

Submit To: Appropriate District Office State Lease - 6 copies Fee Lease - 5 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 Revised June 10, 2003 WELL API NO. 30-015-33400 5. Indicate Type of Lease STATE ☒ FEE ☐ State Oil & Gas Lease No.
WELL COMPLETION OR RECOMPLETION REPORT AND LOG		
1a. Type of Well: OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER _____ b. Type of Completion: NEW ☒ WORK ☐ DEEPEN ☐ PLUG ☐ DIFF. ☐ WELL ☐ OVER ☐ BACK ☐ RESVR. ☐ OTHER ☐		7. Lease Name or Unit Agreement Name Willow ST #4 WESTERN HAWK STATE COM
2. Name of Operator MARBOB ENERGY CORPORATION		8. Well No. X
3. Address of Operator PO BOX 227, ARTESIA, NM 88211-0227		9. Pool name or Wildcat WILLOW LAKE; DELAWARE, SW
4. Well Location Unit Letter <u>N</u> : <u>380</u> Feet From The <u>SOUTH</u> Line and <u>2370</u> Feet From The <u>WEST</u> Line Section <u>3</u> Township <u>25S</u> Range <u>28E</u> NMPM <u>EDDY</u> County		
10. Date Spudded 6/4/04	11. Date T.D. Reached 6/20/04	12. Date Compl. (Ready to Prod.) 7/8/04
13. Elevations (DF& RKB, RT, GR, etc.) 2982' GL		14. Elev. Casinghead
15. Total Depth 7216'	16. Plug Back T.D. 7136'	17. If Multiple Compl. How Many Zones?
18. Intervals Drilled By 0 - 7216'		Rotary Tools
19. Producing Interval(s), of this completion - Top, Bottom, Name 5100' - 7100' DELAWARE		20. Was Directional Survey Made YES
21. Type Electric and Other Logs Run GAMMA RAY		22. Was Well Cored NO
23. CASING RECORD (Report all strings set in well)		
CASING SIZE	WEIGHT LB./FT.	DEPTH-SET
9 5/8"	36#	811'
5 1/2"	17#	7209'
24. LINER RECORD		
SIZE	TOP	BOTTOM
25. TUBING RECORD		
SIZE	DEPTH SET	PACKER SET
26. Perforation record (interval, size, and number) 4 SAND JETTED SHOTS AS EACH OF THE FOLLOWING DEPTHS: 5100', 5350', 5600', 5850', 6100', 6350', 6600', 6850', 7100'		
27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.		
DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED	
5100' - 7100'	FRAC @ 5100', 5350', 5600', 5850', 6100', 6350', 6600', 6850', 7100'	
W/ 230K# PROPPANT		
28. PRODUCTION		
Date First Production 7/12/04	Production Method (Flowing, gas lift, pumping - Size and type pump) PUMPING	Well Status (Prod. or Shut-in) PROD
Date of Test 7/14/04	Hours Tested 24	Choke Size
Prod'n For Test Period	Oil - Bbl 47	Gas - MCF 0
Flow Tubing Press.	Water - Bbl. 61	Gas - Oil Ratio
Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.
Gas - MCF	Water - Bbl.	Oil Gravity - API - (Corr.)
29. Disposition of Gas (Sold, used for fuel, vented, etc.) SOLD		Test Witnessed By LENDELL HAWKINS
30. List Attachments LOG, DEVIATION SURVEY, DIRECTIONAL SURVEY, GYROSCOPIC SURVEY		
31. I hereby certify that the information shown on both sides of this form as true and complete to the best of my knowledge and belief		
Signature		Printed Name DIANA J. CANNON Title PRODUCTION ANALYST Date 7/27/04
E-mail Address PRODUCTION@MARBOB.COM		

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. It 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 25 through 29 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

