

MAY 26 2009

RM

Submit To Appropriate District Office Two Copies District I 1625 N French Dr., Hobbs, NM 88240 District II 1301 W Grand Avenue, Artesia, NM 88210 District III 1000 Rio Brazos Rd., Aztec, NM 87410 District IV 1220 S St Francis Dr., Santa Fe, NM 87505		State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505			Form C-105 July 17, 2008					
		1. WELL API NO.			30-015-36640					
		2. Type of Lease			☒ STATE ☐ FEE ☐ FED/INDIAN					
		3. State Oil & Gas Lease No								
WELL COMPLETION OR RECOMPLETION REPORT AND LOG										
4. Reason for filing					5. Lease Name or Unit Agreement Name					
☒ COMPLETION REPORT (Fill in boxes #1 through #31 for State and Fee wells only) ☐ C-144 CLOSURE ATTACHMENT (Fill in boxes #1 through #9, #15 Date Rig Released and #32 and/or #33, attach this and the plat to the C-144 closure report in accordance with 19.15 17.13.K NMAC)					Rear View State Com 6. Well Number 1					
7. Type of Completion:										
☒ NEW WELL ☐ WORKOVER ☐ DEEPENING ☐ PLUGBACK ☐ DIFFERENT RESERVOIR ☐ OTHER										
8. Name of Operator					9. OGRID					
Marbob Energy Corporation					14049					
10. Address of Operator					11. Pool name or Wildcat					
P.O Box 227					Dos Hermanos; Morrow, NE (Gas)					
Artesia, NM 88211-0227										
12. Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County
Surface:	G	2	20S	30E		2310	North	1980	East	Eddy
BH:	G	2	20S	30E		1543	North	1735	East	Eddy
13. Date Spudded	14. Date T D Reached	15. Date Rig Released		16. Date Completed (Ready to Produce)		17. Elevations (DF and RKB. RT, GR, etc)				
1/29/09	3/9/09	3/12/09		4/1/09		3235' GR				
18. Total Measured Depth of Well		19. Plug Back Measured Depth		20. Was Directional Survey Made?		21. Type Electric and Other Logs Run				
12480'		12417'		Yes		DSN, DLL				
22. Producing Interval(s), of this completion - Top, Bottom, Name										
12027-12186' Morrow										
23. CASING RECORD (Report all strings set in well)										
CASING SIZE		WEIGHT LB /FT		DEPTH SET		HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED
20"		94#		298'		26"		750 sx		0
13 3/8"		54#		1828'		17 1/2"		1450 sx		0
9 5/8"		36#		3626'		12 1/4"		2137 sx		0
5 1/2"		17#		12479'		7 7/8"		1400 sx (TOC@1900' TS)		0
24. LINER RECORD										
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN		25. TUBING RECORD				
						SIZE		DEPTH SET	PACKER SET	
						2 3/8"		11900'	11884'	
26. Perforation record (interval, size, and number)						27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC				
12028', 36', 47', 54', 66', 87', 90', 93', 97, 12100', 34', 37', 77', 81', 84' (15) 12027-32' (27), 12043-55' (39), 12062-66' (15), 12087-12101' (45), 12134-38' (15) & 12176-86' (30) for ttl of 171 shots						DEPTH INTERVAL		AMOUNT AND KIND MATERIAL USED		
						12028-12184'		Acidz w/2000 gal 7 1/2% NEFE		
						12027-12186'		Frac w/120032# 18/40 VersaProp & 48509 gal fluid		
28. PRODUCTION										
Date First Production		Production Method (Flowing, gas lift, pumping - Size and type pump)				Well Status (Prod. or Shut-in)				
4/30/09		Flowing				Producing				
Date of Test	Hours Tested	Choke Size	Prod'n For Test Period	Oil - Bbl	Gas - MCF	Water - Bbl	Gas - Oil Ratio			
5/2/09	24	18/64"		22	1245	22				
Flow Tubing Press	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl	Gas - MCF	Water - Bbl	Oil Gravity - API - (Corr)				
2850#										
29. Disposition of Gas (Sold, used for fuel, vented, etc)						30. Test Witnessed By				
Sold						Mike Shannon				
31. List Attachments										
Logs, Directional Survey & Deviation Report										
32. If a temporary pit was used at the well, attach a plat with the location of the temporary pit										
33. If an on-site burial was used at the well, report the exact location of the on-site burial:										
Latitude Longitude NAD 1927 1983										
I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief										
Signature: <u>Stormi Davis</u>			Printed Name: <u>Stormi Davis</u>		Title: <u>Production Assistant</u>		Date: <u>5/19/09</u>			
E-mail Address: sdavis@marbob.com										

MR

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well and not later than 60 days after completion of closure. When submitted as a completion report, this shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 11, 12 and 26-31 shall be reported for each zone.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico		Northwestern New Mexico	
T. Anhy	T. Canyon	T. Ojo Alamo	T. Penn A"
T. Salt 600'	T. Strawn 10790'	T. Kirtland	T. Penn. "B"
B. Salt 1664'	T. Atoka 11124'	T. Fruitland	T. Penn. "C"
T. Yates 1851'	T. Miss	T. Pictured Cliffs	T. Penn. "D"
T. 7 Rivers 2032'	T. Devonian	T. Cliff House	T. Leadville
T. Queen	T. Silurian	T. Menefee	T. Madison
T. Grayburg	T. Montoya	T. Point Lookout	T. Elbert
T. San Andres	T. Simpson	T. Mancos	T. McCracken
T. Glorieta	T. McKee	T. Gallup	T. Ignacio Otzte
T. Paddock	T. Ellenburger	Base Greenhorn	T. Granite
T. Blinébry	T. Gr. Wash	T. Dakota	
T. Tubb	T. Delaware Sand 3639'	T. Morrison	
T. Drinkard	T. Bone Spring 6448'	T. Todilto	
T. Abo	T. Rustler 374'	T. Entrada	
T. Wolfcamp 9874'	T. Capitan 2262'	T. Wingate	
T. Penn	T. Brushy Canyon 5373'	T. Chinle	
T. Cisco-Canyon	T. Morrow 11778'	T. Permian	

OIL OR GAS SANDS OR ZONES

No. 1, from.....to.....

No. 3, from.....to.....

No. 2, from.....to.....

No. 4, from.....to.....

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from.....to.....feet.....

No. 2, from.....to.....feet.....

No. 3, from.....to.....feet.....

LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness In Feet	Lithology

OPERATOR: Marbob Energy Corp.
WELL/LEASE: Rear View St.Com # 1
COUNTY: Eddy Co., New Mexico
Sec. 2, T20S, R30E

STATE OF NEW MEXICO DEVIATION REPORT

<u>Depth</u>	<u>Deviation</u>	<u>Depth</u>	<u>Deviation</u>
170	1	2,458	1 1/4
300	1 3/4	2,776	1 3/4
382	2	3,063	2 1/4
532	1 3/4	3,281	1 3/4
650	1 1/2	3,536	2 1/4
934	2	3,705	2 1/2
1,029	30	3,769	2 1/4
1,156	2 3/4	3,859	2 1/4
1,092	2 3/4	3,992	2 1/2
1,219	2 1/2	4,151	2 1/4
1,279	2	4,310	2
1,372	1 1/2	4,473	1 1/2
1,474	1	4,727	1 3/4
1,632	1	5,008	1 1/2
1,797	1/2	5,457	1
1,932	1 1/4	5,957	1/4
1,996	1 3/4	6,470	3/4
2,091	1	6,970	1/2
2,215	1 1/4	7,470	1 3/4
2,331	0	7,914	1
		8,390	1 1/4
		8,861	1 1/4

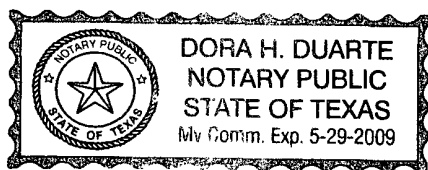
Patriot Drilling, LLC



M. Leroy Peterson, Executive Vice-
President

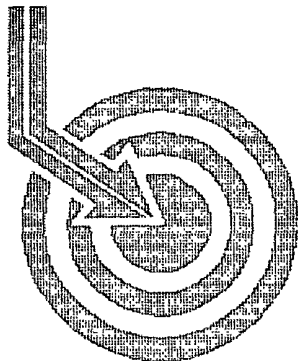
The foregoing instrument was acknowledged before me on this 7th day of April, 2009 by M. Leroy Peterson, Executive Vice-President of Patriot Drilling, LLC.

My Commission Expires: 5/29/2009



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

MR



Scientific Drilling

MARBOB ENERGY

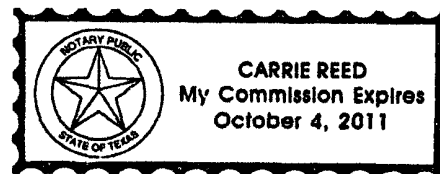
Field: Dos Hermanos
Site: Eddy County, NM
Well: Rear View State Com #1
Wellpath: VH - Job #32K0209068
Survey: 02/24/09

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

.....Luha.....Company Representative

Notorized this date 23rd of March, 2009.

Carrie Reed
Notary Signature
County of Midland
State of Texas





Scientific Drilling International Survey Report

Company: MARBOB ENERGY	Date: 03/23/2009	Time: 12:44:57	Page: 1
Field: Dos Hermanos	Co-ordinate(NE) Reference:	Site: Eddy County, NM, Grid North	
Site: Eddy County, NM	Vertical (TVD) Reference:	SITE 0.0	
Well: Rear View State Com #1	Section (VS) Reference:	Well (0.00N,0.00E,16.86Azi)	
Wellpath: VH - Job #32K0209068	Survey Calculation Method:	Minimum Curvature	Db: Sybase

Survey: 02/24/09	Start Date: 02/24/2009
Company: Scientific Drilling Internatio	Engineer: Guebara/Williams/Rowe
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	359.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.99	160.23	100.00	-0.69	-0.81	0.29	0.99	0.86	160.23
200.00	1.99	164.75	199.96	-2.86	-3.30	1.04	1.01	3.46	162.50
300.00	2.03	165.18	299.90	-5.84	-6.69	1.95	0.04	6.97	163.74
400.00	1.97	167.72	399.84	-8.84	-10.08	2.77	0.11	10.45	164.64
500.00	1.76	169.48	499.78	-11.71	-13.27	3.42	0.22	13.70	165.57
600.00	1.21	170.20	599.75	-14.02	-15.82	3.88	0.55	16.29	166.23
700.00	0.99	152.16	699.73	-15.57	-17.62	4.46	0.41	18.18	165.80
800.00	1.07	111.88	799.72	-16.27	-18.74	5.73	0.71	19.59	163.00
900.00	1.82	92.42	899.69	-15.95	-19.15	8.18	0.89	20.83	156.87
1000.00	2.36	87.17	999.62	-14.87	-19.12	11.82	0.57	22.48	148.26
1100.00	2.42	85.71	1099.53	-13.41	-18.86	15.99	0.09	24.72	139.71
1200.00	2.11	89.42	1199.45	-12.10	-18.68	19.93	0.34	27.32	133.14
1300.00	1.41	83.80	1299.41	-11.06	-18.53	23.00	0.72	29.53	128.86
1400.00	0.93	70.33	1399.38	-10.10	-18.12	24.98	0.55	30.86	125.96
1500.00	0.82	54.93	1499.37	-9.05	-17.44	26.33	0.26	31.58	123.51
1600.00	0.79	50.74	1599.36	-7.92	-16.59	27.45	0.07	32.08	121.15
1700.00	0.32	81.92	1699.36	-7.23	-16.12	28.26	0.54	32.53	119.69
1800.00	0.62	184.26	1799.36	-7.64	-16.62	28.50	0.76	32.99	120.24
1900.00	0.86	189.66	1899.35	-8.91	-17.90	28.33	0.25	33.51	122.28
2000.00	0.99	190.45	1999.33	-10.51	-19.48	28.05	0.13	34.15	124.78
2100.00	0.99	192.21	2099.32	-12.23	-21.18	27.71	0.03	34.88	127.39
2200.00	1.00	203.06	2199.31	-13.96	-22.83	27.19	0.19	35.50	130.02
2300.00	0.78	206.08	2299.29	-15.50	-24.24	26.55	0.22	35.95	132.40
2400.00	0.77	261.38	2399.29	-16.46	-24.95	25.58	0.72	35.74	134.29
2500.00	1.25	254.34	2499.27	-17.34	-25.35	23.87	0.49	34.82	136.72
2600.00	1.89	243.54	2599.23	-19.05	-26.38	21.34	0.70	33.93	141.02
2700.00	1.93	242.34	2699.18	-21.37	-27.89	18.37	0.06	33.40	146.63
2800.00	2.31	243.38	2799.11	-23.93	-29.58	15.08	0.38	33.20	152.99
2900.00	2.27	244.76	2899.03	-26.65	-31.33	11.49	0.07	33.36	159.86
3000.00	2.41	243.20	2998.94	-29.43	-33.12	7.82	0.15	34.03	166.72
3100.00	1.96	242.95	3098.87	-32.06	-34.84	4.42	0.45	35.12	172.77
3200.00	2.04	259.20	3198.81	-34.08	-35.95	1.15	0.57	35.97	178.17
3300.00	2.43	252.93	3298.73	-36.09	-36.91	-2.63	0.46	37.00	184.07
3400.00	2.78	253.18	3398.63	-38.61	-38.23	-6.97	0.35	38.87	190.34
3500.00	2.85	258.48	3498.51	-41.14	-39.43	-11.73	0.27	41.14	196.57
3600.00	2.72	261.49	3598.39	-43.34	-40.28	-16.51	0.20	43.53	202.29
3700.00	2.56	262.29	3698.29	-45.28	-40.93	-21.07	0.16	46.04	207.24
3800.00	2.49	263.55	3798.19	-47.07	-41.47	-25.45	0.09	48.66	211.53
3900.00	2.26	266.51	3898.10	-48.62	-41.84	-29.57	0.26	51.23	215.25
4000.00	2.17	265.06	3998.03	-50.01	-42.12	-33.43	0.11	53.77	218.43
4100.00	2.24	264.84	4097.95	-51.44	-42.46	-37.26	0.07	56.49	221.27
4200.00	2.20	266.65	4197.88	-52.84	-42.75	-41.12	0.08	59.32	223.89
4300.00	2.18	265.82	4297.81	-54.18	-43.00	-44.93	0.04	62.19	226.26
4400.00	2.16	265.73	4397.74	-55.55	-43.28	-48.71	0.02	65.16	228.38
4500.00	2.06	266.34	4497.67	-56.85	-43.53	-52.38	0.10	68.11	230.27
4600.00	2.04	267.34	4597.60	-58.08	-43.73	-55.96	0.04	71.02	231.99
4700.00	1.94	268.45	4697.54	-59.21	-43.86	-59.43	0.11	73.86	233.57
4800.00	1.76	271.72	4797.49	-60.14	-43.86	-62.65	0.21	76.48	235.01



