

JAMES BRUCE
ATTORNEY AT LAW

POST OFFICE BOX 1056
SANTA FE, NEW MEXICO 87504

369 MONTEZUMA, NO. 213
SANTA FE, NEW MEXICO 87501

(505) 982-2043 (Phone)
(505) 660-6612 (Cell)
(505) 982-2151 (Fax)

jamesbruc@aol.com

RECEIVED OCD

2010 AUG 25 P 3: 37

August 25, 2010

Richard Ezeanyim
Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

Re: Case No. 14523/Mewbourne Oil Company

Dear Richard:

You asked for well costs for which each pooled party would be liable. Attached is part of the landman's affidavit, where I have calculated costs for each person based on the AFE total well cost (\$1,703,900).

Also attached is a revised directional drilling plan. The well will have a surface location of 200 feet FNL and 2260 feet FWL, and a terminus of 330 feet FSL and 2260 feet FWL. While the surface is unorthodox, the well will penetrate the top of the Yeso at an orthodox location.

Very truly yours,



James Bruce

Attorney for Mewbourne Oil Company

**STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION**

**IN THE MATTER OF THE HEARING CALLED
BY THE OIL CONSERVATION DIVISION FOR
THE PURPOSE OF CONSIDERING:**

**APPLICATION OF MEWBOURNE OIL COMPANY
FOR APPROVAL OF A NON-STANDARD OIL SPACING
AND PRORATION UNIT AND COMPULSORY POOLING,
EDDY COUNTY, NEW MEXICO.**

Case No. 14,523

VERIFIED STATEMENT OF COREY MITCHELL

Corey Mitchell, being duly sworn upon his oath, deposes and states:

1. I am a landman for Mewbourne Oil Company, and have personal knowledge of the matters stated herein.

2. Pursuant to Division Rule NMAC 19.15.4.12.A(1), the following information is submitted in support of the compulsory pooling application filed herein:

(a) No opposition is expected because the working interest owners being pooled are unlocatable, or have been contacted regarding the proposed well and have simply not decided whether to join in the well or lease their interests.

(b) A plat outlining the non-standard spacing unit being pooled is attached hereto as Exhibit A. Applicant seeks an order approving a 160-acre non-standard oil spacing and proration unit (project area) in the Yeso formation comprised of the E/2W/2 of Section 21, Township 20 South, Range 25 East, NMPM. Applicant further seeks the pooling of all mineral interests (i) from the surface to the top of the Yeso formation underlying the NE/4NW/4 of Section 21 to form a standard 40 acre oil spacing and proration unit, and (ii) the Yeso formation underlying the E/2W/2 of Section 21 to form a non-standard 160 acre oil spacing and proration unit (project area), for all pools or formations developed on 40 acre spacing within that vertical extent. The units are to be dedicated to the Pine Box 21 CN Fed. Com. Well No. 1H, a horizontal well with a surface location in the NE/4NW/4, and a terminus in the SE/4SW/4, of Section 21.

(c) The parties being pooled and their working interests in the non-standard well unit are as follows:

Georgia Needham

Oil Conservation Division
Case No. _____
Exhibit No. 1

$0.143480\% \times \$1,103,900 = \2444.76
Total well cost

Billy Joe Green	<u>0.017935%</u> = \$705.59
Harold Parrish	<u>0.086088%</u> = \$1466.85
Wray J. Shildneck and wife Nina Shildneck	<u>0.068871%</u> = \$1173.49
Lois Green, a widow and the Heirs or Devisees of Robert Richard Green	<u>0.017935%</u> = \$305.59
Nora Agnes Cockrum	<u>0.025826%</u> = \$440.05
Jo Ann Allen	<u>0.028696%</u> = \$488.95
Alan G. Needham	<u>0.053805%</u> = \$916.78
Barbara Daniel	<u>0.028696%</u> = \$488.95
Heirs or Devisees of R.A. Williams	<u>0.568182%</u> = \$916.78 \$9681.25
Helen M. Needham	<u>0.027548%</u> = \$469.39
Minnie Cothran	<u>0.028696%</u> = \$488.95
Ben Richard Green	<u>0.011957%</u> = \$203.74
Heirs or Devisees of Martin Douglas Hardcastle	<u>0.034435%</u> = \$586.74
Martin Douglas Hardcastle, Jr.	<u>0.034435%</u> = \$586.74
Heirs or Devisees of Evelyn Barnett	<u>0.034435%</u> = \$586.74
Heirs or Devisees of Torita Ross	<u>0.034435%</u> = \$586.74
Heirs or Devisees of Leola Needham Watson	<u>0.143480%</u> = \$2444.76
Ruth E. Hinman	<u>0.505051%</u> = \$8604.87
J.E. Doud, Jr. (possible heir: Jean E. Doud)	<u>0.505051%</u> = \$8604.87

Ella J. Owens	<u>1.515152%</u> = \$25,816.67
Eva D. Donaldson	<u>1.515152%</u> = \$25,816.67
George James Steele	<u>0.047827%</u> = \$814.92
Minnie Laverne Steele Drew	<u>0.047827%</u> = \$814.92
Robert Epperson	<u>0.505051%</u> = \$8604.87
Kenneth Jones	<u>0.028409%</u> = \$484.06
Cathy Jones	<u>0.018939%</u> = \$322.70
Robin Hall	<u>0.028409%</u> = \$484.06
Georgia E. Kotlinski (possible heir: Melvin Burke)	<u>0.505051%</u> = \$8604.87

A list of the above owners who have last known addresses is attached hereto as Exhibit B. All other interest owners have no known address.

(d) Copies of the proposal letters sent to the uncommitted working interest owners with last known addresses are attached hereto as Exhibit C. In addition, several phone calls have been made to the locatable interest owners.

(e) In an attempt to find the mineral interest owners, Mewbourne Oil Company examined the Eddy County records, telephone directories and records in the counties of the last known residences of the interest owners, and internet directories. Applicant has made a good faith effort to locate and obtain the voluntary joinder of all interest owners.

(f) Pursuant to Division rules, applicant requests that a 200% risk charge be assessed against a non-consenting working interest owner.

(g) A copy of the Authority for Expenditure for the proposed well is attached hereto as Exhibit D. The drilling and completion costs set forth therein are fair and reasonable, and are comparable to those of other wells of this depth drilled in this area of Eddy County.

(h) Overhead charges of \$7000/month for a drilling well, and \$700/month for a producing well, are requested. These rates are fair and reasonable, and are in line with rates charged by other operators in this area for wells of this depth. Applicant also requests that the order contain a provision adjusting the rates pursuant to the COPAS accounting procedure.

Mewbourne Oil Company

Location: Eddy County, NM
Field: (Pine) Sec 21, T20S, R25E
Facility: Pine Box 21 CN Fed Com No. 1H

Slot: No. 1H SHL
Well: No. 1H
Wellbore: No. 1H PWB

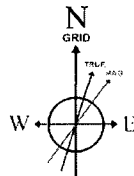
Well Profile Data

Design Comment	MD (ft)	Inc (°)	Az (°)	TVD (ft)	Local N (ft)	Local E (ft)	DLS (°/100ft)	VS (ft)
Tie On	0.00	0.000	180.008	0.00	0.00	0.00	0.00	0.00
EST. KOP	2126.00	0.000	180.008	2126.00	0.00	0.00	0.00	0.00
END OF CURVE	3025.31	89.931	180.008	2698.96	-572.27	-0.08	10.00	572.27
No. 2H PBHL	7210.28	89.931	180.008	2704.00	-4757.24	-0.65	0.00	4757.24



Mewbourne Oil Company

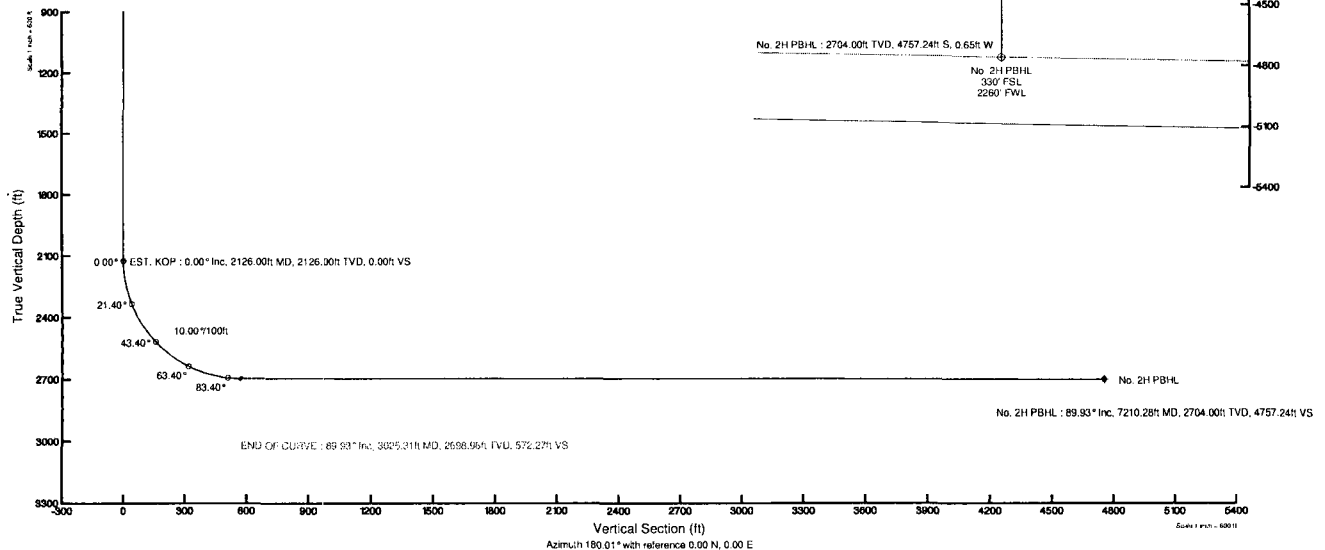
Plot reference wellpath is: PWBHL-4	Grid System: NAD27 / TM New Mexico State Planes, Eastern Zone (3001), US feet
True vertical depths are referenced to Rq 101 on No. 1H SHL (KB)	North Reference: Grid north
Measured depths are referenced to Rq 101 on No. 1H SHL (KB)	Scale: True distance
Rq 101 on No. 1H SHL (KB) to Mean Sea Level: 3576 feet	Depths are in feet
Mean Sea Level to Mud line (Facility: Pine Box 21 CN Fed Com No. 1H): -3458 feet	Created by: Victor Hernandez on 8/9/2010
Coordinates are in feet, referenced to 360°	



BGGM (1945.0 to 2011.0) Dip: 60.35° Field: 48845 nT
Magnetic North is 8.24 degrees East of True North (at 8/5/2010)
Grid North is 0.08 degrees West of True North

To correct azimuth from True to Grid add 0.08 degrees
To correct azimuth from Magnetic to Grid add 8.32 degrees

For example: if the Magnetic North Azimuth = 90 degs, then the Grid North Azimuth = 90 + 8.32 = 98.32



Planned Wellpath Report

 Mewbourne Oil Company

Prelim_4
Page 1 of 4



REFERENCE WELLPATH IDENTIFICATION			
Operator	Mewbourne Oil Company	Slot	No. 1H SHL
Area	Eddy County, NM	Well	No. 1H
Field	(Pine) Sec 21, T20S, R25E	Wellbore	No. 1H PWB
Facility	Pine Box 21 CN Fed Com No. 1H		

REPORT SETUP INFORMATION			
Projection System	NAD27 / TM New Mexico State Planes, Eastern Zone (3001), US feet	Software System	WellArchitect® 2.0
North Reference	Grid	User	Victor Hernandez
Scale	0.999912	Report Generated	8/9/2010 at 2:49:37 PM
Convergence at slot	0.08° West	Database/Source file	WA_Midland/No. 1H_PWB.xml

WELLPATH LOCATION						
	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[USft]	Northing[USft]	Latitude	Longitude
Slot Location	0.00	0.00	451611.25	569534.31	32°33'56.372"N	104°29'25.442"W
Facility Reference Pt			451611.25	569534.31	32°33'56.372"N	104°29'25.442"W
Field Reference Pt			451151.80	569344.15	32°33'54.483"N	104°29'30.808"W

WELLPATH DATUM			
Calculation method	Minimum curvature	Rig 101 on No. 1H SHL (KB) to GL	16.00ft
Horizontal Reference Pt	Slot	Rig 101 on No. 1H SHL (KB) to Mean Sea Level	3474.00ft
Vertical Reference Pt	Rig 101 on No. 1H SHL (KB)	GL to Mud Line (Facility)	0.00ft
MD Reference Pt	Rig 101 on No. 1H SHL (KB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	180.01°

Planned Wellpath Report

 Mewbourne Oil Company

Prelim_4
Page 2 of 4



REFERENCE WELLPATH IDENTIFICATION

Operator	Mewbourne Oil Company	Slot	No. 1H SHL
Area	Eddy County, NM	Well	No. 1H
Field	(Pine) Sec 21, T20S, R25E	Wellbore	No. 1H PWB
Facility	Pine Box 21 CN Fed Com No. 1H		

WELLPATH DATA (54 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [srv ft]	Grid North [srv ft]	Latitude	Longitude	DLS [°/100ft]	Comments
0.00	0.000	180.008	0.00	0.00	0.00	0.00	451611.24	569534.31	32°33'56.372"N	104°29'25.442"W	0.00	Tie On
2126.00	0.000	180.008	2126.00	0.00	0.00	0.00	451611.24	569534.31	32°33'56.372"N	104°29'25.442"W	0.00	EST. KOP
2226.00†	10.000	180.008	2225.49	8.70	-8.70	0.00	451611.24	569525.61	32°33'56.286"N	104°29'25.442"W	10.00	
2326.00†	20.000	180.008	2321.96	34.55	-34.55	0.00	451611.24	569499.76	32°33'56.030"N	104°29'25.442"W	10.00	
2426.00†	30.000	180.008	2412.48	76.76	-76.76	-0.01	451611.23	569457.55	32°33'55.612"N	104°29'25.441"W	10.00	
2526.00†	40.000	180.008	2494.29	134.05	-134.05	-0.02	451611.23	569400.27	32°33'55.045"N	104°29'25.440"W	10.00	
2626.00†	50.000	180.008	2564.91	204.67	-204.67	-0.03	451611.22	569329.66	32°33'54.347"N	104°29'25.439"W	10.00	
2726.00†	60.000	180.008	2622.20	286.48	-286.48	-0.04	451611.21	569247.86	32°33'53.537"N	104°29'25.438"W	10.00	
2826.00†	70.000	180.008	2664.40	376.99	-376.99	-0.05	451611.19	569157.35	32°33'52.641"N	104°29'25.436"W	10.00	
2926.00†	80.000	180.008	2690.25	473.46	-473.46	-0.06	451611.18	569060.89	32°33'51.687"N	104°29'25.435"W	10.00	
3025.31	89.931	180.008	2698.96	572.27	-572.27	-0.08	451611.17	568962.09	32°33'50.709"N	104°29'25.433"W	10.00	END OF CURVE
3026.00†	89.931	180.008	2698.96	572.96	-572.96	-0.08	451611.17	568961.40	32°33'50.702"N	104°29'25.433"W	0.00	
3126.00†	89.931	180.008	2699.08	672.96	-672.96	-0.09	451611.15	568861.41	32°33'49.713"N	104°29'25.432"W	0.00	
3226.00†	89.931	180.008	2699.20	772.96	-772.96	-0.10	451611.14	568761.42	32°33'48.723"N	104°29'25.430"W	0.00	
3326.00†	89.931	180.008	2699.32	872.96	-872.96	-0.12	451611.13	568661.43	32°33'47.734"N	104°29'25.428"W	0.00	
3426.00†	89.931	180.008	2699.44	972.96	-972.96	-0.13	451611.11	568561.44	32°33'46.744"N	104°29'25.427"W	0.00	
3526.00†	89.931	180.008	2699.56	1072.96	-1072.96	-0.15	451611.10	568461.45	32°33'45.755"N	104°29'25.425"W	0.00	
3626.00†	89.931	180.008	2699.68	1172.96	-1172.96	-0.16	451611.09	568361.46	32°33'44.765"N	104°29'25.424"W	0.00	
3726.00†	89.931	180.008	2699.80	1272.96	-1272.96	-0.17	451611.07	568261.47	32°33'43.776"N	104°29'25.422"W	0.00	
3826.00†	89.931	180.008	2699.92	1372.96	-1372.96	-0.19	451611.06	568161.48	32°33'42.786"N	104°29'25.421"W	0.00	
3926.00†	89.931	180.008	2700.04	1472.96	-1472.96	-0.20	451611.05	568061.48	32°33'41.797"N	104°29'25.419"W	0.00	
4026.00†	89.931	180.008	2700.16	1572.96	-1572.96	-0.21	451611.03	567961.49	32°33'40.807"N	104°29'25.417"W	0.00	
4126.00†	89.931	180.008	2700.28	1672.96	-1672.96	-0.23	451611.02	567861.50	32°33'39.818"N	104°29'25.416"W	0.00	
4226.00†	89.931	180.008	2700.40	1772.96	-1772.96	-0.24	451611.00	567761.51	32°33'38.829"N	104°29'25.414"W	0.00	
4326.00†	89.931	180.008	2700.52	1872.96	-1872.96	-0.25	451610.99	567661.52	32°33'37.839"N	104°29'25.413"W	0.00	
4426.00†	89.931	180.008	2700.65	1972.96	-1972.96	-0.27	451610.98	567561.53	32°33'36.850"N	104°29'25.411"W	0.00	
4526.00†	89.931	180.008	2700.77	2072.96	-2072.96	-0.28	451610.96	567461.54	32°33'35.860"N	104°29'25.410"W	0.00	
4626.00†	89.931	180.008	2700.89	2172.96	-2172.96	-0.29	451610.95	567361.55	32°33'34.871"N	104°29'25.408"W	0.00	
4726.00†	89.931	180.008	2701.01	2272.96	-2272.96	-0.31	451610.94	567261.56	32°33'33.881"N	104°29'25.406"W	0.00	
4826.00†	89.931	180.008	2701.13	2372.96	-2372.96	-0.32	451610.92	567161.57	32°33'32.892"N	104°29'25.405"W	0.00	

Planned Wellpath Report

 Mewbourne Oil Company

Prelim_4
Page 3 of 4



REFERENCE WELLPATH IDENTIFICATION			
Operator	Mewbourne Oil Company	Slot	No. 1H SHL
Area	Eddy County, NM	Well	No. 1H
Field	(Pine) Sec 21, T20S, R25E	Wellbore	No. 1H PWB
Facility	Pine Box 21 CN Fed Com No. 1H		

WELLPATH DATA (54 stations) † = interpolated/extrapolated station												
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [srv ft]	Grid North [srv ft]	Latitude	Longitude	DLS [°/100ft]	Comments
4926.00†	89.931	180.008	2701.25	2472.96	-2472.96	-0.34	451610.91	567061.58	32°33'31.902"N	104°29'25.403"W	0.00	
5026.00†	89.931	180.008	2701.37	2572.96	-2572.96	-0.35	451610.90	566961.58	32°33'30.913"N	104°29'25.402"W	0.00	
5126.00†	89.931	180.008	2701.49	2672.96	-2672.96	-0.36	451610.88	566861.59	32°33'29.923"N	104°29'25.400"W	0.00	
5226.00†	89.931	180.008	2701.61	2772.96	-2772.96	-0.38	451610.87	566761.60	32°33'28.934"N	104°29'25.399"W	0.00	
5326.00†	89.931	180.008	2701.73	2872.96	-2872.96	-0.39	451610.86	566661.61	32°33'27.944"N	104°29'25.397"W	0.00	
5426.00†	89.931	180.008	2701.85	2972.96	-2972.96	-0.40	451610.84	566561.62	32°33'26.955"N	104°29'25.396"W	0.00	
5526.00†	89.931	180.008	2701.97	3072.96	-3072.96	-0.42	451610.83	566461.63	32°33'25.965"N	104°29'25.394"W	0.00	
5626.00†	89.931	180.008	2702.09	3172.96	-3172.96	-0.43	451610.81	566361.64	32°33'24.976"N	104°29'25.392"W	0.00	
5726.00†	89.931	180.008	2702.21	3272.96	-3272.96	-0.44	451610.80	566261.65	32°33'23.986"N	104°29'25.391"W	0.00	
5826.00†	89.931	180.008	2702.33	3372.96	-3372.96	-0.46	451610.79	566161.66	32°33'22.997"N	104°29'25.389"W	0.00	
5926.00†	89.931	180.008	2702.45	3472.96	-3472.96	-0.47	451610.77	566061.67	32°33'22.007"N	104°29'25.388"W	0.00	
6026.00†	89.931	180.008	2702.57	3572.96	-3572.96	-0.48	451610.76	565961.68	32°33'21.018"N	104°29'25.386"W	0.00	
6126.00†	89.931	180.008	2702.69	3672.96	-3672.96	-0.50	451610.75	565861.68	32°33'20.028"N	104°29'25.385"W	0.00	
6226.00†	89.931	180.008	2702.81	3772.96	-3772.96	-0.51	451610.73	565761.69	32°33'19.039"N	104°29'25.383"W	0.00	
6326.00†	89.931	180.008	2702.93	3872.96	-3872.96	-0.53	451610.72	565661.70	32°33'18.049"N	104°29'25.381"W	0.00	
6426.00†	89.931	180.008	2703.05	3972.96	-3972.96	-0.54	451610.71	565561.71	32°33'17.060"N	104°29'25.380"W	0.00	
6526.00†	89.931	180.008	2703.18	4072.96	-4072.96	-0.55	451610.69	565461.72	32°33'16.070"N	104°29'25.378"W	0.00	
6626.00†	89.931	180.008	2703.30	4172.96	-4172.96	-0.57	451610.68	565361.73	32°33'15.081"N	104°29'25.377"W	0.00	
6726.00†	89.931	180.008	2703.42	4272.96	-4272.96	-0.58	451610.67	565261.74	32°33'14.091"N	104°29'25.375"W	0.00	
6826.00†	89.931	180.008	2703.54	4372.96	-4372.96	-0.59	451610.65	565161.75	32°33'13.102"N	104°29'25.374"W	0.00	
6926.00†	89.931	180.008	2703.66	4472.95	-4472.95	-0.61	451610.64	565061.76	32°33'12.112"N	104°29'25.372"W	0.00	
7026.00†	89.931	180.008	2703.78	4572.95	-4572.95	-0.62	451610.62	564961.77	32°33'11.123"N	104°29'25.370"W	0.00	
7126.00†	89.931	180.008	2703.90	4672.95	-4672.95	-0.63	451610.61	564861.78	32°33'10.133"N	104°29'25.369"W	0.00	
7210.28	89.931	180.008	2704.00†	4757.24	-4757.24	-0.65	451610.60	564777.50	32°33'09.299"N	104°29'25.368"W	0.00	No. 2H PBHL

Planned Wellpath Report

 Mewbourne Oil Company

Prelim_4
Page 4 of 4



REFERENCE WELLPATH IDENTIFICATION

Operator	Mewbourne Oil Company	Slot	No. 1H SHL
Area	Eddy County, NM	Well	No. 1H
Field	(Pine) Sec 21, T20S, R25E	Wellbore	No. 1H PWB
Facility	Pine Box 21 CN Fed Com No. 1H		

TARGETS

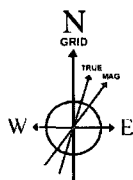
Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [srv ft]	Grid North [srv ft]	Latitude	Longitude	Shape
1) No. 2H PBHL	7210.28	2704.00	-4757.24	-0.65	451610.60	564777.50	32°33'09.299"N	104°29'25.368"W	point

SURVEY PROGRAM Ref Wellbore: No. 1H PWB Ref Wellpath: Prelim_4

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
16.00	7210.28	NaviTrak (Standard)		No. 1H PWB

Well Profile Data

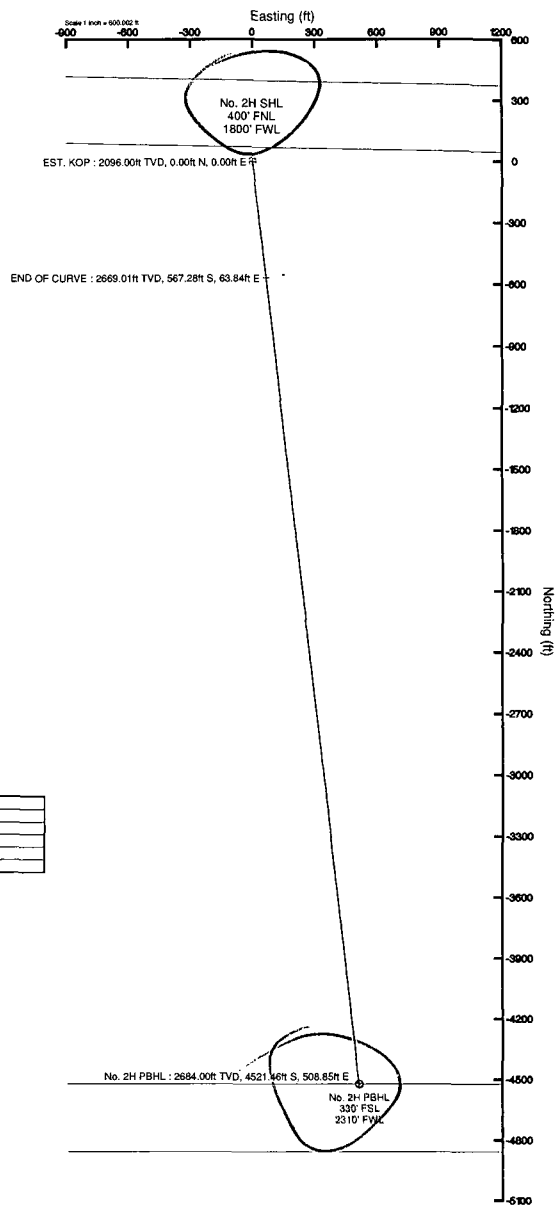
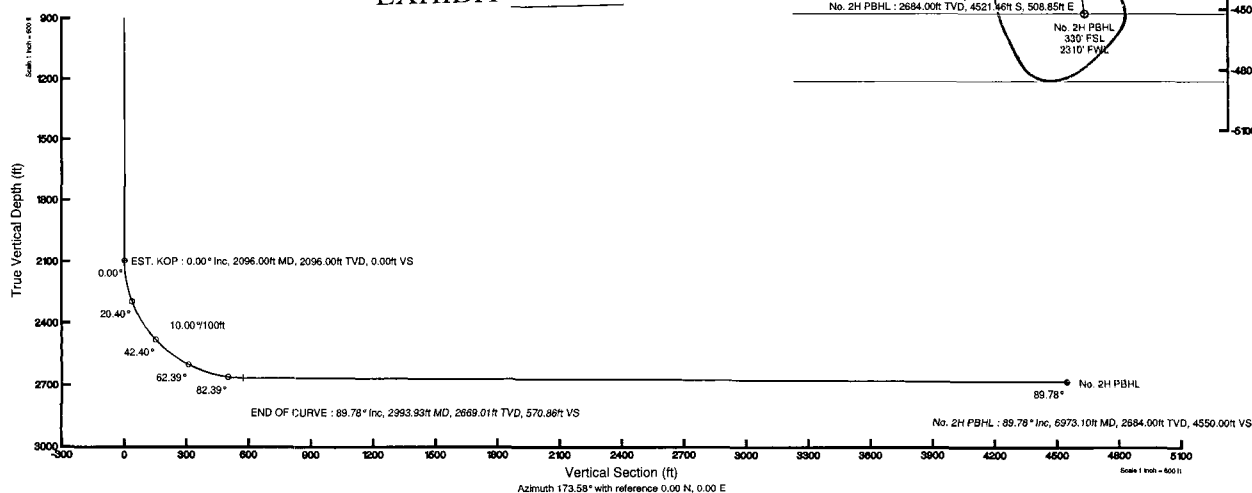
Design Comment	MD (ft)	Inc (°)	Az (°)	TVD (ft)	Local N (ft)	Local E (ft)	DLS (°/100ft)	VS (ft)
Tie On	0.00	0.000	173.579	0.00	0.00	0.00	0.00	0.00
EST. KOP	2096.00	0.000	173.579	2096.00	0.00	0.00	0.00	0.00
END OF CURVE	2993.93	89.784	173.579	2669.01	-567.28	63.84	10.00	570.86
No. 2H PBHL	6973.10	89.784	173.579	2684.00	-4521.46	508.85	0.00	4550.00



BGGM (1945.0 to 2011.0) Dip: 60.38° Field: 48876.9 nT
Magnetic North is 8.20 degrees East of True North (at 6/2/2010)
Grid North is 0.09 degrees West of True North
To correct azimuth from True to Grid add 0.09 degrees
To correct azimuth from Magnetic to Grid add 8.29 degrees
For example: if the Magnetic North Azimuth = 90 degs, then the Grid North Azimuth = 90 + 8.29 = 98.29

Plot reference wellpath is Prelim_2	Grid System: NAD83 / TM New Mexico State Planes, Eastern Zone (3001), US feet
True vertical depths are referenced to Rig 63 on No. 2H SHL (KB)	North Reference: Grid north
Measured depths are referenced to Rig 63 on No. 2H SHL (KB)	Scale: True distance
Rig 63 on No. 2H SHL (KB) to Mean Sea Level: 3474 feet	Depths are in feet
Mean Sea Level to Mud line (Facility: Pine Box 21 CN Fed Com No. 2H): -3480 feet	Created by: Victor Hernandez on 6/8/2010
Coordinates are in feet referenced to Slot	

EXHIBIT



Planned Wellpath Report

Prelim_2
Page 1 of 4



REFERENCE WELLPATH IDENTIFICATION			
Operator	Mewbourne Oil Company	Slot	No. 2H SHL
Area	Eddy County, NM	Well	No. 2H
Field	(Pine) Sec 21, T20S, R25E	Wellbore	No. 2H PWB
Facility	Pine Box 21 CN Fed Com No. 2H		

REPORT SETUP INFORMATION			
Projection System	NAD27 / TM New Mexico State Planes, Eastern Zone (3001), US feet	Software System	WellArchitect@ 2.0
North Reference	Grid	User	Victor Hernandez
Scale	0.999912	Report Generated	6/8/2010 at 11:29:09 AM
Convergence at slot	0.09° West	Database/Source file	WA_Midland/No. 2H_PWB.xml

WELLPATH LOCATION						
	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[USft]	Northing[USft]	Latitude	Longitude
Slot Location	0.00	0.00	451151.80	569344.15	32°33'54.483"N	104°29'30.808"W
Facility Reference Pt			451151.80	569344.15	32°33'54.483"N	104°29'30.808"W
Field Reference Pt			451151.80	569344.15	32°33'54.483"N	104°29'30.808"W

WELLPATH DATUM			
Calculation method	Minimum curvature	Rig 63 on No. 2H SHL (KB) to GL	14.00ft
Horizontal Reference Pt	Slot	Rig 63 on No. 2H SHL (KB) to Mean Sea Level	3474.00ft
Vertical Reference Pt	Rig 63 on No. 2H SHL (KB)	GL to Mud Line (Facility)	0.00ft
MD Reference Pt	Rig 63 on No. 2H SHL (KB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	173.58°

Planned Wellpath Report

 Mewbourne Oil Company

Prelim_2
Page 2 of 4



REFERENCE WELLPATH IDENTIFICATION

Operator	Mewbourne Oil Company	Slot	No. 2H SHL
Area	Eddy County, NM	Well	No. 2H
Field	(Pine) Sec 21, T20S, R25E	Wellbore	No. 2H PWB
Facility	Pine Box 21 CN Fed Com No. 2H		

WELLPATH DATA (52 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [srv ft]	Grid North [srv ft]	Latitude	Longitude	DLS [°/100ft]	Comments
0.00	0.000	173.579	0.00	0.00	0.00	0.00	451151.80	569344.15	32°33'54.483"N	104°29'30.808"W	0.00	Tie On
2096.00	0.000	173.579	2096.00	0.00	0.00	0.00	451151.80	569344.15	32°33'54.483"N	104°29'30.808"W	0.00	EST. KOP
2196.00†	9.999	173.579	2195.49	8.70	-8.65	0.97	451152.77	569335.50	32°33'54.398"N	104°29'30.796"W	10.00	
2296.00†	19.998	173.579	2291.96	34.55	-34.33	3.86	451155.66	569309.82	32°33'54.144"N	104°29'30.762"W	10.00	
2396.00†	29.997	173.579	2382.48	76.75	-76.27	8.58	451160.38	569267.88	32°33'53.729"N	104°29'30.706"W	10.00	
2496.00†	39.996	173.579	2464.30	134.03	-133.19	14.99	451166.79	569210.97	32°33'53.166"N	104°29'30.630"W	10.00	
2596.00†	49.995	173.579	2534.92	204.65	-203.37	22.89	451174.68	569140.80	32°33'52.471"N	104°29'30.537"W	10.00	
2696.00†	59.994	173.579	2592.22	286.46	-284.66	32.04	451183.83	569059.52	32°33'51.667"N	104°29'30.428"W	10.00	
2796.00†	69.993	173.579	2634.43	376.97	-374.60	42.16	451193.95	568969.58	32°33'50.777"N	104°29'30.308"W	10.00	
2896.00†	79.992	173.579	2660.30	473.43	-470.46	52.95	451204.74	568873.73	32°33'49.829"N	104°29'30.181"W	10.00	
2993.93	89.784	173.579	2669.01	570.86	-567.28	63.84	451215.64	568776.93	32°33'48.871"N	104°29'30.052"W	10.00	END OF CURVE
2996.00†	89.784	173.579	2669.02	572.93	-569.33	64.07	451215.87	568774.87	32°33'48.851"N	104°29'30.049"W	0.00	
3096.00†	89.784	173.579	2669.40	672.92	-668.70	75.26	451227.05	568675.51	32°33'47.868"N	104°29'29.917"W	0.00	
3196.00†	89.784	173.579	2669.77	772.92	-768.08	86.44	451238.23	568576.14	32°33'46.884"N	104°29'29.784"W	0.00	
3296.00†	89.784	173.579	2670.15	872.92	-867.45	97.62	451249.41	568476.78	32°33'45.901"N	104°29'29.652"W	0.00	
3396.00†	89.784	173.579	2670.53	972.92	-966.82	108.81	451260.60	568377.42	32°33'44.918"N	104°29'29.519"W	0.00	
3496.00†	89.784	173.579	2670.90	1072.92	-1066.19	119.99	451271.78	568278.06	32°33'43.935"N	104°29'29.387"W	0.00	
3596.00†	89.784	173.579	2671.28	1172.92	-1165.56	131.17	451282.96	568178.69	32°33'42.952"N	104°29'29.255"W	0.00	
3696.00†	89.784	173.579	2671.66	1272.92	-1264.93	142.36	451294.14	568079.33	32°33'41.969"N	104°29'29.122"W	0.00	
3796.00†	89.784	173.579	2672.03	1372.92	-1364.31	153.54	451305.33	567979.97	32°33'40.986"N	104°29'28.990"W	0.00	
3896.00†	89.784	173.579	2672.41	1472.92	-1463.68	164.72	451316.51	567880.60	32°33'40.003"N	104°29'28.857"W	0.00	
3996.00†	89.784	173.579	2672.79	1572.92	-1563.05	175.91	451327.69	567781.24	32°33'39.020"N	104°29'28.725"W	0.00	
4096.00†	89.784	173.579	2673.16	1672.92	-1662.42	187.09	451338.87	567681.88	32°33'38.036"N	104°29'28.593"W	0.00	
4196.00†	89.784	173.579	2673.54	1772.92	-1761.79	198.27	451350.05	567582.51	32°33'37.053"N	104°29'28.460"W	0.00	
4296.00†	89.784	173.579	2673.92	1872.92	-1861.17	209.46	451361.24	567483.15	32°33'36.070"N	104°29'28.328"W	0.00	
4396.00†	89.784	173.579	2674.29	1972.92	-1960.54	220.64	451372.42	567383.79	32°33'35.087"N	104°29'28.196"W	0.00	
4496.00†	89.784	173.579	2674.67	2072.91	-2059.91	231.82	451383.60	567284.42	32°33'34.104"N	104°29'28.063"W	0.00	
4596.00†	89.784	173.579	2675.05	2172.91	-2159.28	243.01	451394.78	567185.06	32°33'33.121"N	104°29'27.931"W	0.00	
4696.00†	89.784	173.579	2675.42	2272.91	-2258.65	254.19	451405.97	567085.70	32°33'32.138"N	104°29'27.798"W	0.00	
4796.00†	89.784	173.579	2675.80	2372.91	-2358.03	265.37	451417.15	566986.34	32°33'31.155"N	104°29'27.666"W	0.00	

Planned Wellpath Report

Prelim_2

Page 3 of 4



REFERENCE WELLPATH IDENTIFICATION			
Operator	Mewbourne Oil Company	Slot	No. 2H SHL
Area	Eddy County, NM	Well	No. 2H
Field	(Pine) Sec 21, T20S, R25E	Wellbore	No. 2H PWB
Facility	Pine Box 21 CN Fed Com No. 2H		

WELLPATH DATA (52 stations) † = interpolated/extrapolated station												
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [srv ft]	Grid North [srv ft]	Latitude	Longitude	DLS [°/100ft]	Comments
4896.00†	89.784	173.579	2676.18	2472.91	-2457.40	276.56	451428.33	566886.97	32°33'30.172"N	104°29'27.534"W	0.00	
4996.00†	89.784	173.579	2676.55	2572.91	-2556.77	287.74	451439.51	566787.61	32°33'29.188"N	104°29'27.401"W	0.00	
5096.00†	89.784	173.579	2676.93	2672.91	-2656.14	298.92	451450.70	566688.25	32°33'28.205"N	104°29'27.269"W	0.00	
5196.00†	89.784	173.579	2677.31	2772.91	-2755.51	310.11	451461.88	566588.88	32°33'27.222"N	104°29'27.137"W	0.00	
5296.00†	89.784	173.579	2677.68	2872.91	-2854.89	321.29	451473.06	566489.52	32°33'26.239"N	104°29'27.004"W	0.00	
5396.00†	89.784	173.579	2678.06	2972.91	-2954.26	332.47	451484.24	566390.16	32°33'25.256"N	104°29'26.872"W	0.00	
5496.00†	89.784	173.579	2678.44	3072.91	-3053.63	343.66	451495.43	566290.79	32°33'24.273"N	104°29'26.739"W	0.00	
5596.00†	89.784	173.579	2678.81	3172.91	-3153.00	354.84	451506.61	566191.43	32°33'23.290"N	104°29'26.607"W	0.00	
5696.00†	89.784	173.579	2679.19	3272.91	-3252.37	366.02	451517.79	566092.07	32°33'22.307"N	104°29'26.475"W	0.00	
5796.00†	89.784	173.579	2679.57	3372.91	-3351.75	377.21	451528.97	565992.71	32°33'21.324"N	104°29'26.342"W	0.00	
5896.00†	89.784	173.579	2679.94	3472.90	-3451.12	388.39	451540.15	565893.34	32°33'20.340"N	104°29'26.210"W	0.00	
5996.00†	89.784	173.579	2680.32	3572.90	-3550.49	399.57	451551.34	565793.98	32°33'19.357"N	104°29'26.078"W	0.00	
6096.00†	89.784	173.579	2680.70	3672.90	-3649.86	410.76	451562.52	565694.62	32°33'18.374"N	104°29'25.945"W	0.00	
6196.00†	89.784	173.579	2681.07	3772.90	-3749.23	421.94	451573.70	565595.25	32°33'17.391"N	104°29'25.813"W	0.00	
6296.00†	89.784	173.579	2681.45	3872.90	-3848.61	433.12	451584.88	565495.89	32°33'16.408"N	104°29'25.680"W	0.00	
6396.00†	89.784	173.579	2681.83	3972.90	-3947.98	444.31	451596.07	565396.53	32°33'15.425"N	104°29'25.548"W	0.00	
6496.00†	89.784	173.579	2682.20	4072.90	-4047.35	455.49	451607.25	565297.16	32°33'14.442"N	104°29'25.416"W	0.00	
6596.00†	89.784	173.579	2682.58	4172.90	-4146.72	466.67	451618.43	565197.80	32°33'13.459"N	104°29'25.283"W	0.00	
6696.00†	89.784	173.579	2682.96	4272.90	-4246.09	477.86	451629.61	565098.44	32°33'12.475"N	104°29'25.151"W	0.00	
6796.00†	89.784	173.579	2683.33	4372.90	-4345.47	489.04	451640.80	564999.08	32°33'11.492"N	104°29'25.019"W	0.00	
6896.00†	89.784	173.579	2683.71	4472.90	-4444.84	500.22	451651.98	564899.71	32°33'10.509"N	104°29'24.886"W	0.00	
6973.10	89.784	173.579	2684.00 ¹	4550.00	-4521.46	508.85	451660.60	564823.10	32°33'09.751"N	104°29'24.784"W	0.00	No. 2H PBHL

Planned Wellpath Report

Prelim_2

Page 4 of 4



REFERENCE WELLPATH IDENTIFICATION

Operator	Mewbourne Oil Company	Slot	No. 2H SHL
Area	Eddy County, NM	Well	No. 2H
Field	(Pine) Sec 21, T20S, R25E	Wellbore	No. 2H PWB
Facility	Pine Box 21 CN Fed Com No. 2H		

TARGETS

Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [srv ft]	Grid North [srv ft]	Latitude	Longitude	Shape
1) No. 2H PBHL	6973.10	2684.00	-4521.46	508.85	451660.60	564823.10	32°33'09.751"N	104°29'24.784"W	point

SURVEY PROGRAM Ref Wellbore: No. 2H PWB Ref Wellpath: Prelim_2

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
14.00	6973.10	NaviTrak (Standard)		No. 2H PWB