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. "B"
T. Salt	T. Strawn	T. Kirtland-Fruitland	T. Penn. "C"
B. Salt 2318'	T. Atoka	T. Pictured Cliffs	T. Penn. "D"
T. Yates	T. Miss	T. Cliff House	T. Leadville
T. 7 Rivers	T. Devonian	T. Menefee	T. Madison
T. Queen	T. Silurian	T. Point Lookout	T. Elbert
T. Grayburg	T. Montoya	T. Mancos	T. McCracken
T. San Andres	T. Simpson	T. Gallup	T. Ignacio Otzte
T. Glorieta	T. McKee	Base Greenhorn	T. Granite
T. Paddock	T. Ellenburger	T. Dakota	T.
T. Blinebry	T. Gr. Wash	T. Morrison	T.
T. Tubb	T. Delaware Sand 2560'	T. Todilto	T.
T. Drinkard	T. Bone Springs	T. Entrada	T.
T. Abo	T.	T. Wingate	T.
T. Wolfcamp	T.	T. Chinle	T.
T. Penn	T.	T. Permian	T.
T. Cisco (Bough C)	T.	T. Penn "A"	T.

OIL OR GAS SANDS OR ZONES

No. 1, from.....to.....
No. 2, from.....to.....
No. 3, 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

From	To	Thickness In Feet	Lithology

L & M DRILLING, INC.

OIL WELL DRILLING CONTRACTORS

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

June 29, 2004

JUN 30 2004

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

RE: *Winn St #4*
~~Western Hawk St Com #1-~~
380' FSL & 2570' FWL
Sec. 3, T25S, R28E
Eddy County, New Mexico

Gentlemen:

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

DEPTH	DEVIATION	DEPTH	DEVIATION
243'	1°	1877'	3/4°
690'	3/4°	2003'	2°
814'	1°	2187'	2°
1047'	3/4°	2282'	3°
1283'	1°	2407'	1 1/2°
1534'	1 3/4°	2533'	3/4°
1628'	1 1/2°	3029'	1/2°
1753'	3/4°	3510'	1 1/4°

RECEIVED

JUL 28 2004

OCD-ARTESIA

additional surveys supplied by DD operator

Very truly yours,

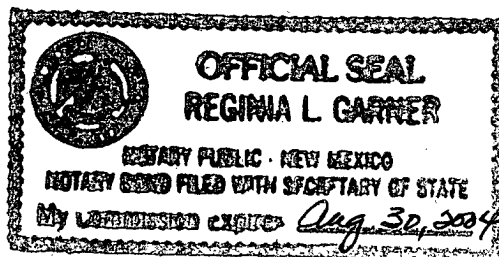
Eddie C. LaRue

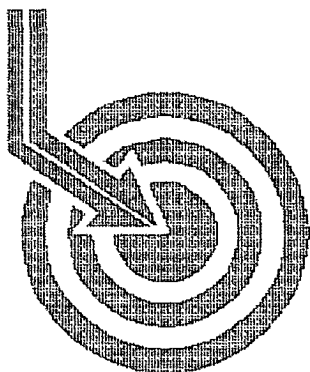
Eddie C. LaRue
Vice President

STATE OF NEW MEXICO }
COUNTY OF EDDY }

The foregoing was acknowledged before me
this 29th day of June, 2004.

Regina L. Garner
Notary Public





Scientific Drilling

MARBOB ENERGY

Field: ~~Western Hawk~~
Site: Eddy County, NM
Well: ~~Western Hawk State Com #1~~ Willow ST #4
Wellpath: VH - Job #32K0604365
Survey: 06/10/04

RECEIVED

JUL 28 2004

OOD-ARTESIA

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

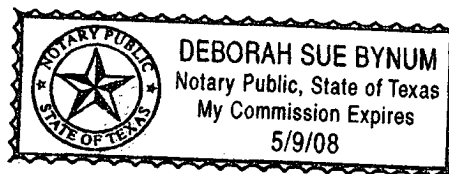
Scott Moody

Company Representative

Notorized this date 6th of July, 2004.

