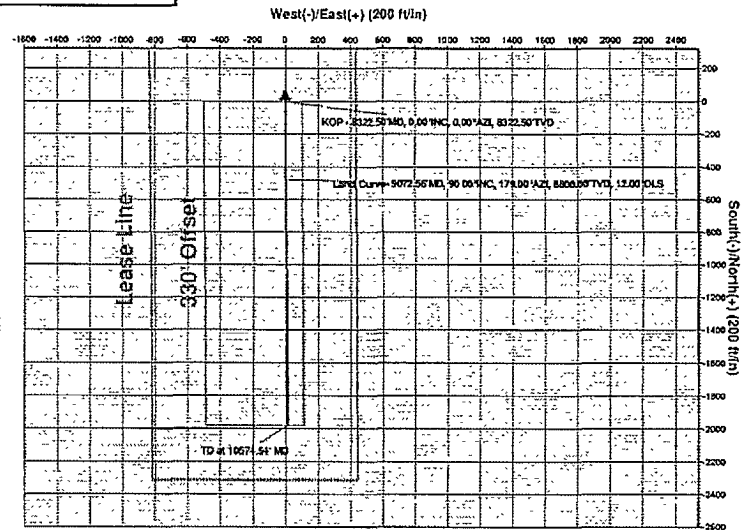
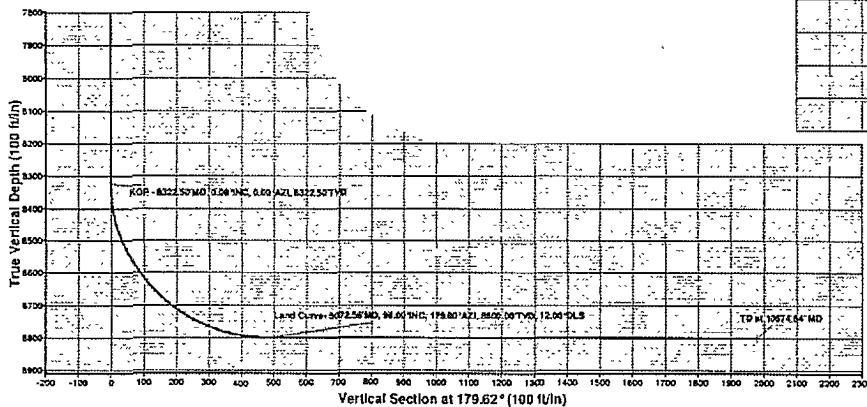
ENERGY SERVICES

Project: Eddy County
Site: Wildcat State #4H
Well: Wilcap #4
Wellbore: OH
Plan: Plan #1 (Wilcap #4/OH)

WELL DETAILS: Wilcap #4						
Ground Elevation: 3515.00						
Rel. Elevation: WCLL @ 3515.00ft (Original Well Elev)						
Pig Name: Original Well Elev						
N-S	E-W	Northing	Easting	Latitude	Longitude	Stat
0.00	8.00	590823.400	639567.100	32° 37' 23.547 N	103° 48' 54.312 W	



WELLBORE TARGET DETAILS (MAP CO-ORDINATES)					
Name	TVD	N-S	E-W	Northing	Easting
PDH (Wilcap #4)	8800.00	-1879.43	13.30	585844.000	639580.400



SECTION DETAILS										
Sec	MD	Inc	Azi	TVD	N-S	E-W	Dleg	TFace	VSec	Target
1	8.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	8322.50	0.00	0.00	8322.50	0.00	0.00	0.00	0.00	0.00	
3	8072.56	90.00	179.62	8800.00	-477.49	3.25	12.00	179.62	477.50	
4	8072.80	90.00	179.62	8800.00	-477.82	3.25	2.00	90.00	477.82	
5	10274.30	90.00	179.62	2350.00	-1879.43	13.30	0.00	0.00	1879.44	PDH (Wilcap #4)

