

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD-ARTESIA

FORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2004

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5 Lease Serial No.
NM-88139

1a Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry Other
b. Type of Completion: ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff Resvr.
Other _____

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

2. Name of Operator

Mewbourne Oil Company 14744

8 Lease Name and Well No.

Wood Draw 35 Federal #3

3 Address

PO Box 5270 Hobbs, NM 88240

3a Phone No (include area code)

505-393-5905

9. API Well No

30-015-35568

4 Location of Well (Report location clearly and in accordance with Federal requirements)*

At surface 250' FNL & 2310' FWL, Unit C of Sec 2-T25S-R29E

At top prod. interval reported below 347' FSL & 2289' FWL, Unit M of Sec 35-T24S-R29E

At total depth 1635' FSL & 2280' FWL, Unit K of Sec 35-T24S-R29E

AUG 14 2007

OCD-ARTESIA

10. Field and Pool, or Exploratory

NW Corral Canyon Delaware

11. Sec., T., R., M., on Block and Survey
or Area Sec 35-T24S-R29E

12. County or Parish

Eddy County

13. State

NM

14. Date Spudded

05/20/07

15 Date T.D. Reached

06/21/07

16. Date Completed

☐ D&A

☒ Ready to Prod

17. Elevations (DF, RKB, RT, GL)*

3055' GL

18. Total Depth: MD 7000'
TVD 5291'

19 Plug Back T.D MD 6203'
TVD 5313'

20 Depth Bridge Plug Set MD
TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)

Did Not Log Well

22. Was well cored? ☒ No ☐ Yes (Submit analysis)
Was DST run? ☒ No ☐ Yes (Submit report)
Directional Survey? ☐ No ☒ Yes (Submit copy)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No of Sk. & Type of Cement	Slurry Vol (BBL)	Cement Top*	Amount Pulled
12 1/4"	9 5/8" J55	36	0	805' MD		440 C	104	surface	NA
8 3/4"	5 1/2" N80	17	0	6255' MD		1st 900 C/H	219	surface	NA
						2nd 1500 C	533		

24 Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2 7/8"	4691'	NA						

25. Producing Intervals

Formation	TOP	Bottom	Perforated Interval	Size	No Holes	Perf Status
A) Delaware	3220' MD		5710' - 6150' MD	0.36"	37	open
B)						
C)						
D)						

26. Perforation Record

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
5710' - 6150'	Acidized with 2000 gals 15% NeFe HCl
5710' - 6150'	Frac with 16,000 gals Viking 2500 carrying 20k# 16/30 SB Excel prop

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr API	Gas Gravity	Production Method
07/14/07	07/31/07	24	→	102	50	83	39.4	0.933	Pumping
Choke Size	Tbg Press Flwg SI	Csg Press	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas Oil Ratio	Well Status	
NA	100	80	→	102	50	83	491.20	open	

28a Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr API	Gas Gravity	Production Method
			→						
Choke Size	Tbg Press Flwg SI	Call Press	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas Oil Ratio	Well Status	
			→						

ACCEPTED FOR RECORD
AUG 10 2007
JERRY FANT
PETROLEUM GEOLOGIST

(See instructions and spaces for additional data on next page)

28b Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr API	Gas Gravity	Production Method
			→						
Choke Size	Tbg Press Flwg SI	Csg Press	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas Oil Ratio	Well Status	
			→						

28c Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr API	Gas Gravity	Production Method
			→						
Choke Size	Tbg Press Flwg SI	Csg Press	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas Oil Ratio	Well Status	
			→						

29 Disposition of Gas (Sold used for fuel, vented, etc)

SOLD

30. Summary of Porous Zones (Include Aquifers)

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc	Name	Top
					Meas Depth
Delaware	MD 3220'				

32. Additional remarks (include plugging procedure)

33 Circle enclosed attachments

① Electrical/Mechanical Logs (1 full set req'd)

2 Geologic Report

3 DST Report

④ Directional Survey

5 Sundry Notice for plugging and cement verification

6 Core Analysis

⑦ Other Dev Rpt, Pathfinder Surv, Directional Surv

34 I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name (please print) Kristi Green

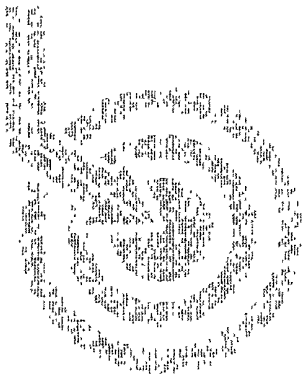
Title Hobbs Regulatory

Signature



Date 08/02/07

Title 18 U S C Section 1001 and Title 43 U S C Section 1212 make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false fictitious or fraudulent statements or representations as to any matter within its jurisdiction