Deborah Sue Bynum

Notary Signature
County of Midland
State of Texas





Scientific
Drilling

Scientific Drilling Survey Report

Company: MARBOB ENERGY
Field: Western Hawk
Site: Eddy County, NM
Well: Western Hawk State Com #1
Wellpath: VH - Job #32K0604365

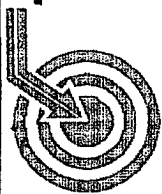
Date: 7/6/2004 Time: 08:46:04 Page: 1
Co-ordinate(NE) Reference: Site: Eddy County, NM, Grid North
Vertical (TVD) Reference: SITE 0.0
Section (VS) Reference: Well (0.00N,0.00E,345.19Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

Survey: 06/10/04
KSRG 0°-3950°
Company: Scientific Drilling
Tool: Keeper, Keeper Gyro

Start Date: 6/10/2004
Engineer: Gonzales/P&M
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	0.00	0.0	0.0	0.0	0.0	0.00	0.0	0.00
100.0	0.16	180.77	100.0	-0.1	-0.1	0.0	0.16	0.1	180.77
200.0	0.23	173.04	200.0	-0.5	-0.5	0.0	0.07	0.5	177.54
300.0	0.30	183.29	300.0	-0.9	-0.9	0.0	0.08	0.9	178.18
400.0	0.11	138.08	400.0	-1.2	-1.3	0.1	0.24	1.3	176.45
500.0	0.37	166.89	500.0	-1.7	-1.7	0.2	0.28	1.7	172.56
600.0	0.27	175.11	600.0	-2.2	-2.2	0.3	0.11	2.2	172.01
700.0	0.35	108.20	700.0	-2.6	-2.5	0.6	0.35	2.6	166.27
800.0	0.42	92.59	800.0	-2.9	-2.6	1.3	0.13	2.9	154.28
900.0	0.62	111.21	900.0	-3.3	-2.9	2.1	0.26	3.6	143.12
1000.0	0.45	142.30	1000.0	-4.0	-3.4	2.9	0.33	4.4	139.35
1100.0	0.98	251.94	1100.0	-4.4	-3.9	2.3	1.21	4.6	149.55
1200.0	1.03	251.30	1200.0	-4.5	-4.5	0.7	0.05	4.5	171.73
1300.0	1.12	253.02	1299.9	-4.6	-5.1	-1.1	0.10	5.2	192.59
1400.0	1.11	255.97	1399.9	-4.6	-5.6	-3.0	0.06	6.3	208.27
1500.0	1.21	256.64	1499.9	-4.6	-6.1	-5.0	0.10	7.8	219.33
1600.0	1.31	260.47	1599.9	-4.5	-6.5	-7.1	0.13	9.6	227.63
1700.0	1.37	283.22	1699.9	-3.8	-6.4	-9.4	0.53	11.4	235.73
1800.0	0.70	292.07	1799.8	-2.9	-5.9	-11.1	0.69	12.6	242.05
1900.0	0.33	61.98	1899.8	-2.4	-5.6	-11.5	0.95	12.7	244.16
2000.0	1.38	51.69	1999.8	-1.9	-4.7	-10.3	1.06	11.3	245.53
2100.0	2.00	57.34	2099.8	-0.9	-3.0	-7.8	0.64	8.4	249.20
2200.0	2.21	68.12	2199.7	-0.1	-1.3	-4.6	0.45	4.8	253.95
2300.0	2.36	76.01	2299.6	0.1	-0.1	-0.8	0.35	0.8	262.58
2400.0	1.85	75.70	2399.6	0.1	0.8	2.8	0.51	2.9	73.99
2500.0	1.05	81.80	2499.5	-0.1	1.3	5.2	0.81	5.4	75.82
2600.0	0.46	95.82	2599.5	-0.3	1.4	6.5	0.61	6.7	77.82
2700.0	0.53	78.32	2699.5	-0.5	1.5	7.4	0.17	7.5	78.79
2800.0	0.34	103.24	2799.5	-0.6	1.5	8.1	0.26	8.3	79.62
2900.0	0.21	3.34	2899.5	-0.6	1.6	8.4	0.43	8.6	79.22
3000.0	0.14	10.74	2999.5	-0.3	1.9	8.5	0.07	8.7	77.30
3100.0	0.30	333.97	3099.5	0.0	2.3	8.4	0.21	8.7	74.87
3200.0	0.44	311.30	3199.5	0.6	2.8	8.0	0.20	8.4	70.95
3300.0	0.56	295.22	3299.5	1.3	3.2	7.2	0.18	7.9	66.06
3400.0	0.61	294.20	3399.5	1.9	3.6	6.3	0.05	7.3	60.02
3500.0	0.66	290.30	3499.5	2.6	4.1	5.3	0.07	6.7	52.48
3600.0	0.83	278.32	3599.5	3.2	4.4	4.0	0.23	5.9	42.71
3700.0	1.00	275.74	3699.5	3.8	4.6	2.4	0.17	5.2	28.20
3800.0	1.10	289.12	3799.5	4.6	5.0	0.7	0.26	5.0	7.67
3900.0	0.81	295.73	3899.4	5.6	5.6	-0.9	0.31	5.6	351.07
3950.0	1.06	303.08	3949.4	6.2	6.0	-1.6	0.55	6.2	345.19



