

34 EXHIBIT

LOVING

MIDLAND MAP

MALAGA

MALAGA UNIT  
L.B.A. TENISON OF



HOBBS OCD

JAN 03 2018

RECEIVED

NM OIL CONSERVATION  
ARTESIA DISTRICT

DEC 08 2017

Form C-102

Revised August 1, 2011

State of New Mexico  
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

RECEIVED

Submit one copy to appropriate  
District Office☒ AMENDED REPORT

District I  
1625 N. French Dr., Hobbs, NM 88240  
Phone: (505) 393-6161 Fax: (505) 393-0720

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

District III  
1000 Rio Brazos Road, 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

## WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number <b>30-015-43165</b>		2 Pool Code <b>98220</b>		3 Pool Name <b>PURPLE SAGE WOLFCAMP GAS</b>	
4 Property Code <b>320527</b>		5 Property Name <b>ZEPELIN 32 W2LI STATE COM</b>			6 Well Number <b>2H</b>
7 OGRID NO. <b>14744</b>		8 Operator Name <b>MEWBOURNE OIL COMPANY</b>			9 Elevation <b>3105'</b>

## 10 Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet From the	East/West line	County
<b>L</b>	<b>32</b>	<b>23S</b>	<b>28E</b>		<b>1980</b>	<b>SOUTH</b>	<b>205</b>	<b>WEST</b>	<b>EDDY</b>

## 11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
<b>I</b>	<b>32</b>	<b>23S</b>	<b>28E</b>		<b>2310</b>	<b>SOUTH</b>	<b>330</b>	<b>EAST</b>	<b>EDDY</b>

12 Dedicated Acres <b>320</b>	13 Joint or Infill	14 Consolidation Code	15 Order No.
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No allowable will be assigned to this completion until all interest have been consolidated or non-standard unit has been approved by division.

EXHIBIT

<p>14 (B) N 89°51'51" W 2679.59'</p> <p>GEODETIC DATA NAD 83 GRID - NM EAST</p> <p>SURFACE LOCATION N 458271.0 - E 608047.9</p> <p>LAT: 32.2596776° N LONG: 104.1175200° W</p> <p>BOTTOM HOLE N 458610.3 - E 612832.7</p> <p>LAT: 32.2605631° N LONG: 104.1020384° W</p>		<p>15 (C) N 89°54'22" W 2634.48'</p> <p>CORNER DATA NAD 83 GRID - NM EAST</p> <p>A: FOUND BRASS CAP "1942" N 456291.1 - E 607826.1</p> <p>B: FOUND BRASS CAP "1959" N 461580.5 - E 607871.0</p> <p>C: FOUND BRASS CAP "1989" N 461574.1 - E 610550.0</p> <p>D: FOUND 1000 NAIL N 461569.8 - E 613183.9</p> <p>E: FOUND COTTON SPINDLE N 458943.1 - E 613163.6</p> <p>F: FOUND YPC ILLEGIBLE N 461712.8 - E 634380.5</p> <p>G: FOUND ALUM. CAP "5412" N 456286.5 - E 610491.1</p>	
<p>205'</p> <p>S. L.</p> <p>1980'</p> <p>S 89°52'39" W 2665.80'</p>		<p>32</p> <p>330'</p> <p>B. H.</p> <p>2310'</p> <p>S 89°53'35" W 2665.68'</p>	

**"OPERATOR CERTIFICATION"**

I, the undersigned, being duly sworn, depose and say that the foregoing is a true and correct copy of the original as the same appears in the files of the division.

Signature: **BRADLEY BISHOP** Date: **12-6-17**

Printed Name: **BRADLEY BISHOP**

E-mail Address: **BBISHOP@MEWBOURNE.COM**

**"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.

Date of Survey: **10-24-2017**

Signature and Seal of Professional Surveyor: **ROBERT M. HOWETT**

Certificate Number: **19680**

RRC - Job No.: LS1710696

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

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811 S. First St., Artesia, NM 88210  
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**District IV**  
1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

Form C-102  
August 1, 2011  
Permit 244652

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

1. API Number 30-015-44560	2. Pool Code 98220	3. Pool Name PURPLE SAGE WOLFCAMP (GAS)
4. Property Code 320047	5. Property Name ZEPPELIN 32 WOLI STATE COM	6. Well No. 001H
7. OGRID No. 14744	8. Operator Name MEWBOURNE OIL CO	9. Elevation 3105

**10. Surface Location**

UL - Lot L	Section 32	Township 23S	Range 28E	Lot Idn L	Feet From 2030	N/S Line S	Feet From 205	E/W Line W	County Eddy
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**11. Bottom Hole Location If Different From Surface**

UL - Lot I	Section 32	Township 23S	Range 28E	Lot Idn I	Feet From 2310	N/S Line S	Feet From 330	E/W Line E	County Eddy
12. Dedicated Acres 320.00			13. Joint or Infill		14. Consolidation Code			15. Order No.	