Scientific Drilling

MEWBOURNE OIL

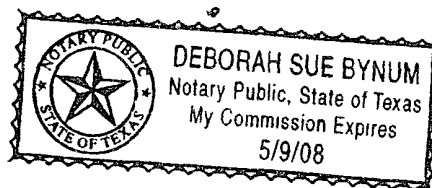
Field: Corral Canyon
Site: Eddy County, NM
Well: Wood Draw 35 Fed #3H
Wellpath: VH - Job #32K0607447
Survey: 06/01/07

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

.....*Sharon*.....Company Representative

Notorized this date 11th of July, 2007.

Deborah Sue Bynum
Notary Signature
County of Midland
State of Texas





Scientific
Drilling

Scientific Drilling International Survey Report

Company: MEWBOURNE OIL
Field: Corral Canyon
Site: Eddy County, NM
Well: Wood Draw 35 Fed #3H
Wellpath: VH - Job #32K0607447

Date: 06/26/2007 Time: 21 04 07 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,352 69Az)
Survey Calculation Method: Minimum Curvature Db: Sybase

Survey: 06/01/07 Start Date: 06/01/2007
Company: Scientific Drilling Internatio Engineer: Rehders/Lilja w/GeoGyro
Tool: Keeper, Keeper Gyro Tied-to: From Surface

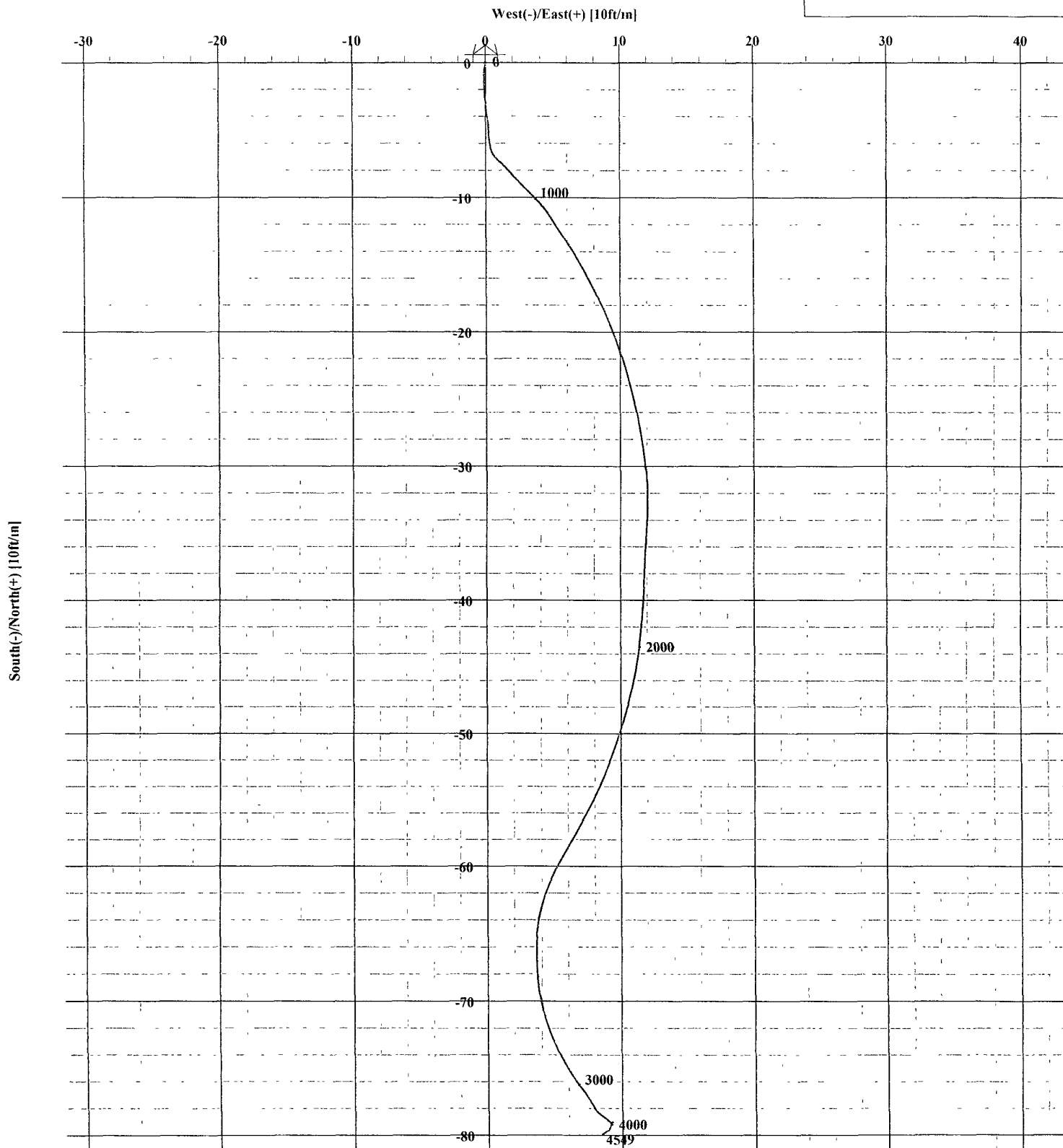
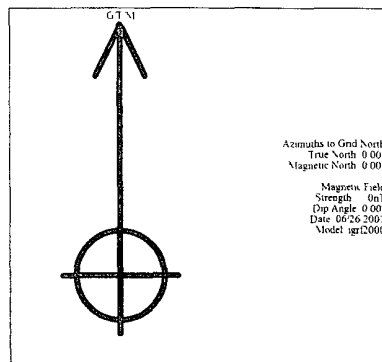
Survey