PROJECT DETAILS: Eddy County
Geodetic System: US State Plane 1927 (Exact solution)
Datum: NAD 1927 (NADCON CONUS)
Ellipsoid: Clarke 1866
Zone: New Mexico East 3001
System Datum: Mean Sea Level
Local North: Grid

Plan: Plan #1 (Wilcap #4/OH)
Created By: Aaron Patten Date: 11-06-2008 06:22:08
Checked: _____ Date: _____

Pathfinder Energy Services
Patfinder X & Y Survey Report

Company: Marbob
 Project: Eddy County
 Site: Wildcap State #4H
 Well: Wilcap #4
 Wellbore: OH
 Design: Plan #1

Local Co-ordinate Reference: Well Wilcap #4
 TVD Reference: WELL @ 3515 00ft (Original Well Elev)
 MD Reference: WELL @ 3515 00ft (Original Well Elev)
 North Reference: Grid
 Survey Calculation Method: Minimum Curvature
 Database: EDM 2003.16 Single User Db

Project	Eddy County	System Datum:	Mean Sea Level
Map System:	US State Plane 1927 (Exact solution)		
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

Site Wildcap State #4H

Site Position:		Northing:	590,823 400 ft	Latitude:	32° 37' 23.547 N
From:	Map	Easting:	659,567 100 ft	Longitude:	103° 48' 54.212 W
Position Uncertainty:	0 00 ft	Slot Radius:	"	Grid Convergence:	0 28 °

Well Wilcap #4

Well Position	+N/-S	0.00 ft	Northing:	590,823 400ft	Latitude:	32° 37' 23.547 N
	+E/-W	0.00 ft	Easting:	659,567 100ft	Longitude:	103° 48' 54.212 W
Position Uncertainty		0.00 ft	Wellhead Elevation:	ft	Ground Level:	3,515 00ft

Wellbore OH

Magnetics	Model Name	Sample Date	Declination	Dip Angle	Field Strength
	IGRF200510	11/6/2008	(°) 8 03	(°) 60 59	(nT) 49,142

Design Plan #1

Audit Notes:

Version: Phase: PLAN Tie On Depth: 0 00

Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction
	(ft)	(ft)	(ft)	(°)
	0 00	0 00	0.00	179.62

Survey Tool Program Date 11/6/2008

From	To	Survey (Wellbore)	Tool Name	Description
(ft)	(ft)			
0 00	10,574 50	Plan #1 (OH)	MWD	MWD - Standard

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 Database: EDM 2003 16 Single User Db

