

DATE IN <u>10-26-12</u>	SUSPENSE <u>11-15-12</u>	ENGINEER <u>DB</u>	LOGGED IN <u>10-28-12</u>	TYPE <u>NSL</u>	APP NO. <u>PDKB1230057946</u>
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ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -

1220 South St. Francis Drive, Santa Fe, NM 87505



RECEIVED OGD

NOV 26 A 10:41

Newbourne
Note BHE Fed #1

ADMINISTRATIVE APPLICATION CHECKLIST

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

Application Acronyms:

[NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication]
 [DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]
 [PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]
 [WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]
 [SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]
 [EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

[1] TYPE OF APPLICATION - Check Those Which Apply for [A]

[A] Location - Spacing Unit - Simultaneous Dedication

☒ NSL ☐ NSP ☐ SD

Check One Only for [B] or [C]

[B] Commingling - Storage - Measurement

☐ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM

[C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery

☐ WFX ☐ PMX ☐ SWD ☐ IPI ☐ EOR ☐ PPR

[D] Other: Specify _____

[2] NOTIFICATION REQUIRED TO: - Check Those Which Apply, or Does Not Apply

[A] ☐ Working, Royalty or Overriding Royalty Interest Owners

[B] ☒ Offset Operators, Leaseholders or Surface Owner

[C] ☐ Application is One Which Requires Published Legal Notice

[D] ☐ Notification and/or Concurrent Approval by BLM or SLO
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office

[E] ☒ For all of the above, Proof of Notification or Publication is Attached, and/or,

[F] ☐ Waivers are Attached

[3] SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.

[4] **CERTIFICATION:** I hereby certify that the information submitted with this application for administrative approval is **accurate** and **complete** to the best of my knowledge. I also understand that **no action** will be taken on this application until the required information and notifications are submitted to the Division.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

James Bruce

Print or Type Name

James Bruce

Signature

Attorney

Title

10/24/12

Date

jamesbruc@aol.com
e-mail Address

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

October 24, 2012

David Brooks
Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

Dear Mr. Brooks:

Pursuant to NMAC 19.15.15.13, Mewbourne Oil Company applies for approval of an unorthodox oil well location for the following well:

<u>Well:</u>	Norte 13 HE Fed. Well No. 1
<u>Surface location:</u>	1780 feet FNL & 330 feet FEL
<u>Bottom hole location:</u>	1780 feet FSL & 330 feet FWL
<u>Well unit (project area):</u>	N½ of Section 13, Township 19 South, Range 32 East, N.M.P.M., Lea County, New Mexico

The well will be drilled to a depth sufficient to test the Bone Spring formation (East Lusk Bone Spring Pool). Under Order No. R-4994, the pool is spaced on 160 acres, with wells to be located no closer than 660 feet to the outer boundary of the well unit. Attached as Exhibit A is a Form C-102.

** As 320 project area is off. Right?*

The unorthodox location will increase the productive length of the wellbore.

Attached as Exhibit B is a land plat. The offsets are as follows:

E/2 Sec. 14, except NE/4NE/4
Modano Oil & Gas LP
Raya Energy Corporation
Azalea Properties, Ltd.
Roy E. Guinnup

NE/4NE/4 Sec. 14

Nadel and Gussman Permian LLC

Richard K. Barr

Scott E. Wilson

W/2 Sec. 18

Mewbourne Oil Company

Notice of the application has been sent to the offsets, as reflected on Exhibit C.

Please contact me if you need any further information on this application.

Very truly yours,

A handwritten signature in black ink that reads "James Bruce". The signature is written in a cursive style with a large, looping initial "J".

James Bruce

Attorney for Mewbourne Oil Company

DISTRICT I
1625 N. French Dr., Hobbs, NM 88240
Phone (575) 393-6161 Fax: (575) 393-0720

DISTRICT II
811 S. First St., Artesia, NM 88210
Phone (505) 748-1283 Fax: (505) 748-9720

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone (505) 334-6178 Fax: (505) 334-6170

DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised August 1, 2011

Submit one copy to appropriate
District Office

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-40588	Pool Code 41442	Pool Name Lusk Plant Bone Spring
Property Code	Property Name NORTE 13 HE Fed	Well Number 1H
OGRID No. 14744	Operator Name MEWBOURNE OIL COMPANY	Elevation 3637'