**Scientific
Drilling**

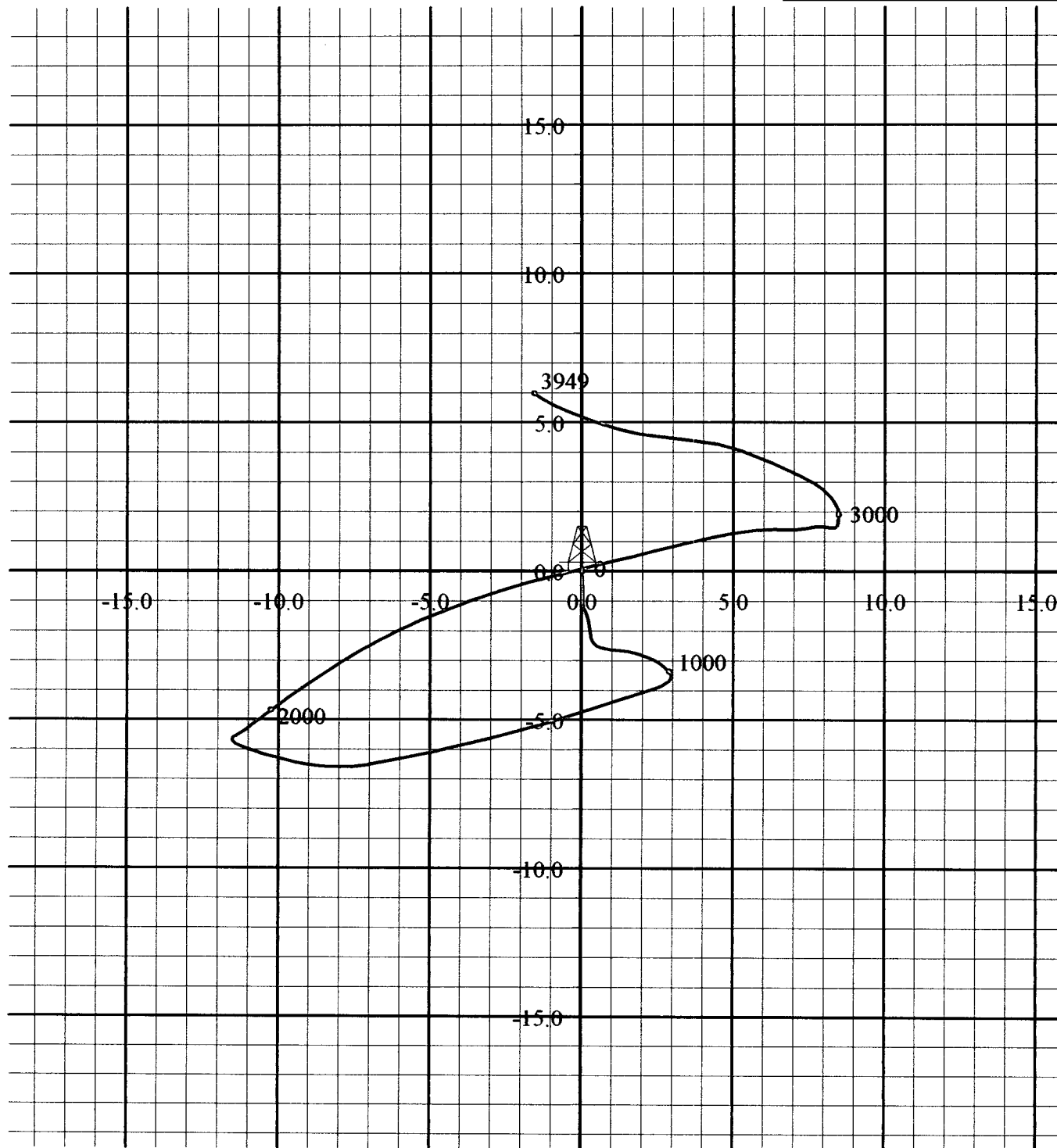
Field: Western Hawk
Site: Eddy County, NM
Well: Western Hawk State Com #1
Wellpath: VH - Job #32K0604365
Survey: 06/10/04