Planned Survey

MD (ft)	Inc (")	Azi (°)	TVD (ft)	TVDSS (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLeg (°/100ft)	Northing (ft)	Easting (ft)
0 00	0 00	0 00	0 00	-3,515 00	0 00	0 00	0 00	0 00	590,823 40	659,567 10
100 00	0 00	0 00	100 00	-3,415 00	0 00	0 00	0 00	0 00	590,823 40	659,567 10
200 00	0 00	0 00	200 00	-3,315 00	0 00	0 00	0 00	0 00	590,823 40	659,567 10
300 00	0 00	0 00	300 00	-3,215 00	0 00	0 00	0 00	0 00	590,823 40	659,567 10
400 00	0 00	0 00	400 00	-3,115 00	0 00	0 00	0 00	0 00	590,823 40	659,567 10
500 00	0 00	0 00	500 00	-3,015 00	0 00	0 00	0 00	0 00	590,823 40	659,567 10
600 00	0 00	0 00	600 00	-2,915 00	0 00	0 00	0 00	0 00	590,823 40	659,567 10
700 00	0 00	0 00	700 00	-2,815 00	0 00	0 00	0 00	0 00	590,823 40	659,567 10
800 00	0 00	0 00	800 00	-2,715 00	0 00	0 00	0 00	0 00	590,823 40	659,567 10
900 00	0 00	0 00	900 00	-2,615 00	0 00	0 00	0 00	0 00	590,823 40	659,567 10
1,000 00	0 00	0 00	1,000 00	-2,515 00	0 00	0 00	0 00	0 00	590,823 40	659,567 10
1,100 00	0 00	0 00	1,100 00	-2,415 00	0 00	0 00	0 00	0 00	590,823 40	659,567 10
1,200 00	0 00	0 00	1,200 00	-2,315 00	0 00	0 00	0 00	0 00	590,823 40	659,567 10
1,300 00	0 00	0 00	1,300 00	-2,215 00	0 00	0 00	0 00	0 00	590,823 40	659,567 10
1,400 00	0 00	0 00	1,400 00	-2,115 00	0 00	0 00	0 00	0 00	590,823 40	659,567 10
1,500 00	0 00	0 00	1,500 00	-2,015 00	0 00	0 00	0 00	0 00	590,823 40	659,567 10
1,600 00	0 00	0 00	1,600 00	-1,915 00	0 00	0 00	0 00	0 00	590,823 40	659,567 10
1,700 00	0 00	0 00	1,700 00	-1,815 00	0 00	0 00	0 00	0 00	590,823 40	659,567 10
1,800 00	0 00	0 00	1,800 00	-1,715 00	0 00	0 00	0 00	0 00	590,823 40	659,567 10
1,900 00	0 00	0 00	1,900 00	-1,615 00	0 00	0 00	0 00	0 00	590,823 40	659,567 10
2,000 00	0 00	0 00	2,000 00	-1,515 00	0 00	0 00	0 00	0 00	590,823 40	659,567 10
2,100 00	0 00	0 00	2,100 00	-1,415 00	0 00	0 00	0 00	0 00	590,823 40	659,567 10
2,200 00	0 00	0 00	2,200 00	-1,315 00	0 00	0 00	0 00	0 00	590,823 40	659,567 10
2,300 00	0 00	0 00	2,300 00	-1,215 00	0 00	0 00	0 00	0 00	590,823 40	659,567 10
2,400 00	0 00	0 00	2,400 00	-1,115 00	0 00	0 00	0 00	0 00	590,823 40	659,567 10
2,500 00	0 00	0 00	2,500 00	-1,015 00	0 00	0 00	0 00	0 00	590,823 40	659,567 10
2,600 00	0 00	0 00	2,600 00	-915 00	0 00	0 00	0 00	0 00	590,823 40	659,567 10