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	0 20	0 00	0 00	0 00	0 00	0.00	0 00	0 00
100 00	0 38	190 21	100 00	-0 32	-0 33	-0 06	0 38	0 33	190 21
200 00	0 29	178 31	200 00	-0 88	-0 91	-0 11	0 11	0 91	186 93
300 00	0 70	178 99	299 99	-1 74	-1 77	-0 09	0 41	1 77	182 97
400 00	0 90	171 74	399 98	-3 14	-3 16	0 03	0 22	3 16	179 42
500 00	0 95	176 99	499 97	-4 75	-4 76	0 19	0 10	4 77	177 74
600 00	0 69	170 29	599 96	-6 18	-6 18	0 33	0.28	6 19	176 92
700 00	0 52	133 05	699 96	-7 13	-7.09	0 77	0 42	7 13	173 83
800 00	0 81	136 58	799 95	-8 05	-7 91	1 58	0 29	8 07	168 68
900 00	0 88	138 07	899 94	-9 25	-8 99	2 58	0 07	9 36	163 98
1000 00	0 87	133 43	999 93	-10 47	-10 09	3 65	0 07	10 73	160 12
1100 00	1.05	146 90	1099 91	-11 88	-11 38	4 70	0 29	12 31	157.56
1200 00	1 39	145 73	1199 89	-13 79	-13 15	5 88	0 34	14 40	155 90
1300 00	1 80	151 12	1299 85	-16 33	-15 53	7 32	0 44	17 17	154 74
1400 00	1 95	155.10	1399 80	-19 41	-18 44	8 80	0 20	20 43	154 50
1500 00	2 28	161 93	1499 73	-22 99	-21 88	10 13	0 41	24 11	155 15
1600 00	2 33	167 78	1599 65	-26 97	-25 76	11 18	0 24	28 08	156 54
1700 00	2 36	172 80	1699 56	-31 05	-29 78	11 87	0 21	32 06	158 28
1800 00	2 61	183 38	1799 47	-35 35	-34 10	11 99	0 52	36 15	160 63
1900 00	2 77	182 26	1899 36	-39 97	-38 79	11 76	0 17	40 53	163 13
2000 00	2 58	187 33	1999.25	-44 53	-43 43	11.38	0 30	44 90	165 32
2100 00	2 51	194 78	2099 15	-48 74	-47 78	10.53	0 34	48 93	167 57
2200 00	2 50	200 99	2199 06	-52 69	-51.94	9 19	0 27	52 75	169 96
2300 00	2 33	207 06	2298 97	-56 28	-55 78	7 49	0 31	56 28	172 35
2400 00	2 30	210 19	2398 89	-59 55	-59 33	5 55	0 13	59 59	174 65
2500 00	1 82	196 30	2498 82	-62 60	-62 59	4 10	0.69	62.72	176 25
2600 00	1 60	181.87	2598 78	-65 43	-65 51	3 61	0.48	65 61	176 85
2700 00	1 76	175 00	2698 74	-68 35	-68 43	3 70	0.26	68.53	176 91
2800 00	1 67	162.07	2798 69	-71 31	-71 35	4.28	0 40	71 48	176 57
2900 00	1 59	152 80	2898 65	-74 05	-73 97	5 36	0.28	74 16	175 85
3000 00	1 42	143 30	2998 62	-76 43	-76.20	6.74	0 30	76 49	174 95
3100 00	0 65	152 04	3098.60	-78 04	-77 69	7 74	0 78	78 08	174 31
3200 00	0 22	134 57	3198 60	-78 73	-78 33	8.15	0 45	78 75	174 06
3300 00	0 22	117 90	3298 60	-78 99	-78 55	8.45	0.06	79 00	173 86
3400 00	0 20	132 50	3398 60	-79 23	-78.76	8 75	0 06	79 24	173 66
3500 00	0 18	131.08	3498 60	-79 48	-78 98	9 00	0 02	79.49	173 50
3600 00	0 07	77.40	3598 59	-79.59	-79 07	9 18	0.15	79 60	173 38
3700.00	0 04	12 97	3698 59	-79 56	-79 02	9 24	0 06	79 56	173 33
3800 00	0 02	275 12	3798 59	-79 52	-78 99	9 23	0 05	79 52	173 33
3900 00	0 08	198 99	3898 59	-79 58	-79.05	9.19	0 08	79 58	173 37
4000 00	0 06	191 17	3998 59	-79 69	-79 17	9 16	0 02	79 70	173 40
4100 00	0 12	210 79	4098 59	-79 82	-79 31	9 10	0 07	79 83	173 46
4200 00	0 12	194 31	4198 59	-80 00	-79 50	9 02	0 03	80 01	173 53
4300 00	0 10	241 10	4298 59	-80 13	-79.64	8 91	0 09	80.14	173 61
4400 00	0 11	251.84	4398 59	-80 18	-79 72	8 75	0 02	80 20	173 74
4500 00	0 15	220 22	4498 59	-80 29	-79 85	8 57	0 08	80 31	173 87
4550 00	0 13	242 94	4548 59	-80 35	-79 92	8 48	0 12	80 37	173 94