Scientific Drilling International Survey Report

Company: MARBOB ENERGY	Date: 03/23/2009	Time: 12:44:57	Page: 2
Field: Dos Hermanos	Co-ordinate(NE) Reference:	Site: Eddy County, NM, Grid North	
Site: Eddy County, NM	Vertical (TVD) Reference:	SITE 0.0	
Well: Rear View State Com #1	Section (VS) Reference:	Well (0.00N,0.00E,16.86Azi)	
Wellpath: VH- Job #32K0209068	Survey Calculation Method:	Minimum Curvature	Db: Sybase

Survey

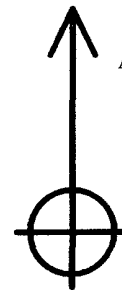
MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ClsD ft	ClsA deg
4900.00	1.67	270.55	4897.45	-60.95	-43.80	-65.64	0.10	78.91	236.29
5000.00	1.66	272.73	4997.40	-61.72	-43.72	-68.55	0.06	81.30	237.47
5100.00	1.57	271.13	5097.36	-62.44	-43.62	-71.36	0.10	83.64	238.57
5200.00	1.41	277.49	5197.33	-63.01	-43.43	-73.95	0.23	85.76	239.58
5300.00	1.24	278.72	5297.30	-63.37	-43.11	-76.24	0.17	87.59	240.52
5400.00	1.11	285.97	5397.28	-63.54	-42.68	-78.24	0.20	89.13	241.39
5500.00	1.14	278.82	5497.26	-63.69	-42.26	-80.16	0.14	90.62	242.20
5600.00	1.05	281.58	5597.24	-63.91	-41.92	-82.04	0.10	92.13	242.93
5700.00	1.07	291.57	5697.23	-63.92	-41.39	-83.81	0.19	93.47	243.71
5800.00	0.96	285.45	5797.21	-63.87	-40.83	-85.48	0.15	94.73	244.47
5900.00	1.03	291.52	5897.20	-63.81	-40.28	-87.12	0.13	95.98	245.19
6000.00	0.87	295.97	5997.18	-63.62	-39.61	-88.64	0.18	97.09	245.92
6100.00	0.94	299.25	6097.17	-63.32	-38.88	-90.04	0.09	98.08	246.65
6200.00	0.89	298.80	6197.16	-62.99	-38.10	-91.44	0.05	99.06	247.38
6300.00	0.94	298.29	6297.15	-62.66	-37.34	-92.84	0.05	100.07	248.09
6400.00	0.83	290.73	6397.13	-62.45	-36.70	-94.24	0.16	101.13	248.72
6500.00	0.94	286.93	6497.12	-62.40	-36.20	-95.70	0.12	102.32	249.28
6600.00	0.91	286.23	6597.11	-62.41	-35.74	-97.25	0.03	103.61	249.82
6700.00	0.91	281.56	6697.10	-62.49	-35.36	-98.79	0.07	104.93	250.31
6800.00	1.00	272.52	6797.08	-62.78	-35.16	-100.44	0.18	106.42	250.71
6900.00	0.85	269.80	6897.07	-63.22	-35.13	-102.05	0.16	107.93	251.01
7000.00	0.33	58.26	6997.07	-63.22	-34.98	-102.55	1.14	108.35	251.17
7100.00	0.80	59.08	7097.06	-62.48	-34.47	-101.71	0.47	107.39	251.28
7200.00	1.07	56.58	7197.05	-61.25	-33.59	-100.33	0.27	105.80	251.49
7300.00	1.12	55.88	7297.03	-59.77	-32.53	-98.74	0.05	103.96	251.76
7400.00	1.49	58.11	7397.00	-58.03	-31.30	-96.83	0.37	101.76	252.09
7500.00	1.66	61.09	7496.97	-56.02	-29.91	-94.45	0.19	99.08	252.43
7600.00	1.71	59.90	7596.92	-53.89	-28.46	-91.90	0.06	96.20	252.79
7700.00	1.66	60.43	7696.88	-51.75	-27.00	-89.35	0.05	93.34	253.19
7800.00	1.56	60.42	7796.84	-49.72	-25.61	-86.90	0.10	90.60	253.58
7900.00	1.52	49.64	7896.80	-47.61	-24.08	-84.71	0.29	88.06	254.13
8000.00	1.51	51.23	7996.77	-45.41	-22.40	-82.67	0.04	85.65	254.84
8100.00	1.43	45.01	8096.74	-43.22	-20.69	-80.76	0.18	83.37	255.63
8200.00	1.20	43.39	8196.71	-41.19	-19.05	-79.16	0.23	81.42	256.47
8300.00	0.88	26.32	8296.69	-39.49	-17.60	-78.10	0.44	80.06	257.30
8400.00	0.78	20.47	8396.68	-38.06	-16.27	-77.52	0.13	79.21	258.15
8500.00	0.51	21.06	8496.68	-36.93	-15.22	-77.12	0.27	78.61	258.84
8600.00	0.50	6.41	8596.67	-36.06	-14.37	-76.91	0.13	78.24	259.42
8700.00	0.72	2.97	8696.67	-35.02	-13.31	-76.83	0.22	77.98	260.17
8800.00	0.56	18.12	8796.66	-33.92	-12.22	-76.65	0.23	77.61	260.94
8900.00	0.21	40.59	8896.66	-33.27	-11.61	-76.38	0.37	77.25	261.35
9000.00	0.66	176.05	8996.66	-33.64	-12.05	-76.22	0.82	77.16	261.02
9025.00	0.82	183.25	9021.65	-33.94	-12.37	-76.22	0.74	77.21	260.78



**Scientific
Drilling**

Field: Dos Hermanos
Site: Eddy County, NM
Well: Rear View State Com #1
Wellpath: VH - Job #32K0209068
Survey: 02/24/09