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2,700.00	0.00	0.00	2,700.00	-815.00	0.00	0.00	0.00	0.00	590,823.40	659,567.10
2,800.00	0.00	0.00	2,800.00	-715.00	0.00	0.00	0.00	0.00	590,823.40	659,567.10
2,900.00	0.00	0.00	2,900.00	-615.00	0.00	0.00	0.00	0.00	590,823.40	659,567.10
3,000.00	0.00	0.00	3,000.00	-515.00	0.00	0.00	0.00	0.00	590,823.40	659,567.10
3,100.00	0.00	0.00	3,100.00	-415.00	0.00	0.00	0.00	0.00	590,823.40	659,567.10
3,200.00	0.00	0.00	3,200.00	-315.00	0.00	0.00	0.00	0.00	590,823.40	659,567.10
3,300.00	0.00	0.00	3,300.00	-215.00	0.00	0.00	0.00	0.00	590,823.40	659,567.10
3,400.00	0.00	0.00	3,400.00	-115.00	0.00	0.00	0.00	0.00	590,823.40	659,567.10
3,500.00	0.00	0.00	3,500.00	-15.00	0.00	0.00	0.00	0.00	590,823.40	659,567.10
3,600.00	0.00	0.00	3,600.00	85.00	0.00	0.00	0.00	0.00	590,823.40	659,567.10
3,700.00	0.00	0.00	3,700.00	185.00	0.00	0.00	0.00	0.00	590,823.40	659,567.10
3,800.00	0.00	0.00	3,800.00	285.00	0.00	0.00	0.00	0.00	590,823.40	659,567.10
3,900.00	0.00	0.00	3,900.00	385.00	0.00	0.00	0.00	0.00	590,823.40	659,567.10
4,000.00	0.00	0.00	4,000.00	485.00	0.00	0.00	0.00	0.00	590,823.40	659,567.10
4,100.00	0.00	0.00	4,100.00	585.00	0.00	0.00	0.00	0.00	590,823.40	659,567.10
4,200.00	0.00	0.00	4,200.00	685.00	0.00	0.00	0.00	0.00	590,823.40	659,567.10
4,300.00	0.00	0.00	4,300.00	785.00	0.00	0.00	0.00	0.00	590,823.40	659,567.10
4,400.00	0.00	0.00	4,400.00	885.00	0.00	0.00	0.00	0.00	590,823.40	659,567.10
4,500.00	0.00	0.00	4,500.00	985.00	0.00	0.00	0.00	0.00	590,823.40	659,567.10
4,600.00	0.00	0.00	4,600.00	1,085.00	0.00	0.00	0.00	0.00	590,823.40	659,567.10
4,700.00	0.00	0.00	4,700.00	1,185.00	0.00	0.00	0.00	0.00	590,823.40	659,567.10
4,800.00	0.00	0.00	4,800.00	1,285.00	0.00	0.00	0.00	0.00	590,823.40	659,567.10
4,900.00	0.00	0.00	4,900.00	1,385.00	0.00	0.00	0.00	0.00	590,823.40	659,567.10
5,000.00	0.00	0.00	5,000.00	1,485.00	0.00	0.00	0.00	0.00	590,823.40	659,567.10
5,100.00	0.00	0.00	5,100.00	1,585.00	0.00	0.00	0.00	0.00	590,823.40	659,567.10
5,200.00	0.00	0.00	5,200.00	1,685.00	0.00	0.00	0.00	0.00	590,823.40	659,567.10
5,300.00	0.00	0.00	5,300.00	1,785.00	0.00	0.00	0.00	0.00	590,823.40	659,567.10