Scientific
Drilling

Field: Corral Canyon
Site: Eddy County, NM
Well: Wood Draw 35 Fed #3H
Wellpath: VH - Job #32K0607447
Survey: 06/01/07



OPERATOR MEWBOURNE OIL CO
WELL/LEASE WOOD DRAW 35 FED 3
COUNTY EDDY

048-0050

STATE OF NEW MEXICO
DEVIATION REPORT

233	0 50
474	1.00
756	0 75
1,021	0 75
1,259	1 50
1,513	2 00
1,736	2.50
1,863	2.75
1,926	2.75
2,021	2.75
2,122	2.75
2,195	2.50
2,328	2 50
2,386	2 50
2,479	2 00
2,575	1 50
2,670	1 25
2,766	1 50
2,860	1 50
2,960	1 50
3,056	1 00
3,175	0 25
3,304	0.50
3,404	0 25
3,653	0.25
3,912	0.25
4,130	0 25
4,161	0.50
4,389	0 25
4,683	0.25

STATE OF TEXAS

COUNTY OF MIDLAND

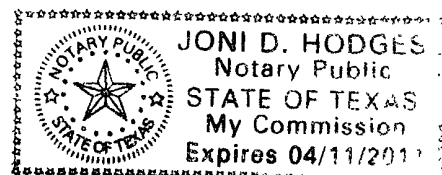
BY

Steve Moore

The foregoing instrument was acknowledged before me on
Moore on behalf of Patterson-UTI Drilling Company LLC

July 3, 2007, by Steve

Joni D. Hodges
Notary Public for Midland County, Texas
My Commission Expires 4/11/11



PathFinder Energy Services, Inc.