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

Magnetic Field
Strength: 0nT
Dip Angle: 0.00°
Date: 7/6/2004
Model: igrf2000

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



West(-)/East(+) [5ft/in]

PathFinder Energy Services

Survey Report

Page 1
Job No: J-WT-0406-0067
Date: 6/23/2004
Time: 9:24 am
Wellpath ID: western
Date Created: 6/11/2004
Last Revision: 6/23/2004

Calculated using the Minimum Curvature Method
Computed using PDS VER2.2.6
Vertical Section Plane: 88.89 deg.

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

Marbob Energy
~~Willow State #4H~~ Western Hawk St Com #1
L&M #1
Eddy Co. N.M.
Willow4

Measured Depth (ft)	Incl (deg.)	Drift Dir. (deg.)	Course Length (ft)	TVD (ft)	Vertical Section (ft)	T O T A L Rectangular Offsets (ft) (ft)		Closure Dist. Dir. (ft) (deg.)	DLS (dg/100ft)
Tie Into SDI Gyro									
3950.00	1.06	302.94	0.00	3949.44	-1.48	5.98 N	1.60W	6.15@345.02	0.00
1st PathFinder MWD Survey									
4090.00	1.32	299.26	140.00	4089.41	-3.95	7.47 N	4.09W	8.52@331.28	0.19
4192.00	1.23	285.90	102.00	4191.38	-6.01	8.35 N	6.17W	10.38@323.52	0.30
4285.00	1.32	288.97	93.00	4284.36	-7.97	8.97 N	8.14W	12.11@317.76	0.12
4325.00	1.23	289.94	40.00	4324.35	-8.80	9.26 N	8.98W	12.90@315.88	0.23
4355.00	0.53	340.92	30.00	4354.35	-9.15	9.51 N	9.33W	13.32@315.53	3.29
4386.00	2.29	65.73	31.00	4385.34	-8.62	9.90 N	8.81W	13.25@318.31	7.43
4417.00	5.36	69.07	31.00	4416.27	-6.69	10.67 N	6.90W	12.70@327.12	9.93
4449.00	8.71	68.46	32.00	4448.02	-3.01	12.09 N	3.25W	12.52@344.97	10.47
4480.00	11.96	66.43	31.00	4478.51	2.16	14.24 N	1.88 E	14.36@ 7.53	10.55
4511.00	15.56	64.76	31.00	4508.62	8.92	17.30 N	8.59 E	19.31@ 26.41	11.68
4542.00	18.99	65.82	31.00	4538.22	17.36	21.14 N	16.95 E	27.10@ 38.74	11.11
4573.00	22.42	68.28	31.00	4567.21	27.54	25.39 N	27.05 E	37.10@ 46.81	11.41
4604.00	25.85	70.04	31.00	4595.50	39.47	29.89 N	38.90 E	49.06@ 52.46	11.30
4635.00	29.90	70.13	31.00	4622.90	53.19	34.82 N	52.52 E	63.02@ 56.46	13.07
4667.00	33.50	71.62	32.00	4650.12	69.18	40.32 N	68.41 E	79.41@ 59.49	11.51
4699.00	36.58	73.47	32.00	4676.31	86.81	45.82 N	85.94 E	97.35@ 61.93	10.18
4730.00	40.89	75.31	31.00	4700.49	105.59	51.02 N	104.62 E	116.40@ 64.00	14.39
4762.00	45.55	77.51	32.00	4723.81	126.98	56.15 N	125.91 E	137.87@ 65.96	15.30
4794.00	49.95	79.53	32.00	4745.32	150.27	60.85 N	149.12 E	161.06@ 67.80	14.52
4825.00	54.17	81.38	31.00	4764.37	174.45	64.89 N	173.22 E	184.98@ 69.46	14.40
4856.00	58.74	82.96	31.00	4781.50	200.10	68.40 N	198.81 E	210.25@ 71.01	15.34
4888.00	63.40	84.63	32.00	4796.98	227.99	71.42 N	226.65 E	237.63@ 72.51	15.26
4919.00	67.71	86.82	31.00	4809.80	256.16	73.51 N	254.78 E	265.18@ 73.91	15.32
4951.00	71.84	88.32	32.00	4820.86	286.17	74.78 N	284.78 E	294.43@ 75.29	13.63
4982.00	76.50	89.02	31.00	4829.32	315.99	75.47 N	314.58 E	323.51@ 76.51	15.19
5013.00	81.16	88.93	31.00	4835.32	346.39	76.01 N	344.98 E	353.26@ 77.57	15.03