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5,400.00	0.00	0.00	5,400.00	1,885.00	0.00	0.00	0.00	0.00	590,823.40	659,567.10
5,500.00	0.00	0.00	5,500.00	1,985.00	0.00	0.00	0.00	0.00	590,823.40	659,567.10
5,600.00	0.00	0.00	5,600.00	2,085.00	0.00	0.00	0.00	0.00	590,823.40	659,567.10
5,700.00	0.00	0.00	5,700.00	2,185.00	0.00	0.00	0.00	0.00	590,823.40	659,567.10
5,800.00	0.00	0.00	5,800.00	2,285.00	0.00	0.00	0.00	0.00	590,823.40	659,567.10
5,900.00	0.00	0.00	5,900.00	2,385.00	0.00	0.00	0.00	0.00	590,823.40	659,567.10
6,000.00	0.00	0.00	6,000.00	2,485.00	0.00	0.00	0.00	0.00	590,823.40	659,567.10
6,100.00	0.00	0.00	6,100.00	2,585.00	0.00	0.00	0.00	0.00	590,823.40	659,567.10
6,200.00	0.00	0.00	6,200.00	2,685.00	0.00	0.00	0.00	0.00	590,823.40	659,567.10
6,300.00	0.00	0.00	6,300.00	2,785.00	0.00	0.00	0.00	0.00	590,823.40	659,567.10
6,400.00	0.00	0.00	6,400.00	2,885.00	0.00	0.00	0.00	0.00	590,823.40	659,567.10
6,500.00	0.00	0.00	6,500.00	2,985.00	0.00	0.00	0.00	0.00	590,823.40	659,567.10
6,600.00	0.00	0.00	6,600.00	3,085.00	0.00	0.00	0.00	0.00	590,823.40	659,567.10
6,700.00	0.00	0.00	6,700.00	3,185.00	0.00	0.00	0.00	0.00	590,823.40	659,567.10
6,800.00	0.00	0.00	6,800.00	3,285.00	0.00	0.00	0.00	0.00	590,823.40	659,567.10
6,900.00	0.00	0.00	6,900.00	3,385.00	0.00	0.00	0.00	0.00	590,823.40	659,567.10
7,000.00	0.00	0.00	7,000.00	3,485.00	0.00	0.00	0.00	0.00	590,823.40	659,567.10
7,100.00	0.00	0.00	7,100.00	3,585.00	0.00	0.00	0.00	0.00	590,823.40	659,567.10
7,200.00	0.00	0.00	7,200.00	3,685.00	0.00	0.00	0.00	0.00	590,823.40	659,567.10
7,300.00	0.00	0.00	7,300.00	3,785.00	0.00	0.00	0.00	0.00	590,823.40	659,567.10
7,400.00	0.00	0.00	7,400.00	3,885.00	0.00	0.00	0.00	0.00	590,823.40	659,567.10
7,500.00	0.00	0.00	7,500.00	3,985.00	0.00	0.00	0.00	0.00	590,823.40	659,567.10
7,600.00	0.00	0.00	7,600.00	4,085.00	0.00	0.00	0.00	0.00	590,823.40	659,567.10
7,700.00	0.00	0.00	7,700.00	4,185.00	0.00	0.00	0.00	0.00	590,823.40	659,567.10
7,800.00	0.00	0.00	7,800.00	4,285.00	0.00	0.00	0.00	0.00	590,823.40	659,567.10
7,900.00	0.00	0.00	7,900.00	4,385.00	0.00	0.00	0.00	0.00	590,823.40	659,567.10
8,000.00	0.00	0.00	8,000.00	4,485.00	0.00	0.00	0.00	0.00	590,823.40	659,567.10