BHL Report

Page 01/01
Tie-in Date 06/02/2007
Date Completed 06/21/2007

MEWBOURNE OIL CO.
ST1 WOOD DRAW 35 FED #3
EDDY COUNTY, NM
Rig PATTERSON 48
PathFinder Office Supervisor:
PathFinder Field Engineers.G DAVILA
C DAVILA

Survey Horiz Reference WELLHEAD
Ref Coordinates LAT.32.9 56 7972 N LON 103 57.20.5704 W
GRID Reference NAD27 new mexico east Transverse Mercator
Ref GRID Coord. X 616849 2545 Y. 424235 5837
North Aligned To TRUE NORTH
Total Magnetic Correction: 8 03° EAST TO TRUE
Vertical Section Plane 0 00
Survey Vert. Reference:3055 00' Kelly Bushing To Ground

Measured Depth	7000.00	(feet)
Inclination	89.16	(deg)
Azimuth	3.02	(deg)
True Vertical Depth	5291.07	(feet)
Vertical Section	1884.48	(feet)
Survey X cord	616818.53	(feet)
Survey Y cord	426119.87	(feet)
Survey Lat	32 17095712 N	(deg)
Survey Lon	103 95579194 W	(deg)
Rectangular Corr. N/S	1884.48 N	(feet)
Rectangular Corr. E/W	30.69 W	(feet)
Closure Distance	1884.73	(feet)
Direction of Closure	359.07	(deg)
Dogleg Severity	0.00	(deg/100ft)

FINDER

ENERGY SERVICES

TIE-IN SURVEY INFORMATION SHEET**CLIENT INFORMATION**

CLIENT	Mewbourne Oil Co		
LEASE / WELL No	WoodDraw	35 FED #3	
WELL LOCATION	Eddy County		
COUNTY / STATE / COUNTRY	Eddy County	NM	USA
RIG	Patterson # 48		
API WELL No	30-015-35568		
JOB No	101006414 WT-WT		
P O. / AFE No	N/A		
DIRECTIONAL COMPANY	Pathfinder Energy		

WELL SITE INFORMATION

MAGNETIC DECLINATION			
On Wall Plat	8 03	LHD Calculated	8 025042
		Agreed Upon.	8 03
X =	616849 238000	Feet	Y = 424235 402000
			Feet
SITE LATITUDE	32.165777 N	SITE LONGITUDE	103 955714 W
GRID SYSTEM	TRUE ☐ UTM ☒ LAMBERT ☐	ZONE	
PROPOSED DRIFT DIRECTION.	0		
KELLY BUSHING ELEVATION	18 5		
ALTITUDE	3055	Feet	WATER DEPTH
			Feet

TIE-IN SURVEY

MEASURED DEPTH	4550		
DRIFT ANGLE	0 13		
DRIFT DIRECTION	242.94		
TRUE VERTICAL DEPTH	4548 59		
VERTICAL SECTION	0		
RECTANGULAR COORDINATE (N / S)	-79 92		
RECTANGULAR COORDINATE (E / W)	8 48		
CLOSURE DISTANCE / DIRECTION	80 37	173 94	
SURVEY CALCULATION METHOD.	AA ☐	MC ☒	RC ☐ BT ☐
SOURCE OF TIE-IN DATA (COMPANY)	Scientific Drilling Controls		
COPY OF TIE-IN SURVEY REPORT	☒ YES ☐ NO		

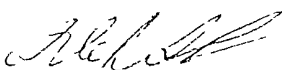
WELL PLAN

KICKOFF DEPTH	4683'	TOTAL DEPTH	7683 28
KICKOFF ANGLE	0 13	MAX ANGLE	90 43

PES Engineers: _____

**Signature of both field engineers required if applicable

Directional Driller



DATE _____

PathFinder Energy Services, Inc.

