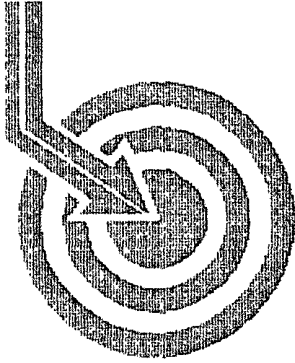


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Scientific Drilling

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MARBOB ENERGY

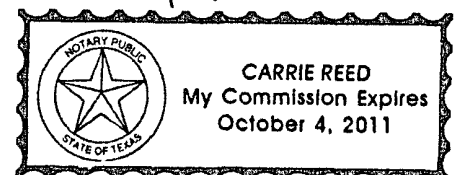
Field: Willow Lake
Site: Eddy County, NM
Well: White Federal #1H
Wellpath: VH - Job #32K1109500
Survey: 11/18/09

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

.....Stephen B......Company Representative

Notorized this date 10th of December, 2009.

Carrie Reed
Notary Signature
County of Midland
State of Texas





Scientific
Drilling

Scientific Drilling International Survey Report

Company: MARBOB ENERGY	Date: 11/24/2009	Time: 13:07:02	Page: 1
Field: Willow Lake	Co-ordinate(NE) Reference:	Site: Eddy County, NM, Grid North	
Site: Eddy County, NM	Vertical (TVD) Reference:	SITE 0.0	
Well: White Federal #1H	Section (VS) Reference:	Well (0.00N,0.00E,179.71Azi)	
Wellpath: VH- Job #32K1109500	Survey Calculation Method:	Minimum Curvature	Db: Sybase

Survey: 11/18/09	Start Date: 11/18/2009
Company: KSRG 0'-6745'	
Company: Scientific Drilling Internatio	Engineer: Guebara/Garza/Williams
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
0.00	0.00	359.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.23	267.20	100.00	0.01	-0.01	-0.20	0.23	0.20	267.20
200.00	0.22	168.95	200.00	0.21	-0.21	-0.36	0.34	0.42	240.26
300.00	1.51	103.14	299.99	0.70	-0.70	0.96	1.43	1.18	126.06
400.00	2.13	118.51	399.94	1.90	-1.88	3.87	0.78	4.31	115.93
500.00	2.80	128.48	499.84	4.33	-4.29	7.42	0.79	8.57	120.04
600.00	2.80	129.02	599.72	7.40	-7.35	11.23	0.03	13.42	123.20
700.00	1.31	164.93	699.66	10.06	-9.99	13.42	1.90	16.73	126.66
800.00	1.27	191.02	799.64	12.25	-12.18	13.51	0.58	18.19	132.04
900.00	1.51	202.63	899.61	14.55	-14.48	12.79	0.37	19.32	138.56
1000.00	1.36	202.90	999.58	16.85	-16.79	11.82	0.15	20.54	144.86
1100.00	1.47	193.49	1099.55	19.19	-19.13	11.06	0.26	22.10	149.97
1200.00	1.29	181.48	1199.52	21.56	-21.51	10.73	0.34	24.03	153.48
1300.00	1.23	159.96	1299.49	23.70	-23.64	11.07	0.47	26.10	154.91
1400.00	1.04	140.56	1399.47	25.41	-25.35	12.01	0.43	28.05	154.64
1500.00	1.30	121.64	1499.45	26.71	-26.65	13.56	0.46	29.90	153.04
1600.00	1.39	108.56	1599.43	27.71	-27.63	15.67	0.32	31.76	150.44
1700.00	1.30	105.14	1699.40	28.40	-28.31	17.92	0.12	33.50	147.67
1800.00	1.18	96.28	1799.37	28.82	-28.72	20.03	0.23	35.02	145.10
1900.00	1.42	93.81	1899.35	29.03	-28.91	22.29	0.25	36.51	142.36
2000.00	1.37	82.03	1999.32	28.95	-28.83	24.71	0.29	37.97	139.39
2100.00	1.01	56.64	2099.30	28.31	-28.18	26.63	0.63	38.77	136.61
2200.00	0.92	63.44	2199.28	27.48	-27.34	28.09	0.15	39.19	134.22
2300.00	1.00	76.61	2299.27	26.92	-26.77	29.66	0.23	39.95	132.08
2400.00	2.10	82.67	2399.23	26.50	-26.34	32.32	1.11	41.69	129.18
2500.00	2.32	83.31	2499.16	26.05	-25.87	36.15	0.22	44.45	125.59
2600.00	2.25	86.77	2599.08	25.73	-25.52	40.12	0.15	47.55	122.46
2700.00	2.41	88.69	2699.00	25.59	-25.36	44.18	0.18	50.94	119.86
2800.00	2.41	92.57	2798.91	25.65	-25.41	48.38	0.16	54.65	117.71
2900.00	2.50	92.27	2898.82	25.86	-25.59	52.66	0.09	58.55	115.92
3000.00	1.88	94.47	2998.74	26.09	-25.80	56.48	0.63	62.09	114.56
3100.00	1.28	100.57	3098.70	26.44	-26.14	59.21	0.62	64.72	113.82
3200.00	1.27	108.64	3198.68	27.01	-26.70	61.36	0.18	66.92	113.51
3300.00	1.17	105.02	3298.66	27.64	-27.32	63.40	0.13	69.03	113.31
3400.00	0.87	95.11	3398.64	27.98	-27.65	65.14	0.35	70.76	113.00
3500.00	0.88	98.58	3498.63	28.17	-27.83	66.65	0.05	72.23	112.66
3600.00	0.62	79.42	3598.62	28.19	-27.85	67.94	0.36	73.43	112.28
3700.00	0.54	79.80	3698.62	28.01	-27.66	68.94	0.08	74.28	111.86
3800.00	0.57	64.38	3798.61	27.72	-27.36	69.85	0.15	75.02	111.39
3900.00	0.49	76.50	3898.61	27.41	-27.05	70.72	0.14	75.71	110.93
4000.00	0.51	81.29	3998.60	27.24	-26.88	71.57	0.05	76.45	110.59
4100.00	0.53	68.22	4098.60	27.01	-26.64	72.44	0.12	77.19	110.19
4200.00	0.38	66.46	4198.60	26.71	-26.34	73.18	0.15	77.77	109.80
4300.00	0.41	55.85	4298.59	26.38	-26.01	73.78	0.08	78.22	109.42
4400.00	0.19	90.43	4398.59	26.18	-25.81	74.24	0.28	78.59	109.17
4500.00	0.24	104.98	4498.59	26.24	-25.86	74.61	0.07	78.96	109.12
4600.00	0.21	78.14	4598.59	26.26	-25.88	74.99	0.11	79.33	109.04
4700.00	0.05	27.62	4698.59	26.18	-25.80	75.19	0.18	79.49	108.94
4800.00	0.13	172.09	4798.59	26.26	-25.87	75.22	0.17	79.55	108.98



**Scientific
Drilling**

Field: Willow Lake
Site: Eddy County, NM
Well: White Federal #1H
Wellpath: VH - Job #32K1109500
Survey: 11/18/09

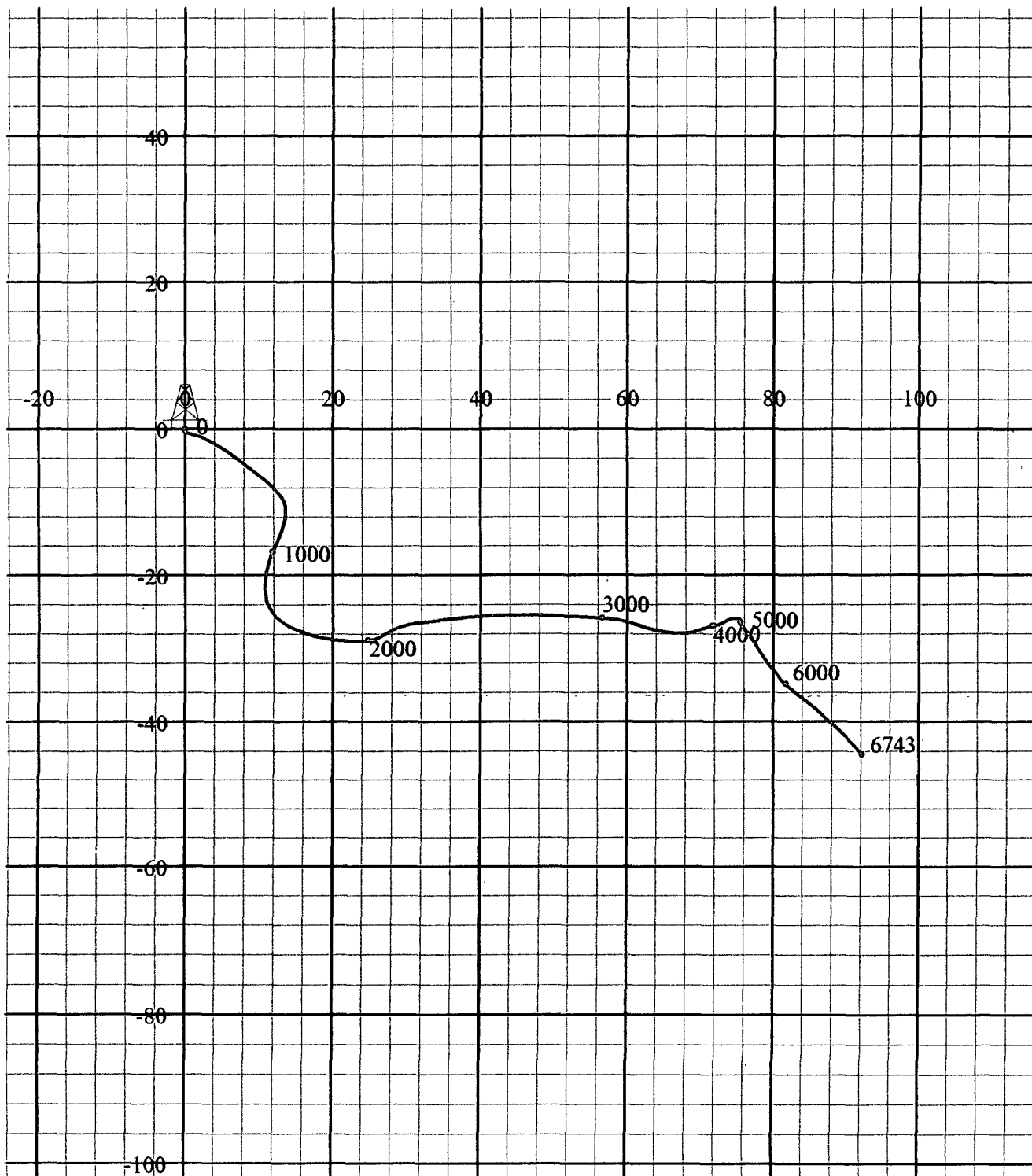


Azimuths to Grid North
True North: 0.00°
Magnetic North: 0.00°

Magnetic Field
Strength: 0nT
Dip Angle: 0.00°
Date: 11/24/2009
Model: igrf2000

West(-)/East(+) [20ft/in]

South(-)/North(+) [20ft/in]



PathFinder Energy Services, Inc.

Survey Report

MARBOB ENERGY

WHITE FED #1H

EDDY COUNTY, NM

Rig: PATRIOT 3

PathFinder Office Supervisor: FRANCISCO SINISTERRA

PathFinder Field Engineers: N. TVRDY

T. STACKHOUSE

Survey Horiz. Reference: WELLHEAD

Ref Coordinates: LAT: 32.7.16.6507 N LON: 103.58.53.7424 W

Reference: NAD27 new mexico east Transverse Mercator

Ref GRID Coord: X: 608893.5000 Y: 408026.2000

North Aligned To: GRID NORTH

Total Magnetic Correction: 7.76° EAST TO GRID

Vertical Section Plane: 180.83

Survey Vert. Reference: 22.00' Kelly Bushing To Ground

Altitude: 3042.00' Ground To MSL

Survey Calculations by RX5 V6.02A using Minimum Curvature

Measured Depth (ft)	Incl (deg)	Drift Dir. (deg)	TVD (ft)	Course Length (ft)	Vertical Section (ft)	TOTAL Rectangular Offsets (ft) (ft)		Closure Dist Dir (ft) (deg)		DLS (dg/100ft)
THE FOLLOWING ARE SCIENTIFIC GYRO SURVEYS.										
0.00	0.00	0.00	0.00	0.00	0.00	0.00 S	0.00 W	0.00@	258.39	0.00
100.00	0.23	267.20	100.00	100.00	0.01	0.01 S	0.20 W	0.21@	267.00	0.23
200.00	0.22	168.95	200.00	100.00	0.21	0.21 S	0.37 W	0.42@	240.45	0.34
300.00	1.51	103.14	299.99	100.00	0.68	0.70 S	0.95 E	1.18@	126.23	1.43
400.00	2.13	118.51	399.94	100.00	1.83	1.88 S	3.87 E	4.30@	115.97	0.78
500.00	2.80	128.48	499.85	100.00	4.18	4.29 S	7.41 E	8.56@	120.06	0.79
600.00	2.80	129.02	599.73	100.00	7.18	7.35 S	11.22 E	13.41@	123.22	0.03
700.00	1.31	164.93	699.66	100.00	9.79	9.99 S	13.42 E	16.73@	126.67	1.90
800.00	1.27	191.02	799.64	100.00	11.98	12.18 S	13.50 E	18.19@	132.06	0.58
900.00	1.51	202.63	899.61	100.00	14.30	14.49 S	12.78 E	19.32@	138.57	0.37
1000.00	1.36	202.90	999.58	100.00	16.62	16.79 S	11.82 E	20.53@	144.87	0.15
1100.00	1.47	193.49	1099.55	100.00	18.97	19.13 S	11.05 E	22.10@	149.99	0.26
1200.00	1.29	181.48	1199.52	100.00	21.35	21.51 S	10.73 E	24.03@	153.49	0.34
1300.00	1.23	159.96	1299.49	100.00	23.48	23.64 S	11.06 E	26.10@	154.92	0.47
1400.00	1.04	140.56	1399.48	100.00	25.17	25.35 S	12.01 E	28.05@	154.65	0.43
1500.00	1.30	121.64	1499.45	100.00	26.45	26.65 S	13.55 E	29.89@	153.04	0.46
1600.00	1.39	108.56	1599.43	100.00	27.40	27.63 S	15.67 E	31.76@	150.44	0.32
1700.00	1.30	105.14	1699.40	100.00	28.05	28.31 S	17.91 E	33.50@	147.68	0.12
1800.00	1.18	96.28	1799.38	100.00	28.43	28.72 S	20.03 E	35.01@	145.11	0.23
1900.00	1.42	93.81	1899.35	100.00	28.59	28.91 S	22.29 E	36.51@	142.37	0.25
2000.00	1.37	82.03	1999.32	100.00	28.47	28.83 S	24.71 E	37.97@	139.40	0.29
2100.00	1.01	56.64	2099.30	100.00	27.79	28.18 S	26.63 E	38.77@	136.62	0.63
2200.00	0.92	63.44	2199.29	100.00	26.93	27.34 S	28.08 E	39.19@	134.23	0.14
2300.00	1.00	76.61	2299.27	100.00	26.34	26.78 S	29.65 E	39.95@	132.08	0.23
2400.00	2.10	82.67	2399.23	100.00	25.87	26.34 S	32.32 E	41.69@	129.18	1.11
2500.00	2.32	83.31	2499.16	100.00	25.34	25.87 S	36.14 E	44.45@	125.59	0.22

PathFinder Energy Services, Inc.

Survey Report

MARBOB ENERGY
WHITE FED #1H
EDDY COUNTY, NM
RIG:PATRIOT 3

Page 02/06

Measured Depth (ft)	Incl (deg)	Drift Dir. (deg)	TVD (ft)	Course Length (ft)	Vertical Section (ft)	TOTAL Rectangular Offsets (ft) (ft)		Closure Dist Dir (ft) (deg)		DLS (dg/100ft)
2600.00	2.25	86.77	2599.08	100.00	24.94	25.52 S	40.11 E	47.55@	122.47	0.16
2700.00	2.41	88.69	2699.00	100.00	24.72	25.36 S	44.18 E	50.94@	119.86	0.18
2800.00	2.41	92.57	2798.91	100.00	24.71	25.41 S	48.38 E	54.65@	117.71	0.16
2900.00	2.50	92.27	2898.82	100.00	24.83	25.59 S	52.66 E	58.55@	115.92	0.09
3000.00	1.88	94.47	2998.74	100.00	24.98	25.81 S	56.47 E	62.09@	114.56	0.63
3100.00	1.28	100.57	3098.71	100.00	25.28	26.14 S	59.21 E	64.72@	113.82	0.62
3200.00	1.27	108.64	3198.68	100.00	25.81	26.70 S	61.35 E	66.91@	113.52	0.18
3300.00	1.17	105.02	3298.66	100.00	26.40	27.32 S	63.39 E	69.03@	113.31	0.13
3400.00	0.87	95.11	3398.64	100.00	26.70	27.65 S	65.13 E	70.76@	113.00	0.35
3500.00	0.88	98.58	3498.63	100.00	26.86	27.83 S	66.65 E	72.23@	112.66	0.05
3600.00	0.62	79.42	3598.62	100.00	26.86	27.85 S	67.94 E	73.42@	112.29	0.36
3700.00	0.54	79.80	3698.62	100.00	26.66	27.66 S	68.94 E	74.28@	111.87	0.08
3800.00	0.57	64.38	3798.61	100.00	26.35	27.36 S	69.85 E	75.02@	111.39	0.15
3900.00	0.49	76.50	3898.61	100.00	26.02	27.05 S	70.71 E	75.71@	110.93	0.14
4000.00	0.51	81.29	3998.60	100.00	25.84	26.88 S	71.57 E	76.45@	110.59	0.05
4100.00	0.53	68.22	4098.60	100.00	25.59	26.64 S	72.44 E	77.18@	110.19	0.12
4200.00	0.38	66.46	4198.60	100.00	25.28	26.34 S	73.17 E	77.77@	109.80	0.15
4300.00	0.41	55.85	4298.59	100.00	24.93	26.01 S	73.77 E	78.22@	109.42	0.08
4400.00	0.19	90.43	4398.59	100.00	24.73	25.81 S	74.23 E	78.59@	109.17	0.28
4500.00	0.24	104.98	4498.59	100.00	24.78	25.86 S	74.60 E	78.96@	109.12	0.07
4600.00	0.21	78.14	4598.59	100.00	24.79	25.88 S	74.98 E	79.32@	109.04	0.11
4700.00	0.05	27.62	4698.59	100.00	24.71	25.80 S	75.18 E	79.49@	108.94	0.18
4800.00	0.13	172.09	4798.59	100.00	24.78	25.88 S	75.22 E	79.54@	108.98	0.17
4900.00	0.18	147.24	4898.59	100.00	25.03	26.12 S	75.32 E	79.72@	109.13	0.08
5000.00	0.18	179.32	4998.59	100.00	25.31	26.41 S	75.41 E	79.90@	109.30	0.10
5100.00	0.30	159.01	5098.59	100.00	25.71	26.81 S	75.50 E	80.12@	109.55	0.14
5200.00	0.42	129.36	5198.59	100.00	26.19	27.29 S	75.88 E	80.64@	109.78	0.22
5300.00	0.36	137.06	5298.59	100.00	26.64	27.75 S	76.38 E	81.26@	109.97	0.08
5400.00	0.46	143.24	5398.58	100.00	27.19	28.30 S	76.83 E	81.88@	110.22	0.11

PathFinder Energy Services, Inc.

Survey Report

MARBOB ENERGY
WHITE FED #1H
EDDY COUNTY, NM
RIG: PATRIOT 3

Page 03/06

Measured Depth (ft)	Incl (deg)	Drift Dir. (deg)	TVD (ft)	Course Length (ft)	Vertical Section (ft)	TOTAL Rectangular Offsets (ft) (ft)		Closure Dist Dir (ft) (deg)		DLS (dg/100ft)
5500.00	0.73	150.72	5498.58	100.00	28.06	29.18 S	77.38 E	82.70@	110.66	0.28
5600.00	0.82	148.96	5598.57	100.00	29.21	30.35 S	78.06 E	83.75@	111.24	0.09
5700.00	0.80	144.93	5698.56	100.00	30.39	31.53 S	78.83 E	84.90@	111.80	0.06
5800.00	0.74	137.54	5798.55	100.00	31.42	32.58 S	79.67 E	86.07@	112.24	0.12
5900.00	0.88	143.65	5898.54	100.00	32.50	33.67 S	80.56 E	87.32@	112.69	0.16
6000.00	0.91	130.87	5998.53	100.00	33.63	34.81 S	81.62 E	88.73@	113.10	0.20
6100.00	0.88	131.16	6098.51	100.00	34.63	35.84 S	82.79 E	90.22@	113.41	0.03
6200.00	1.06	124.84	6198.50	100.00	35.65	36.87 S	84.13 E	91.86@	113.67	0.21
6300.00	1.14	132.06	6298.48	100.00	36.82	38.07 S	85.63 E	93.71@	113.97	0.16
6400.00	1.18	133.05	6398.46	100.00	38.17	39.44 S	87.12 E	95.63@	114.35	0.05
6500.00	1.09	130.38	6498.44	100.00	39.47	40.76 S	88.60 E	97.52@	114.70	0.10
6600.00	1.15	136.52	6598.42	100.00	40.79	42.10 S	90.01 E	99.37@	115.07	0.13
6700.00	1.29	138.76	6698.40	100.00	42.34	43.67 S	91.45 E	101.34@	115.53	0.15
** TIE IN TO SCIENTIFIC GYRO SURVEY @ 6745' MD.										
6745.00	1.13	139.04	6743.39	45.00	43.05	44.39 S	92.07 E	102.21@	115.74	0.36
THE FOLLOWING ARE PATHFINDER MWD SURVEYS.										
6785.00	2.11	176.23	6783.37	40.00	44.08	45.42 S	92.38 E	102.94@	116.18	3.47
6817.00	5.54	189.84	6815.30	32.00	46.19	47.53 S	92.15 E	103.69@	117.29	11.01
6849.00	9.85	195.53	6847.00	32.00	50.37	51.69 S	91.15 E	104.79@	119.56	13.66
6881.00	14.16	199.23	6878.30	32.00	56.73	58.03 S	89.13 E	106.36@	123.07	13.67
6913.00	18.03	198.46	6909.04	32.00	65.17	66.43 S	86.27 E	108.88@	127.59	12.11
6944.00	21.37	194.80	6938.22	31.00	75.23	76.44 S	83.31 E	113.07@	132.54	11.48
6976.00	24.36	193.14	6967.70	32.00	87.33	88.51 S	80.32 E	119.52@	137.78	9.56
7008.00	28.31	194.68	6996.38	32.00	101.16	102.28 S	76.90 E	127.96@	143.06	12.53
7040.00	32.27	193.12	7024.00	32.00	116.88	117.95 S	73.03 E	138.73@	148.23	12.62
7071.00	35.26	191.40	7049.77	31.00	133.76	134.78 S	69.38 E	151.59@	152.76	10.13
7103.00	38.25	189.28	7075.41	32.00	152.65	153.62 S	65.96 E	167.18@	156.76	10.15
7135.00	41.24	186.58	7100.01	32.00	172.94	173.88 S	63.15 E	184.99@	160.04	10.79
7167.00	44.93	186.27	7123.38	32.00	194.69	195.59 S	60.71 E	204.80@	162.76	11.55
7198.00	48.28	188.06	7144.67	31.00	217.08	217.94 S	57.89 E	225.50@	165.12	11.59

KOP

PathFinder Energy Services, Inc.

Survey Report

MARBOB ENERGY
WHITE FED #1H
EDDY COUNTY, NM
RIG: PATRIOT 3

Page 04/06

Measured Depth (ft)	Incl (deg)	Drift Dir. (deg)	TVD (ft)	Course Length (ft)	Vertical Section (ft)	TOTAL Rectangular Offsets (ft) (ft)		Closure Dist Dir (ft) (deg)		DLS (dg/100ft)
7230.00	51.88	188.96	7165.21	32.00	241.39	242.20 S	54.25 E	248.21@	167.37	11.45
7262.00	54.61	189.29	7184.35	32.00	266.76	267.52 S	50.19 E	272.18@	169.37	8.57
7294.00	57.86	189.96	7202.14	32.00	293.05	293.74 S	45.74 E	297.28@	171.15	10.30
7326.00	61.03	190.38	7218.40	32.00	320.23	320.86 S	40.87 E	323.45@	172.74	9.97
7357.00	64.19	190.71	7232.66	31.00	347.36	347.92 S	35.83 E	349.76@	174.12	10.24
7389.00	67.44	190.01	7245.77	32.00	376.14	376.63 S	30.59 E	377.87@	175.36	10.35
7421.00	70.61	190.37	7257.22	32.00	405.62	406.03 S	25.30 E	406.82@	176.43	9.96
7453.00	73.07	190.36	7267.20	32.00	435.61	435.94 S	19.83 E	436.39@	177.40	7.69
7485.00	75.89	190.82	7275.76	32.00	465.99	466.24 S	14.16 E	466.46@	178.26	8.92
7516.00	78.70	190.43	7282.57	31.00	495.79	495.96 S	8.59 E	496.04@	179.01	9.15
7548.00	80.72	189.82	7288.29	32.00	526.86	526.96 S	3.05 E	526.97@	179.67	6.59
7580.00	83.01	190.16	7292.82	32.00	558.13	558.15 S	2.44 W	558.16@	180.25	7.23
7612.00	84.68	189.06	7296.25	32.00	589.57	589.52 S	7.75 W	589.57@	180.75	6.24
7643.00	87.32	187.79	7298.41	31.00	620.22	620.11 S	12.28 W	620.23@	181.13	9.45
7673.00	88.55	186.47	7299.49	30.00	650.02	649.86 S	16.00 W	650.05@	181.41	6.01
7707.00	88.81	186.05	7300.28	34.00	683.86	683.64 S	19.71 W	683.93@	181.65	1.45
7739.00	90.13	185.87	7300.57	32.00	715.73	715.47 S	23.03 W	715.84@	181.84	4.16
7803.00	90.04	185.51	7300.48	64.00	779.50	779.15 S	29.38 W	779.71@	182.16	0.58
7898.00	89.16	186.08	7301.14	95.00	874.14	873.66 S	38.97 W	874.53@	182.55	1.10
7993.00	89.60	185.95	7302.17	95.00	968.74	968.13 S	48.92 W	969.37@	182.89	0.48
8089.00	90.66	185.22	7301.95	96.00	1064.41	1063.68 S	58.26 W	1065.27@	183.14	1.34
8184.00	91.54	185.83	7300.13	95.00	1159.07	1158.22 S	67.41 W	1160.18@	183.33	1.13
8279.00	90.75	185.87	7298.23	95.00	1253.69	1252.70 S	77.09 W	1255.07@	183.52	0.83
8375.00	91.01	185.54	7296.75	96.00	1349.33	1348.21 S	86.63 W	1351.00@	183.68	0.44
8470.00	89.25	186.15	7296.54	95.00	1443.96	1442.72 S	96.31 W	1445.93@	183.82	1.96
8565.00	88.90	186.11	7298.07	95.00	1538.54	1537.16 S	106.45 W	1540.84@	183.96	0.37
8661.00	88.90	186.22	7299.91	96.00	1634.11	1632.59 S	116.76 W	1636.76@	184.09	0.12
8756.00	90.92	186.73	7300.06	95.00	1728.64	1726.98 S	127.47 W	1731.68@	184.22	2.19
8851.00	90.75	186.54	7298.68	95.00	1823.14	1821.33 S	138.45 W	1826.58@	184.35	0.27

+Horz →

PathFinder Energy Services, Inc.

Survey Report

MARBOB ENERGY
WHITE FED #1H
EDDY COUNTY, NM
RIG: PATRIOT 3

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Measured Depth (ft)	Incl (deg)	Drift Dir. (deg)	TVD (ft)	Course Length (ft)	Vertical Section (ft)	TOTAL Rectangular Offsets (ft) (ft)		Closure Dist Dir (ft) (deg)		DLS (dg/100ft)
8947.00	89.60	184.69	7298.39	96.00	1918.80	1916.86 S	147.84 W	1922.56@	184.41	2.27
9042.00	89.60	182.89	7299.05	95.00	2013.67	2011.65 S	154.12 W	2017.54@	184.38	1.89
9169.00	90.22	181.07	7299.25	127.00	2140.64	2138.57 S	158.50 W	2144.43@	184.24	1.51
9264.00	89.96	179.58	7299.10	95.00	2235.63	2233.56 S	159.04 W	2239.22@	184.07	1.59
9360.00	90.22	179.19	7298.95	96.00	2331.60	2329.56 S	158.01 W	2334.91@	183.88	0.49
9455.00	88.64	177.21	7299.89	95.00	2426.49	2424.50 S	155.03 W	2429.45@	183.66	2.67
9550.00	87.67	176.60	7302.95	95.00	2521.22	2519.31 S	149.90 W	2523.77@	183.41	1.21
9646.00	88.55	177.05	7306.12	96.00	2616.93	2615.11 S	144.59 W	2619.10@	183.16	1.03
9741.00	89.69	176.10	7307.58	95.00	2711.65	2709.93 S	138.91 W	2713.48@	182.93	1.56
9836.00	90.31	175.37	7307.58	95.00	2806.28	2804.66 S	131.85 W	2807.76@	182.69	1.01
9931.00	90.48	175.79	7306.92	95.00	2900.88	2899.38 S	124.53 W	2902.05@	182.46	0.48
10027.00	90.75	175.74	7305.89	96.00	2996.49	2995.11 S	117.44 W	2997.41@	182.25	0.29
10122.00	90.92	175.55	7304.51	95.00	3091.10	3089.82 S	110.23 W	3091.79@	182.04	0.27
10217.00	90.57	177.03	7303.27	95.00	3185.79	3184.61 S	104.08 W	3186.31@	181.87	1.60
10313.00	90.22	177.15	7302.61	96.00	3281.58	3280.49 S	99.21 W	3281.99@	181.73	0.39
10408.00	90.13	177.36	7302.32	95.00	3376.39	3375.38 S	94.66 W	3376.70@	181.61	0.24
10503.00	90.04	177.10	7302.18	95.00	3471.21	3470.27 S	90.07 W	3471.44@	181.49	0.29
10598.00	89.25	176.83	7302.77	95.00	3565.99	3565.13 S	85.04 W	3566.14@	181.37	0.88
10693.00	89.52	177.49	7303.79	95.00	3660.79	3660.01 S	80.33 W	3660.89@	181.26	0.75
10788.00	89.52	177.96	7304.58	95.00	3755.64	3754.93 S	76.56 W	3755.71@	181.17	0.49
10884.00	90.13	177.57	7304.88	96.00	3851.51	3850.86 S	72.81 W	3851.54@	181.08	0.75
10979.00	90.57	177.63	7304.30	95.00	3946.35	3945.77 S	68.84 W	3946.37@	181.00	0.47
11075.00	90.66	178.02	7303.27	96.00	4042.22	4041.69 S	65.19 W	4042.22@	180.92	0.42
11170.00	91.28	178.70	7301.66	95.00	4137.11	4136.64 S	62.47 W	4137.11@	180.87	0.97
11265.00	91.28	179.06	7299.54	95.00	4232.03	4231.60 S	60.62 W	4232.03@	180.82	0.38
11360.00	90.40	178.93	7298.14	95.00	4326.97	4326.57 S	58.95 W	4326.98@	180.78	0.94
11455.00	90.22	179.22	7297.63	95.00	4421.93	4421.56 S	57.42 W	4421.93@	180.74	0.36
STRAIGHT LINE PROJECTION TO BIT @ 11500' MD.										
11500.00	90.22	179.22	7297.46	45.00	4466.91	4466.56 S	56.81 W	4466.92@	180.73	0.00

SURF: 480' FNL, 380' FEL
EOL: 333' FEL, 437' FEL