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North Reference: Grd
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8,100.00	0.00	0.00	8,100.00	4,585.00	0.00	0.00	0.00	0.00	590,823.40	659,567.10
8,200.00	0.00	0.00	8,200.00	4,685.00	0.00	0.00	0.00	0.00	590,823.40	659,567.10
8,300.00	0.00	0.00	8,300.00	4,785.00	0.00	0.00	0.00	0.00	590,823.40	659,567.10
8,322.50	0.00	0.00	8,322.50	4,807.50	0.00	0.00	0.00	0.00	590,823.40	659,567.10
KOP - 8322.50' MD, 0.00° INC, 0.00° AZI, 8322.50' TVD										
8,325.00	0.30	179.61	8,325.00	4,810.00	-0.01	0.00	0.01	12.00	590,823.39	659,567.10
8,350.00	3.30	179.61	8,349.98	4,834.98	-0.79	0.01	0.79	12.00	590,822.61	659,567.11
8,375.00	6.30	179.61	8,374.89	4,859.89	-2.88	0.02	2.88	12.00	590,820.52	659,567.12
8,400.00	9.30	179.61	8,399.66	4,884.66	-6.28	0.04	6.28	12.00	590,817.12	659,567.14
8,425.00	12.30	179.61	8,424.21	4,909.21	-10.98	0.07	10.98	12.00	590,812.44	659,567.17
8,450.00	15.30	179.61	8,448.49	4,933.49	-16.92	0.12	16.92	12.00	590,806.48	659,567.22
8,475.00	18.30	179.61	8,472.42	4,957.42	-24.15	0.16	24.15	12.00	590,799.25	659,567.26
8,500.00	21.30	179.61	8,495.94	4,980.94	-32.61	0.22	32.61	12.00	590,790.79	659,567.32
8,525.00	24.30	179.61	8,518.98	5,003.98	-42.30	0.29	42.30	12.00	590,781.10	659,567.39
8,550.00	27.30	179.61	8,541.49	5,026.49	-53.18	0.36	53.18	12.00	590,770.22	659,567.46
8,575.00	30.30	179.61	8,563.40	5,048.40	-65.22	0.44	65.22	12.00	590,758.18	659,567.54
8,600.00	33.30	179.61	8,584.64	5,069.64	-78.39	0.53	78.39	12.00	590,745.01	659,567.63
8,625.00	36.30	179.61	8,605.17	5,090.17	-92.65	0.63	92.66	12.00	590,730.75	659,567.73
8,650.00	39.30	179.61	8,624.92	5,109.92	-107.97	0.73	107.98	12.00	590,715.43	659,567.83
8,675.00	42.30	179.61	8,643.84	5,128.84	-124.31	0.85	124.31	12.00	590,699.09	659,567.95
8,700.00	45.30	179.61	8,661.89	5,146.89	-141.61	0.98	141.61	12.00	590,681.79	659,568.06
8,725.00	48.30	179.61	8,679.00	5,164.00	-159.83	1.09	159.83	12.00	590,663.57	659,568.19
8,750.00	51.30	179.61	8,695.14	5,180.14	-178.92	1.22	178.92	12.00	590,644.48	659,568.32
8,775.00	54.30	179.61	8,710.25	5,195.25	-198.83	1.35	198.83	12.00	590,624.57	659,568.45
8,800.00	57.30	179.61	8,724.30	5,209.30	-219.50	1.49	219.51	12.00	590,603.90	659,568.59
8,825.00	60.30	179.61	8,737.25	5,222.25	-240.88	1.64	240.89	12.00	590,582.52	659,568.74
8,850.00	63.30	179.61	8,749.07	5,234.07	-262.91	1.79	262.92	12.00	590,560.49	659,568.89