G/T/M

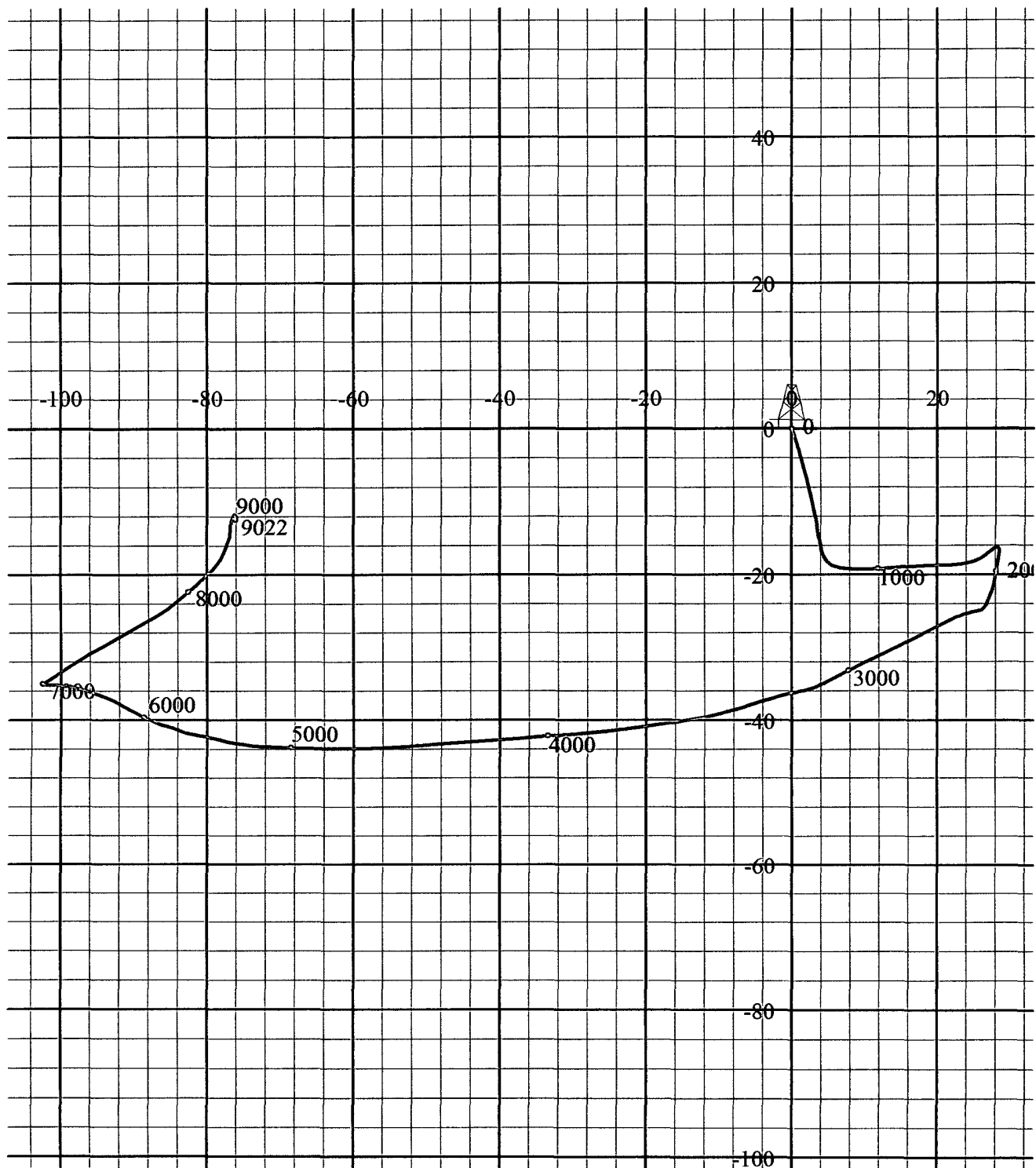


Azimuths to Grid North
True North: 0.00°
Magnetic North: 0.00°

Magnetic Field
Strength: 0nT
Dip Angle: 0.00°
Date: 03/23/2009
Model: igrf2000

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

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





DIRECTIONAL SURVEY REPORT

MARBOB ENERGY CORPORATION

REAR VIEW STATE COM #1

EDDY COUNTY, NEW MEXICO

PREPARED BY: FRANCISCO SINISTERRA

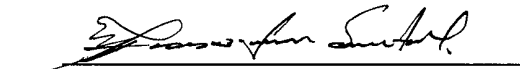
Pathfinder Energy Services, Inc.
6213 W. County Road 112 • Midland, TX • 79706
(432)681-6000

DIRECTIONAL SURVEY COMPANY REPORT:

1. NAME OF SURVEYING COMPANY: PATHFINDER ENERGY SERVICES
2. NAME OF PERSON(S) PERFORMING SURVEY:
A) MATT SHIPP
3. POSITION OF SAID PERSON(S): (A-F) SURVEYORS (FIELD ENGINEERS)
4. DATE(S) ON WHICH SURVEY WAS PERFORMED: 02/25/09 TO 03/09/09
5. STATE IN WHICH SURVEY WAS PERFORMED: NEW MEXICO
6. LOCATION OF WELL: EDDY COUNTY
7. TYPE OF SURVEY(S) PERFORMED: MWD
8. COMPLETE IDENTIFICATION OF WELL:

MARBOB ENERGY CORPORATION
REAR VIEW STATE COM #1
EDDY COUNTY, NM
RIG: PATRIOT #2
9. SURVEY CERTIFIED FROM: 9,070 TO 12,431 FEET MEASURED DEPTH.

THIS IS TO VERIFY THAT ATTACHED DOCUMENTS SHOWING THE WELL TO BE DISPLACED AT 804.85 FEET ON A BEARING OF 17.72 DEGREES FROM THE CENTER OF THE ROTARY TABLE AT A PROJECTED BIT DEPTH OF 12,480 FEET, ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE.


FRANCISCO SINISTERRA
M/LWD SERVICE COORDINATOR

PathFinder Energy Services, Inc.

BHL Report

Page 01/01
Tie-in Date: 02/24/2009
Date Completed: 03/09/2009

MARBOB ENERGY CORPORATION
REAR VIEW STATE COM #1
Eddy COUNTY, New Mexico
Rig:Patriot #2
PathFinder Office Supervisor: Francisco Sinisterra
PathFinder Field Engineers:Matt Shipp

Survey Horiz. Reference:WELLHEAD
Ref Coordinates: LAT:32.36.11.2003 N LON:103.56.24.4559 W
3RID Reference:NAD27 new mexico east Transverse Mercator
Ref GRID Coor: X: 621087.8000 Y: 583347.3000
North Aligned To:GRID NORTH
Total Magnetic Correction: 7.84° EAST TO GRID
Vertical Section Plane: 16.86
Survey Vert. Reference: 15.00' Kelly Bushing To Ground
Altitude:3235.00' Ground To MSL

Measured Depth	12480.00	(feet)
Inclination	7.12	(deg)
Azimuth	35.43	(deg)
True Vertical Depth	12352.89	(feet)
Vertical Section	804.76	(feet)
Survey X cord	621332.71	(feet)
Survey Y cord	584113.98	(feet)
Survey Lat	32.60521614 N	(deg)
Survey Lon	103.93932214 W	(deg)
Rectangular Corr. N/S	766.68 N	(feet)
Rectangular Corr. E/W	244.91 E	(feet)
Closure Distance	804.85	(feet)
Direction of Closure	17.72	(deg)
Dogleg Severity	0.00	(deg/100ft)

PathFinder Energy Services, Inc.

