

PATRIOT DRILLING, LLC

OPERATOR: Marbob Energy Corp.
WELL/LEASE: JSH Federal ! 1
COUNTY: Eddy Co., New Mexico
Sec. 23, T26S, R25E

RECEIVED

MAY 21 2012

NMOCD ARTESIA

30-05-37479

**STATE OF NEW MEXICO
DEVIATION REPORT**

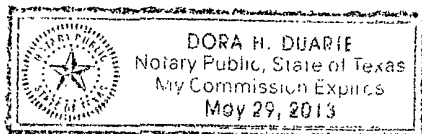
<u>Depth</u>	<u>Deviation</u>	<u>Depth</u>	<u>Deviation</u>
181	1	2,551	1/2
306	1 1/4	2,932	1
416	1	3,439	1
617	1	3,939	1/2
778	1/4	4,452	1 1/4
1,021	1/2	4,711	1 1/4
1,276	1/2	4,900	1
1,405	1 1/4	5,091	1
1,566	1/2	5,378	1 1/2
1,820	1/2	5,631	2
2,106	1/4	5,889	2
2,329	3/4	6,038	2 1/2

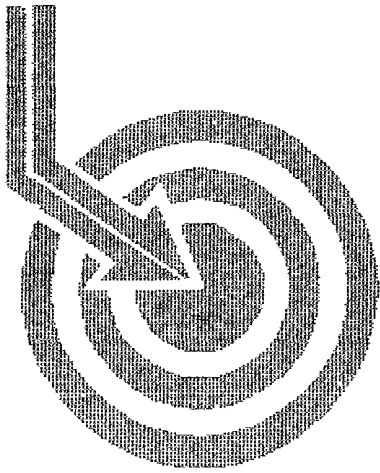
Patriot Drilling, LLC

M. Leroy Peterson, Executive Vice-
President

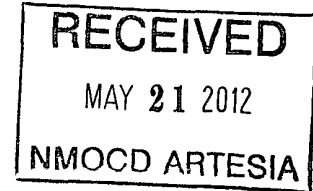
The foregoing instrument was acknowledged before me on this 3rd day of May, 2010 by M. Leroy Peterson, Executive Vice-President of Patriot Drilling, LLC.

My Commission Expires: 5/29/2013


Dora H. Duarte
Notary Public for Midland Co., Texas



Scientific Drilling



MARBOB ENERGY

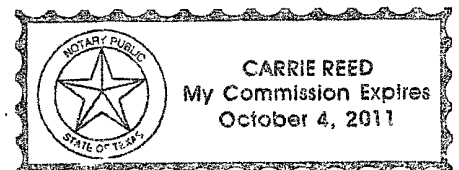
Field: Milepost
Site: Eddy County, NM
Well: JHS Federal #1
Wellpath: VH - Job #32K0410255
Survey: 04/14/10

This survey is correct to the best of my knowledge and is supported by actual field data.

Richard
Company Representative

Notarized this date 1st of May, 2010.

Carrie Reed
Notary Signature
County of Midland
State of Texas





Scientific Drilling International, Inc.

Survey Report

Company: MARBOB ENERGY **Date:** 4/15/2010 **Time:** 16:13:35 **Page:** 1
Field: Milepost **Co-ordinate(NE) Reference:** Site: Eddy County, NM, Grid North
Site: Eddy County, NM **Vertical (TVD) Reference:** SITE 0.0
Well: JHS Federal #1 **Section (VS) Reference:** Well (0.00N,0.00E,180.00Azi)
Wellpath: VH - Job #32K0410255 **Survey Calculation Method:** Minimum Curvature **Db:** Sybase

Survey: 04/14/10 **Start Date:** 4/14/2010
Company: Scientific Drilling Internatio **Engineer:** Guebara/Williams/Renteria
Tool: Keeper, Keeper Gyro **Tied-to:** From Surface