Surface Location

UL or lot No. H	Section 13	Township 19 S	Range 32 E	Lot Idn	Feet from the 1780	North/South line NORTH	Feet from the 330	East/West line EAST	County LEA
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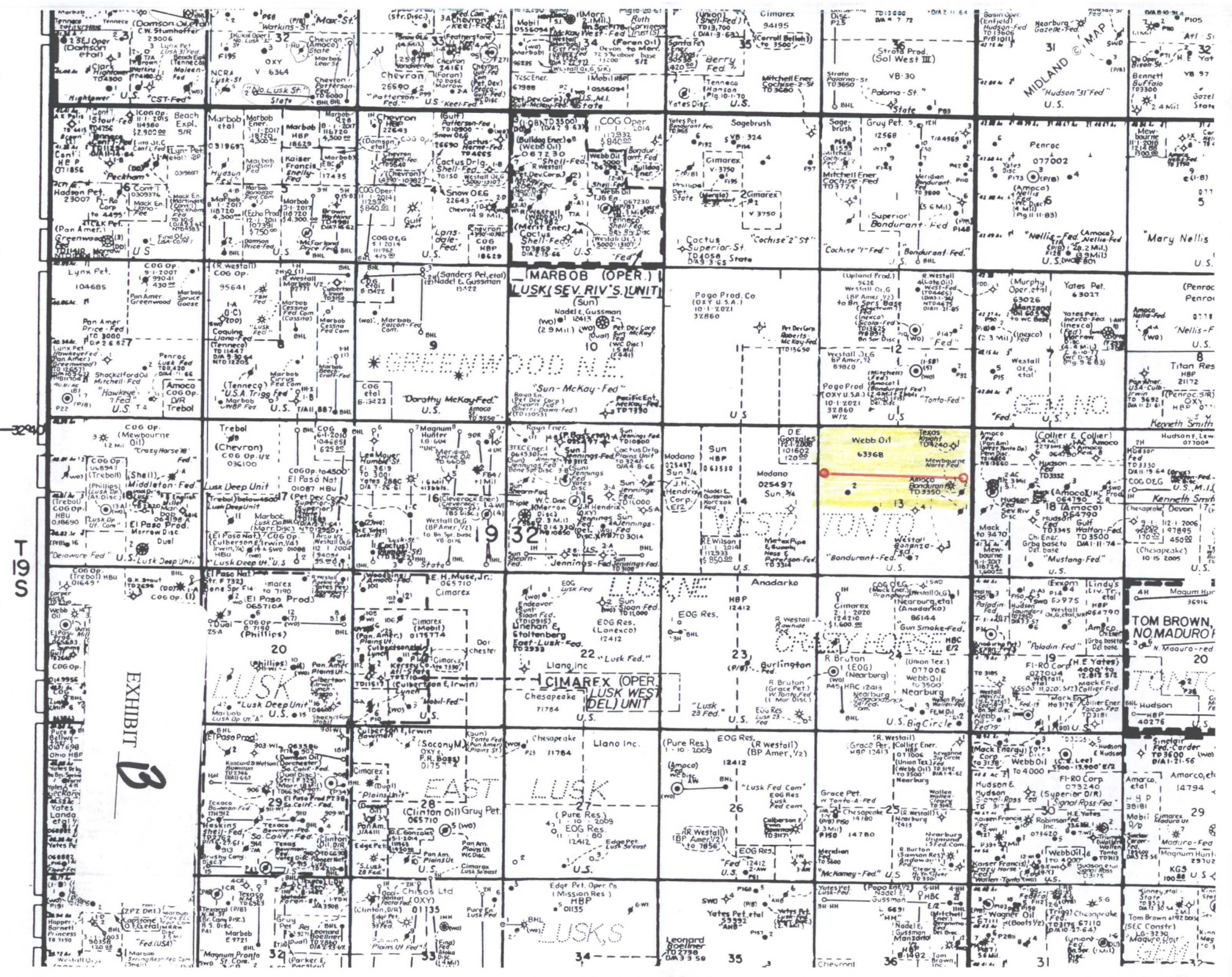
Bottom Hole Location If Different From Surface

UL or lot No. E	Section 13	Township 19 S	Range 32 E	Lot Idn	Feet from the 1780	North/South line North	Feet from the 330	East/West line West	County Lea
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Dedicated Acres 320	Joint or Infill	Consolidation Code	Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

EXHIBIT A	OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. Brett Bednarz 2-9-12 Signature Date Brett Bednarz Printed Name Email Address SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision and that the same is true and correct to the best of my belief. JANUARY 18, 2012 Date Surveyed GARY L. JONES Signature & Seal of Professional Surveyor 7977 Professional Surveyor No. 26037 Certificate No. GARY L. JONES 7977 7977 BASIN SURVEYS 26037
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JAMES BRUCE
ATTORNEY AT LAW

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SANTA FE, NEW MEXICO 87504

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SANTA FE, NEW MEXICO 87501

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

jamesbruc@aol.com

October 24, 2012

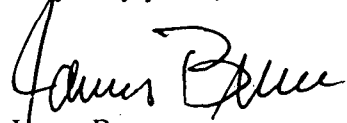
CERTIFIED MAIL – RETURN RECEIPT REQUESTED

To: Persons on Exhibit A

Ladies and gentlemen:

Mewbourne Oil Company has filed an application with the New Mexico Oil Conservation Division seeking an unorthodox oil well location in the N½ of Section 13, Township 19 South, Range 32 East, N.M.P.M., Lea County, New Mexico. A copy of the application is enclosed. You are an offset operator or interest owner. If you object to the application, you must notify the Division in writing no later than 20 days from the date of this letter (the Division's address is 1220 South St. Francis Drive, Santa Fe, New Mexico 87505). Failure to object will preclude you from contesting this matter at a later date.