**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**

<table border="1" style="width: 100%; height: 100%; border-collapse: collapse;"> <tr><td style="width: 25%; height: 25%;"></td><td style="width: 25%; height: 25%;"></td><td style="width: 25%; height: 25%;"></td><td style="width: 25%; height: 25%;"></td></tr> <tr><td style="width: 25%; height: 25%;"></td><td style="width: 25%; height: 25%;"></td><td style="width: 25%; height: 25%;"></td><td style="width: 25%; height: 25%;"></td></tr> <tr><td style="width: 25%; height: 25%; text-align: center;">O</td><td style="width: 25%; height: 25%;"></td><td style="width: 25%; height: 25%;"></td><td style="width: 25%; height: 25%; text-align: center;">■</td></tr> <tr><td style="width: 25%; height: 25%;"></td><td style="width: 25%; height: 25%;"></td><td style="width: 25%; height: 25%;"></td><td style="width: 25%; height: 25%;"></td></tr> </table>									O			■					<p style="text-align: center;"><b>OPERATOR CERTIFICATION</b></p> <p><i>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(s) 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.</i></p> <p>E-Signed By:      Monty Whetstone Title:                Vice President Operations Date:                11/13/2017</p> <hr/> <p style="text-align: center;"><b>SURVEYOR CERTIFICATION</b></p> <p><i>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.</i></p> <p>Surveyed By:      Robert Howell Date of Survey:    11/1/2017 Certificate Number: 19680</p>
O			■														

CASE NO. 15991  
Zeppelin 32 W0LI St. Com #1H and  
Zeppelin 32 W2LI St. Com #2H Wells  
S/2 Section 32, T23S, R28E  
Eddy County, New Mexico

TRACT OWNERSHIP:

TRACT #1: N/2 SW/4 and SW/4 SW/4 of Section 32, containing 120.00 acres, more or less.

BTA Oil Producers, L.L.C.	100.00000%
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TRACT #2: SE/4 SW/4 Malaga Tracts 517, 518, 519, 520, 522, 206, 523, 524, 525, 526, 528, 207, 529, 530, 531, 532, 535, 536, 538, 539, 540, 541, 542, 543, and 544, containing 170.00 acres more or less.

Mewbourne Oil Company	100.00000%
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TRACT #3: Malaga Tract 521, containing 5.0 acres, more or less.

Mewbourne Oil Company	37.50%
Clayton H. Sooby, and/or his heirs	37.50%
Donald Bruce Sooby, and/or his heirs	9.375%
Ruby Kay Vesley	1.56249%
Tiffany Beth Kennedy	1.56249%
Helen Eller, and /or her heirs	12.5%
Jacquelyn Jaynes, and/or her heirs	12.5%
Barry Sooby, and/or his heirs	12.5%
Betty Byers, and/or his heirs	12.5%

TRACT #4: Malaga Tract 527, containing 5.0 acres, more or less.

Jeanette Huffer, and/or her heirs	1/7
Michael Huffer, and/or his heirs	1/7
Thomas Huffer, and/or his heirs	1/7
John Huffer, and/or his heirs	1/7
Joy Huffer, and/or her heirs	1/7
David Huffer, and/or his heirs	1/7
Marlene Mitchell Coburn, and /or her heirs	1/7

TRACT #5: Malaga Tract 533, containing 5.0 acres, more or less.

EOG Resources, Inc.	81.25%
Costilla Energy, Inc.	18.75%

TRACT #6: Malaga Tract 534, containing 5.0 acres, more or less.

RKI Exploration & Production, L.L.C.	100%
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TRACT #7: Malaga Tract 537, containing 5.0 acres, more or less.

The heirs or devisees of Lewis M. Cromwell, Deceased  
Jay B. Cromwell  
Ross Duncan Properties, LLC