Survey Report

MEWBOURNE OIL CO.
ST1 WOOD DRAW 35 FED #3
EDDY COUNTY, NM
Rig: PATTERSON 48
PathFinder Office Supervisor:
PathFinder Field Engineers: G. DAVILA
C. DAVILA

Survey Horiz Reference: WELLHEAD
Ref Coordinates LAT 32 9 56 7972 N LON 103.57.20 5704 W
Reference: NAD27 new mexico east Transverse Mercator
Ref GRID Coord X: 616849 2545 Y: 424235.5837
North Aligned To: TRUE NORTH
Total Magnetic Correction: 8.03° EAST TO TRUE
Vertical Section Plane: 0.00
Survey Vert Reference: 3055.00' Kelly Bushing To Ground

Survey Calculations by RX5 V5.11D using Minimum Curvature

Measured Depth (ft)	Incl (deg)	Drift Dir (deg)	TVD (ft)	Course Length (ft)	Vertical Section (ft)	TOTAL Retangular Offsets (ft) (ft)		Closure Dist Dir (ft) (deg)		DLS (dg/100ft)
TIE IN PROVIDED BY SCIENTIFIC DRILLING @ 4550' MD.										
4550.00	0.13	242.94	4548.59	0.00	-79.92	79.92 S	8.48 E	80.37@	173.94	0.00
THE FOLLOWING ARE PATHFINDER MWD SURVEYS										
4635.00	0.18	214.31	4633.59	85.00	-80.07	80.07 S	8.32 E	80.51@	174.07	0.11
4667.00	0.09	339.82	4665.59	32.00	-80.09	80.09 S	8.28 E	80.52@	174.10	0.76
4698.00	2.55	356.96	4696.58	31.00	-79.38	79.38 S	8.24 E	79.81@	174.08	7.95
4730.00	6.07	353.53	4728.48	32.00	-76.99	76.99 S	8.01 E	77.40@	174.06	11.02
4762.00	9.41	353.35	4760.19	32.00	-72.71	72.71 S	7.51 E	73.09@	174.10	10.44
4793.00	12.75	354.32	4790.61	31.00	-66.78	66.78 S	6.88 E	67.14@	174.12	10.79
4825.00	15.65	355.73	4821.62	32.00	-58.96	58.96 S	6.21 E	59.29@	173.99	9.13
4857.00	18.73	356.43	4852.19	32.00	-49.53	49.53 S	5.57 E	49.84@	173.58	9.65
4889.00	21.37	356.78	4882.25	32.00	-38.58	38.58 S	4.92 E	38.89@	172.73	8.26
4920.00	23.83	357.75	4910.87	31.00	-26.68	26.68 S	4.36 E	27.03@	170.72	8.03
4952.00	26.29	356.96	4939.85	32.00	-13.14	13.14 S	3.73 E	13.66@	164.16	7.76
4984.00	28.58	355.90	4968.25	32.00	1.57	1.57 N	2.81 E	3.22@	60.77	7.32
5016.00	31.22	355.99	4995.99	32.00	17.48	17.48 N	1.68 E	17.56@	5.49	8.25
5047.00	33.68	356.43	5022.15	31.00	34.08	34.08 N	0.58 E	34.08@	0.98	7.97
5079.00	36.23	356.69	5048.37	32.00	52.38	52.38 N	0.52 W	52.38@	359.43	7.98
5111.00	38.16	357.04	5073.86	32.00	71.69	71.69 N	1.57 W	71.71@	358.74	6.07
5143.00	40.36	357.83	5098.64	32.00	91.92	91.92 N	2.48 W	91.95@	358.46	7.05
5174.00	43.26	357.92	5121.74	31.00	112.57	112.57 N	3.24 W	112.62@	358.35	9.36
5206.00	46.08	357.83	5144.50	32.00	135.05	135.05 N	4.08 W	135.11@	358.27	8.81
5238.00	49.15	357.48	5166.07	32.00	158.66	158.66 N	5.05 W	158.74@	358.18	9.63
5270.00	52.76	355.99	5186.22	32.00	183.47	183.47 N	6.47 W	183.58@	357.98	11.85

PathFinder Energy Services, Inc.