Very truly yours,



James Bruce

Attorney for Mewbourne Oil Company

EXHIBIT

C

Exhibit A

Modano Oil & Gas LP
Suite 1830
301 Commerce Street
Fort Worth, Texas 76102

Raya Energy Corporation
1703 Edelweiss Drive
Cedar Park, Texas 78613

Azalea Properties, Ltd.
Suite 400
2305 Cedar Springs Road
Dallas, Texas 75201

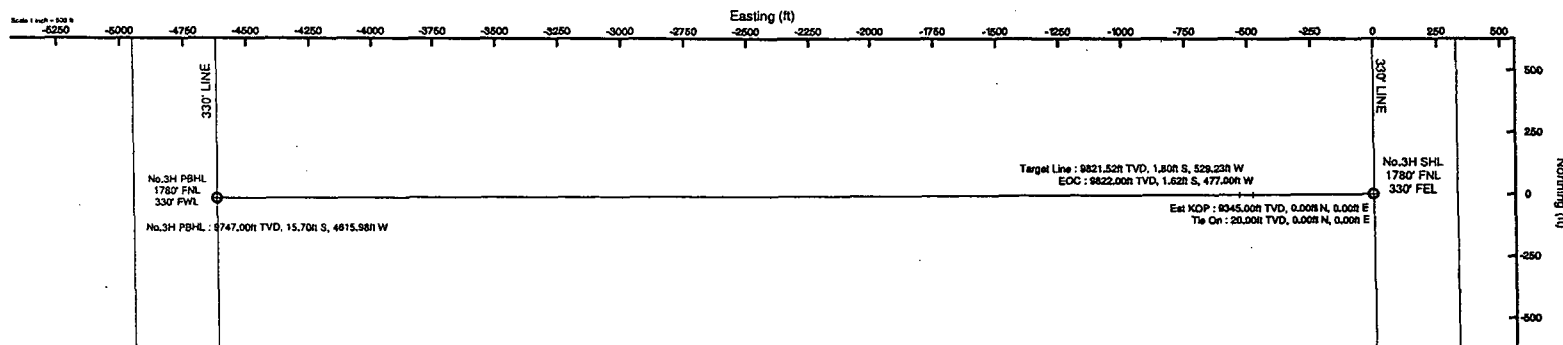
Roy E. Guinnup
Suite 1830
301 Commerce Street
Fort Worth, Texas 76102

Nadel and Gussman Permian LLC
Suite 508
601 North Marienfeld
Midland, Texas 79701

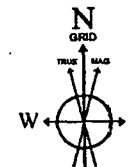
Richard K. Barr
Scott E. Wilson
Suite 1220
500 West Texas
Midland, Texas 79701

Well Profile Data

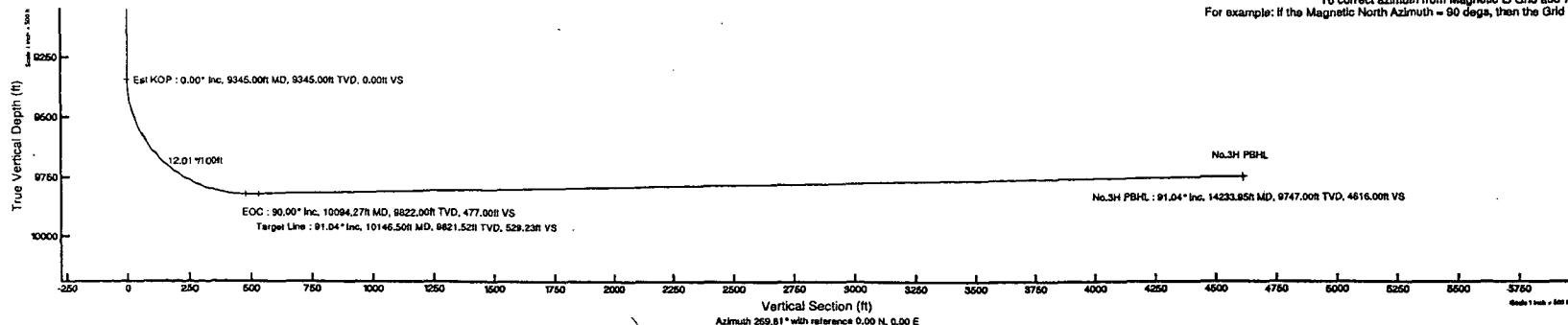
Design Comment	MD (ft)	Inc (°)	Az (°)	TVD (ft)	Local N (ft)	Local E (ft)	DLS (°/100ft)	VS (ft)
Tie On	20.00	0.000	269.805	20.00	0.00	0.00	0.00	0.00
Est KOP	9345.00	0.000	269.805	9345.00	0.00	0.00	0.00	0.00
EOC	10094.27	90.000	269.805	9822.00	-1.62	-477.00	12.01	477.00
Target Line	10146.50	91.045	269.805	9821.52	-1.80	-529.23	2.00	529.23
No.3H PBHL	14233.95	91.045	269.805	9747.00	-15.70	-4615.98	0.00	4616.00



Plot reference wellpath is Prelim_2	
True vertical depths are referenced to Rig on No.3H SHL (KB)	Grid System: NAD27 / TM New Mexico SP, Eastern Zone (3001), US feet
Measured depths are referenced to Rig on No.3H SHL (KB)	North Reference: Grid north
Rig on No.3H SHL (KB) to Mean Sea Level: 3657 feet	Scale: True distance
Mean Sea Level to Mud line (At Slot: No.3H SHL): -3637 feet	Depths are in feet
Coordinates are in feet referenced to Slot	Created by: genibry on 1/30/2012



BGGM (1945.0 to 2013.0) Dip: 60.53° Field: 48811.8 nT
Magnetic North is 7.68 degrees East of True North (at 1/27/2012)
Grid North is 0.34 degrees East of True North
To correct azimuth from True to Grd subtract 0.34 degrees
To correct azimuth from Magnetic to Grid add 7.35 degrees
For example: if the Magnetic North Azimuth = 90 degs, then the Grid North Azimuth = 90 + 7.35 = 97.35



Planned Wellpath Report

Prelim_2
Page 1 of 5



REFERENCE WELLPATH IDENTIFICATION

Operator	Mewbourne Oil Company	Slot	No.3H SHL
Area	Lea County, NM	Well	No.3H
Field	(Norte) Sec 13, T19S, R32E	Wellbore	No.3H PWB
Facility	Norte 13 Fed Com No.3H		