# MEWBOURNE OIL COMPANY

FASKEN CENTER  
500 WEST TEXAS AVE, SUITE 1020  
MIDLAND, TX 79701

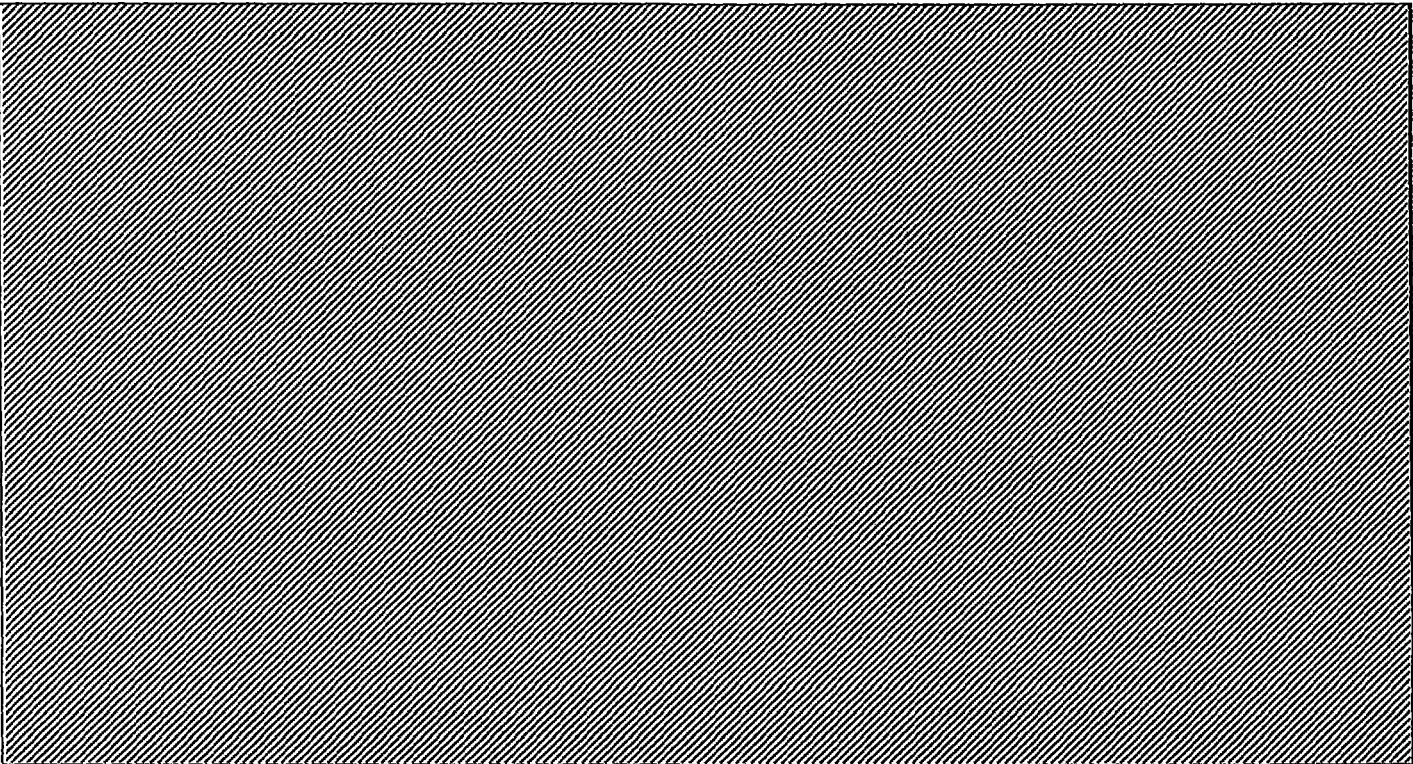
TELEPHONE (432) 682-3715

FACSIMILE (432) 685-4170

**ZEPPELIN "32" PROSPECT**  
S/2 of Section 32-23S-28E  
Eddy County, New Mexico,  
containing 640.00 acres, more or less

**Mitchell Robb**  
February 24, 2016  
**LAST ENTRY CHECKED:**  
Eddy Co: Book 1050, Page 263

**Land Plat:**

								
<u>TRACT NO. 1</u>	517	518	519	520	521	522	206	
	2	2	2	2	3	2	2	
	523	524	525	526	527	528	207	
	2	2	2	2	4	2	2	
<u>TRACT NO. 2</u>	529	530	531	532	533	534	535	536
	2	2	2	2	5	6	2	2
	537	538	539	540	541	542	543	544
	7	2	2	2	2	2	2	2



SUMMARY OF COMMUNICATIONS

**Case No. 15991**

Zeppelin 32 WOLI State Com #1H and  
Zeppelin 32 W2LI State Com #2H Wells  
S/2 of Section 32, T23S, R28E  
Eddy County, New Mexico

**EOG Resources, Inc. – 4.0625 net acres**

**Contact:** 1. Chuck Moran (432) 686-3684  
Email: [Charles.Moran@eogresources.com](mailto:Charles.Moran@eogresources.com)  
2. Clay Haggard (432) 686-3722  
Email: [Clay.Haggard@eogresources.com](mailto:Clay.Haggard@eogresources.com)

**10-25-2017:** Hand delivered well proposals with AFEs and proposed Operating Agreement.  
**11-28-2017:** Follow up phone call conversation with Chuck and Clay, possible acreage trade for their 40 acres in our Pavo Macho 31/32 WIU for 40 acres of ours in Zeppelin 32 acreage.  
**12-11-2017:** Follow up call with Chuck.  
**12-11-2017:** Call to chuck regarding meeting with BLM on 12-12-2017 regarding their suspended lease.  
**12-12-2017:** Met with Chuck and BLM regarding EOG's suspended in lease. The BLM gave us a time frame to commence our initial well, on or about July 1, 2018.  
**01-15-2018:** Letter to EOG regarding possible trade of these lands and other lands as well as getting trade agreements timely executed by February 15, 2018.  
**01-15-2018:** Follow up email  
**01-25-2018:** Email from Clay, advising me of status of our pending trade.  
**02-02-2018:** Email from Clay regarding status.  
**02-09-2018:** Emails back and forth from Clay and Paul regarding status of trade and JOA.  
**02-16-2018:** Email from Clay stating that management would sign our JOA only for Wolfcamp formation.  
**03-02-2018:** Phone conversation with Chuck regarding possible trade.

**Costilla Energy – 0.9375 net acres**

**Contact:** Cadell Liedtke (432) 683-8703

**01-19-2018:** Well proposal via certified mail with AFE with a copy of the pertinent pages of our Drilling Title Opinion dated January 9, 2018 regarding his ownership.