Survey Report

MARBOB ENERGY CORPORATION

REAR VIEW STATE COM #1

Eddy COUNTY, New Mexico

Rig: Patriot #2

PathFinder Office Supervisor: Francisco Sinisterra

PathFinder Field Engineers: Matt Shipp

Survey Horiz. Reference: WELLHEAD

Ref Coordinates: LAT: 32.36.11.2003 N LON: 103.56.24.4559 W

Reference: NAD27 new mexico east Transverse Mercator

Ref GRID Coord: X: 621087.8000 Y: 583347.3000

North Aligned To: GRID NORTH

Total Magnetic Correction: 7.84° EAST TO GRID

Vertical Section Plane: 16.86

Survey Vert. Reference: 15.00' Kelly Bushing To Ground

Altitude: 3235.00' Ground To MSL

Survey Calculations by RX5 V5.11i 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 BY SCIENTIFIC DRILLING CONTROLS @ 9025'MD.										
9025.00	0.82	183.25	9021.64	0.00	-33.94	12.37 S	76.22 W	77.22@	260.78	0.00
THE FOLLOWING ARE PATHFINDER MWD SURVEYS.										
9070.00	0.97	187.68	9066.63	45.00	-34.63	13.07 S	76.29 W	77.40@	260.28	0.37
9101.00	0.09	223.94	9097.63	31.00	-34.91	13.35 S	76.34 W	77.50@	260.08	2.90
9133.00	1.76	4.35	9129.63	32.00	-34.46	12.87 S	76.32 W	77.40@	260.42	5.72
9165.00	3.52	8.36	9161.59	32.00	-33.01	11.41 S	76.14 W	76.99@	261.48	5.53
9197.00	4.84	9.95	9193.51	32.00	-30.69	9.11 S	75.77 W	76.31@	263.14	4.14
9228.00	4.92	10.96	9224.39	31.00	-28.07	6.52 S	75.29 W	75.57@	265.05	0.38
9260.00	4.57	10.73	9256.28	32.00	-25.44	3.92 S	74.79 W	74.89@	267.00	1.09
9291.00	4.84	22.99	9287.18	31.00	-22.91	1.50 S	74.05 W	74.06@	268.84	3.35
9323.00	5.80	26.78	9319.04	32.00	-19.98	1.19 N	72.79 W	72.80@	270.93	3.19
9355.00	6.77	25.57	9350.85	32.00	-16.52	4.33 N	71.25 W	71.38@	273.48	3.06
9387.00	7.91	24.78	9382.59	32.00	-12.47	8.03 N	69.51 W	69.97@	276.59	3.58
9418.00	9.15	26.19	9413.24	31.00	-7.93	12.18 N	67.53 W	68.62@	280.22	4.06
9450.00	10.55	27.43	9444.77	32.00	-2.54	17.06 N	65.06 W	67.26@	284.70	4.43
9481.00	11.87	25.16	9475.18	31.00	3.41	22.47 N	62.39 W	66.32@	289.80	4.49
9513.00	13.19	23.26	9506.42	32.00	10.29	28.80 N	59.55 W	66.15@	295.81	4.32
9544.00	14.25	21.37	9536.53	31.00	17.61	35.60 N	56.77 W	67.01@	302.10	3.71
9576.00	15.30	20.55	9567.47	32.00	25.75	43.23 N	53.85 W	69.05@	308.75	3.35
9608.00	16.53	19.59	9598.25	32.00	34.51	51.47 N	50.84 W	72.34@	315.35	3.93
9640.00	17.50	19.82	9628.84	32.00	43.86	60.28 N	47.68 W	76.86@	321.66	3.04
9671.00	18.73	19.57	9658.31	31.00	53.49	69.36 N	44.44 W	82.37@	327.35	3.98
9703.00	20.22	20.36	9688.48	32.00	64.14	79.38 N	40.79 W	89.25@	332.80	4.73
9735.00	21.10	21.38	9718.42	32.00	75.40	89.93 N	36.77 W	97.16@	337.76	2.97
9767.00	21.10	21.22	9748.27	32.00	86.89	100.67 N	32.58 W	105.81@	342.07	0.18

PathFinder Energy Services, Inc.

Survey Report

MARBOB ENERGY CORPORATION
 REAR VIEW STATE COM #1
 Eddy COUNTY, New Mexico
 RIG:Patriot #2

Page 02/04

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)
9798.00	21.46	20.71	9777.16	31.00	98.11	111.17 N	28.56 W	114.78@	345.59	1.31
9830.00	21.02	21.01	9806.99	32.00	109.68	122.00 N	24.43 W	124.43@	348.68	1.42
9862.00	20.84	20.77	9836.87	32.00	121.08	132.68 N	20.35 W	134.24@	351.28	0.62
9893.00	21.10	19.72	9865.82	31.00	132.15	143.09 N	16.51 W	144.04@	353.42	1.47
9925.00	21.28	20.26	9895.66	32.00	143.70	153.96 N	12.56 W	154.47@	355.34	0.83
9957.00	21.10	19.55	9925.49	32.00	155.25	164.84 N	8.62 W	165.06@	357.01	0.98
9988.00	21.37	19.82	9954.39	31.00	166.47	175.41 N	4.84 W	175.48@	358.42	0.93
10020.00	21.37	19.70	9984.19	32.00	178.11	186.38 N	0.90 W	186.39@	359.72	0.14
10052.00	21.54	19.93	10013.97	32.00	189.80	197.40 N	3.07 E	197.42@	0.89	0.59
10084.00	22.07	19.85	10043.68	32.00	201.67	208.57 N	7.11 E	208.69@	1.95	1.66
10116.00	22.34	20.39	10073.31	32.00	213.74	219.93 N	11.27 E	220.22@	2.93	1.06
10147.00	22.69	19.75	10101.95	31.00	225.60	231.08 N	15.35 E	231.59@	3.80	1.38
10178.00	22.95	19.83	10130.52	31.00	237.60	242.39 N	19.42 E	243.17@	4.58	0.85
10210.00	22.60	20.45	10160.02	32.00	249.97	254.02 N	23.68 E	255.12@	5.33	1.33
10241.00	22.42	21.35	10188.66	31.00	261.81	265.11 N	27.92 E	266.57@	6.01	1.25
10273.00	20.84	22.64	10218.41	32.00	273.56	276.05 N	32.33 E	277.93@	6.68	5.16
10304.00	19.43	23.43	10247.51	31.00	284.17	285.87 N	36.50 E	288.19@	7.28	4.63
10335.00	18.20	25.94	10276.86	31.00	294.07	294.95 N	40.67 E	297.74@	7.85	4.75
10367.00	17.76	28.29	10307.29	32.00	303.79	303.74 N	45.17 E	307.08@	8.46	2.65
10398.00	17.67	29.40	10336.82	31.00	313.01	312.01 N	49.72 E	315.94@	9.05	1.13
10429.00	18.03	28.98	10366.33	31.00	322.30	320.30 N	54.35 E	324.88@	9.63	1.23
10461.00	18.29	29.62	10396.74	32.00	332.04	329.00 N	59.24 E	334.29@	10.21	1.02
10492.00	17.50	27.85	10426.24	31.00	341.36	337.35 N	63.82 E	343.33@	10.71	3.09
10524.00	17.59	25.73	10456.75	32.00	350.86	345.96 N	68.16 E	352.61@	11.15	2.02
10555.00	18.11	24.56	10486.26	31.00	360.26	354.56 N	72.20 E	361.84@	11.51	2.04
10587.00	18.73	24.64	10516.62	32.00	370.28	363.75 N	76.41 E	371.69@	11.86	1.94

PathFinder Energy Services, Inc.