REPORT SETUP INFORMATION

Projection System	NAD27 / TM New Mexico SP, Eastern Zone (3001), US feet	Software System	WellArchitect® 3.0.0
North Reference	Grid	User	Gentbry
Scale	0.999951	Report Generated	1/30/2012 at 6:26:41 AM
Convergence at slot	0.34° East	Database/Source file	WA Midland/No.3H_PWB.xml

WELLPATH LOCATION

	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	0.00	0.00	691290.14	605306.90	32°39'45.180"N	103°42'42.307"W
Facility Reference Pt			691290.14	605306.90	32°39'45.180"N	103°42'42.307"W
Field Reference Pt			691290.14	605306.90	32°39'45.180"N	103°42'42.307"W

WELLPATH DATUM

Calculation method	Minimum curvature	Rig on No.3H SHL (KB) to Facility Vertical Datum	20.00ft
Horizontal Reference Pt	Slot	Rig on No.3H SHL (KB) to Mean Sea Level	3657.00ft
Vertical Reference Pt	Rig on No.3H SHL (KB)	Rig on No.3H SHL (KB) to Mud Line at Slot (No.3H SHL)	20.00ft
MD Reference Pt	Rig on No.3H SHL (KB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	269.81°

Planned Wellpath Report

Prelim_2
Page 2 of 5

REFERENCE WELLPATH IDENTIFICATION

Operator	Mewbourne Oil Company	Slot	No.3H SHL
Area	Lea County, NM	Well	No.3H
Field	(Norte) Sec 13, T19S, R32E	Wellbore	No.3H PWB
Facility	Norte 13 Fed Com No.3H		

WELLPATH DATA (148 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Comments
0.00†	0.000	269.805	0.00	0.00	0.00	0.00	691290.14	605306.90	32°39'45.180"N	103°42'42.307"W	0.00	
20.00	0.000	269.805	20.00	0.00	0.00	0.00	691290.14	605306.90	32°39'45.180"N	103°42'42.307"W	0.00	Tie On
120.00†	0.000	269.805	120.00	0.00	0.00	0.00	691290.14	605306.90	32°39'45.180"N	103°42'42.307"W	0.00	
220.00†	0.000	269.805	220.00	0.00	0.00	0.00	691290.14	605306.90	32°39'45.180"N	103°42'42.307"W	0.00	
320.00†	0.000	269.805	320.00	0.00	0.00	0.00	691290.14	605306.90	32°39'45.180"N	103°42'42.307"W	0.00	
420.00†	0.000	269.805	420.00	0.00	0.00	0.00	691290.14	605306.90	32°39'45.180"N	103°42'42.307"W	0.00	
520.00†	0.000	269.805	520.00	0.00	0.00	0.00	691290.14	605306.90	32°39'45.180"N	103°42'42.307"W	0.00	
620.00†	0.000	269.805	620.00	0.00	0.00	0.00	691290.14	605306.90	32°39'45.180"N	103°42'42.307"W	0.00	
720.00†	0.000	269.805	720.00	0.00	0.00	0.00	691290.14	605306.90	32°39'45.180"N	103°42'42.307"W	0.00	
820.00†	0.000	269.805	820.00	0.00	0.00	0.00	691290.14	605306.90	32°39'45.180"N	103°42'42.307"W	0.00	
920.00†	0.000	269.805	920.00	0.00	0.00	0.00	691290.14	605306.90	32°39'45.180"N	103°42'42.307"W	0.00	
1020.00†	0.000	269.805	1020.00	0.00	0.00	0.00	691290.14	605306.90	32°39'45.180"N	103°42'42.307"W	0.00	
1120.00†	0.000	269.805	1120.00	0.00	0.00	0.00	691290.14	605306.90	32°39'45.180"N	103°42'42.307"W	0.00	
1220.00†	0.000	269.805	1220.00	0.00	0.00	0.00	691290.14	605306.90	32°39'45.180"N	103°42'42.307"W	0.00	
1320.00†	0.000	269.805	1320.00	0.00	0.00	0.00	691290.14	605306.90	32°39'45.180"N	103°42'42.307"W	0.00	
1420.00†	0.000	269.805	1420.00	0.00	0.00	0.00	691290.14	605306.90	32°39'45.180"N	103°42'42.307"W	0.00	