PathFinder Energy Services

Survey Report

Page 2

Date: 6/23/2004

Wellpath ID: western

Measured Depth (ft)	Incl (deg.)	Drift Dir. (deg.)	Course Length (ft)	TVD (ft)	Vertical Section (ft)	TOTAL Rectangular Offsets (ft)		Closure Dist. Dir. (ft) (deg.)	DLS (dg/100ft)
5042.00	86.44	88.67	29.00	4838.45	375.21	76.62N	373.80 E	381.57@ 78.42	18.23
5072.00	91.01	90.43	30.00	4839.12	405.19	76.85N	403.78 E	411.03@ 79.22	16.32
5104.00	93.03	92.01	32.00	4837.99	437.14	76.17N	435.75 E	442.36@ 80.08	8.01
5135.00	92.68	91.40	31.00	4836.45	468.07	75.25N	466.70 E	472.73@ 80.84	2.27
5167.00	91.89	91.31	32.00	4835.17	500.01	74.50N	498.66 E	504.20@ 81.50	2.48
5199.00	90.92	90.69	32.00	4834.39	531.98	73.94N	530.65 E	535.77@ 82.07	3.60
5230.00	89.52	90.16	31.00	4834.27	562.97	73.71N	561.65 E	566.46@ 82.52	4.83
5261.00	87.32	90.16	31.00	4835.12	593.95	73.62N	592.63 E	597.19@ 82.92	7.10
5292.00	85.91	89.29	31.00	4836.95	624.89	73.77N	623.58 E	627.92@ 83.25	5.34
5323.00	84.94	88.58	31.00	4839.43	655.79	74.34N	654.47 E	658.68@ 83.52	3.87
5355.00	84.77	88.14	32.00	4842.30	687.66	75.26N	686.33 E	690.44@ 83.74	1.47
5388.00	85.21	87.53	33.00	4845.18	720.53	76.50N	719.18 E	723.24@ 83.93	2.27
5418.00	84.77	87.18	30.00	4847.80	750.40	77.88N	749.03 E	753.07@ 84.06	1.87
5449.00	83.45	87.53	31.00	4850.98	781.23	79.30N	779.84 E	783.86@ 84.19	4.40
5480.00	82.92	87.00	31.00	4854.66	811.99	80.77N	810.58 E	814.60@ 84.31	2.41
5511.00	82.92	86.39	31.00	4858.48	842.73	82.54N	841.29 E	845.33@ 84.40	1.95
5542.00	83.45	86.03	31.00	4862.16	873.48	84.58N	872.01 E	876.10@ 84.46	2.06
5574.00	84.68	87.00	32.00	4865.47	905.28	86.51N	903.78 E	907.91@ 84.53	4.89
5605.00	84.86	86.91	31.00	4868.29	936.14	88.15N	934.60 E	938.75@ 84.61	0.65
5636.00	85.74	87.44	31.00	4870.83	967.02	89.67N	965.46 E	969.62@ 84.69	3.31