Survey Report

MEWBOURNE OIL CO.
ST1 WOOD DRAW 35 FED #3
EDDY COUNTY, NM
RIG:PATTERSON 48

Page 02/03

Measured Depth (ft)	Incl (deg)	Drift Dir. (deg)	TVD (ft)	Course Length (ft)	Vertical Section (ft)	TOTAL Retangular Offsets (ft) (ft)		Closure Dist Dir (ft) (deg)		DLS (dg/100ft)
5302.00	56.10	356.13	5204.83	32.00	209.43	209.43 N	8 26 W	209.60@	357.74	10 44
5334.00	59.00	356.46	5222.00	32.00	236.38	236.38 N	10.00 W	236.59@	357.58	9.10
5366.00	61.64	356.92	5237.84	32.00	264.13	264.13 N	11.60 W	264.39@	357.48	8.34
5397.00	64.10	357.01	5251.98	31.00	291.68	291.68 N	13.06 W	291.97@	357 44	7 94
5429.00	66.57	357.29	5265.33	32.00	320.72	320.72 N	14.51 W	321.05@	357.41	7 76
5460.00	70.17	357.50	5276.76	31.00	349.50	349.50 N	15.82 W	349 86@	357 41	11.63
5492.00	74.22	357.48	5286.54	32.00	379 94	379 94 N	17.15 W	380 32@	357 42	12 66
5524.00	77.21	357 47	5294.44	32.00	410.91	410.91 N	18 52 W	411.33@	357.42	9 34
5556.00	80.37	357.88	5300.66	32.00	442.27	442.27 N	19.79 W	442.71@	357.44	9 95
5587.00	83.54	359 15	5304.99	31.00	472.95	472.95 N	20.58 W	473 40@	357.51	11.00
5619 00	86.17	0.03	5307.86	32.00	504.82	504.82 N	20 81 W	505.25@	357.64	8 66
5651.00	87.14	0.85	5309.73	32.00	536.76	536.76 N	20.57 W	537.16@	357.81	3.97
5679.00	87.93	0 38	5310.93	28.00	564.74	564.74 N	20.27 W	565.10@	357.94	3.28
5711.00	86.70	358.80	5312.43	32.00	596.70	596.70 N	20.50 W	597.05@	358.03	6.25
5743.00	86.88	357.48	5314.23	32.00	628.63	628.63 N	21.53 W	629.00@	358.04	4.16
5774.00	87.14	356.43	5315.84	31.00	659.54	659.54 N	23.18 W	659.95@	357.99	3.49
5869.00	89.60	358.63	5318.55	95.00	754.40	754.40 N	27.27 W	754.90@	357.93	3 47
5884.00	89.87	357.57	5318.61	15.00	769.40	769.40 N	27.76 W	769.90@	357.93	7.29
5901.00	90.13	357.75	5318 61	17.00	786.38	786.38 N	28.46 W	786.90@	357 93	1 86
5933.00	90.31	358.98	5318.49	32.00	818.37	818.37 N	29.37 W	818 89@	357.94	3.88
5965.00	90.48	358.80	5318.27	32.00	850.36	850.36 N	29.99 W	850.89@	357 98	0.77
5996.00	90.57	358.80	5317.99	31.00	881.35	881.35 N	30.64 W	881.88@	358.01	0 29
6028.00	90.84	358.63	5317.59	32.00	913.34	913.34 N	31.36 W	913.88@	358.03	1 00
6060.00	91.01	358.27	5317.08	32.00	945.33	945.33 N	32.22 W	945.87@	358.05	1 24
6092.00	91 28	358.71	5316.44	32.00	977.31	977.31 N	33.07 W	977.87@	358 06	1 61
6124 00	91 45	358 80	5315.67	32.00	1009 29	1009 29 N	33.76 W	1009 86@	358.08	0 60
6155.00	91.71	358 98	5314.82	31 00	1040.27	1040.27 N	34.36 W	1040 84@	358 11	1 02

PathFinder Energy Services, Inc.