Pathfinder Energy Services
Pathfinder X & Y Survey Report

Company: Marbob
 Project: Eddy County
 Site: Wildcap State #4H
 Well: Wilcap #4
 Wellbore: OH
 Design: Plan #1

Local Co-ordinate Reference: Well Wilcap #4
 TVD Reference: WELL @ 3515 00ft (Original Well Elev)
 MD Reference: WELL @ 3515 00ft (Original Well Elev)
 North Reference: Grid
 Survey Calculation Method: Minimum Curvature
 Database: EDM 2003.16 Single User Db

Planned Survey

MD (ft)	Inc (°)	Azi (°)	TVD (ft)	TVDSS (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLeg (°/100ft)	Northing (ft)	Easting (ft)
8,875.00	66.30	179.61	8,759.71	5,244.71	-285.53	1.94	285.53	12.00	590,537.87	659,569.04
8,900.00	69.29	179.61	8,769.16	5,254.16	-308.67	2.10	308.68	12.00	590,514.73	659,569.20
8,925.00	72.29	179.61	8,777.38	5,262.38	-332.27	2.26	332.28	12.00	590,491.13	659,569.36
8,950.00	75.29	179.61	8,784.36	5,269.36	-356.28	2.43	356.29	12.00	590,467.12	659,569.53
8,975.00	78.29	179.61	8,790.07	5,275.07	-380.61	2.59	380.62	12.00	590,442.79	659,569.69
9,000.00	81.29	179.61	8,794.50	5,279.50	-405.21	2.76	405.22	12.00	590,418.19	659,569.86
9,025.00	84.29	179.61	8,797.63	5,282.63	-430.01	2.93	430.02	12.00	590,393.39	659,570.03
9,050.00	87.29	179.61	8,799.47	5,284.47	-454.94	3.10	454.95	12.00	590,368.46	659,570.20
9,072.56	90.00	179.61	8,800.00	5,285.00	-477.49	3.25	477.50	12.00	590,345.91	659,570.35
Land Curve- 9072.56°MD, 90.00°INC, 179.00°AZI, 8800.00°TVD, 12.00°DLS										
9,072.89	90.00	179.62	8,800.00	5,285.00	-477.82	3.25	477.83	2.00	590,345.58	659,570.35
9,100.00	90.00	179.62	8,800.00	5,285.00	-504.93	3.43	504.94	0.00	590,318.47	659,570.53
9,200.00	90.00	179.62	8,800.00	5,285.00	-604.93	4.10	604.94	0.00	590,218.47	659,571.20
9,300.00	90.00	179.62	8,800.00	5,285.00	-704.93	4.77	704.94	0.00	590,118.47	659,571.87
9,400.00	90.00	179.62	8,800.00	5,285.00	-804.93	5.44	804.94	0.00	590,018.47	659,572.54
9,500.00	90.00	179.62	8,800.00	5,285.00	-904.92	6.11	904.94	0.00	589,918.48	659,573.21
9,600.00	90.00	179.62	8,800.00	5,285.00	-1,004.92	6.78	1,004.94	0.00	589,818.48	659,573.88
9,700.00	90.00	179.62	8,800.00	5,285.00	-1,104.92	7.45	1,104.94	0.00	589,718.48	659,574.55
9,800.00	90.00	179.62	8,800.00	5,285.00	-1,204.92	8.12	1,204.94	0.00	589,618.48	659,575.22
9,900.00	90.00	179.62	8,800.00	5,285.00	-1,304.92	8.79	1,304.94	0.00	589,518.48	659,575.89
10,000.00	90.00	179.62	8,800.00	5,285.00	-1,404.91	9.46	1,404.94	0.00	589,418.49	659,576.56
10,100.00	90.00	179.62	8,800.00	5,285.00	-1,504.91	10.13	1,504.94	0.00	589,318.49	659,577.23
10,200.00	90.00	179.62	8,800.00	5,285.00	-1,604.91	10.79	1,604.94	0.00	589,218.49	659,577.89
10,300.00	90.00	179.62	8,800.00	5,285.00	-1,704.91	11.46	1,704.94	0.00	589,118.49	659,578.56
10,400.00	90.00	179.62	8,800.00	5,285.00	-1,804.90	12.13	1,804.94	0.00	589,018.50	659,579.23
10,500.00	90.00	179.62	8,800.00	5,285.00	-1,904.90	12.80	1,904.94	0.00	588,918.50	659,579.90

Pathfinder Energy Services
Patfinder X & Y Survey Report

Company: Marbob
 Project: Eddy County
 Site: Wildcap State #4H
 Well: Wilcap #4
 Wellbore: OH
 Design: Plan #1

Local Co-ordinate Reference: Well Wilcap #4
 TVD Reference: WELL @ 3515.00ft (Original Well Elev)
 MD Reference: WELL @ 3515.00ft (Original Well Elev)
 North Reference: Grid
 Survey Calculation Method: Minimum Curvature
 Database: EDM 2003.18 Single User Db

Planned Survey

MD (ft)	Inc (°)	Azi (°)	TVD (ft)	TVDSS (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLeg (°/100ft)	Northing (ft)	Easting (ft)
10,574.40	90.00	179.62	8,800.00	5,285.00	-1,979.30	13.30	1,979.34	0.00	588,844.10	659,580.40
TD at 10574.54' MD										
10,574.50	90.00	179.62	8,800.00	5,285.00	-1,979.40	13.30	1,979.44	0.00	588,844.00	659,560.40
PBHL(Wilcap #4)										

Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N-S (ft)	+E-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
PBHL(Wilcap #4) - plan hits target - Point	0.00	0.00	8,800.00	-1,979.40	13.30	588,844.000	659,580.400	32° 37' 3.960 N	103° 48' 54.169 W

Plan Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N-S (ft)	+E-W (ft)	
8,322.50	8,322.50	0.00	0.00	KOP - 8322.50' MD, 0.00° INC, 0.00° AZI, 8322.50' TVD
9,072.56	8,600.00	-477.49	3.25	Land Curve- 9072.56' MD, 90.00° INC, 179.00° AZI, 8800.00' TVD, 12.00
10,574.40	8,800.00	-1,979.30	13.30	TD at 10574.54' MD

Checked By: _____	Approved By: _____	Date: _____
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