5667.00	87.05	87.88	31.00	4872.78	997.95	90.94N	996.37 E	1000.51@ 84.79	4.46
5698.00	88.99	89.20	31.00	4873.85	1028.93	91.73N	1027.34 E	1031.43@ 84.90	7.57
5729.00	89.16	89.73	31.00	4874.35	1059.92	92.01N	1058.34 E	1062.33@ 85.03	1.80
5761.00	89.69	91.13	32.00	4874.67	1091.91	91.77N	1090.33 E	1094.19@ 85.19	4.68
5793.00	91.36	92.01	32.00	4874.38	1123.87	90.90N	1122.32 E	1125.99@ 85.37	5.90
5824.00	92.77	92.89	31.00	4873.26	1154.79	89.57N	1153.27 E	1156.74@ 85.56	5.36
5855.00	92.95	93.50	31.00	4871.72	1185.66	87.85N	1184.18 E	1187.44@ 85.76	2.05
5886.00	93.12	93.15	31.00	4870.08	1216.53	86.05N	1215.09 E	1218.13@ 85.95	1.25
5917.00	93.30	93.15	31.00	4868.34	1247.39	84.35N	1245.99 E	1248.84@ 86.13	0.58
5949.00	91.89	92.54	32.00	4866.89	1279.28	82.77N	1277.92 E	1280.60@ 86.29	4.80
5978.00	91.28	91.83	29.00	4866.09	1308.22	81.66N	1306.89 E	1309.43@ 86.42	3.23
6010.00	89.43	91.40	32.00	4865.89	1340.18	80.76N	1338.87 E	1341.30@ 86.55	5.94
6041.00	88.55	90.52	31.00	4866.44	1371.16	80.24N	1369.86 E	1372.21@ 86.65	4.01
6072.00	87.76	90.08	31.00	4867.44	1402.13	80.08N	1400.84 E	1403.13@ 86.73	2.92
6103.00	87.85	89.64	31.00	4868.62	1433.11	80.15N	1431.82 E	1434.06@ 86.80	1.45
6135.00	89.08	89.99	32.00	4869.48	1465.09	80.26N	1463.81 E	1466.01@ 86.86	4.00
6166.00	90.48	90.87	31.00	4869.60	1496.08	80.02N	1494.81 E	1496.95@ 86.94	5.33
6198.00	88.81	90.52	32.00	4869.80	1528.06	79.64N	1526.80 E	1528.88@ 87.01	5.33
6230.00	87.76	88.76	32.00	4870.76	1560.04	79.84N	1558.79 E	1560.83@ 87.07	6.40
6261.00	88.11	88.23	31.00	4871.87	1591.02	80.65N	1589.75 E	1591.80@ 87.10	2.05
6293.00	89.08	88.85	32.00	4872.66	1623.01	81.46N	1621.73 E	1623.78@ 87.12	3.60
6325.00	89.87	89.37	32.00	4872.95	1655.01	81.96N	1653.73 E	1655.76@ 87.16	2.96

PathFinder Energy Services

Survey Report

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Date: 6/23/2004

Wellpath ID: western

Measured Depth (ft)	Incl (deg.)	Drift Dir. (deg.)	Course Length (ft)	TVD (ft)	Vertical Section (ft)	TOTAL Rectangular Offsets (ft)		Closure Dist. Dir. (ft) (deg.)		DLS (dg/100ft)
6356.00	89.96	89.37	31.00	4873.00	1686.00	82.30N	1684.73 E	1686.74@	87.20	0.29
6387.00	90.31	88.93	31.00	4872.92	1717.00	82.76N	1715.72 E	1717.72@	87.24	1.81
6418.00	90.57	89.02	31.00	4872.68	1748.00	83.32N	1746.72 E	1748.70@	87.27	0.89
6449.00	88.11	88.41	31.00	4873.04	1779.00	84.01N	1777.70 E	1779.69@	87.29	8.18
6481.00	87.49	87.44	32.00	4874.27	1810.97	85.17N	1809.66 E	1811.66@	87.31	3.60
6512.00	87.49	87.53	31.00	4875.63	1841.93	86.53N	1840.60 E	1842.63@	87.31	0.29
6543.00	88.55	87.18	31.00	4876.70	1872.90	87.96N	1871.55 E	1873.61@	87.31	3.60
6575.00	86.70	86.03	32.00	4878.02	1904.85	89.85N	1903.46 E	1905.58@	87.30	6.81
6606.00	86.70	85.42	31.00	4879.81	1935.75	92.16N	1934.32 E	1936.52@	87.27	1.96
6637.00	88.55	85.33	31.00	4881.09	1966.66	94.66N	1965.20 E	1967.47@	87.24	5.97
6668.00	89.34	85.77	31.00	4881.67	1997.60	97.06N	1996.10 E	1998.46@	87.22	2.92
6700.00	89.16	86.91	32.00	4882.08	2029.57	99.10N	2028.03 E	2030.45@	87.20	3.61
6732.00	87.93	86.65	32.00	4882.90	2061.54	100.90N	2059.97 E	2062.44@	87.20	3.93
6763.00	87.67	87.09	31.00	4884.09	2092.49	102.59N	2090.90 E	2093.41@	87.19	1.65
6825.00	86.61	86.56	62.00	4887.18	2154.37	106.02N	2152.72 E	2155.33@	87.18	1.91
6856.00	86.97	86.39	31.00	4888.92	2185.30	107.92N	2183.62 E	2186.28@	87.17	1.28
6887.00	87.32	86.39	31.00	4890.46	2216.23	109.87N	2214.52 E	2217.24@	87.16	1.13
6919.00	87.41	86.21	32.00	4891.93	2248.16	111.94N	2246.42 E	2249.20@	87.15	0.63
6951.00	87.41	86.12	32.00	4893.38	2280.09	114.07N	2278.31 E	2281.17@	87.13	0.28
6982.00	87.32	86.03	31.00	4894.80	2311.02	116.19N	2309.21 E	2312.13@	87.12	0.41
7013.00	87.41	85.59	31.00	4896.23	2341.95	118.46N	2340.09 E	2343.09@	87.10	1.45
7044.00	87.58	85.42	31.00	4897.58	2372.86	120.88N	2370.97 E	2374.05@	87.08	0.78
7076.00	87.93	85.42	32.00	4898.84	2404.78	123.44N	2402.84 E	2406.01@	87.06	1.09
7108.00	88.20	84.98	32.00	4899.92	2436.70	126.11N	2434.71 E	2437.97@	87.03	1.61
7139.00	88.55	84.89	31.00	4900.80	2467.61	128.85N	2465.58 E	2468.94@	87.01	1.17
7166.00	89.25	84.80	27.00	4901.31	2494.54	131.27N	2492.46 E	2495.92@	86.99	2.61
Straight line Projection to Bit @ TD										
7216.00	89.25	84.80	50.00	4901.97	2544.41	135.81N	2542.25 E	2545.88@	86.94	0.00