1520.00†	0.000	269.805	1520.00	0.00	0.00	0.00	691290.14	605306.90	32°39'45.180"N	103°42'42.307"W	0.00	
1620.00†	0.000	269.805	1620.00	0.00	0.00	0.00	691290.14	605306.90	32°39'45.180"N	103°42'42.307"W	0.00	
1720.00†	0.000	269.805	1720.00	0.00	0.00	0.00	691290.14	605306.90	32°39'45.180"N	103°42'42.307"W	0.00	
1820.00†	0.000	269.805	1820.00	0.00	0.00	0.00	691290.14	605306.90	32°39'45.180"N	103°42'42.307"W	0.00	
1920.00†	0.000	269.805	1920.00	0.00	0.00	0.00	691290.14	605306.90	32°39'45.180"N	103°42'42.307"W	0.00	
2020.00†	0.000	269.805	2020.00	0.00	0.00	0.00	691290.14	605306.90	32°39'45.180"N	103°42'42.307"W	0.00	
2120.00†	0.000	269.805	2120.00	0.00	0.00	0.00	691290.14	605306.90	32°39'45.180"N	103°42'42.307"W	0.00	
2220.00†	0.000	269.805	2220.00	0.00	0.00	0.00	691290.14	605306.90	32°39'45.180"N	103°42'42.307"W	0.00	
2320.00†	0.000	269.805	2320.00	0.00	0.00	0.00	691290.14	605306.90	32°39'45.180"N	103°42'42.307"W	0.00	
2420.00†	0.000	269.805	2420.00	0.00	0.00	0.00	691290.14	605306.90	32°39'45.180"N	103°42'42.307"W	0.00	
2520.00†	0.000	269.805	2520.00	0.00	0.00	0.00	691290.14	605306.90	32°39'45.180"N	103°42'42.307"W	0.00	
2620.00†	0.000	269.805	2620.00	0.00	0.00	0.00	691290.14	605306.90	32°39'45.180"N	103°42'42.307"W	0.00	
2720.00†	0.000	269.805	2720.00	0.00	0.00	0.00	691290.14	605306.90	32°39'45.180"N	103°42'42.307"W	0.00	
2820.00†	0.000	269.805	2820.00	0.00	0.00	0.00	691290.14	605306.90	32°39'45.180"N	103°42'42.307"W	0.00	
2920.00†	0.000	269.805	2920.00	0.00	0.00	0.00	691290.14	605306.90	32°39'45.180"N	103°42'42.307"W	0.00	
3020.00†	0.000	269.805	3020.00	0.00	0.00	0.00	691290.14	605306.90	32°39'45.180"N	103°42'42.307"W	0.00	
3120.00†	0.000	269.805	3120.00	0.00	0.00	0.00	691290.14	605306.90	32°39'45.180"N	103°42'42.307"W	0.00	
3220.00†	0.000	269.805	3220.00	0.00	0.00	0.00	691290.14	605306.90	32°39'45.180"N	103°42'42.307"W	0.00	
3320.00†	0.000	269.805	3320.00	0.00	0.00	0.00	691290.14	605306.90	32°39'45.180"N	103°42'42.307"W	0.00	
3420.00†	0.000	269.805	3420.00	0.00	0.00	0.00	691290.14	605306.90	32°39'45.180"N	103°42'42.307"W	0.00	
3520.00†	0.000	269.805	3520.00	0.00	0.00	0.00	691290.14	605306.90	32°39'45.180"N	103°42'42.307"W	0.00	
3620.00†	0.000	269.805	3620.00	0.00	0.00	0.00	691290.14	605306.90	32°39'45.180"N	103°42'42.307"W	0.00	
3720.00†	0.000	269.805	3720.00	0.00	0.00	0.00	691290.14	605306.90	32°39'45.180"N	103°42'42.307"W	0.00	
3820.00†	0.000	269.805	3820.00	0.00	0.00	0.00	691290.14	605306.90	32°39'45.180"N	103°42'42.307"W	0.00	
3920.00†	0.000	269.805	3920.00	0.00	0.00	0.00	691290.14	605306.90	32°39'45.180"N	103°42'42.307"W	0.00	
4020.00†	0.000	269.805	4020.00	0.00	0.00	0.00	691290.14	605306.90	32°39'45.180"N	103°42'42.307"W	0.00	
4120.00†	0.000	269.805	4120.00	0.00	0.00	0.00	691290.14	605306.90	32°39'45.180"N	103°42'42.307"W	0.00	
4220.00†	0.000	269.805	4220.00	0.00	0.00	0.00	691290.14	605306.90	32°39'45.180"N	103°42'42.307"W	0.00	
4320.00†	0.000	269.805	4320.00	0.00	0.00	0.00	691290.14	605306.90	32°39'45.180"N	103°42'42.307"W	0.00	