Survey

MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ClsD ft	ClsA deg
0 0	0.00	359.99	0.0	0 0	0 0	0.0	0.00	0 0	0.00
100.0	0.75	52.29	100.0	-0.4	0.4	0.5	0.75	0.7	52.29
200 0	1.27	44.42	200.0	-1.6	1.6	1.8	0.54	2.4	48.68
300.0	1.09	47.51	300 0	-3.0	3.0	3.3	0.19	4.5	47.38
400 0	0.85	53.34	399.9	-4.1	4.1	4.6	0.26	6.2	48.11
500 0	0.96	68.52	499.9	-4.9	4.9	6.0	0.26	7.7	50.79
600 0	0.78	55.53	599.9	-5.6	5.6	7.3	0.27	9.2	52.74
700.0	0.59	52.99	699.9	-6.2	6.2	8.3	0.19	10.4	52.93
800.0	0.57	67.95	799.9	-6.7	6.7	9.1	0.15	11.4	53.59
900.0	0.47	41.15	899.9	-7.2	7.2	9.9	0.26	12.2	53.75
1000.0	0.33	56.50	999.9	-7.7	7.7	10.4	0.18	12.9	53.42
1100.0	0.69	65.37	1099.9	-8.1	8.1	11.2	0.37	13.8	54.00
1200.0	0.60	53.20	1199.9	-8.7	8.7	12.1	0.16	14.9	54.43
1300.0	0.60	65.82	1299.9	-9.2	9.2	13.0	0.13	16.0	54.76
1400.0	0.70	65.58	1399.9	-9.7	9.7	14.1	0.10	17.1	55.48
1500.0	0.64	66.51	1499.9	-10.2	10.2	15.1	0.06	18.2	56.15
1600.0	0.57	64.83	1599.9	-10.6	10.6	16.1	0.07	19.3	56.67
1700.0	0.42	57.69	1699.9	-11.0	11.0	16.9	0.16	20.1	56.89
1800 0	0.19	30.24	1799.9	-11.3	11.3	17.3	0.27	20.6	56.70
1900.0	0.11	110.13	1899.9	-11.4	11.4	17.4	0.20	20.8	56.71
2000 0	0.30	111.19	1999.9	-11.3	11.3	17.8	0.19	21.1	57.50
2100.0	0.14	254.47	2099.9	-11.2	11.2	17.9	0.42	21.1	57.97
2200.0	0.58	209.69	2199.9	-10.7	10.7	17.5	0.49	20.5	58.55
2300.0	0.48	207.60	2299.9	-9.9	9.9	17.1	0.10	19.7	59.88
2400.0	0.60	252.63	2399.9	-9.4	9.4	16.4	0.43	18.9	60.21
2500.0	0.79	241.02	2499.8	-8.9	8.9	15.3	0.24	17.7	59.81
2600.0	0.84	237.05	2599.8	-8.2	8.2	14.1	0.08	16.3	59.89
2700.0	0.94	255.57	2699.8	-7.6	7.6	12.7	0.30	14.7	59.16
2800.0	1.02	239.15	2799.8	-6.9	6.9	11.1	0.29	13.1	58.15
2900.0	1.04	237.76	2899.8	-6.0	6.0	9.6	0.03	11.3	58.10
3000 0	0.97	234.11	2999.8	-5.0	5.0	8.1	0.09	9.5	58.49
3100.0	1.00	236.08	3099.8	-4.0	4.0	6.7	0.05	7.8	59.23
3200.0	1.32	225.61	3199.7	-2.7	2.7	5.2	0.38	5.8	62.38
3300.0	1.05	213.12	3299.7	-1.1	1.1	3.8	0.37	4.0	73.67
3400 0	0.93	211.04	3399.7	0.3	-0.3	2.9	0.13	2.9	96.70
3500.0	0.92	182.17	3499.7	1.8	-1.8	2.5	0.46	3.1	126.80
3600 0	0.74	173.05	3599.7	3.3	-3.3	2.5	0.22	4.1	142.63
3700 0	0.77	186.54	3699.7	4.6	-4.6	2.5	0.18	5.2	151.35
3800 0	0.82	194.00	3799.7	6.0	-6.0	2.3	0.11	6.4	159.22
3900.0	0.53	199.24	3899.7	7.1	-7.1	1.9	0.30	7.3	164.74
4000.0	0.54	173.61	3999.7	8.0	-8.0	1.8	0.24	8.2	167.08
4100 0	0.81	189.62	4099.6	9.2	-9.2	1.8	0.33	9.3	169.07
4200 0	0.75	203.32	4199.6	10.5	-10.5	1.4	0.20	10.5	172.42
4300.0	0.54	158.57	4299.6	11.5	-11.5	1.3	0.53	11.6	173.53
4400.0	0.88	142.40	4399.6	12.5	-12.5	1.9	0.39	12.7	171.19
4500.0	0.95	149.96	4499.6	13.9	-13.9	2.8	0.14	14.1	168.47
4600.0	0.95	167.85	4599.6	15.4	-15.4	3.4	0.30	15.8	167.48
4700 0	1.25	171.31	4699.6	17.3	-17.3	3.8	0.31	17.7	167.74
4800 0	1.45	204.92	4799.6	19.5	-19.5	3.4	0.80	19.8	170.15



Scientific
Drilling

Scientific Drilling International, Inc.