**Ross Duncan Properties, LLC – 5.0 net acres**

**Contact:** 1. Ross Duncan (575) 531-2544  
Email: [primolandman@gmail.com](mailto:primolandman@gmail.com)  
2. Jay B. Cromwell – (386) 466-2018

**01-05-2018:** Email to Ross regarding our proposed wells and WIU with copy of our AFEs.  
**01-09-2018:** Proposal letter to Ross via certified mail with AFEs and our Operating Agreement for execution.  
**01-12-2018:** Received signed AFEs and executed JOA regarding Ross's participation in our proposed wells.  
**02-06-2018:** Sent Jay B. Cromwell overnight package regarding his unmarketable title with questions for him to answer regarding his ownership.  
**03-01-2018:** Received phone call from Jay B. Cromwell. He advised me that he was the only heir of Lewis M. Cromwell and his mother Elaine Ida Cromwell. His brother died before Jay was born and his sister (Patricia Alice Cromwell) also died in Detroit, Michigan years ago.

**RKI Exploration & Production, LLC – 5.0 net acres**

**Contact:** 1. Justin Hall (539) 573-8967  
Email: [justin.hall@wpxenergy.com](mailto:justin.hall@wpxenergy.com)  
2. Mallory Weindorf (539) 573-3525  
Email: [Mallory.weindorf@wpxenergy.com](mailto:Mallory.weindorf@wpxenergy.com)

**09-08-2017:** Well proposal letter via email and certified mail proposing Zeppelin W2IL St Com #2H well with AFE.

EXHIBIT 4



- 10-12-2017:** Email from Mallory and email to Mallory as to who signs for RKI as to the Operating Agreement which was in preparation.
- 10-23-2017:** Overnight mail to Mallory of the proposed Operating agreement sent to her for further handling and execution.
- 11-01-2017:** Email to Mallory regarding revised AFEs for the proposed wells sent to her for further handling.
- 01-09-2018:** Emailed revised GBA to Justin and Mallory regarding their requested revisions.
- 01-12-2018:** Email to Justin and Mallory advising them the initial well will spud next week requesting them to expedite the execution of the JOA
- 01-12-2018:** Email from Justin regarding revisions to JOA and GBA.
- 02-08-2018:** Follow up email to Justin and Mallory advising them of the upcoming Pooling Hearing regarding status of the execution of the JOA and GBA.
- 02-12-2018:** Emails to and from Justin regarding status of the execution of the JOA, GBA and AFEs.
- 02-12-2018:** Email to and from regarding side letter to be signed as to the JOA as to certain provisions
- 02-26-2018:** Emailed signed side letter agreement regarding certain JOA provisions.



# MEWBOURNE OIL COMPANY

500 W. TEXAS, SUITE 1020  
MIDLAND, TEXAS 79701

(432) 682-3715  
FAX (432) 685-4170

October 25, 2017

Hand Delivered

EOG Resources, Inc.  
5509 Champions Drive  
Midland, TX 79706  
Attn: Mr. Chuck Moran

Re: Zeppelin 32 W0IL State Com #1H Well  
SL: 1650'FSL & 205'FEL  
BHL: 2310'FSL & 330'FWL  
Section 32, T23S, R28E  
Eddy County, New Mexico

Ladies and Gentlemen:

Mewbourne Oil Company (Mewbourne) as Operator hereby proposes to drill the referenced well at the referenced surface location in Section 32 and drill same horizontally to a terminus point at the referenced bottom hole location in the captioned Section 32. The proposed well will be drilled to a true vertical depth of approximately 9,547 feet beneath the surface at the referenced surface location in the Wolfcamp formation and drilled horizontally therefrom from an easterly direction to a westerly direction in a Wolfcamp Sand interval in the Wolfcamp formation for oil and gas production. The proposed well will be drilled to a true measure depth of approximately 14,163 feet to the above referenced bottom hole location. The S/2 of the captioned Section 32 will be dedicated to the well as its project area.

In reference to the above, enclosed for your further handling is our AFE dated June 28, 2017. The captioned proposed well will be drilled back to back with the proposed Zeppelin 32 W2IL State Com #2H Well. At your earliest convenience, please have the AFEs signed and returned to me with the signature and acknowledgment pages of the JOA, GBA and Recording Supplement in the event EOG elects to participate in the proposed wells.

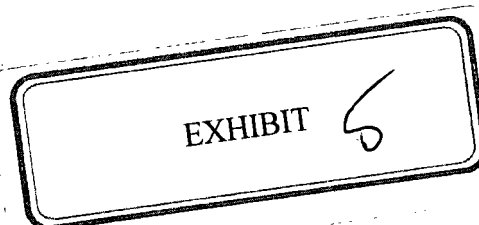
Sincerely yours,

MEWBOURNE OIL COMPANY



D. Paul Haden  
Senior Landman

DPH/ak





## Paul Haden

---

**From:** Paul Haden  
**Sent:** Thursday, December 21, 2017 9:42 AM  
**To:** 'clay\_haggard@eogresources.com'; 'Charles\_Moran@eogresources.com'  
**Cc:** Natalie Madden Stephens  
**Subject:** FW: Zeppelin 32 Prospect

Clay and Chuck , we are desperately in need of the JOA referenced below for title examination purposes . It is crucial in determining leasehold ownership including EOG's ownership . Please make a special effort in locating this contract for all of our benefit . I'd appreciate it . Thanks .

**Paul Haden**

Land Department



500 West Texas Ave., Suite 1020

Midland, TX 79701-4279

Office Phone: 432-682-3715

Fax: 432-685-4170

Cell: 432-557-2521

---

**From:** Paul Haden  
**Sent:** Wednesday, December 13, 2017 9:15 AM  
**To:** [clay\\_haggard@eogresources.com](mailto:clay_haggard@eogresources.com)  
**Cc:** Natalie Madden Stephens  
**Subject:** FW: Zeppelin 32 Prospect

Clay , we are currently examining title for drilling purposes for the captioned Prospect located in the S/2 Sec 32 , T23S , R28E . HNG as Operator drilled its Ogden 8 Com #1 Well at a location 2200' FNL & 945' FEL Sec 8 , T24S , R28E and completed same as a Morrow well . It was apparently drilled under the terms of a JOA dated 1/27/77 , HNG Oil Company as Operator and David Fasken , et al as Non-Operators . Do you have a copy of this JOA , we need it for title examination purposes .

**Paul Haden**

Land Department



500 West Texas Ave., Suite 1020

Midland, TX 79701-4279

Office Phone: 432-682-3715

Fax: 432-685-4170

Cell: 432-557-2521

---

**From:** Natalie Madden Stephens  
**Sent:** Tuesday, December 12, 2017 1:29 PM



**To:** Paul Haden

**Subject:** Zeppelin 32 Prospect

Do we have a copy of the JOA dated 1/24/77 between HNG Oil Company, as Operator, and David Fasken, et al. as Non-Operators covering the interest in the Ogden 8 Com No. 1 Well and the lease recorded 92/748 covering Malaga Tract No. 533?

Natalie



# MEWBOURNE OIL COMPANY

500 W. TEXAS, SUITE 1020  
MIDLAND, TEXAS 79701

(432) 682-3715  
FAX (432) 685-4170

January 15, 2018

Via Email clay-haggard@eogresources.com

EOG Resources, Inc.  
5509 Champions Dr.  
Midland, TX 79706  
Attn: Mr. Clay Haggard

Re: Letter Agreement  
Ibex "10" Prospect  
Sec.10, T23S, R34E  
Lea Co., NM;  
Devon "12/1" WIU  
SE/4 Sec.1 and E/2 Sec.12  
T25S, R27E;  
Fleetwood "35/25" WIU  
SW/4 Sec.25 and W/2 Sec.36  
T24S, R28E;  
Rustler Breaks "23/26" WIU  
SW/4 Sec.23 and W/2 Sec.26  
T24S, R28E;  
Virgo "23/24" WIU  
Sec.23 and 24,  
T18S, R30E;  
Zeppelin "32" WIU  
S/2 Sec.32  
T23S, R28E;  
Oxbow 23, 24, 25 and 26  
T25S, R28E;  
Pavo Macho 31/32 WIU  
N/2 Sec. 31 and N/2 Sec. 32  
T18S, R29E; and  
El Mar "21" Prospect  
Sec.21, T26S, R33E  
Eddy Co., NM

Gentlemen:

Mewbourne Oil Company ("Mewbourne") and EOG Resources, Inc. ("EOG") have agreed to enter into an agreement to trade certain leasehold interests in the referenced Pavo Macho 31/32 WIU and Zeppelin 32 WIU. As a consideration to this trade agreement, Mewbourne and EOG agree to do the following in a timely manner as to the following referenced Prospects and/or Working Interests Units (WIU):

- 1) Devon "12/1" WIU – EOG agrees to deliver to Mewbourne the executed signature and acknowledgment pages of the JOA, Communitization Agreement and AFE currently in EOG's possession.
- 2) Ibex "10" Prospect – EOG agrees to deliver to Mewbourne the signed JOA signature and acknowledgement pages.
- 3) Fleetwood "36/25" WIU – EOG agrees to deliver to Mewbourne the signed signature and acknowledgment pages to the JOA and signed AFE.
- 4) Rustler Breaks "23/26" WIU – EOG agrees to deliver to Mewbourne the signed signature and acknowledgement pages to the JOA and signed AFE.
- 5) Virgo 23/24 WIU – EOG agrees to deliver to Mewbourne the signed signature and acknowledgment pages to the JOA and signed AFE.
- 6) Oxbow 23, 24, 25 and 26 Prospects – EOG agrees to deliver Mewbourne the signed signature and acknowledgment pages to the JOA and signed AFE.
- 7) El Mar Prospect – EOG agrees to amend the Pugh Clause to the term assignment to include reassignment of rights as to the rights below the deepest producing formation in lieu of rights below 100 feet below the deepest depth drilled.
- 8) Pavo Macho 31/32 WIU – EOG agrees to deliver Mewbourne an Assignment of Operating Rights to Mewbourne covering 100% of EOG's interest in State Lease B – 4918 covering the NE/4NE/4 Section 32, T18S, R29E covering the rights below 2,100 feet beneath the surface.
- 9) Zeppelin "32" WIU – Mewbourne agrees to execute a Partial Assignment of Oil and Gas Lease to EOG covering 40 net leasehold acres in the Barbara Lee Backman, et al Lease being a 23.39181% interest in the referenced Lease which covers 170 net mineral acres as to all depths.

Regarding the above, Mewbourne and EOG agree that the above tasks will transpire on or before February 15, 2018. Please acknowledge such agreement by having the proper signatory authority sign and return this letter to me via email at [phaden@mewbourne.com](mailto:phaden@mewbourne.com) by January 26, 2018 at 5:00 P.M.

Sincerely yours,

**MEWBOURNE OIL COMPANY**



D. Paul Haden  
Senior Landman

DPH/ak

The undersigned agrees to the above referenced terms and conditions this \_\_\_\_\_ day of January, 2018.

**EOG Resources, Inc.**

By: \_\_\_\_\_

Print: \_\_\_\_\_

Title: \_\_\_\_\_



## Paul Haden

---

**From:** Paul Haden  
**Sent:** Friday, February 02, 2018 1:09 PM  
**To:** Clay Haggard; Charles Moran  
**Cc:** Corey Mitchell; Cy Shook; Josh Anderson  
**Subject:** RE: Trade Letter Agreement

Clay , let's use September 15 , 2017 as that was the date of the JOA for the Pavo Macho 31/32 WIU . As to the assignment to EOG on the Zeppelin 32 WIU I'll use October 15 , 2017 as that is the date of the JOA for the Zeppelin 32 .  
Thanks Clay .

Paul Haden  
Land Department  
Mewbourne Oil Company  
500 West Texas Ave., Suite 1020  
Midland, TX 79701-4279  
Office Phone: 432-682-3715  
Fax: 432-685-4170  
Cell: 432-557-2521

-----Original Message-----

**From:** Clay Haggard [[mailto:Clay\\_Haggard@eogresources.com](mailto:Clay_Haggard@eogresources.com)]  
**Sent:** Friday, February 02, 2018 11:31 AM  
**To:** Paul Haden; Charles Moran  
**Cc:** Corey Mitchell; Cy Shook; Josh Anderson  
**Subject:** RE: Trade Letter Agreement

Paul

I've completed our assignment on the Pavo Macho acreage from EOG to Mewbourne. I've got legal reviewing it now.

What date do you want to use for the effective date on the assignment from EOG?

-----Original Message-----

**From:** Paul Haden [<mailto:phaden@Mewbourne.com>]  
**Sent:** Friday, January 26, 2018 8:14 AM  
**To:** Clay Haggard <[Clay\\_Haggard@eogresources.com](mailto:Clay_Haggard@eogresources.com)>; Charles Moran <[Charles\\_Moran@eogresources.com](mailto:Charles_Moran@eogresources.com)>  
**Cc:** Corey Mitchell <[cmitchell@Mewbourne.com](mailto:cmitchell@Mewbourne.com)>; Cy Shook <[cshook@Mewbourne.com](mailto:cshook@Mewbourne.com)>; Josh Anderson <[janderson@Mewbourne.com](mailto:janderson@Mewbourne.com)>  
**Subject:** RE: Trade Letter Agreement

\*\* External email. Use caution.\*\*

OK , but please make sure this trade is moving forward . Please keep us updated on the status . Thanks Clay .

Paul Haden  
Land Department  
Mewbourne Oil Company  
500 West Texas Ave., Suite 1020  
Midland, TX 79701-4279  
Office Phone: 432-682-3715  
Fax: 432-685-4170  
Cell: 432-557-2521

-----Original Message-----

From: Clay Haggard [[mailto:Clay\\_Haggard@eogresources.com](mailto:Clay_Haggard@eogresources.com)]  
Sent: Thursday, January 25, 2018 5:17 PM  
To: Paul Haden; Charles Moran; Clay Haggard  
Cc: Corey Mitchell; Cy Shook; Josh Anderson  
Subject: RE: Trade Letter Agreement

Paul

Everyone here at EOG has been busy with quarterly reviews. Everything on this list is in front of management and management asked for further information regarding some of the proposals. We will get Mewbourne answers on all of the items listed in the agreement as soon as possible, but management cannot sign the Trade Letter Agreement at this time.

-----Original Message-----

From: Paul Haden [<mailto:phaden@Mewbourne.com>]  
Sent: Monday, January 15, 2018 4:11 PM  
To: Clay Haggard <[Clay\\_Haggard@eogresources.com](mailto:Clay_Haggard@eogresources.com)>; Charles Moran <[Charles\\_Moran@eogresources.com](mailto:Charles_Moran@eogresources.com)>  
Cc: Corey Mitchell <[cmitchell@Mewbourne.com](mailto:cmitchell@Mewbourne.com)>; Cy Shook <[cshook@Mewbourne.com](mailto:cshook@Mewbourne.com)>; Josh Anderson <[janderson@Mewbourne.com](mailto:janderson@Mewbourne.com)>  
Subject: Re: Trade Letter Agreement

**\*\* External email. Use caution.\*\***

Clay and Chuck , see attachment for your further handling . Please have it signed and I'll start working on the Partial Assignment of Oil and Gas Lease .

Paul Haden  
Land Department  
Mewbourne Oil Company  
500 West Texas Ave., Suite 1020  
Midland, TX 79701-4279  
Office Phone: 432-682-3715  
Fax: 432-685-4170  
Cell: 432-557-2521



-----Original Message-----

From: [midgeo@mewbourne.com](mailto:midgeo@mewbourne.com) [mailto:[midgeo@mewbourne.com](mailto:midgeo@mewbourne.com)]

Sent: Monday, January 15, 2018 4:09 PM

To: Paul Haden

Subject:

-----  
TASKalfa 520i

[00:c0:ee:7a:75:85]  
-----

## Paul Haden

---

**From:** Paul Haden  
**Sent:** Friday, February 09, 2018 10:13 AM  
**To:** Clay Haggard  
**Subject:** RE: Ibex 10 Joint Operating Agreement

Sounds great , thanks Clay .

Paul Haden

Land Department



500 West Texas Ave., Suite 1020

Midland, TX 79701-4279

Office Phone: 432-682-3715

Fax: 432-685-4170

Cell: 432-557-2521

---

**From:** Clay Haggard [[mailto:Clay\\_Haggard@eogresources.com](mailto:Clay_Haggard@eogresources.com)]

**Sent:** Friday, February 09, 2018 9:56 AM

**To:** Paul Haden

**Cc:** Clay Haggard

**Subject:** RE: Ibex 10 Joint Operating Agreement

I've got legal reviewing. I should have it back and signed by EOG next week.

---

**From:** Paul Haden [<mailto:phaden@Mewbourne.com>]

**Sent:** Friday, February 09, 2018 9:26 AM

**To:** Clay Haggard <[Clay\\_Haggard@eogresources.com](mailto:Clay_Haggard@eogresources.com)>

**Subject:** RE: Ibex 10 Joint Operating Agreement

**\*\* External email. Use caution.\*\***

Clay , where are you on getting the Zeppelin JOA executed ? I need EOG to execute it before we can give EOG well information .

Paul Haden

Land Department



500 West Texas Ave., Suite 1020

Midland, TX 79701-4279

Office Phone: 432-682-3715

Fax: 432-685-4170

Cell: 432-557-2521



---

**From:** Clay Haggard [mailto:Clay\_Haggard@eogresources.com]

**Sent:** Friday, February 09, 2018 8:27 AM

**To:** Paul Haden

**Cc:** Clay Haggard

**Subject:** Ibex 10 Joint Operating Agreement

Paul

I'm trying to get this JOA signed and returned to Mewbourne.

Do you have the final percentages of the working interest owners?

Thanks.

*Clay Haggard, CPL*

Land Specialist, EOG Resources, Inc.

5509 Champions Dr.

Midland, Texas 79706

Office (432) 686-3722



## Paul Haden

---

**From:** Clay Haggard <Clay\_Haggard@eogresources.com>  
**Sent:** Friday, February 02, 2018 11:31 AM  
**To:** Paul Haden; Charles Moran  
**Cc:** Corey Mitchell; Cy Shook; Josh Anderson  
**Subject:** RE: Trade Letter Agreement

Paul

I've completed our assignment on the Pavo Macho acreage from EOG to Mewbourne. I've got legal reviewing it now.

What date do you want to use for the effective date on the assignment from EOG?

-----Original Message-----

**From:** Paul Haden [<mailto:phaden@Mewbourne.com>]  
**Sent:** Friday, January 26, 2018 8:14 AM  
**To:** Clay Haggard <[Clay\\_Haggard@eogresources.com](mailto:Clay_Haggard@eogresources.com)>; Charles Moran <[Charles\\_Moran@eogresources.com](mailto:Charles_Moran@eogresources.com)>  
**Cc:** Corey Mitchell <[cmitchell@Mewbourne.com](mailto:cmitchell@Mewbourne.com)>; Cy Shook <[cshook@Mewbourne.com](mailto:cshook@Mewbourne.com)>; Josh Anderson <[janderson@Mewbourne.com](mailto:janderson@Mewbourne.com)>  
**Subject:** RE: Trade Letter Agreement

**\*\* External email. Use caution.\*\***

OK , but please make sure this trade is moving forward . Please keep us updated on the status . Thanks Clay .

Paul Haden  
Land Department  
Mewbourne Oil Company  
500 West Texas Ave., Suite 1020  
Midland, TX 79701-4279  
Office Phone: 432-682-3715  
Fax: 432-685-4170  
Cell: 432-557-2521

-----Original Message-----

**From:** Clay Haggard [[mailto:Clay\\_Haggard@eogresources.com](mailto:Clay_Haggard@eogresources.com)]  
**Sent:** Thursday, January 25, 2018 5:17 PM  
**To:** Paul Haden; Charles Moran; Clay Haggard  
**Cc:** Corey Mitchell; Cy Shook; Josh Anderson  
**Subject:** RE: Trade Letter Agreement

Paul

Everyone here at EOG has been busy with quarterly reviews. Everything on this list is in front of management and management asked for further information regarding some of the proposals. We will get Mewbourne answers on all of



the items listed in the agreement as soon as possible, but management cannot sign the Trade Letter Agreement at this time.

-----Original Message-----

From: Paul Haden [<mailto:phaden@Mewbourne.com>]

Sent: Monday, January 15, 2018 4:11 PM

To: Clay Haggard <[Clay\\_Haggard@eogresources.com](mailto:Clay_Haggard@eogresources.com)>; Charles Moran <[Charles\\_Moran@eogresources.com](mailto:Charles_Moran@eogresources.com)>

Cc: Corey Mitchell <[cmitchell@Mewbourne.com](mailto:cmitchell@Mewbourne.com)>; Cy Shook <[cshook@Mewbourne.com](mailto:cshook@Mewbourne.com)>; Josh Anderson <[janderson@Mewbourne.com](mailto:janderson@Mewbourne.com)>

Subject: Re: Trade Letter Agreement

**\*\* External email. Use caution.\*\***

Clay and Chuck , see attachment for your further handling . Please have it signed and I'll start working on the Partial Assignment of Oil and Gas Lease .

Paul Haden  
Land Department  
Mewbourne Oil Company  
500 West Texas Ave., Suite 1020  
Midland, TX 79701-4279  
Office Phone: 432-682-3715  
Fax: 432-685-4170  
Cell: 432-557-2521

-----Original Message-----

From: [midgeo@mewbourne.com](mailto:midgeo@mewbourne.com) [<mailto:midgeo@mewbourne.com>]

Sent: Monday, January 15, 2018 4:09 PM

To: Paul Haden

Subject:

-----  
TASKalfa 520i  
[00:c0:ee:7a:75:85]  
-----

## Paul Haden

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**From:** Clay Haggard <Clay\_Haggard@eogresources.com>  
**Sent:** Friday, February 09, 2018 9:56 AM  
**To:** Paul Haden  
**Cc:** Clay Haggard  
**Subject:** RE: Ibex 10 Joint Operating Agreement

I've got legal reviewing. I should have it back and signed by EOG next week.

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**From:** Paul Haden [mailto:phaden@Mewbourne.com]  
**Sent:** Friday, February 09, 2018 9:26 AM  
**To:** Clay Haggard <Clay\_Haggard@eogresources.com>  
**Subject:** RE: Ibex 10 Joint Operating Agreement

**\*\* External email. Use caution.\*\***

Clay , where are you on getting the Zeppelin JOA executed ? I need EOG to execute it before we can give EOG well information .

**Paul Haden**

Land Department



**Mewbourne Oil Company**

500 West Texas Ave., Suite 1020

Midland, TX 79701-4279

Office Phone: 432-682-3715

Fax: 432-685-4170

Cell: 432-557-2521

---

**From:** Clay Haggard [mailto:Clay\_Haggard@eogresources.com]  
**Sent:** Friday, February 09, 2018 8:27 AM  
**To:** Paul Haden  
**Cc:** Clay Haggard  
**Subject:** Ibex 10 Joint Operating Agreement

Paul

I'm trying to get this JOA signed and returned to Mewbourne.

Do you have the final percentages of the working interest owners?

Thanks.

*Clay Haggard, CPL*

Land Specialist, EOG Resources, Inc.  
5509 Champions Dr.

Midland, Texas 79706  
Office (432) 686-3722





## Paul Haden

---

**From:** Clay Haggard <Clay\_Haggard@eogresources.com>  
**Sent:** Friday, February 16, 2018 11:52 AM  
**To:** Paul Haden  
**Cc:** Clay Haggard  
**Subject:** RE: Ibex 10 Joint Operating Agreement

Paul

Management will sign the Joint Operating Agreements for the Ibex 10 and Zeppelin 32, subject to the following changes:

Zeppelin- Limit JOA to the producing formation only  
EOG needs receipt of the 40 acres in the south half of Section 32-23S-28E

Ibex- Limit JOA to producing formation only.

This one's out of my hands.

---

**From:** Paul Haden [<mailto:phaden@Mewbourne.com>]  
**Sent:** Friday, February 09, 2018 9:26 AM  
**To:** Clay Haggard <[Clay\\_Haggard@eogresources.com](mailto:Clay_Haggard@eogresources.com)>  
**Subject:** RE: Ibex 10 Joint Operating Agreement

**\*\* External email. Use caution. \*\***

Clay , where are you on getting the Zeppelin JOA executed ? I need EOG to execute it before we can give EOG well information .

Paul Haden  
Land Department

 **Mewbourne Oil Company**

500 West Texas Ave., Suite 1020  
Midland, TX 79701-4279  
Office Phone: 432-682-3715  
Fax: 432-685-4170  
Cell: 432-557-2521

---

**From:** Clay Haggard [[mailto:Clay\\_Haggard@eogresources.com](mailto:Clay_Haggard@eogresources.com)]  
**Sent:** Friday, February 09, 2018 8:27 AM  
**To:** Paul Haden  
**Cc:** Clay Haggard  
**Subject:** Ibex 10 Joint Operating Agreement

Paul

I'm trying to get this JOA signed and returned to Mewbourne.

Do you have the final percentages of the working interest owners?

Thanks.

*Clay Haggard, CPL*

Land Specialist, EOG Resources, Inc.

5509 Champions Dr.

Midland, Texas 79706

Office (432) 686-3722





Date: January 22, 2018

Simple Certified:

The following is in response to your January 22, 2018 request for delivery information on your Certified Mail™/RRE item number 9402810699945028346337. The delivery record shows that this item was delivered on January 22, 2018 at 11:49 am in MIDLAND, TX 79701. The scanned image of the recipient information is provided below.

Signature of Recipient :

  
Stevie Campbell

Address of Recipient :

PO Box 1389  
751

Thank you for selecting the Postal Service for your mailing needs.

If you require additional assistance, please contact your local Post Office or postal representative.

Sincerely,  
United States Postal Service

Costilla Energy, