

WELL LOGS

K Z

API number:	30-025-39026		
OGRID:		Operator:	MARBOB ENERGY CORP
		Property:	FALCON FEDERAL # 3

surface	ULSTR:	C	09	T	19S	R	32E
			330	FNL	2310	FWL	

BH Loc	ULSTR:	F	09	T	19S	R	32E
			2297	FNL	2209	FWL	

Ground Level:	3650	DF:	3666	KB:	3667		
Datum:	KB			MTD:	11065	TVD:	9333

Land: **FEDERAL**

Completion Date: (1) **10/23/2008**

Date Logs Received: **11/10/2008**

Date Logs Due in: (2) **11/12/2008**

Confidential:	NO			Date out:		
---------------	----	--	--	-----------	--	--

Confidential period: 90 Days for State & Fee, 1 Year for federal

Date Due In: (1) is equal to Completion Date (1) + 20 days

Logs	Depth interval		
DSN/SDL	190	9683	Spectral Density Dual Spaced Neutron
DLL/MGRD	3020	9731	Dual Laterolog Micro Guard Log

K Z

OCD TOPS

Rustler	1157	Strawn		
Tansill		Atoka		
Yates	3005	Morrow		
7R	3361			
T. Bowers Sd		Austin		
B. Bowers Sd		Chester		
Queen	3850	Miss Lime		
Penrose				
Grayburg	4185			
Getaway Bank	4672			
Delaware Sd	5131			
Bone Spring	7132			
1st Sd	8436			
2nd Carb	8692			
2nd Sd				
3rd Carb				
3rd Sd				
Wolfcamp				

Results of Directional Survey

API number:	30-025-39026		
OGRID:		Operator:	MARBOB ENERGY CORP
		Property:	FALCON FEDERAL # 3

surface	ULSTR:	C	09	T	19S	R	32E
			330	FNL	2310	FWL	

BH Loc	ULSTR:	F	09	T	19S	R	32E
			2297	FNL	2209	FWL	

	MD	N/S	E/W	VD
	9611	-518.22	-34.73	9313.72
TOP PERFS/OH	9623	-530.03	-36.89	9313.65
	9643	-549.70	-40.50	9313.53
	10978	-1879.86	-105.12	9330.57
BOT PERFS/OH	11000	-1901.83	-104.12	9331.13
	11002	-1903.83	-104.03	9331.18

NEXT TO LAST	10978	-1879.86	-105.12	9330.57
LAST READING	11002	-1903.83	-104.03	9331.18
TD	11065	-1966.75	-101.17	9332.78

Surface Location	330	FN	2310	FW
Projected BHL	2297	FN	2209	FW
Location of				
Top Perfs/OH	860	FN	2273	FW
Bottom Perfs/OH	2232	FN	2206	FW

SUMMARY of Subsurface Locations

Surface Location	C-09-19S-32E	330	FN	2310	FW	Vert. Depth
Top Perfs/OH	C-09-19S-32E	860	FN	2273	FW	9313.65
Bottom Perfs/OH	F-09-19S-32E	2232	FN	2206	FW	9331.13
Projected TD	F-09-19S-32E	2297	FN	2209	FW	9332.78

OPERATOR: Marbob Energy Corp.
WELL/LEASE: Falcon Fed # 3
COUNTY: Lea Co., N.M.

SUR: C-9-19s-32e, 330/N & 2310/W
BHL: F-9-19s-32e, 2297/N & 2209/W
API # 30-025-39026

STATE OF NEW MEXICO
DEVIATION REPORT

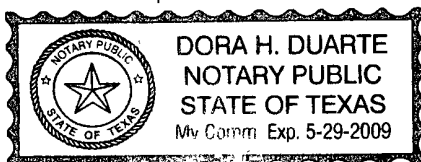
<u>Depth</u>	<u>Deviation</u>	<u>Depth</u>	<u>Deviation</u>
302	1/2	6,212	1/4
596	3/4	6,498	0
888	3/4	3,783	1
1,120	1 1/2	7,006	1/4
1,397	1	7,350	1/2
1,705	0	7,672	1
2,001	1 3/4	7,982	3/4
2,287	1	8,469	1/2
2,478	1 1/2	8,965	1/4
2,668	1 1/4	9,498	1 3/4
2,859	0		
3,018	1 1/2		
2,505	1/2		
3,987	3/4		
4,464	1		
4,973	1 1/4		
5,449	1/2		
5,926	1		

Patriot Drilling, LLC

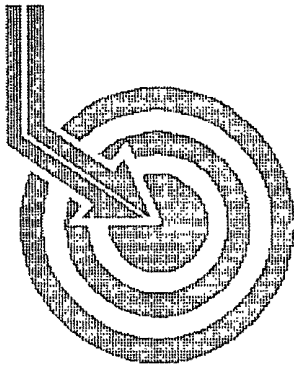

M. Leroy Peterson, Executive Vice-
President

The foregoing instrument was acknowledged before me on this 18th day of August, 2008 by M. Leroy Peterson, Executive Vice-President of Patriot Drilling, LLC.

My Commission Expires: 5/29/2009




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



Scientific Drilling

SUR: C-9-19s-32e, 330/N & 2310/W
BHL: F-9-19s-32e, 2297/N & 2209/W
API # 30-025-39026

MARBOB ENERGY

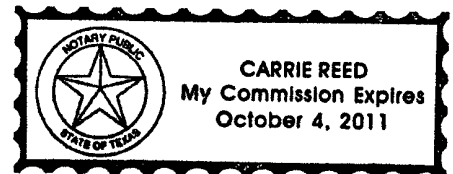
Field: Lusk
Site: Lea County, NM
Well: Falcon Federal #3
Wellpath: VH - Job #32K0808604
Survey: 08/05/08

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

.....*Steve Hartman*.....Company Representative

Notorized this date 21st of August, 2008.

Carrie Reed
Notary Signature
County of Midland
State of Texas





Scientific Drilling International Survey Report

Company: MARBOB ENERGY	Date: 08/20/2008	Time: 18:06:06	Page: 1
Field: Lusk	Co-ordinate(NE) Reference: Site: Lea County, NM, True North		
Site: Lea County, NM	Vertical (TVD) Reference: SITE 0.0		
Well: Falcon Federal #3	Section (VS) Reference: Well (0.00N,0.00E,182.89Azi)		
Wellpath: VH - Job #32K0808604	Survey Calculation Method: Minimum Curvature	Db: Sybase	

Survey: 08/05/08	Start Date: 08/05/2008
Company: Scientific Drilling Internatio	Engineer: Garza w/GeoGyro
Tool: Keeper;Keeper Gyro	Tied-to: From Surface

MD	Incl	Azim	TVD	VS	N/S	E/W	DLS	ClsD	ClsA
ft	deg	deg	ft	ft	ft	ft	deg/100ft	ft	deg
0.00	0.00	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.75	110.14	100.00	0.19	-0.23	0.61	0.75	0.65	110.14
200.00	0.78	105.37	199.99	0.54	-0.63	1.89	0.07	1.99	108.51
300.00	0.79	104.18	299.98	0.82	-0.98	3.21	0.02	3.36	106.98
400.00	0.57	111.24	399.97	1.11	-1.33	4.34	0.24	4.54	107.02
500.00	0.53	107.59	499.97	1.38	-1.65	5.25	0.05	5.50	107.45
600.00	0.57	117.20	599.96	1.70	-2.02	6.13	0.10	6.45	108.21
700.00	0.55	110.62	699.96	2.06	-2.41	7.02	0.07	7.42	108.97
800.00	0.86	107.33	799.95	2.39	-2.81	8.19	0.31	8.65	108.92
900.00	1.21	117.84	899.93	3.02	-3.52	9.84	0.40	10.45	109.70
1000.00	1.26	116.67	999.91	3.91	-4.51	11.75	0.06	12.59	110.99
1100.00	1.41	121.87	1099.88	4.95	-5.65	13.78	0.19	14.89	112.30
1200.00	1.26	119.14	1199.86	6.03	-6.84	15.79	0.16	17.20	113.42
1300.00	1.48	121.06	1299.83	7.13	-8.04	17.85	0.22	19.58	114.24
1400.00	1.53	119.45	1399.79	8.33	-9.36	20.12	0.07	22.19	114.95
1500.00	1.39	122.06	1499.76	9.52	-10.66	22.31	0.15	24.73	115.54
1600.00	1.39	118.48	1599.73	10.64	-11.88	24.41	0.09	27.14	115.96
1700.00	1.36	106.93	1699.70	11.45	-12.81	26.61	0.28	29.53	115.70
1800.00	1.21	101.12	1799.68	11.89	-13.36	28.78	0.20	31.73	114.90
1900.00	1.04	106.88	1899.66	12.26	-13.82	30.68	0.20	33.65	114.25
2000.00	0.87	93.24	1999.64	12.48	-14.13	32.31	0.28	35.26	113.62
2100.00	0.83	100.26	2099.63	12.58	-14.30	33.78	0.11	36.68	112.95
2200.00	0.55	96.46	2199.63	12.70	-14.49	34.97	0.28	37.85	112.50
2300.00	0.84	93.93	2299.62	12.75	-14.59	36.18	0.29	39.01	111.96
2400.00	0.96	80.17	2399.61	12.58	-14.50	37.73	0.25	40.42	111.02
2500.00	1.19	76.59	2499.59	12.10	-14.11	39.57	0.24	42.01	109.63
2600.00	1.16	84.06	2599.57	11.65	-13.77	41.59	0.16	43.81	108.32
2700.00	1.40	62.78	2699.54	10.88	-13.10	43.68	0.53	45.60	106.70
2800.00	1.04	60.63	2799.52	9.79	-12.10	45.56	0.36	47.14	104.87
2900.00	0.99	70.32	2899.50	8.97	-11.36	47.16	0.18	48.51	103.55
3000.00	0.82	62.82	2999.49	8.28	-10.75	48.61	0.21	49.78	102.47
3100.00	0.66	66.71	3099.48	7.67	-10.19	49.78	0.17	50.81	101.57
3200.00	0.73	72.35	3199.48	7.19	-9.77	50.91	0.10	51.84	100.86
3300.00	0.58	72.91	3299.47	6.79	-9.43	52.00	0.15	52.85	100.28
3400.00	0.46	66.26	3399.47	6.44	-9.12	52.85	0.13	53.64	99.79
3500.00	0.31	87.12	3499.46	6.23	-8.94	53.49	0.20	54.23	99.49
3600.00	0.51	88.10	3599.46	6.17	-8.91	54.21	0.20	54.94	99.34
3700.00	0.50	80.36	3699.46	6.04	-8.83	55.08	0.07	55.79	99.10
3800.00	0.36	80.86	3799.45	5.88	-8.70	55.82	0.14	56.50	98.86
3900.00	0.31	76.24	3899.45	5.74	-8.59	56.40	0.06	57.05	98.66
4000.00	0.20	99.68	3999.45	5.68	-8.55	56.83	0.15	57.47	98.56
4100.00	0.21	77.27	4099.45	5.65	-8.54	57.18	0.08	57.82	98.50
4200.00	0.38	67.51	4199.45	5.46	-8.38	57.67	0.18	58.27	98.26
4300.00	0.37	59.72	4299.45	5.14	-8.09	58.25	0.05	58.81	97.90
4400.00	0.30	82.78	4399.45	4.92	-7.89	58.79	0.15	59.32	97.64
4500.00	0.35	67.00	4499.44	4.74	-7.74	59.33	0.10	59.83	97.43
4600.00	0.36	57.65	4599.44	4.42	-7.45	59.88	0.06	60.34	97.09
4700.00	0.19	85.45	4699.44	4.22	-7.27	60.31	0.21	60.75	96.87
4800.00	0.34	64.35	4799.44	4.06	-7.13	60.74	0.18	61.16	96.69



Scientific Drilling International Survey Report

Company: MARBOB ENERGY	Date: 08/20/2008	Time: 18:06:06	Page: 2
Field: Lusk	Co-ordinate(NE) Reference:	Site: Lea County, NM, True North	
Site: Lea County, NM	Vertical (TVD) Reference:	SITE 0.0	
Well: Falcón Federal #3	Section (VS) Reference:	Well (0.00N,0.00E,182.89Azi)	
Wellpath: VH - Job #32K0808604	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
4900.00	0.51	57.27	4899.44	3.66	-6.76	61.38	0.18	61.75	96.28
5000.00	0.54	70.74	4999.43	3.22	-6.36	62.20	0.13	62.53	95.84
5100.00	0.73	48.14	5099.43	2.59	-5.78	63.12	0.31	63.39	95.23
5200.00	0.84	46.71	5199.42	1.62	-4.86	64.13	0.11	64.31	94.33
5300.00	0.88	36.90	5299.41	0.45	-3.74	65.12	0.15	65.23	93.29
5400.00	0.99	30.83	5399.39	-0.95	-2.38	66.03	0.15	66.07	92.07
5500.00	0.79	24.12	5499.38	-2.36	-1.01	66.75	0.23	66.76	90.87
5600.00	0.95	11.35	5599.37	-3.82	0.43	67.20	0.25	67.20	89.63
5700.00	0.86	9.17	5699.36	-5.38	1.98	67.48	0.10	67.51	88.32
5800.00	0.84	6.58	5799.35	-6.86	3.45	67.68	0.04	67.77	87.08
5900.00	0.75	1.18	5899.34	-8.25	4.84	67.78	0.12	67.95	85.92
6000.00	0.55	14.26	5999.33	-9.37	5.96	67.91	0.25	68.17	84.99
6100.00	0.54	13.85	6099.33	-10.30	6.88	68.14	0.01	68.49	84.24
6200.00	0.63	346.65	6199.32	-11.30	7.87	68.13	0.29	68.58	83.41
6300.00	0.63	348.18	6299.31	-12.35	8.94	67.89	0.02	68.48	82.50
6400.00	0.63	357.82	6399.31	-13.43	10.03	67.76	0.11	68.50	81.58
6500.00	0.44	358.81	6499.30	-14.36	10.96	67.73	0.19	68.61	80.80
6600.00	0.61	349.24	6599.30	-15.27	11.87	67.62	0.19	68.65	80.04
6700.00	0.57	352.95	6699.29	-16.27	12.89	67.46	0.06	68.68	79.18
6800.00	0.50	354.65	6799.29	-17.19	13.82	67.36	0.07	68.76	78.41
6900.00	0.45	356.46	6899.29	-18.02	14.64	67.29	0.05	68.87	77.72
7000.00	0.35	11.13	6999.28	-18.71	15.33	67.33	0.14	69.05	77.17
7100.00	0.16	332.26	7099.28	-19.13	15.76	67.32	0.25	69.14	76.83
7200.00	0.11	216.16	7199.28	-19.17	15.80	67.20	0.23	69.03	76.77
7300.00	0.16	45.68	7299.28	-19.19	15.82	67.24	0.27	69.08	76.76
7400.00	0.15	89.45	7399.28	-19.30	15.92	67.47	0.12	69.33	76.72
7500.00	0.20	167.06	7499.28	-19.14	15.75	67.64	0.22	69.45	76.89
7600.00	0.27	241.75	7599.28	-18.85	15.47	67.48	0.29	69.23	77.09
7700.00	0.23	190.72	7699.28	-18.53	15.16	67.23	0.22	68.92	77.29
7800.00	0.45	212.51	7799.28	-17.99	14.63	66.98	0.25	68.56	77.68
7900.00	0.58	223.46	7899.28	-17.27	13.94	66.42	0.16	67.87	78.15
8000.00	0.46	224.15	7999.27	-16.58	13.28	65.80	0.12	67.12	78.59
8100.00	0.33	227.18	8099.27	-16.07	12.80	65.30	0.13	66.55	78.91
8200.00	0.17	208.25	8199.27	-15.73	12.47	65.02	0.18	66.21	79.14
8300.00	0.53	194.03	8299.27	-15.14	11.89	64.84	0.37	65.92	79.61
8400.00	0.59	214.51	8399.26	-14.25	11.02	64.44	0.21	65.37	80.30
8500.00	0.57	217.96	8499.26	-13.41	10.20	63.84	0.04	64.65	80.92
8600.00	0.53	223.64	8599.25	-12.65	9.47	63.21	0.07	63.92	81.48
8700.00	0.50	228.55	8699.25	-11.99	8.85	62.57	0.05	63.19	81.95
8741.00	0.80	219.04	8740.24	-11.64	8.51	62.25	0.78	62.83	82.22



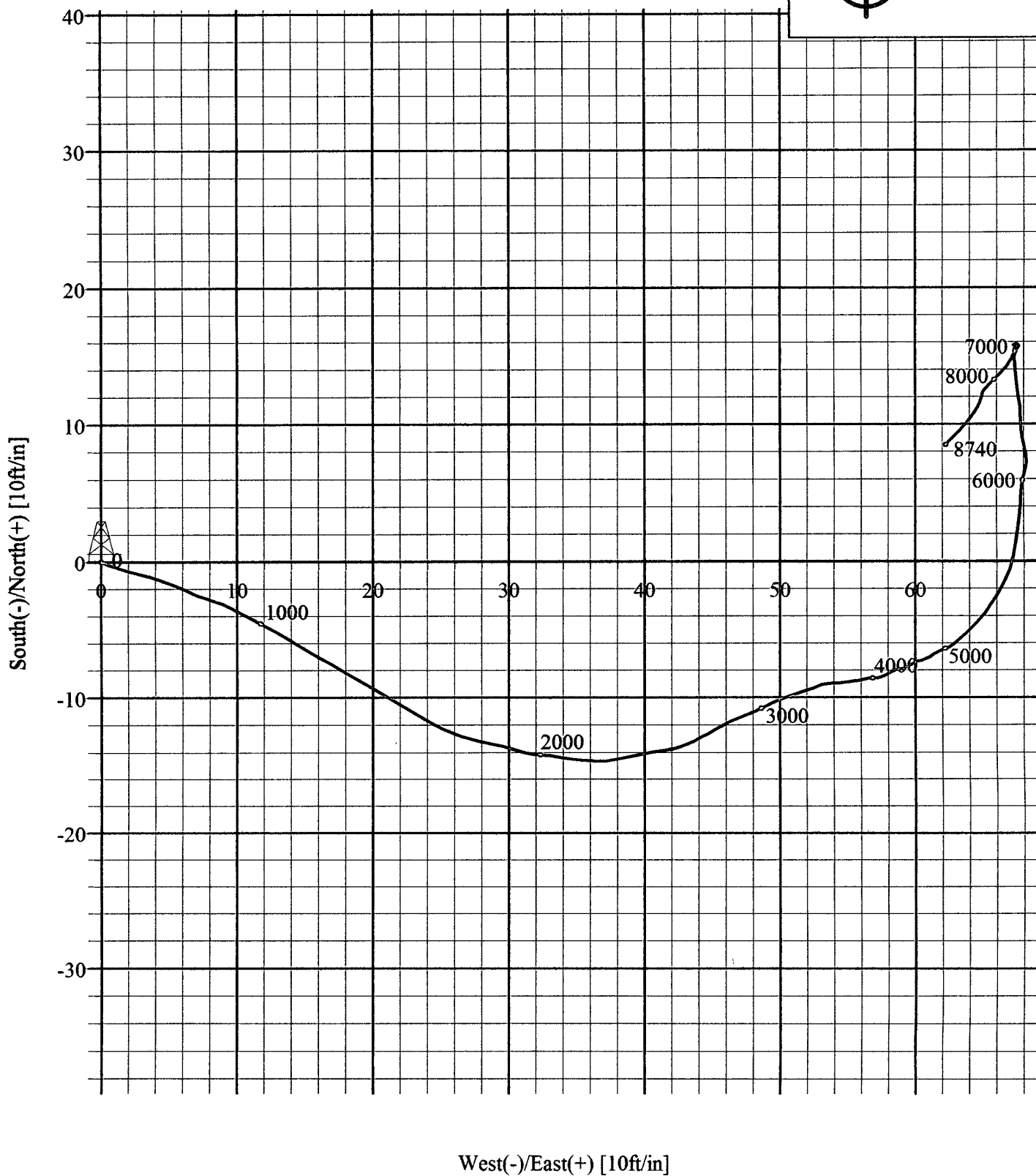
**Scientific
Drilling**

Field: Lusk
Site: Lea County, NM
Well: Falcon Federal #3
Wellpath: VH - Job #32K0808604
Survey: 08/05/08



Azimuths to True North
Magnetic North: 0.00°

Magnetic Field
Strength: 0nT
Dip Angle: 0.00°
Date: 08/20/2008
Model: Wmm_95





SUR: C-9-19s-32e, 330/N & 2310/W
BHL: F-9-19s-32e, 2297/N & 2209/W
API # 30-025-39026

DIRECTIONAL SURVEY REPORT

MARBOB ENERGY

FALCON FEDERAL #3

LEA COUNTY, NEW MEXICO

PREPARED BY: CODY MEBANE

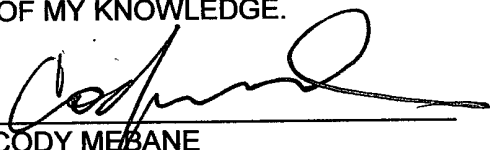
Pathfinder Energy Services, Inc.
6213 W. County Road 112 • Midland, TX • 79706
(432)681-6000

DIRECTIONAL SURVEY COMPANY REPORT:

1. NAME OF SURVEYING COMPANY: PATHFINDER ENERGY SERVICES
2. NAME OF PERSON(S) PERFORMING SURVEY:
A) KRIS HATLY
3. POSITION OF SAID PERSON(S): (A-F) SURVEYORS (FIELD ENGINEERS)
4. DATE(S) ON WHICH SURVEY WAS PERFORMED: 8/6/08 TO 8/14/08
5. STATE IN WHICH SURVEY WAS PERFORMED: NEW MEXICO
6. LOCATION OF WELL: LEA COUNTY, NM
7. TYPE OF SURVEY(S) PERFORMED: MWD
8. COMPLETE IDENTIFICATION OF WELL:

MARBOB ENERGY CORPORATION.
FALCON FEDERAL #3
LEA COUNTY, NM
RIG: PATRIOT #2
9. SURVEY CERTIFIED FROM: 8741 TO 11002 FEET MEASURED DEPTH.

THIS IS TO VERIFY THAT ATTACHED DOCUMENTS SHOWING THE WELL TO BE DISPLACED AT 1969.32 FEET ON A BEARING OF 182.94 DEGREES FROM THE CENTER OF THE ROTARY TABLE AT A PROJECTED BIT DEPTH OF 11065 FEET, ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE.


CODY MEANE
M/LWD SERVICE COORDINATOR

PathFinder Energy Services, Inc.

BHL Report

Page 01/01
Tie-In Date: 08/06/2008
Date Completed: 08/14/2008

MARBOB ENERGY CORPROATION
FALCON FED #3
LEA COUNTY, NEW MEXICO
Rig:PATRIOT RIG #2
PathFinder Office Supervisor: CODY MEBANE
PathFinder Field Engineers:J PATTERSON
C HATLY

Survey Horiz. Reference:WELLHEAD
Ref Coordinates: LAT:32.40.52.2639 N LON:103.46.18.7754 W
GRID Reference:NAD27 new mexico east Transverse Mercator
Ref GRID Coord: X: 672749.1000 Y: 611983.0000
North Aligned To:GRID NORTH
Total Magnetic Correction: 7.74° EAST TO GRID
Vertical Section Plane: 182.89
Survey Vert. Reference: 17.00' Rotary Table To Ground
Altitude:3650.00' Ground To MSL

Measured Depth	11065.00	(feet)
Inclination	88.55	(deg)
Azimuth	177.15	(deg)
True Vertical Depth	9332.77	(feet)
Vertical Section	1969.32	(feet)
Survey X cord	672648.18	(feet)
Survey Y cord	610016.25	(feet)
Survey Lat	32.67577995 N	(deg)
Survey Lon	103.77224382 W	(deg)
Rectangular Corr. N/S	1966.73 S	(feet)
Rectangular Corr. E/W	100.90 W	(feet)
Closure Distance	1969.32	(feet)
Direction of Closure	182.94	(deg)
Dogleg Severity	0.00	(deg/100ft)

PathFinder Energy Services, Inc.

Survey Report

MARBOB ENERGY CORPROATION

FALCON FED #3

LEA COUNTY, NEW MEXICO

Rig:PATRIOT RIG #2

PathFinder Office Supervisor: CODY MEBANE

PathFinder Field Engineers: J PATTERSON
C HATLY

Survey Horiz. Reference:WELLHEAD

Ref Coordinates: LAT:32.40.52.2639 N LON:103.46.18.7754 W

Reference:NAD27 new mexico east Transverse Mercator

Ref GRID Coord: X: 672749.1000 Y: 611983.0000

North Aligned To:GRID NORTH

Total Magnetic Correction: 7.74° EAST TO GRID

Vertical Section Plane: 182.89

Survey Vert. Reference: 17.00' Rotary Table To Ground

Altitude:3650.00' Ground To MSL

Survey Calculations by PathCalc v1.97j 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)
TIE IN SURVEY PROVIDED BY SCIENTIFIC AT 8741' MD										
8741.00	0.80	219.04	8740.24	0.00	-11.64	8.51 N	62.25 E	62.83@	82.22	0.00
THE FOLLOWING ARE PATHFINDER MWD SURVEYS										
8754.00	0.53	218.92	8753.24	13.00	-11.52	8.39 N	62.16 E	62.72@	82.31	2.08
8785.00	1.06	194.17	8784.24	31.00	-11.12	8.00 N	61.99 E	62.51@	82.64	2.00
8817.00	3.87	191.56	8816.20	32.00	-9.76	6.66 N	61.71 E	62.06@	83.84	8.79
8849.00	8.44	193.00	8848.01	32.00	-6.38	3.31 N	60.96 E	61.05@	86.89	14.29
8881.00	13.72	194.65	8879.40	32.00	-0.35	2.65 S	59.47 E	59.53@	92.56	16.53
8912.00	17.94	193.56	8909.22	31.00	7.95	10.86 S	57.42 E	58.44@	100.71	13.65
8944.00	20.58	189.50	8939.43	32.00	18.38	21.20 S	55.34 E	59.26@	110.96	9.25
8976.00	23.48	187.68	8969.09	32.00	30.32	33.06 S	53.56 E	62.94@	121.69	9.31
9008.00	26.03	188.00	8998.15	32.00	43.67	46.34 S	51.73 E	69.45@	131.85	7.98
9040.00	29.19	186.50	9026.50	32.00	58.45	61.05 S	49.87 E	78.82@	140.76	10.11
9071.00	32.71	187.75	9053.08	31.00	74.35	76.86 S	47.88 E	90.56@	148.08	11.54
9103.00	37.64	188.54	9079.23	32.00	92.70	95.10 S	45.26 E	105.32@	154.55	15.47
9135.00	40.98	188.09	9103.99	32.00	112.88	115.16 S	42.33 E	122.69@	159.82	10.48
9167.00	42.12	188.10	9127.93	32.00	134.02	136.17 S	39.34 E	141.74@	163.88	3.56
9198.00	43.53	189.03	9150.67	31.00	154.98	157.01 S	36.20 E	161.13@	167.02	4.98
9230.00	47.40	190.02	9173.11	32.00	177.64	179.50 S	32.42 E	182.40@	169.76	12.29
9262.00	51.62	190.84	9193.88	32.00	201.76	203.43 S	28.01 E	205.35@	172.16	13.33
9294.00	55.22	190.99	9212.95	32.00	227.20	228.66 S	23.15 E	229.82@	174.22	11.26
9326.00	58.56	190.42	9230.43	32.00	253.75	254.99 S	18.17 E	255.64@	175.92	10.54
9357.00	60.76	190.48	9246.08	31.00	280.27	281.30 S	13.32 E	281.61@	177.29	7.10
9389.00	62.78	191.18	9261.22	32.00	308.19	308.99 S	8.02 E	309.09@	178.51	6.60

PathFinder Energy Services, Inc.

Survey Report

MARBOB ENERGY CORPROATION
FALCON FED #3
LEA COUNTY, NEW MEXICO
RIG:PATRIOT RIG #2

Page 02/03

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)
9421.00	66.74	192.14	9274.86	32.00	336.79	337.33 S	2.17 E	337.34@	179.63	12.67
9453.00	71.23	192.74	9286.34	32.00	366.24	366.49 S	4.27 W	366.52@	180.67	14.14
9485.00	73.86	192.30	9295.93	32.00	396.33	396.29 S	10.88 W	396.44@	181.57	8.32
9516.00	77.03	191.24	9303.72	31.00	425.97	425.66 S	17.00 W	426.00@	182.29	10.75
9548.00	81.60	190.94	9309.66	32.00	457.09	456.51 S	23.05 W	457.09@	182.89	14.31
9580.00	86.79	190.73	9312.89	32.00	488.61	487.77 S	29.03 W	488.63@	183.41	16.23
9611.00	90.13	190.48	9313.72	31.00	519.31	518.22 S	34.73 W	519.38@	183.83	10.80
9643.00	90.57	190.30	9313.53	32.00	551.04	549.70 S	40.50 W	551.19@	184.21	1.49
9675.00	89.78	189.71	9313.43	32.00	582.79	581.21 S	46.06 W	583.03@	184.53	3.08
9707.00	89.08	189.31	9313.75	32.00	614.58	612.77 S	51.35 W	614.92@	184.79	2.52
9738.00	88.72	189.63	9314.34	31.00	645.37	643.34 S	56.45 W	645.81@	185.01	1.55
9770.00	88.37	189.67	9315.16	32.00	677.13	674.88 S	61.81 W	677.70@	185.23	1.10
9802.00	88.20	189.36	9316.11	32.00	708.91	706.42 S	67.10 W	709.60@	185.43	1.10
9834.00	88.99	188.96	9316.90	32.00	740.70	738.00 S	72.19 W	741.53@	185.59	2.77
9866.00	89.43	188.13	9317.34	32.00	772.55	769.65 S	76.94 W	773.48@	185.71	2.94
9897.00	89.34	188.21	9317.67	31.00	803.41	800.33 S	81.35 W	804.45@	185.80	0.39
9929.00	89.34	187.27	9318.04	32.00	835.30	832.03 S	85.66 W	836.43@	185.88	2.94
9961.00	89.43	185.85	9318.38	32.00	867.23	863.82 S	89.31 W	868.43@	185.90	4.45
9993.00	89.52	185.24	9318.68	32.00	899.19	895.67 S	92.41 W	900.43@	185.89	1.93
10025.00	89.43	185.03	9318.97	32.00	931.16	927.54 S	95.27 W	932.42@	185.86	0.71
10056.00	89.43	184.28	9319.28	31.00	962.15	958.44 S	97.79 W	963.41@	185.83	2.42
10088.00	89.25	183.61	9319.65	32.00	994.14	990.36 S	99.99 W	995.39@	185.77	2.17
10120.00	89.78	182.82	9319.92	32.00	1026.14	1022.31 S	101.78 W	1027.36@	185.69	2.97
10151.00	89.87	182.33	9320.01	31.00	1057.14	1053.28 S	103.17 W	1058.32@	185.59	1.61
10183.00	89.87	181.97	9320.09	32.00	1089.14	1085.25 S	104.38 W	1090.26@	185.49	1.13
10215.00	89.78	181.76	9320.18	32.00	1121.13	1117.24 S	105.42 W	1122.20@	185.39	0.71
10247.00	89.08	181.79	9320.50	32.00	1153.12	1149.22 S	106.41 W	1154.14@	185.29	2.19

PathFinder Energy Services, Inc.

Survey Report

MARBOB ENERGY CORPROATION
FALCON FED #3
LEA COUNTY, NEW MEXICO
RIG:PATRIOT RIG #2

Page 03/03

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)
10279.00	88.81	181.75	9321.09	32.00	1185.11	1181.20 S	107.40 W	1186.07@	185.20	0.85
10311.00	88.64	181.81	9321.80	32.00	1217.10	1213.17 S	108.39 W	1218.01@	185.11	0.56
10343.00	88.81	181.47	9322.52	32.00	1249.08	1245.15 S	109.31 W	1249.94@	185.02	1.19
10374.00	88.64	181.39	9323.21	31.00	1280.06	1276.14 S	110.08 W	1280.88@	184.93	0.61
10406.00	88.90	181.20	9323.89	32.00	1312.04	1308.12 S	110.80 W	1312.81@	184.84	1.01
10438.00	88.90	181.05	9324.51	32.00	1344.02	1340.11 S	111.43 W	1344.73@	184.75	0.47
10470.00	88.81	180.95	9325.15	32.00	1376.00	1372.10 S	111.99 W	1376.66@	184.67	0.42
10502.00	88.72	180.88	9325.84	32.00	1407.97	1404.09 S	112.50 W	1408.59@	184.58	0.36
10533.00	88.55	180.75	9326.57	31.00	1438.94	1435.07 S	112.94 W	1439.51@	184.50	0.69
10565.00	88.20	180.61	9327.48	32.00	1470.91	1467.06 S	113.32 W	1471.43@	184.42	1.18
10597.00	88.72	180.16	9328.34	32.00	1502.86	1499.05 S	113.53 W	1503.34@	184.33	2.15
10629.00	89.16	180.02	9328.93	32.00	1534.82	1531.04 S	113.59 W	1535.25@	184.24	1.44
10660.00	90.13	179.58	9329.13	31.00	1565.77	1562.04 S	113.48 W	1566.16@	184.16	3.44
10692.00	90.48	179.66	9328.96	32.00	1597.72	1594.04 S	113.26 W	1598.06@	184.06	1.12
10724.00	90.92	179.34	9328.56	32.00	1629.66	1626.04 S	112.99 W	1629.96@	183.97	1.70
10756.00	90.92	179.13	9328.05	32.00	1661.59	1658.03 S	112.56 W	1661.84@	183.88	0.66
10819.00	89.96	178.08	9327.57	63.00	1724.41	1721.01 S	111.02 W	1724.58@	183.69	2.26
10851.00	89.16	178.12	9327.81	32.00	1756.30	1752.99 S	109.96 W	1756.43@	183.59	2.50
10883.00	88.81	177.89	9328.38	32.00	1788.18	1784.96 S	108.85 W	1788.28@	183.49	1.31
10915.00	88.81	177.70	9329.04	32.00	1820.05	1816.93 S	107.62 W	1820.12@	183.39	0.59
10946.00	88.55	177.77	9329.76	31.00	1850.91	1847.90 S	106.39 W	1850.96@	183.30	0.87
10978.00	88.55	177.65	9330.57	32.00	1882.77	1879.86 S	105.12 W	1882.80@	183.20	0.37
11002.00	88.55	177.15	9331.18	24.00	1906.65	1903.83 S	104.03 W	1906.67@	183.13	2.08
STRAIGHT LINE PROJECTION TO BIT AT 11065' MD										
11065.00	88.55	177.15	9332.77	63.00	1969.32	1966.73 S	100.90 W	1969.32@	182.94	0.00

SCIENTIFIC DRILLING CONTROL

REEFER WIND SURVEY

Drill Hole: Survey Report

for

Marbob Energy

Well Number	:	WALCON 101-13
Well Location	:	LEA COUNTY, NEW MEXICO
Job Number	:	5100308004
Location Latitude	:	32.681
Survey Date	:	5-AUG-2005
S.D.C. Personnel	:	LEO GARZA
Length Units	:	Feet
North Reference	:	GRID North
Grid Correction	:	0.00 Gamma
Survey Depth Zero	:	DKL
Proposed Direction	:	132.9°
Calculation Method	:	Parallax Conversion

Remarks: 1. For S.D.C. Survey and Drilling Definition

SECTION	CONTENTS	DESCRIPTION
---------	----------	-------------

Table A-1
Data

Page 1

Well No.: FALCON FED 40

Date: 3-2016-2018

Job No.: 5250303504

GRB

Frequency: 107.87

Depth (Feet)	SLD (Feet)	MSL (Feet)	Int Sea	Altitude (Feet)	Latitude (Feet)	Longitude (Feet)	Depth
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	100.00	0.19	0.18	110.19	-10.75	0.01	0.75
200.00	199.79	0.58	0.78	109.13	-10.53	1.63	0.07
300.00	299.48	0.62	0.55	108.13	-10.98	3.21	0.07
400.00	399.17	1.11	0.57	111.24	-1.77	4.14	0.23
500.00	499.97	1.58	0.53	109.49	-1.65	5.75	0.05
600.00	599.76	1.71	0.57	111.25	-1.97	6.13	0.10
700.00	699.96	2.02	0.55	110.82	-1.41	7.02	0.07
800.00	799.43	2.37	0.86	107.13	-1.01	9.17	0.31
900.00	899.93	3.12	1.21	117.89	-10.51	7.84	0.43
1000.00	999.91	3.51	1.76	118.67	-11.51	11.73	0.06
1100.00	1099.86	4.95	1.41	111.87	-11.65	13.78	0.19
1200.00	1199.75	5.07	1.16	119.14	-11.94	15.19	0.16
1300.00	1299.86	7.10	1.48	121.06	-8.04	17.65	0.22
1400.00	1399.79	8.34	1.53	119.46	-9.52	20.12	0.07
1500.00	1499.76	9.52	1.59	122.06	-10.16	22.31	0.25
1600.00	1599.13	10.61	1.39	118.48	-11.35	24.11	0.07
1700.00	1699.73	11.47	1.36	106.93	-12.01	26.61	0.08
1800.00	1799.67	11.36	1.81	121.17	-13.35	29.28	0.20
1900.00	1899.65	12.26	1.04	105.66	-13.82	30.28	0.20
2000.00	1999.63	13.48	0.87	93.04	-14.15	31.31	0.15
2100.00	2099.63	12.78	0.53	100.86	-14.30	33.79	0.11
2200.00	2199.12	12.75	0.56	76.46	-14.48	31.97	0.29
2300.00	2299.62	12.77	0.84	90.93	-14.59	36.18	0.29
2400.00	2399.57	13.04	0.97	80.17	-14.70	31.73	0.25
2500.00	2499.59	12.10	1.19	76.50	-14.11	39.67	0.04
2600.00	2599.57	11.67	1.14	97.55	-13.77	41.57	0.16
2700.00	2699.64	10.69	1.40	12.76	-13.15	43.16	0.33
2800.00	2799.70	9.19	1.04	61.69	-12.19	47.95	0.02
2900.00	2899.65	8.57	0.89	70.57	-11.20	47.16	0.16
3000.00	2999.47	8.28	0.61	61.91	-10.15	49.61	0.11
3100.00	3099.76	7.57	0.69	55.71	-10.19	49.78	0.17
3200.00	3199.77	7.27	0.73	71.37	-10.77	50.11	0.10
3300.00	3299.47	6.75	0.76	71.91	-10.45	51.70	0.15
3400.00	3399.46	7.17	0.77	60.59	-9.17	51.03	0.11
3500.00	3499.46	6.14	0.74	67.11	-9.54	53.67	0.06
3600.00	3599.45	6.17	0.31	64.17	-9.97	51.21	0.07
3700.00	3699.45	6.64	0.10	69.70	-9.67	50.08	0.07
3800.00	3799.43	5.81	0.00	80.76	-9.00	57.01	0.14
3900.00	3899.48	5.74	0.51	71.71	-8.36	56.47	0.11

S U R V E Y I F F I C O F I L L I N S L O N T R O L S

Station Survey

Page 1

Well No.: FSLCH F11 43

Date: 2 AUG 2008

Job No.: 0260005631

Depth

Corecut: 181.92

Depth	Time	Vel	Inc	Strain	Latitude	Departure	Depth
(Feet)	(Hour)	(ft/sec)	(deg)	(%)	(NAD 83)	(Feet)	(Feet)

4000.00	3329.47	3.38	0.23	81.63	-8.54	68.13	0.15
4100.00	4079.45	3.25	0.21	77.27	-8.54	82.10	0.31
4200.00	4179.44	3.45	0.19	67.51	-8.52	57.10	0.16
4300.00	4279.44	3.10	0.37	76.75	-8.09	58.15	0.05
4400.00	4379.44	3.97	0.17	65.74	-7.47	56.15	0.15
4500.00	4479.44	4.74	0.35	67.00	-7.74	59.13	0.10
4600.00	4579.41	3.40	0.36	67.60	-7.45	59.88	0.06
4700.00	4679.44	4.92	0.12	35.43	-7.97	60.71	0.21
4800.00	4779.44	4.05	0.39	64.13	-7.13	60.74	0.19
4900.00	4879.43	3.66	0.51	57.27	-6.75	61.38	0.15
5000.00	4979.43	3.22	0.54	70.74	-6.75	60.00	0.13
5100.00	5079.42	3.59	0.73	48.14	-6.76	63.12	0.31
5200.00	5179.41	1.63	0.64	15.71	-6.03	49.13	0.11
5300.00	5279.40	0.43	0.66	36.90	-5.74	35.12	0.15
5400.00	5379.39	-0.75	0.77	21.33	-5.30	66.03	0.15
5500.00	5479.38	-2.35	0.79	24.12	-4.91	66.78	0.23
5600.00	5579.36	-1.61	0.93	11.33	-4.63	62.10	0.27
5700.00	5679.35	-3.68	0.86	9.17	-4.90	67.48	0.10
5800.00	5779.33	-5.30	0.94	8.55	-4.45	67.84	0.05
5900.00	5879.31	-6.25	0.75	1.16	-4.64	67.78	0.12
6000.00	5979.30	-7.37	0.53	19.66	-3.76	67.91	0.23
6100.00	6079.30	-10.30	0.04	13.65	-2.60	68.14	0.01
6200.00	6179.31	11.09	0.67	15.63	-2.37	69.13	0.19
6300.00	6279.31	-12.36	0.63	148.18	-1.94	67.89	0.02
6400.00	6379.30	13.93	0.33	391.39	-0.03	67.70	0.11
6500.00	6479.30	-14.57	0.44	376.81	10.90	67.73	0.19
6600.00	6579.29	15.27	0.01	47.64	11.81	67.67	0.12
6700.00	6679.29	-16.17	0.57	152.95	12.69	67.46	0.06
6800.00	6779.29	-17.17	0.33	364.65	15.11	67.50	0.27
6900.00	6879.28	-17.92	0.37	350.90	15.74	67.49	0.05
7000.00	6979.28	-19.11	0.35	41.13	16.73	67.37	0.14
7100.00	7079.28	-19.13	0.14	332.36	17.76	67.31	0.25
7200.00	7179.27	-13.11	0.11	116.18	17.40	67.29	0.03
7300.00	7279.26	-19.17	0.16	43.68	17.67	67.29	0.27
7400.00	7379.26	-17.34	0.13	57.45	17.71	67.37	0.12
7500.00	7479.27	17.14	0.20	177.16	18.75	67.24	0.12
7600.00	7579.27	18.08	0.17	111.25	17.47	67.20	0.12
7700.00	7679.26	16.10	0.20	59.72	18.16	67.11	0.12
7800.00	7779.27	17.17	0.14	131.31	17.17	67.13	0.25
7900.00	7879.27	17.17	0.02	123.16	18.17	67.42	0.12

Oldham Survey
7.

Page 3

Hell No. 5 FILLING UP

Date : 5 AUG-31-56

Oil No. : 20400004

DATE

Flow rate : 187.39

Depth : 1000.00 Well : Inc : Pressure : Latitude : Longitude : Elevation :
 (Feet) (Feet) (Feet) (Inch) (psi) (Feet) (Feet) (Feet)

8000.00	8192.26	-18.51	0.45	204.13	10.20	64.80	0.17
8100.00	8097.26	-18.51	0.45	217.18	12.60	65.31	0.17
8200.00	8197.23	-18.51	0.45	202.13	12.47	65.07	0.17
8300.00	8257.13	-18.51	0.45	190.00	11.89	64.84	0.17
8400.00	8177.23	-18.51	0.45	211.50	11.20	64.41	0.17
8500.00	8454.13	-18.51	0.45	217.96	10.20	60.04	0.17
8600.00	8399.24	-18.51	0.45	203.14	9.47	63.21	0.17
8700.00	8619.23	-18.51	0.45	216.55	8.85	62.57	0.17
8741.00	8741.24	-18.51	0.80	217.04	8.51	62.23	0.17

The Horizontal Displacement (in feet) at
 Measured Depth 8741.00 is 2.85 in a Direction of 92.12 Degrees