Survey Report

Company: MARBOB ENERGY
Field: Milepost
Site: Eddy County, NM
Well: JHS Federal #1
Wellpath: VH - Job #32K0410255

Date: 4/15/2010 Time: 16:13:35 Page: 2
Co-ordinate(NE) Reference: Site: Eddy County, NM, Grid North
Vertical (TVD) Reference: SITE 0.0
Section (VS) Reference: Well (0.00N,0.00E,180.00Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

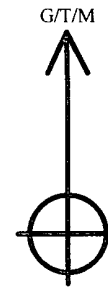
Survey

MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ClsD ft	ClsA deg
4900.0	1.50	229.73	4899.5	21.5	-21.5	1.9	0.64	21.6	175.07
5000.0	1.53	231.66	4999.5	23.2	-23.2	-0.2	0.06	23.2	180.47
5100.0	1.69	243.30	5099.4	24.7	-24.7	-2.6	0.36	24.8	185.91
5200.0	1.59	249.27	5199.4	25.8	-25.8	-5.2	0.20	26.3	191.32
5300.0	1.73	250.95	5299.4	26.8	-26.8	-7.9	0.15	27.9	196.41
5400.0	1.81	239.80	5399.3	28.1	-28.1	-10.7	0.35	30.1	200.83
5500.0	1.53	248.01	5499.3	29.4	-29.4	-13.3	0.37	32.2	204.33