Survey Report

MARBOB ENERGY CORPORATION
 REAR VIEW STATE COM #1
 Eddy COUNTY, New Mexico
 RIG:Patriot #2

Page 03/04

Measured Depth (ft)	Incl (deg)	Drift Dir. (deg)	TVD (ft)	Course Length (ft)	Vertical Section (ft)	TOTAL Rectangular Offsets		Closure Dist Dir		DLS (dg/100ft)
(ft)	(deg)	(deg)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(deg)	(dg/100ft)
10618.00	19.17	25.33	10545.94	31.00	380.25	372.88 N	80.66 E	381.50@	12.21	1.59
10650.00	19.70	25.53	10576.11	32.00	390.77	382.49 N	85.23 E	391.88@	12.56	1.67
10681.00	19.61	22.89	10605.31	31.00	401.11	392.00 N	89.51 E	402.09@	12.86	2.88
10713.00	19.17	21.13	10635.49	32.00	411.69	401.85 N	93.49 E	412.58@	13.10	2.29
10744.00	18.47	21.78	10664.84	31.00	421.66	411.16 N	97.15 E	422.48@	13.29	2.36
10776.00	18.73	21.60	10695.16	32.00	431.83	420.64 N	100.92 E	432.58@	13.49	0.83
10807.00	19.61	20.65	10724.45	31.00	441.98	430.14 N	104.59 E	442.67@	13.67	3.01
10839.00	19.52	18.94	10754.60	32.00	452.68	440.22 N	108.22 E	453.32@	13.81	1.81
10870.00	19.17	16.91	10783.85	31.00	462.95	449.99 N	111.38 E	463.57@	13.90	2.44
10902.00	18.29	16.60	10814.15	32.00	473.22	459.83 N	114.34 E	473.83@	13.96	2.77
10933.00	17.32	16.91	10843.67	31.00	482.70	468.90 N	117.07 E	483.30@	14.02	3.14
10965.00	16.71	17.11	10874.27	32.00	492.07	477.86 N	119.81 E	492.65@	14.08	1.92
10997.00	17.32	17.36	10904.87	32.00	501.43	486.80 N	122.59 E	502.00@	14.13	1.92
11029.00	18.20	17.41	10935.34	32.00	511.19	496.11 N	125.50 E	511.74@	14.20	2.75
11060.00	19.43	16.99	10964.68	31.00	521.19	505.67 N	128.46 E	521.73@	14.25	3.99
11092.00	19.17	16.53	10994.89	32.00	531.76	515.79 N	131.51 E	532.29@	14.30	0.94
11123.00	18.82	16.91	11024.20	31.00	541.85	525.46 N	134.41 E	542.38@	14.35	1.20
11154.00	18.47	17.60	11053.57	31.00	551.76	534.92 N	137.35 E	552.27@	14.40	1.33
11186.00	18.20	17.96	11083.95	32.00	561.83	544.51 N	140.42 E	562.32@	14.46	0.92
11217.00	17.85	18.06	11113.42	31.00	571.42	553.63 N	143.39 E	571.90@	14.52	1.13
11249.00	17.32	19.05	11143.93	32.00	581.08	562.79 N	146.47 E	581.54@	14.59	1.90
11281.00	16.27	20.55	11174.56	32.00	590.32	571.49 N	149.59 E	590.75@	14.67	3.55
11312.00	15.56	21.76	11204.38	31.00	598.79	579.42 N	152.66 E	599.20@	14.76	2.53
11343.00	14.42	24.16	11234.32	31.00	606.76	586.81 N	155.78 E	607.13@	14.87	4.19
11374.00	13.37	26.76	11264.41	31.00	614.12	593.53 N	158.97 E	614.45@	14.99	3.94
11406.00	12.31	28.40	11295.61	32.00	621.11	599.83 N	162.26 E	621.39@	15.14	3.50

PathFinder Energy Services, Inc.

Survey Report

MARBOB ENERGY CORPORATION
 REAR VIEW STATE COM #1
 Eddy COUNTY, New Mexico
 RIG:Patriot #2

Page 04/04

Measured Depth (ft)	Incl (deg)	Drift Dir. (deg)	TVD (ft)	Course Length (ft)	Vertical Section (ft)	TOTAL Rectangular Offsets		Closure Dist Dir		DLS (dg/100ft)
(ft)	(deg)	(deg)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(deg)	(dg/100ft)
11438.00	11.52	30.71	11326.92	32.00	627.56	605.58 N	165.52 E	627.79@	15.29	2.88
11469.00	11.17	31.91	11357.32	31.00	633.46	610.79 N	168.69 E	633.66@	15.44	1.36
11500.00	11.34	29.85	11387.72	31.00	639.33	615.98 N	171.79 E	639.49@	15.58	1.41
11531.00	10.90	29.70	11418.14	31.00	645.16	621.17 N	174.76 E	645.29@	15.71	1.42
11563.00	11.08	29.13	11449.55	32.00	651.11	626.49 N	177.75 E	651.22@	15.84	0.66
11594.00	11.70	29.76	11479.94	31.00	657.09	631.82 N	180.77 E	657.17@	15.97	2.04
11625.00	11.34	30.51	11510.32	31.00	663.11	637.17 N	183.87 E	663.17@	16.10	1.26
11656.00	10.99	31.21	11540.73	31.00	668.94	642.33 N	186.95 E	668.98@	16.23	1.21
11688.00	11.17	30.84	11572.13	32.00	674.90	647.60 N	190.12 E	674.93@	16.36	0.60
11719.00	11.26	27.94	11602.54	31.00	680.78	652.85 N	193.08 E	680.80@	16.48	1.84
11750.00	10.90	27.42	11632.96	31.00	686.64	658.12 N	195.85 E	686.64@	16.57	1.20
11781.00	10.64	23.43	11663.42	31.00	692.36	663.35 N	198.33 E	692.37@	16.65	2.55
11844.00	10.64	20.80	11725.34	63.00	703.94	674.12 N	202.71 E	703.94@	16.74	0.77
11906.00	11.34	17.63	11786.20	62.00	715.75	685.28 N	206.59 E	715.75@	16.78	1.49
11968.00	10.90	19.05	11847.04	62.00	727.70	696.63 N	210.35 E	727.70@	16.80	0.84
12030.00	10.29	21.75	11907.98	62.00	739.07	707.32 N	214.32 E	739.07@	16.86	1.27
12092.00	10.02	22.03	11969.01	62.00	749.96	717.46 N	218.39 E	749.96@	16.93	0.44
12155.00	9.32	23.30	12031.11	63.00	760.49	727.23 N	222.46 E	760.49@	17.01	1.16
12217.00	8.79	26.90	12092.34	62.00	770.14	736.06 N	226.59 E	770.15@	17.11	1.25
12279.00	7.91	29.18	12153.68	62.00	778.98	744.01 N	230.82 E	778.99@	17.24	1.52
12341.00	8.18	29.09	12215.07	62.00	787.46	751.59 N	235.04 E	787.49@	17.37	0.44
12431.00	7.12	35.43	12304.27	90.00	799.00	761.73 N	241.39 E	799.07@	17.58	1.50
STRAIGHT-LINE PROJECTION TO BIT @ 12480'MD.										
12480.00	7.12	35.43	12352.89	49.00	804.76	766.68 N	244.91 E	804.85@	17.72	0.00