Survey Report

MEWBOURNE OIL CO.
ST1 WOOD DRAW 35 FED #3
EDDY COUNTY, NM
RIG:PATTERSON 48

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Measured Depth (ft)	Incl (deg)	Drift Dir. (deg)	TVD (ft)	Course Length (ft)	Vertical Section (ft)	TOTAL Retangular Offsets (ft) (ft)		Closure Dist Dir (ft) (deg)		DLS (dg/100ft)
6187.00	90.75	359.42	5314.13	32.00	1072.26	1072.26 N	34.81 W	1072.83@	358.14	3.30
6219.00	91.01	359.07	5313.64	32.00	1104.26	1104.26 N	35.23 W	1104.82@	358.17	1.36
6251.00	91.45	359.42	5312.95	32.00	1136.25	1136.25 N	35.65 W	1136.81@	358.20	1.76
6282.00	90.57	359.68	5312.41	31.00	1167.24	1167.24 N	35.90 W	1167.79@	358.24	2.96
6314.00	90.66	359.59	5312.06	32.00	1199.24	1199.24 N	36.10 W	1199.78@	358.28	0.40
6346.00	90.84	359.59	5311.65	32.00	1231.23	1231.23 N	36.33 W	1231.77@	358.31	0.56
6378.00	90.75	359.24	5311.20	32.00	1263.23	1263.23 N	36.66 W	1263.76@	358.34	1.13
6410.00	90.22	359.07	5310.93	32.00	1295.22	1295.22 N	37.13 W	1295.76@	358.36	1.74
6441.00	90.13	359.33	5310.84	31.00	1326.22	1326.22 N	37.56 W	1326.75@	358.38	0.89
6473.00	90.04	358.63	5310.79	32.00	1358.22	1358.22 N	38.13 W	1358.75@	358.39	2.21
6505.00	90.84	358.80	5310.54	32.00	1390.21	1390.21 N	38.85 W	1390.75@	358.40	2.55
6536.00	91.80	359.07	5309.83	31.00	1421.19	1421.19 N	39.42 W	1421.74@	358.41	3.22
6568.00	92.51	358.98	5308.63	32.00	1453.16	1453.16 N	39.97 W	1453.71@	358.42	2.24
6600.00	92.68	359.51	5307.18	32.00	1485.13	1485.13 N	40.39 W	1485.68@	358.44	1.74
6632.00	92.51	0.30	5305.73	32.00	1517.10	1517.10 N	40.44 W	1517.64@	358.47	2.52
6663.00	92.77	0.03	5304.30	31.00	1548.06	1548.06 N	40.35 W	1548.59@	358.51	1.21
6695.00	93.12	0.03	5302.66	32.00	1580.02	1580.02 N	40.34 W	1580.54@	358.54	1.09
6727.00	92.77	1.26	5301.01	32.00	1611.98	1611.98 N	39.98 W	1612.47@	358.58	3.99
6759.00	93.03	1.70	5299.39	32.00	1643.92	1643.92 N	39.15 W	1644.39@	358.64	1.60
6790.00	94.18	1.26	5297.44	31.00	1674.85	1674.85 N	38.35 W	1675.29@	358.69	3.97
6816.00	94.70	1.00	5295.43	26.00	1700.77	1700.77 N	37.84 W	1701.19@	358.73	2.24
6848.00	93.21	1.70	5293.22	32.00	1732.68	1732.68 N	37.09 W	1733.08@	358.77	5.14
6880.00	91.80	1.70	5291.83	32.00	1764.64	1764.64 N	36.14 W	1765.01@	358.83	4.41
6912.00	91.89	1.97	5290.79	32.00	1796.60	1796.60 N	35.12 W	1796.95@	358.88	0.89
6943.00	89.87	3.20	5290.32	31.00	1827.57	1827.57 N	33.72 W	1827.88@	358.94	7.63
6957.00	89.16	3.02	5290.44	14.00	1841.55	1841.55 N	32.96 W	1841.84@	358.97	5.23
STRAIGHT LINE PROJECTION TO BIT @ 7000' MD.										
7000.00	89.16	3.02	5291.07	43.00	1884.48	1884.48 N	30.69 W	1884.73@	359.07	0.00

PathFinder Energy Services, Inc.

Magnetic & Grid Calculations

MEWBOURNE OIL
WOOD DRAW 35 FED #3H
EDDY COUNTY, NEW MEXICO
Rig: PATTERSON #48

Mon May 28 10:16:08 2007

Coordinates

Latitude:	32.165777 N (32 deg. 9 min. 56.7954 sec.)
Longitude:	103.955714 W (-103 deg. 57 min. 20.5706 sec.)
Elevation:	3055.00 feet.
Calculation Date:	May/28/2007

Magnetic Calculations

Model:	IGRF2005
Dip Angle:	60.1714 degrees
Total Magnetic Field:	0.48965 gauss
Magnetic Declination:	8.226078 degrees
Horizontal Intensity:	0.243557 gauss

To Convert a Magnetic Dir. to a TRUE North Dir. Add 8.226078 Degr.

Transverse Mercator Grid Calculations NAD27

Grid System:	Transverse Mercator: new mexico east
Ellipsoid:	Clarke 1866
X:	616849.2380 feet
Y:	424235.4020 feet
True to Grid: (convergence)	-0.201036 degrees
Magnetic to Grid:	8.025042 degrees

To Convert a Magnetic Dir. to a GRID dir. Add 8.025042 Degr.