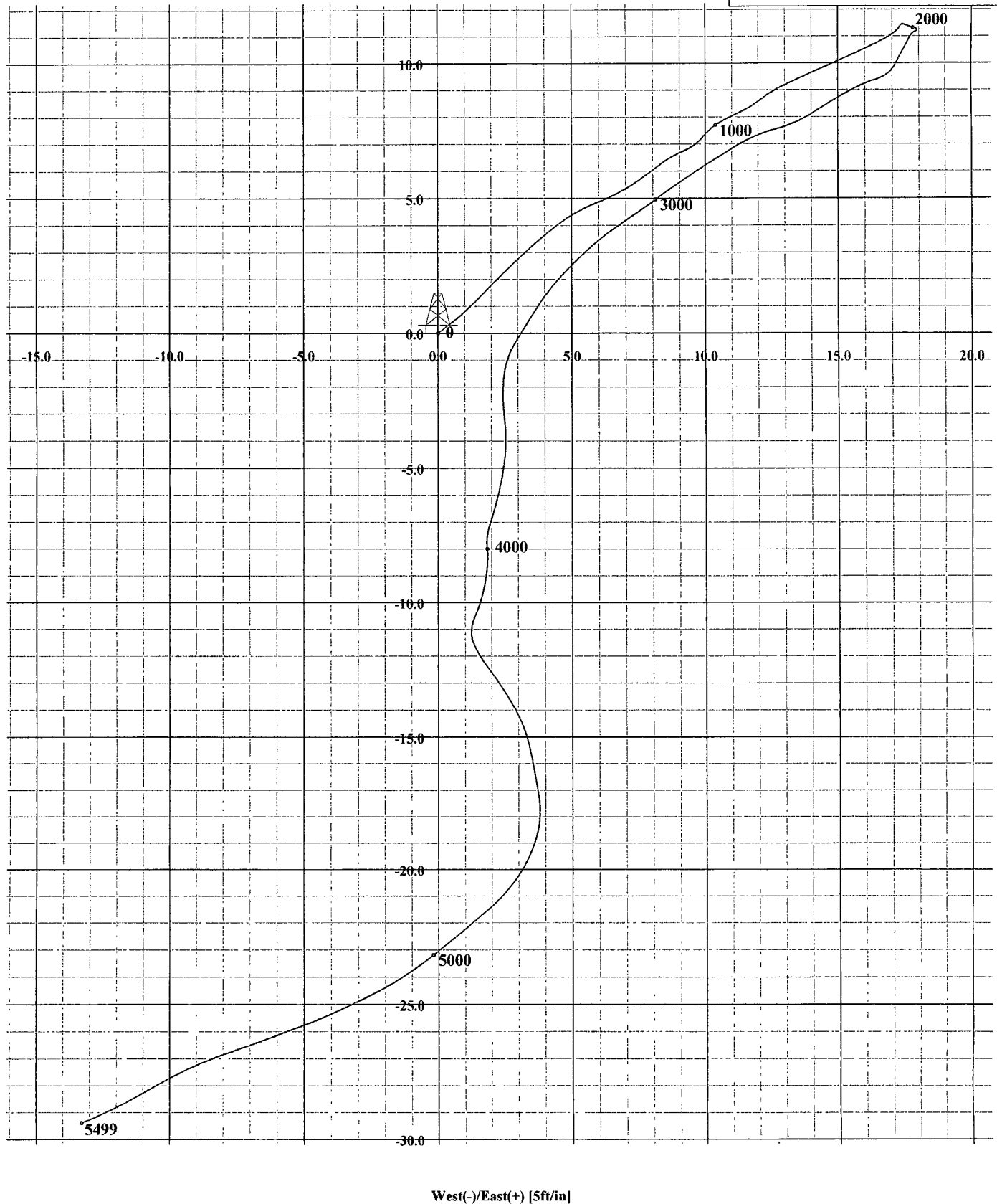
Scientific
Drilling

Field: Milepost
Site: Eddy County, NM
Well: JHS Federal #1
Survey: 04/14/10



Azimuths to Grid North
True North 0 00°
Magnetic North 0 00°
Magnetic Field
Dip Angle 0 00°
Date 4/15/2010
Model igrf2000

South(-)/North(+) [5ft/in]





Marbob

Eddy County

JHS Federal

#1H

OH

Survey: MWD #1

Pathfinder X & Y Survey Report

22 April, 2010

PATHFINDER



Pathfinder

Pathfinder X & Y Survey Report



Company: Marbob
Project: Eddy County
Site: JHS Federal
Well: #1H
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well #1H
TVD Reference: WELL @ 3614.00ft (Original Well Elev)
MD Reference: WELL @ 3614.00ft (Original Well Elev)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: Midland Database

Project: Eddy County

Map System: US State Plane 1927 (Exact solution)
Geo Datum: NAD 1927 (NADCON CONUS)
Map Zone: New Mexico East 3001

System Datum: Mean Sea Level

Site: JHS Federal

Site Position:	Northings:	374,881.500 ft	Latitude:	32° 1' 50.379 N
From: Map	Easting:	491,768.400 ft	Longitude:	104° 21' 35.626 W
Position Uncertainty: 0.00 ft	Slot Radius:	"	Grid Convergence:	-0.01 °

Well: #1H

Well Position	+N/-S	0.00 ft	Northings:	374,881.500 ft	Latitude:	32° 1' 50.379 N
	+E/-W	0.00 ft	Easting:	491,768.400 ft	Longitude:	104° 21' 35.626 W
Position Uncertainty		0.00 ft	Wellhead Elevation:	ft	Ground Level:	3,596.00 ft

Wellbore: OH

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	04/12/2010	8.06	59.91	48,557

Design: OH

Audit Notes:

Version: 1.0 Phase: ACTUAL Tie On Depth: 0.00

Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.00	0.00	0.00	180.00



Pathfinder

Pathfinder X & Y Survey Report



Company: Marbob
Project: Eddy County
Site: JHS Federal
Well: #1H
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well #1H
TVD Reference: WELL @ 3614.00ft (Original Well Elev)
MD Reference: WELL @ 3614.00ft (Original Well Elev)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: Midland Database

Survey Program Date 04/22/2010

From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
100.00	4,800.00	GYRO (OH)	MWD	MWD - Standard
4,855.00	9,780.00	MWD #1 (OH)	MWD	MWD - Standard

MD (ft)	Inc (°)	Azi (°)	TVD (ft)	TVDSS (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLeg (°/100ft)	Northing (ft)	Easting (ft)
4,800.00	1.45	204.92	4,799.55	1,185.55	-19.51	3.39	19.51	0.00	374,861.99	491,771.79
4,855.00	3.43	184.33	4,854.50	1,240.50	-21.78	2.97	21.78	3.88	374,859.72	491,771.37
4,886.00	8.27	176.97	4,885.33	1,271.33	-24.93	3.02	24.93	15.77	374,856.57	491,771.42
4,918.00	15.92	176.12	4,916.60	1,302.60	-31.62	3.44	31.62	23.91	374,849.88	491,771.84
4,950.00	21.37	177.46	4,946.91	1,332.91	-41.83	3.99	41.83	17.08	374,839.67	491,772.39
4,982.00	25.15	179.38	4,976.30	1,362.30	-54.46	4.33	54.46	12.05	374,827.04	491,772.73
5,013.00	28.75	181.24	5,003.93	1,389.93	-68.50	4.24	68.50	11.93	374,813.00	491,772.64
5,045.00	31.66	181.49	5,031.58	1,417.58	-84.60	3.85	84.60	9.10	374,796.90	491,772.25
5,077.00	31.92	181.15	5,058.78	1,444.78	-101.45	3.46	101.45	0.99	374,780.05	491,771.86
5,109.00	31.57	181.35	5,085.99	1,471.99	-118.28	3.09	118.28	1.14	374,763.22	491,771.49
5,140.00	33.77	181.11	5,112.09	1,498.09	-135.01	2.74	135.01	7.11	374,746.49	491,771.14
5,172.00	37.02	180.37	5,138.17	1,524.17	-153.54	2.50	153.54	10.24	374,727.96	491,770.90
5,204.00	40.63	179.86	5,163.10	1,549.10	-173.60	2.47	173.60	11.33	374,707.90	491,770.87
5,235.00	43.97	179.96	5,186.02	1,572.02	-194.46	2.50	194.46	10.78	374,687.04	491,770.90
5,267.00	47.40	180.06	5,208.37	1,594.37	-217.35	2.49	217.35	10.72	374,664.15	491,770.89
5,299.00	50.74	180.57	5,229.33	1,615.33	-241.53	2.36	241.53	10.51	374,639.97	491,770.76
5,330.00	54.08	180.51	5,248.24	1,634.24	-266.09	2.13	266.09	10.78	374,615.41	491,770.53
5,362.00	57.42	180.03	5,266.25	1,652.25	-292.53	2.00	292.53	10.51	374,588.97	491,770.40
5,394.00	61.73	180.18	5,282.45	1,668.45	-320.12	1.95	320.12	13.47	374,561.38	491,770.35
5,425.00	66.13	180.31	5,296.07	1,682.07	-347.96	1.83	347.96	14.20	374,533.54	491,770.23
5,457.00	70.79	179.71	5,307.82	1,693.82	-377.71	1.83	377.71	14.67	374,503.79	491,770.23



Pathfinder

Pathfinder X & Y Survey Report



Company:	Marbob	Local Co-ordinate Reference:	Well #1H
Project:	Eddy County	TVD Reference:	WELL @ 3614.00ft (Original Well Elev)
Site:	JHS Federal	MD Reference:	WELL @ 3614.00ft (Original Well Elev)
Well:	#1H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	Midland Database

Survey											
MD (ft)	Inc (°)	Azi (°)	TVD (ft)	TVDSS (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLeg (°/100ft)	Northing (ft)	Easting (ft)	
5,489.00	75.18	179.98	5,317.18	1,703.18	-408.31	1.91	408.31	13.74	374,473.19	491,770.31	
5,520.00	78.79	180.95	5,324.16	1,710.16	-438.50	1.67	438.50	12.04	374,443.00	491,770.07	
5,552.00	82.75	181.61	5,329.29	1,715.29	-470.08	0.96	470.08	12.54	374,411.42	491,769.36	
5,584.00	87.14	181.97	5,332.11	1,718.11	-501.93	-0.04	501.93	13.76	374,379.57	491,768.36	
5,647.00	90.75	181.52	5,333.27	1,719.27	-564.88	-1.95	564.88	5.77	374,316.62	491,766.45	
5,742.00	90.31	180.78	5,332.39	1,718.39	-659.85	-3.86	659.85	0.91	374,221.65	491,764.54	
5,837.00	90.57	180.74	5,331.66	1,717.66	-754.84	-5.12	754.84	0.28	374,126.66	491,763.28	
5,932.00	91.01	180.67	5,330.35	1,716.35	-849.82	-6.29	849.82	0.47	374,031.68	491,762.11	
6,028.00	90.66	182.17	5,328.95	1,714.95	-945.78	-8.67	945.78	1.60	373,935.72	491,759.73	
6,123.00	87.49	180.96	5,330.49	1,716.49	-1,040.72	-11.26	1,040.72	3.57	373,840.78	491,757.14	
6,186.00	87.32	181.06	5,333.34	1,719.34	-1,103.65	-12.37	1,103.65	0.31	373,777.85	491,756.03	
6,281.00	89.34	180.59	5,336.11	1,722.11	-1,198.59	-13.74	1,198.59	2.18	373,682.91	491,754.66	
6,377.00	90.92	180.60	5,335.89	1,721.89	-1,294.58	-14.74	1,294.58	1.65	373,586.92	491,753.66	
6,472.00	91.01	180.09	5,334.29	1,720.29	-1,389.57	-15.31	1,389.57	0.55	373,491.93	491,753.09	
6,568.00	90.31	179.40	5,333.18	1,719.18	-1,485.56	-14.88	1,485.56	1.02	373,395.94	491,753.52	
6,663.00	91.45	179.51	5,331.72	1,717.72	-1,580.54	-13.98	1,580.54	1.21	373,300.96	491,754.42	
6,758.00	91.36	179.34	5,329.39	1,715.39	-1,675.51	-13.02	1,675.51	0.20	373,205.99	491,755.38	
6,854.00	89.25	179.22	5,328.88	1,714.88	-1,771.49	-11.82	1,771.49	2.20	373,110.01	491,756.58	
6,949.00	91.19	179.24	5,328.52	1,714.52	-1,866.48	-10.54	1,866.48	2.04	373,015.02	491,757.86	
7,045.00	89.34	178.89	5,328.07	1,714.07	-1,962.46	-8.98	1,962.46	1.96	372,919.04	491,759.42	
7,140.00	90.84	178.72	5,327.93	1,713.93	-2,057.44	-6.99	2,057.44	1.59	372,824.06	491,761.41	
7,235.00	88.90	179.01	5,328.14	1,714.14	-2,152.41	-5.11	2,152.41	2.06	372,729.09	491,763.29	
7,330.00	89.60	178.90	5,329.38	1,715.38	-2,247.39	-3.38	2,247.39	0.75	372,634.11	491,765.02	
7,426.00	87.58	179.25	5,331.75	1,717.75	-2,343.34	-1.83	2,343.34	2.14	372,538.16	491,766.57	
7,489.00	87.67	178.54	5,334.36	1,720.36	-2,406.28	-0.62	2,406.28	1.14	372,475.22	491,767.78	
7,584.00	89.25	178.78	5,336.91	1,722.91	-2,501.21	1.60	2,501.21	1.68	372,380.29	491,770.00	
7,680.00	89.52	178.43	5,337.94	1,723.94	-2,597.18	3.94	2,597.18	0.46	372,284.32	491,772.34	



Pathfinder

Pathfinder X & Y Survey Report



Company: Marbob
Project: Eddy County
Site: JHS Federal
Well: #1H
Wellbore: OH
Design: OH

Local Co-ordinate Reference:
TVD Reference:
MD Reference:
North Reference:
Survey Calculation Method:
Database:

Well #1H
WELL @ 3614.00ft (Original Well Elev)
WELL @ 3614.00ft (Original Well Elev)
Grid
Minimum Curvature
Midland Database

Survey											
MD (ft)	Inc (°)	Azi (°)	TVD (ft)	TVDSS (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLeg (%/100ft)	Northing (ft)	Easting (ft)	
7,775.00	90.48	178.10	5,337.94	1,723.94	-2,692.13	6.82	2,692.13	1.07	372,189.37	491,775.22	
7,871.00	90.13	178.81	5,337.43	1,723.43	-2,788.10	9.41	2,788.10	0.82	372,093.40	491,777.81	
7,965.00	89.78	179.43	5,337.50	1,723.50	-2,882.09	10.85	2,882.09	0.76	371,999.41	491,779.25	
8,061.00	90.84	179.63	5,336.98	1,722.98	-2,978.08	11.64	2,978.08	1.12	371,903.42	491,780.04	
8,156.00	88.81	178.73	5,337.27	1,723.27	-3,073.06	13.00	3,073.06	2.34	371,808.44	491,781.40	
8,252.00	90.04	178.07	5,338.24	1,724.24	-3,169.02	15.68	3,169.02	1.45	371,712.48	491,784.08	
8,347.00	91.36	177.98	5,337.08	1,723.08	-3,263.95	18.95	3,263.95	1.39	371,617.55	491,787.35	
8,442.00	90.40	178.86	5,335.62	1,721.62	-3,358.90	21.57	3,358.90	1.37	371,522.60	491,789.97	
8,537.00	90.75	178.18	5,334.66	1,720.66	-3,453.87	24.02	3,453.87	0.81	371,427.63	491,792.42	
8,632.00	90.66	179.31	5,333.50	1,719.50	-3,548.84	26.10	3,548.84	1.19	371,332.66	491,794.50	
8,728.00	90.66	179.66	5,332.39	1,718.39	-3,644.83	26.97	3,644.83	0.36	371,236.67	491,795.37	
8,823.00	89.08	181.00	5,332.61	1,718.61	-3,739.82	26.42	3,739.82	2.18	371,141.68	491,794.82	
8,918.00	90.57	180.54	5,332.90	1,718.90	-3,834.81	25.14	3,834.81	1.64	371,046.69	491,793.54	
9,014.00	90.40	181.38	5,332.08	1,718.08	-3,930.79	23.53	3,930.79	0.89	370,950.71	491,791.93	
9,110.00	90.22	182.01	5,331.56	1,717.56	-4,026.74	20.69	4,026.74	0.68	370,854.76	491,789.09	
9,205.00	87.49	181.82	5,333.46	1,719.46	-4,121.66	17.52	4,121.66	2.88	370,759.84	491,785.92	
9,300.00	88.37	181.11	5,336.89	1,722.89	-4,216.57	15.09	4,216.57	1.19	370,664.93	491,783.49	
9,396.00	87.85	181.06	5,340.06	1,726.06	-4,312.50	13.28	4,312.50	0.54	370,569.00	491,781.68	
9,491.00	88.90	180.77	5,342.75	1,728.75	-4,407.45	11.76	4,407.45	1.15	370,474.05	491,780.16	
9,586.00	88.99	180.23	5,344.50	1,730.50	-4,502.43	10.93	4,502.43	0.58	370,379.07	491,779.33	
9,649.00	89.60	179.68	5,345.28	1,731.28	-4,565.42	10.98	4,565.42	1.30	370,316.08	491,779.38	
9,736.00	91.50	180.00	5,344.44	1,730.44	-4,652.41	11.22	4,652.41	2.21	370,229.09	491,779.62	
9,780.00	91.50	180.00	5,343.29	1,729.29	-4,696.40	11.22	4,696.40	0.00	370,185.10	491,779.62	

BHL-9780.00°MD,91.50°INC,180.00°AZI, 5343.29°TVD, 4696.40°VS, -4696.40°N, 11.22°E - PBHL(JHS#1)



Pathfinder

Pathfinder X & Y Survey Report



Company: Marbob
Project: Eddy County
Site: JHS Federal
Well: #1H
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well #1H
TVD Reference: WELL @ 3614.00ft (Original Well Elev)
MD Reference: WELL @ 3614.00ft (Original Well Elev)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: Midland Database

Targets

Target Name	- hit/miss target	Dip Angle (°)	Dip Dir (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
PBHL(JHS#1)		0.00	0.00	5,335.00	-4,717.20	-8.20	370,164.300	491,760.200	32° 1' 3.694 N	104° 21' 35.708 W
	- survey misses target center by 29.64ft at 9780.00ft MD (5343.29 TVD, -4696.40 N, 11.22 E)									
	- Point									

Survey Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates +N/-S (ft)	+E/-W (ft)	Comment
9,780.00	5,343.29	-4,696.40	11.22	BHL-9780 00'MD,91.50°INC,180.00°AZI, 5343.29'TVD, 4696.40'VS, -4'

Checked By: _____ Approved By: _____ Date: _____