PATHFINDER

ENERGY SERVICES

TIE-IN SURVEY INFORMATION SHEET

CLIENT INFORMATION

CLIENT:	Marbob Energy Corporation		
LEASE / WELL No.:	Rear View State Corn	#1H	
WELL LOCATION:	Eddy County, New Mexico		
COUNTY / STATE / COUNTRY:	Eddy	New Mexico	USA
RIG:	Patriot #2		
API WELL No:	30-015-36640		
JOB No:	101008253-WT-WT		
P.O. / AFE No.			
DIRECTIONAL COMPANY:	Pathfinder Energy Services		

WELL SITE INFORMATION

MAGNETIC DECLINATION:			
On Wall Plat:	8.06	LWD Calculated:	8.050211
		Agreed Upon:	7.838343
X =	621087.800000	Feet	Y = 583347.300000
			Feet
SITE LATITUDE:	32.603111 N	SITE LONGITUDE:	103.940127 W
GRID SYSTEM:	TRUE ☐ UTM ☒ LAMBERT ☐	ZONE:	New Mexico East
PROPOSED DRIFT DIRECTION:	16.86		
KELLY BUSHING ELEVATION:	3242		
ALTITUDE:	3235	Feet	WATER DEPTH:
			Feet

TIE-IN SURVEY

MEASURED DEPTH:	9025		
DRIFT ANGLE:	0.82		
DRIFT DIRECTION:	183.25		
TRUE VERTICAL DEPTH:	9021.64		
VERTICAL SECTION:	-33.94		
RECTANGULAR COORDINATE (N / S) :	-12.37		
RECTANGULAR COORDINATE (E / W) :	-76.22		
CLOSURE DISTANCE / DIRECTION:	77.22	260.78	
SURVEY CALCULATION METHOD:	AA ☐	MC ☒	RC ☐ BT ☐
SOURCE OF TIE-IN DATA (COMPANY):	Scientific Drilling Controls		
COPY OF TIE-IN SURVEY REPORT	☒ YES ☐ NO		

WELL PLAN

KICKOFF DEPTH:	9100 Feet	TOTAL DEPTH:	12599.94
KICKOFF ANGLE:	0.8	MAX ANGLE:	20.7

PES Engineers:

Matt Shi

**Signature of both field engineers required if applicable

Directional Driller:

[Signature]

DATE: 2/24/09

S C I E N T I F I C D R I L L I N G C O N T R O L S

KEEPER GYRO SURVEY

Directional Survey Report

for

MARBOB

Well Number	:	REARVIEW STATE COM NO.1
Well Location	:	EDDY COUNTY, NEW MEXICO
Job Number	:	32K0209068
Location Latitude	:	32.603
Survey Date	:	24-FEB-2009
S.D.C. Personnel	:	ANGEL GUEBARA
Length Units	:	Feet
North Reference	:	GRID North
Grid Correction	:	-0.21 Degrees
Survey Depth Zero	:	RKB
Proposal Direction	:	16.86
Calculation Method	:	Minimum Curvature

Remarks : The OUTFUN Survey will be called definitive

S C I E N T I F I C D R I L L I N G C O N T R O L S

Outrun Survey
for
MARBOB

Page 1

Well No.: REARVIEW STATE COM NO.

Date : 24-FEB-2009

Job No. : 32K0209068

GRID

Proposal : 16.86

Depth (Feet)	T.V.D. (Feet)	V.S. (Feet)	Inc Deg.	Azimuth Deg.	Latitude (Feet)	Departure (Feet)	D-leg /100
-------------------	--------------------	------------------	-------------	-----------------	----------------------	-----------------------	---------------

0.00	0.00	0.00	0.00	359.79	0.00	0.00	0.00
100.00	100.00	-0.69	0.99	160.23	-0.81	0.29	0.99
200.00	199.96	-2.86	1.99	164.75	-3.30	1.04	1.01
300.00	299.90	-5.83	2.03	165.18	-6.69	1.95	0.04
400.00	399.84	-8.84	1.97	167.72	-10.08	2.77	0.11
500.00	499.78	-11.71	1.76	169.48	-13.27	3.42	0.22
600.00	599.75	-14.02	1.21	170.20	-15.82	3.88	0.55
700.00	699.73	-15.57	0.99	152.16	-17.62	4.46	0.41
800.00	799.72	-16.27	1.07	111.88	-18.74	5.73	0.71
900.00	899.68	-15.96	1.82	92.42	-19.15	8.18	0.89
1000.00	999.62	-14.87	2.36	87.17	-19.12	11.82	0.57
1100.00	1099.53	-13.41	2.42	85.71	-18.86	15.99	0.09
1200.00	1199.45	-12.10	2.11	89.42	-18.68	19.93	0.34
1300.00	1299.40	-11.06	1.41	83.80	-18.53	23.00	0.72
1400.00	1399.38	-10.10	0.93	70.33	-18.12	24.98	0.55
1500.00	1499.37	-9.05	0.82	54.93	-17.44	26.33	0.26
1600.00	1599.36	-7.92	0.79	50.74	-16.59	27.45	0.07
1700.00	1699.35	-7.22	0.32	81.92	-16.11	28.26	0.54
1800.00	1799.35	-7.64	0.62	184.26	-16.62	28.50	0.76
1900.00	1899.34	-8.91	0.86	189.66	-17.89	28.33	0.25
2000.00	1999.33	-10.51	0.99	190.45	-19.48	28.05	0.13
2100.00	2099.32	-12.23	0.99	192.21	-21.18	27.71	0.03
2200.00	2199.30	-13.96	1.00	203.06	-22.83	27.19	0.19
2300.00	2299.29	-15.50	0.78	206.08	-24.24	26.55	0.22
2400.00	2399.28	-16.46	0.77	261.38	-24.95	25.58	0.72
2500.00	2499.26	-17.34	1.25	254.34	-25.35	23.87	0.49
2600.00	2599.23	-19.05	1.89	243.54	-26.38	21.34	0.70
2700.00	2699.17	-21.36	1.93	242.34	-27.89	18.37	0.06
2800.00	2799.10	-23.93	2.31	243.38	-29.58	15.08	0.38
2900.00	2899.02	-26.65	2.27	244.76	-31.32	11.49	0.07
3000.00	2998.94	-29.43	2.41	243.20	-33.12	7.82	0.15
3100.00	3098.86	-32.06	1.96	242.95	-34.84	4.42	0.45
3200.00	3198.80	-34.08	2.04	259.20	-35.95	1.15	0.57
3300.00	3298.73	-36.09	2.43	252.93	-36.91	-2.63	0.46
3400.00	3398.62	-38.61	2.78	253.18	-38.23	-6.97	0.35
3500.00	3498.50	-41.14	2.85	258.48	-39.43	-11.73	0.27
3600.00	3598.39	-43.34	2.72	261.49	-40.28	-16.52	0.20

S C I E N T I F I C D R I L L I N G C O N T R O L S

Outrun Survey
for
MARBOB

Page 2

Well No. : REARVIEW STATE COM NO.

