

marbob
energy corporation

FAX TRANSMITTAL SHEET

DATE: 2-16-06

TO: Michael Stagner

FAX #: 476-3462

FROM: Jeannie Sillas

TOTAL # OF PAGES (INCLUDING COVER SHEET): 4

COMMENTS: LPC 31 Fed #1 Survey.

IF YOU HAVE ANY TROUBLE RECEIVING THIS FAX, PLEASE CONTACT ME.

PHONE: 505/748-3303

FAX: 505/746-2523

L & M DRILLING, INC.

OIL WELL DRILLING CONTRACTORS

PO BOX 1370 ARTESIA, NEW MEXICO 88211-1370
(505) 746-4405 746-3518 748-2205

November 7, 2005

Marbob Energy Corporation
 PO Drawer 227
 Artesia, NM 88211-0227

NOV 09 2005

RE: LPC 31 Federal #1
 1980' FNL & 2280' FEL
 Sec. 31, T18S, R32E
 Lea County, New Mexico

Gentlemen:

The following is a Deviation Survey for the above captioned well.

DEPTH	DEVIATION	DEPTH	DEVIATION
250'	1/4°	5222'	2°
487'	3/4°	5418'	1 3/4°
573'	1/2°	5695'	1 3/4°
1050'	3/4°	6164'	1 1/2°
1393'	1/4°	6689'	1 3/4°
1849'	1°	7184'	1 1/2°
2326'	2 1/4°	7680'	2°
2421'	2°	7773'	1 3/4°
2512'	1°	7896'	3°
2699'	2 1/2°	7958'	3°
2887'	1 1/4°	8022'	3°
3388'	1°	8087'	2 3/4°
3877'	1/4°	8180'	4 1/2°
4383'	1 1/4°	8177'	3 1/2°
4876'	1 1/4°		

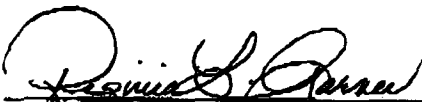
Directional tools were employed after 8177' and further deviations will be supplied by Pathfinder.

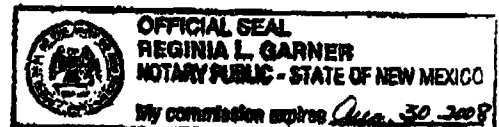
Very truly yours,


 Eddie C. LaRue
 Vice President

STATE OF NEW MEXICO }
 COUNTY OF EDDY }

The foregoing was acknowledged before me this 7th day of November, 2005.


 Regina L. Garner
 Notary Public



SERVING SOUTHEAST NEW MEXICO AND WEST TEXAS SINCE 1978

05-11-75

Pathfinder

Page 1

Job No: J-WT-0510-0191-WT-WT

Date: 12/28/2005

Time: 5:17 pm

Wellpath ID: J-WT-0150-0191-WT-WT

Date Created: 10/30/2005

Last Revision: 11/3/2005

Survey Report

Calculated using the Minimum Curvature Method
 Computed using PDS VER2.2.6
 Vertical Section Plane: 0.00 deg.

Survey Reference: WELLHEAD
 Vertical Section Reference: WELLHEAD
 Closure Reference: WELLHEAD
 TVD Reference: WELLHEAD

MARBOB ENERGY
 LPC 31 FEDERAL #1
 LEA CO., NM
 RIG: L&M #1

DECL: 8.19 EAST TO TRUE NORTH
 KBH = 17'

PATHFINDER OFFICE SUPERVISOR
 CODY MEBANE
 PATHFINDER FIELD ENGINEER
 GREG PUTNEY

Measured Depth (ft)	Incl (deg.)	Drift Dir. (deg.)	TVD (ft)	Course Length (ft)	Vertical Section (ft)	TOTAL Rectangular Offsets (ft)		Closure Dist. Dir. (ft) (deg.)	DLS (dg/100ft)
THE FOLLOWING ARE TOTCO SURVEYS									
1050.00	0.75	307.40	1050.00	0.00	0.00	0.00 N	0.00 E	0.00@ 0.00	0.00
1393.00	0.25	307.40	1392.99	343.00	1.82	1.82 N	2.38W	2.99@307.40	0.15
1849.00	1.00	307.40	1848.96	456.00	4.84	4.84 N	6.33W	7.97@307.40	0.16
2326.00	2.25	307.40	2325.75	477.00	13.05	13.05 N	17.07W	21.45@307.40	0.26
2421.00	2.00	307.40	2420.69	95.00	15.19	15.19 N	19.87W	25.02@307.40	0.26
2512.00	1.00	307.40	2511.66	91.00	16.64	16.64 N	21.77W	27.40@307.40	1.10
2699.00	2.25	307.40	2698.58	187.00	19.86	19.86 N	25.98W	32.70@307.40	0.67
2887.00	1.25	307.40	2886.49	188.00	23.35	23.35 N	30.54W	38.44@307.40	0.53
3388.00	1.00	307.40	3387.39	501.00	29.32	29.32 N	38.35W	48.28@307.40	0.05
3877.00	0.25	307.40	3876.36	489.00	32.56	32.56 N	42.59W	53.61@307.40	0.15
4386.00	1.25	307.40	4385.31	509.00	36.61	36.61 N	47.88W	60.28@307.40	0.20
4876.00	1.25	307.40	4875.19	490.00	43.10	43.10 N	56.38W	70.96@307.40	0.00
5222.00	2.00	307.40	5221.05	346.00	49.06	49.06 N	64.17W	80.76@307.40	0.22
5418.00	1.75	307.40	5416.94	196.00	52.96	52.96 N	69.26W	87.15@307.40	0.13
5695.00	1.75	307.40	5693.81	277.00	58.09	58.09 N	75.98W	95.65@307.40	0.00
6889.00	1.75	307.40	6887.35	994.00	76.53	76.53 N	100.10W	126.00@307.40	0.00
7184.00	1.50	307.40	7182.15	495.00	85.06	85.06 N	111.25W	140.04@307.40	0.05
7680.00	2.00	307.40	7677.92	496.00	94.26	94.26 N	123.28W	155.15@307.40	0.10
7773.00	1.75	307.40	7770.87	93.00	96.11	96.11 N	126.70W	158.23@307.40	0.27
7896.00	3.00	307.40	7893.76	123.00	99.20	99.20 N	129.75W	163.33@307.40	1.02
7958.00	3.00	307.40	7955.67	62.00	101.17	101.17 N	132.33W	166.57@307.40	0.00
8022.00	3.00	307.40	8019.59	64.00	103.21	103.21 N	134.99W	169.92@307.40	0.00
8087.00	2.75	307.40	8084.50	65.00	105.19	105.19 N	137.58W	173.18@307.40	0.38
THE FOLLOWING ARE PATHFINDER MWD SURVEYS \									
8147.00	3.70	307.40	8144.41	60.00	107.24	107.24 N	140.26W	176.56@307.40	1.58
8194.00	3.70	306.00	8191.31	47.00	109.05	109.05 N	142.69W	179.55@307.39	0.19
8225.00	4.10	304.60	8222.24	31.00	110.27	110.27 N	144.41W	181.70@307.36	1.33
8256.00	2.60	305.30	8253.19	31.00	111.30	111.30 N	145.90W	183.51@307.34	4.84
8288.00	2.10	317.90	8285.16	32.00	112.16	112.16 N	146.88W	184.81@307.36	2.24

THE FOLLOWING ARE PATHFINDER MWD SURVEYS

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Pathfinder

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Date: 12/28/2005

Survey Report

Wellpath ID: J-WT-0150-0191-WT-WT

Measured Depth (ft)	Incl (deg.)	Drift Dir. (deg.)	TVD (ft)	Course Length (ft)	Vertical Section (ft)	TOTAL Rectangular Offsets (ft)		Closure Dist. Dir. (ft) (deg.)	DLS (dg/100ft)
8351.00	1.20	291.60	8348.13	63.00	113.26	113.26 N	148.27W	186.58@307.37	1.83
8414.00	1.10	282.80	8411.12	63.00	113.63	113.63 N	149.47W	187.76@307.24	0.32
8477.00	1.80	289.10	8474.10	63.00	114.09	114.09 N	151.00W	189.26@307.07	1.14
8539.00	2.50	285.60	8536.06	62.00	114.77	114.77 N	153.22W	191.44@308.84	1.15
8601.00	1.80	274.30	8598.02	62.00	115.20	115.20 N	155.39W	193.43@306.55	1.58
8663.00	0.90	199.40	8660.00	62.00	114.81	114.81 N	156.41W	194.02@306.28	2.61
8725.00	1.20	229.70	8721.99	62.00	113.93	113.93 N	157.07W	194.04@305.95	1.00
8819.00	1.60	197.30	8815.97	94.00	112.04	112.04 N	158.21W	193.86@305.30	0.93
8851.00	1.80	200.90	8847.95	32.00	111.14	111.14 N	158.52W	193.60@305.03	0.71
8913.00	1.60	162.20	8909.93	62.00	109.41	109.41 N	158.61W	192.68@304.60	1.84
8975.00	0.90	162.20	8971.91	62.00	108.12	108.12 N	158.19W	191.81@304.35	1.13
9038.00	1.10	154.40	9034.90	63.00	107.10	107.10 N	157.78W	190.70@304.17	0.38
9101.00	1.10	66.10	9097.90	63.00	106.80	106.80 N	156.97W	189.86@304.23	2.43
9164.00	1.80	162.50	9160.88	63.00	106.10	106.10 N	156.11W	188.76@304.20	3.51
9226.00	1.90	168.50	9222.85	62.00	104.17	104.17 N	155.62W	187.26@303.80	0.35
9288.00	2.30	172.00	9284.81	62.00	101.93	101.93 N	155.24W	185.71@303.29	0.68
9413.00	2.30	147.10	9409.71	125.00	97.34	97.34 N	153.53W	181.78@302.38	0.79
9475.00	1.80	164.60	9471.67	62.00	95.36	95.36 N	152.59W	179.94@302.00	1.28
9536.00	1.40	150.23	9532.85	61.00	93.79	93.79 N	151.97W	178.58@301.68	0.92
9599.00	0.30	204.40	9595.64	63.00	92.97	92.97 N	151.65W	177.88@301.51	1.98
9725.00	0.50	175.20	9721.64	126.00	92.12	92.12 N	151.74W	177.52@301.26	0.22
9914.00	0.90	194.90	9910.62	189.00	89.86	89.86 N	152.06W	176.63@300.58	0.24
9950.00	0.90	26.20	9946.62	36.00	89.84	89.84 N	152.01W	176.57@300.59	4.98
STRAIGHT-LINE PROJECTION TO BIT									
9990.00	0.90	26.20	9986.62	40.00	90.41	90.41 N	151.73W	176.62@300.79	0.00