Planned Wellpath Report

Prelim_2
Page 3 of 5

REFERENCE WELLPATH IDENTIFICATION

Operator	Mewbourne Oil Company	Slot	No.3H SHL
Area	Lea County, NM	Well	No.3H
Field	(Norte) Sec 13, T19S, R32E	Wellbore	No.3H PWB
Facility	Norte 13 Fed Com No.3H		

WELLPATH DATA (148 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Comments
4420.00†	0.000	269.805	4420.00	0.00	0.00	0.00	691290.14	605306.90	32°39'45.180"N	103°42'42.307"W	0.00	
4520.00†	0.000	269.805	4520.00	0.00	0.00	0.00	691290.14	605306.90	32°39'45.180"N	103°42'42.307"W	0.00	
4620.00†	0.000	269.805	4620.00	0.00	0.00	0.00	691290.14	605306.90	32°39'45.180"N	103°42'42.307"W	0.00	
4720.00†	0.000	269.805	4720.00	0.00	0.00	0.00	691290.14	605306.90	32°39'45.180"N	103°42'42.307"W	0.00	
4820.00†	0.000	269.805	4820.00	0.00	0.00	0.00	691290.14	605306.90	32°39'45.180"N	103°42'42.307"W	0.00	
4920.00†	0.000	269.805	4920.00	0.00	0.00	0.00	691290.14	605306.90	32°39'45.180"N	103°42'42.307"W	0.00	
5020.00†	0.000	269.805	5020.00	0.00	0.00	0.00	691290.14	605306.90	32°39'45.180"N	103°42'42.307"W	0.00	
5120.00†	0.000	269.805	5120.00	0.00	0.00	0.00	691290.14	605306.90	32°39'45.180"N	103°42'42.307"W	0.00	
5220.00†	0.000	269.805	5220.00	0.00	0.00	0.00	691290.14	605306.90	32°39'45.180"N	103°42'42.307"W	0.00	
5320.00†	0.000	269.805	5320.00	0.00	0.00	0.00	691290.14	605306.90	32°39'45.180"N	103°42'42.307"W	0.00	
5420.00†	0.000	269.805	5420.00	0.00	0.00	0.00	691290.14	605306.90	32°39'45.180"N	103°42'42.307"W	0.00	
5520.00†	0.000	269.805	5520.00	0.00	0.00	0.00	691290.14	605306.90	32°39'45.180"N	103°42'42.307"W	0.00	
5620.00†	0.000	269.805	5620.00	0.00	0.00	0.00	691290.14	605306.90	32°39'45.180"N	103°42'42.307"W	0.00	
5720.00†	0.000	269.805	5720.00	0.00	0.00	0.00	691290.14	605306.90	32°39'45.180"N	103°42'42.307"W	0.00	
5820.00†	0.000	269.805	5820.00	0.00	0.00	0.00	691290.14	605306.90	32°39'45.180"N	103°42'42.307"W	0.00	
5920.00†	0.000	269.805	5920.00	0.00	0.00	0.00	691290.14	605306.90	32°39'45.180"N	103°42'42.307"W	0.00	
6020.00†	0.000	269.805	6020.00	0.00	0.00	0.00	691290.14	605306.90	32°39'45.180"N	103°42'42.307"W	0.00	
6120.00†	0.000	269.805	6120.00	0.00	0.00	0.00	691290.14	605306.90	32°39'45.180"N	103°42'42.307"W	0.00	
6220.00†	0.000	269.805	6220.00	0.00	0.00	0.00	691290.14	605306.90	32°39'45.180"N	103°42'42.307"W	0.00	
6320.00†	0.000	269.805	6320.00	0.00	0.00	0.00	691290.14	605306.90	32°39'45.180"N	103°42'42.307"W	0.00	
6420.00†	0.000	269.805	6420.00	0.00	0.00	0.00	691290.14	605306.90	32°39'45.180"N	103°42'42.307"W	0.00	
6520.00†	0.000	269.805	6520.00	0.00	0.00	0.00	691290.14	605306.90	32°39'45.180"N	103°42'42.307"W	0.00	
6620.00†	0.000	269.805	6620.00	0.00	0.00	0.00	691290.14	605306.90	32°39'45.180"N	103°42'42.307"W	0.00	
6720.00†	0.000	269.805	6720.00	0.00	0.00	0.00	691290.14	605306.90	32°39'45.180"N	103°42'42.307"W	0.00	
6820.00†	0.000	269.805	6820.00	0.00	0.00	0.00	691290.14	605306.90	32°39'45.180"N	103°42'42.307"W	0.00	
6920.00†	0.000	269.805	6920.00	0.00	0.00	0.00	691290.14	605306.90	32°39'45.180"N	103°42'42.307"W	0.00	
7020.00†	0.000	269.805	7020.00	0.00	0.00	0.00	691290.14	605306.90	32°39'45.180"N	103°42'42.307"W	0.00	
7120.00†	0.000	269.805	7120.00	0.00	0.00	0.00	691290.14	605306.90	32°39'45.180"N	103°42'42.307"W	0.00	
7220.00†	0.000	269.805	7220.00	0.00	0.00	0.00	691290.14	605306.90	32°39'45.180"N	103°42'42.307"W	0.00	
7320.00†	0.000	269.805	7320.00	0.00	0.00	0.00	691290.14	605306.90	32°39'45.180"N	103°42'42.307"W	0.00	
7420.00†	0.000	269.805	7420.00	0.00	0.00	0.00	691290.14	605306.90	32°39'45.180"N	103°42'42.307"W	0.00	
7520.00†	0.000	269.805	7520.00	0.00	0.00	0.00	691290.14	605306.90	32°39'45.180"N	103°42'42.307"W	0.00	
7620.00†	0.000	269.805	7620.00	0.00	0.00	0.00	691290.14	605306.90	32°39'45.180"N	103°42'42.307"W	0.00	
7720.00†	0.000	269.805	7720.00	0.00	0.00	0.00	691290.14	605306.90	32°39'45.180"N	103°42'42.307"W	0.00	
7820.00†	0.000	269.805	7820.00	0.00	0.00	0.00	691290.14	605306.90	32°39'45.180"N	103°42'42.307"W	0.00	
7920.00†	0.000	269.805	7920.00	0.00	0.00	0.00	691290.14	605306.90	32°39'45.180"N	103°42'42.307"W	0.00	
8020.00†	0.000	269.805	8020.00	0.00	0.00	0.00	691290.14	605306.90	32°39'45.180"N	103°42'42.307"W	0.00	
8120.00†	0.000	269.805	8120.00	0.00	0.00	0.00	691290.14	605306.90	32°39'45.180"N	103°42'42.307"W	0.00	
8220.00†	0.000	269.805	8220.00	0.00	0.00	0.00	691290.14	605306.90	32°39'45.180"N	103°42'42.307"W	0.00	
8320.00†	0.000	269.805	8320.00	0.00	0.00	0.00	691290.14	605306.90	32°39'45.180"N	103°42'42.307"W	0.00	
8420.00†	0.000	269.805	8420.00	0.00	0.00	0.00	691290.14	605306.90	32°39'45.180"N	103°42'42.307"W	0.00	
8520.00†	0.000	269.805	8520.00	0.00	0.00	0.00	691290.14	605306.90	32°39'45.180"N	103°42'42.307"W	0.00	
8620.00†	0.000	269.805	8620.00	0.00	0.00	0.00	691290.14	605306.90	32°39'45.180"N	103°42'42.307"W	0.00	
8720.00†	0.000	269.805	8720.00	0.00	0.00	0.00	691290.14	605306.90	32°39'45.180"N	103°42'42.307"W	0.00	
8820.00†	0.000	269.805	8820.00	0.00	0.00	0.00	691290.14	605306.90	32°39'45.180"N	103°42'42.307"W	0.00	

Planned Wellpath Report

Mewbourne Oil Company

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REFERENCE WELLPATH IDENTIFICATION

Operator	Mewbourne Oil Company	Slot	No.3H SHL
Area	Lea County, NM	Well	No.3H
Field	(Norte) Sec 13, T19S, R32E	Wellbore	No.3H PWB
Facility	Norte 13 Fed Com No.3H		

WELLPATH DATA (148 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Comments
8920.00†	0.000	269.805	8920.00	0.00	0.00	0.00	691290.14	605306.90	32°39'45.180"N	103°42'42.307"W	0.00	
9020.00†	0.000	269.805	9020.00	0.00	0.00	0.00	691290.14	605306.90	32°39'45.180"N	103°42'42.307"W	0.00	
9120.00†	0.000	269.805	9120.00	0.00	0.00	0.00	691290.14	605306.90	32°39'45.180"N	103°42'42.307"W	0.00	
9220.00†	0.000	269.805	9220.00	0.00	0.00	0.00	691290.14	605306.90	32°39'45.180"N	103°42'42.307"W	0.00	
9320.00†	0.000	269.805	9320.00	0.00	0.00	0.00	691290.14	605306.90	32°39'45.180"N	103°42'42.307"W	0.00	
9345.00	0.000	269.805	9345.00	0.00	0.00	0.00	691290.14	605306.90	32°39'45.180"N	103°42'42.307"W	0.00	Est KOP
9420.00†	9.009	269.805	9419.69	5.88	-0.02	-5.88	691284.26	605306.88	32°39'45.181"N	103°42'42.376"W	12.01	
9520.00†	21.020	269.805	9516.10	31.74	-0.11	-31.74	691258.40	605306.79	32°39'45.181"N	103°42'42.678"W	12.01	
9620.00†	33.032	269.805	9605.02	77.10	-0.26	-77.10	691213.04	605306.64	32°39'45.182"N	103°42'43.209"W	12.01	
9720.00†	45.044	269.805	9689.57	122.99	-0.41	-122.99	691158.28	605306.50	32°39'45.183"N	103°42'43.740"W	12.01	
9820.00†	57.056	269.805	9745.30	217.60	-0.74	-217.59	691072.56	605306.16	32°39'45.186"N	103°42'44.852"W	12.01	
9920.00†	69.067	269.805	9790.52	306.58	-1.04	-306.58	690983.58	605305.86	32°39'45.188"N	103°42'45.893"W	12.01	
10020.00†	81.079	269.805	9816.23	403.03	-1.37	-403.03	690887.13	605305.53	32°39'45.190"N	103°42'47.021"W	12.01	
10094.27	90.000	269.805	9822.00	477.00	-1.62	-477.00	690813.17	605305.28	32°39'45.192"N	103°42'47.886"W	12.01	EOC
10120.00†	90.515	269.805	9822.88	502.73	-1.71	-502.73	690757.44	605305.10	32°39'45.193"N	103°42'48.183"W	2.00	
10146.50	91.045	269.805	9821.52	529.23	-1.80	-529.23	690760.94	605305.10	32°39'45.193"N	103°42'48.497"W	2.00	Target Line
10220.00†	91.045	269.805	9820.18	602.72	-2.05	-602.71	690687.46	605304.85	32°39'45.195"N	103°42'49.357"W	0.00	
10320.00†	91.045	269.805	9818.36	702.70	-2.39	-702.69	690587.48	605304.51	32°39'45.197"N	103°42'50.526"W	0.00	
10420.00†	91.045	269.805	9816.54	802.68	-2.73	-802.68	690487.50	605304.17	32°39'45.200"N	103°42'51.696"W	0.00	
10520.00†	91.045	269.805	9814.71	902.67	-3.07	-902.66	690387.53	605303.83	32°39'45.202"N	103°42'52.365"W	0.00	
10620.00†	91.045	269.805	9812.89	1002.65	-3.41	-1002.64	690287.55	605303.49	32°39'45.205"N	103°42'54.035"W	0.00	
10720.00†	91.045	269.805	9811.07	1102.63	-3.75	-1102.63	690187.57	605303.15	32°39'45.207"N	103°42'55.204"W	0.00	
10820.00†	91.045	269.805	9809.24	1202.62	-4.09	-1202.61	690087.59	605302.81	32°39'45.209"N	103°42'56.374"W	0.00	
10920.00†	91.045	269.805	9807.42	1302.60	-4.43	-1302.59	689987.62	605302.47	32°39'45.212"N	103°42'57.543"W	0.00	
11020.00†	91.045	269.805	9805.60	1402.57	-4.77	-1402.57	689887.64	605302.13	32°39'45.215"N	103°42'58.713"W	0.00	
11120.00†	91.045	269.805	9803.77	1502.57	-5.11	-1502.56	689787.66	605301.79	32°39'45.217"N	103°42'59.882"W	0.00	
11220.00†	91.045	269.805	9801.95	1602.55	-5.45	-1602.54	689687.68	605301.45	32°39'45.219"N	103°43'01.052"W	0.00	
11320.00†	91.045	269.805	9800.13	1702.53	-5.79	-1702.52	689587.70	605301.11	32°39'45.221"N	103°43'02.221"W	0.00	
11420.00†	91.045	269.805	9798.30	1802.52	-6.13	-1802.51	689487.73	605300.77	32°39'45.224"N	103°43'03.391"W	0.00	
11520.00†	91.045	269.805	9796.48	1902.50	-6.47	-1902.49	689387.75	605300.43	32°39'45.226"N	103°43'04.560"W	0.00	
11620.00†	91.045	269.805	9794.66	2002.48	-6.81	-2002.47	689287.77	605300.09	32°39'45.228"N	103°43'05.729"W	0.00	
11720.00†	91.045	269.805	9792.84	2102.47	-7.15	-2102.45	689187.79	605299.75	32°39'45.231"N	103°43'06.899"W	0.00	
11820.00†	91.045	269.805	9791.01	2202.45	-7.49	-2202.44	689087.82	605299.41	32°39'45.233"N	103°43'08.068"W	0.00	
11920.00†	91.045	269.805	9789.19	2302.43	-7.83	-2302.42	688987.84	605299.07	32°39'45.236"N	103°43'09.238"W	0.00	
12020.00†	91.045	269.805	9787.37	2402.42	-8.17	-2402.41	688887.86	605298.73	32°39'45.239"N	103°43'10.407"W	0.00	
12120.00†	91.045	269.805	9785.54	2502.40	-8.51	-2502.38	688787.88	605298.39	32°39'45.240"N	103°43'11.577"W	0.00	
12220.00†	91.045	269.805	9783.72	2602.38	-8.85	-2602.37	688687.91	605298.05	32°39'45.243"N	103°43'12.746"W	0.00	
12320.00†	91.045	269.805	9781.90	2702.37	-9.19	-2702.35	688587.93	605297.71	32°39'45.245"N	103°43'13.916"W	0.00	
12420.00†	91.045	269.805	9780.07	2802.35	-9.53	-2802.33	688487.95	605297.37	32°39'45.247"N	103°43'15.085"W	0.00	
12520.00†	91.045	269.805	9778.25	2902.33	-9.87	-2902.32	688387.97	605297.03	32°39'45.250"N	103°43'16.255"W	0.00	
12620.00†	91.045	269.805	9776.43	3002.32	-10.21	-3002.30	688287.99	605296.69	32°39'45.252"N	103°43'17.424"W	0.00	
12720.00†	91.045	269.805	9774.60	3102.30	-10.55	-3102.28	688188.02	605296.35	32°39'45.254"N	103°43'18.594"W	0.00	
12820.00†	91.045	269.805	9772.78	3202.28	-10.89	-3202.26	688088.04	605296.01	32°39'45.257"N	103°43'19.763"W	0.00	
12920.00†	91.045	269.805	9770.96	3302.27	-11.23	-3302.25	687988.06	605295.67	32°39'45.259"N	103°43'20.933"W	0.00	
13020.00†	91.045	269.805	9769.13	3402.25	-11.57	-3402.23	687888.08	605295.33	32°39'45.261"N	103°43'22.102"W	0.00	

Planned Wellpath Report

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REFERENCE WELLPATH IDENTIFICATION

Operator	Mewbourne Oil Company	Slot	No.3H SHL
Area	Lea County, NM	Well	No.3H
Field	(Norte) Sec 13, T19S, R32E	Wellbore	No.3H PWB
Facility	Norte 13 Fed Com No.3H		

WELLPATH DATA (148 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Comments
13120.00†	91.045	269.805	9767.31	3502.23	-11.91	-3502.21	687788.11	605294.99	32°39'45.264"N	103°43'23.272"W	0.00	
13220.00†	91.045	269.805	9765.49	3602.22	-12.25	-3602.20	687688.13	605294.65	32°39'45.266"N	103°43'24.441"W	0.00	
13320.00†	91.045	269.805	9763.66	3702.20	-12.59	-3702.18	687588.15	605294.31	32°39'45.268"N	103°43'25.611"W	0.00	
13420.00†	91.045	269.805	9761.84	3802.18	-12.93	-3802.16	687488.17	605293.97	32°39'45.271"N	103°43'26.780"W	0.00	
13620.00†	91.045	269.805	9758.19	4002.15	-13.61	-4002.13	687288.22	605293.29	32°39'45.275"N	103°43'29.119"W	0.00	
13720.00†	91.045	269.805	9756.37	4102.13	-13.95	-4102.11	687188.24	605292.95	32°39'45.277"N	103°43'30.289"W	0.00	
13820.00†	91.045	269.805	9754.55	4202.12	-14.29	-4202.09	687088.26	605292.61	32°39'45.280"N	103°43'31.458"W	0.00	
13920.00†	91.045	269.805	9752.72	4302.10	-14.63	-4302.08	686988.28	605292.27	32°39'45.282"N	103°43'32.628"W	0.00	
14120.00†	91.045	269.805	9749.08	4502.07	-15.31	-4502.04	686788.33	605291.59	32°39'45.287"N	103°43'34.967"W	0.00	
14220.00†	91.045	269.805	9747.25	4602.05	-15.65	-4602.02	686688.35	605291.25	32°39'45.289"N	103°43'36.136"W	0.00	
14233.95	91.045	269.805	9747.00	4616.00	-15.70	-4615.98	686674.40	605291.20	32°39'45.289"N	103°43'36.300"W	0.00	No.3H PBHL

TARGETS

Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
1) No.3H PBHL	14233.95	9747.00	-15.70	-4615.98	686674.40	605291.20	32°39'45.289"N	103°43'36.300"W	point

SURVEY PROGRAM - Ref Wellbore: No.3H PWB Ref Wellpath: Prelim_2

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
20.00	14233.95	NaviTrak (Standard)		No.3H PWB