Date : 24-FEB-2009

Job No. : 32K0209068

GRID

Proposal : 16.86

Depth (Feet)	T.V.D. (Feet)	V.S. (Feet)	Inc Deg.	Azimuth Deg.	Latitude (Feet)	Departure (Feet)	D-leg /100
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4000.00	3998.02	-50.01	2.17	265.06	-42.12	-33.43	0.11
4100.00	4097.95	-51.44	2.24	264.84	-42.46	-37.26	0.07
4200.00	4197.87	-52.84	2.20	266.65	-42.75	-41.12	0.08
4300.00	4297.80	-54.18	2.18	265.82	-43.00	-44.94	0.04
4400.00	4397.73	-55.55	2.16	265.73	-43.28	-48.71	0.02
4500.00	4497.66	-56.85	2.06	266.34	-43.53	-52.38	0.10
4600.00	4597.60	-58.08	2.04	267.34	-43.73	-55.95	0.04
4700.00	4697.53	-59.21	1.94	268.45	-43.86	-59.42	0.11
4800.00	4797.48	-60.15	1.76	271.72	-43.86	-62.65	0.21
4900.00	4897.44	-60.95	1.67	270.55	-43.80	-65.64	0.10
5000.00	4997.40	-61.72	1.66	272.73	-43.72	-68.55	0.06
5100.00	5097.35	-62.44	1.57	271.13	-43.62	-71.36	0.10
5200.00	5197.32	-63.01	1.41	277.49	-43.43	-73.95	0.23
5300.00	5297.30	-63.37	1.24	278.72	-43.11	-76.24	0.17
5400.00	5397.27	-63.54	1.11	285.97	-42.68	-78.24	0.20
5500.00	5497.25	-63.69	1.14	278.82	-42.26	-80.16	0.14
5600.00	5597.24	-63.91	1.05	281.58	-41.92	-82.04	0.10
5700.00	5697.22	-63.92	1.07	291.57	-41.39	-83.81	0.19
5800.00	5797.20	-63.87	0.96	285.45	-40.83	-85.48	0.15
5900.00	5897.19	-63.81	1.03	291.52	-40.27	-87.12	0.13
6000.00	5997.17	-63.62	0.87	295.97	-39.61	-88.64	0.18
6100.00	6097.16	-63.32	0.94	299.25	-38.88	-90.04	0.09
6200.00	6197.15	-62.99	0.89	298.80	-38.10	-91.44	0.05
6300.00	6297.14	-62.66	0.94	298.29	-37.34	-92.84	0.05
6400.00	6397.12	-62.45	0.83	290.73	-36.70	-94.24	0.16
6500.00	6497.11	-62.40	0.94	286.93	-36.20	-95.70	0.12
6600.00	6597.10	-62.41	0.91	286.23	-35.74	-97.25	0.03
6700.00	6697.09	-62.49	0.91	281.56	-35.36	-98.79	0.07
6800.00	6797.07	-62.78	1.00	272.52	-35.16	-100.44	0.18
6900.00	6897.06	-63.22	0.85	269.80	-35.13	-102.05	0.16
7000.00	6997.06	-63.22	0.33	58.26	-34.98	-102.55	1.14
7100.00	7097.05	-62.48	0.80	59.08	-34.47	-101.71	0.47
7200.00	7197.04	-61.25	1.07	56.58	-33.59	-100.33	0.27
7300.00	7297.02	-59.77	1.12	55.88	-32.53	-98.74	0.05
7400.00	7396.99	-58.03	1.49	58.11	-31.30	-96.83	0.37
7500.00	7496.95	-56.02	1.66	61.09	-29.91	-94.45	0.19
7600.00	7596.91	-53.89	1.71	59.90	-28.46	-91.90	0.06
7700.00	7696.87	-51.75	1.77	58.47	-27.88	-89.74	0.05

S C I E N T I F I C D R I L L I N G C O N T R O L S

Outrun Survey
for
MARBOB

Page 3

Well No.: REARVIEW STATE COM NO.

Date : 24-FEB-2009

Job No. : 32K0209068

GRID

Proposal : 16.86

Depth (Feet)	T.V.D. (Feet)	V.S. (Feet)	Inc Deg.	Azimuth Deg.	Latitude (Feet)	Departure (Feet)	D-leg /100
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8000.00	7996.76	-45.41	1.51	51.23	-22.40	-82.67	0.04
8100.00	8096.72	-43.22	1.43	45.01	-20.69	-80.76	0.18
8200.00	8196.70	-41.19	1.20	43.39	-19.05	-79.16	0.23
8300.00	8296.68	-39.49	0.88	26.32	-17.60	-78.10	0.44
8400.00	8396.67	-38.05	0.78	20.47	-16.27	-77.52	0.13
8500.00	8496.66	-36.93	0.51	21.06	-15.22	-77.12	0.27
8600.00	8596.66	-36.06	0.50	6.41	-14.37	-76.91	0.13
8700.00	8696.65	-35.02	0.72	2.97	-13.31	-76.83	0.22
8800.00	8796.65	-33.92	0.56	18.12	-12.22	-76.65	0.23
8900.00	8896.65	-33.27	0.21	40.59	-11.61	-76.38	0.37

9000.00	8996.64	-33.64	0.66	176.05	-12.05	-76.22	0.82
9025.00	9021.64	-33.94	0.82	183.25	-12.37	-76.22	0.74

The Horizontal Displacement (in Feet) at
Measured Depth 9025.00 is 77.22 in a Direction of 260.78 Degrees

PathFinder Energy Services, Inc.

Magnetic & Grid Calculations

MARBOB ENERGY
REAR VIEW STATE COM #1
EDDY COUNTY, NEW MEXICO
Rig: PATRIOT 2

Wed Feb 18 17:44:59 2009

Coordinates

Latitude: 32.603111 N (32 deg. 36 min. 11.2003 sec.)
Longitude: 103.940127 W (-103 deg. 56 min. 24.4559 sec.)
Elevation: 3235.00 feet.
Calculation Date: Feb/18/2009

Magnetic Calculations

Model: IGRF2005
Dip Angle: 60.5466 degrees
Total Magnetic Field: 0.49065 gauss
Magnetic Declination: 8.050211 degrees
Horizontal Intensity: 0.241260 gauss
To Convert a Magnetic Dir. to a TRUE North Dir. Add 8.050211 Degr.

Transverse Mercator Grid Calculations NAD27

Grid System: Transverse Mercator: new mexico east
Ellipsoid: Clarke 1866
X: 621087.8000 feet
Y: 583347.3000 feet
True to Grid: (convergence) -0.211869 degrees
Magnetic to Grid: 7.838343 degrees
To Convert a Magnetic Dir. to a GRID dir. Add 7.838343 Degr.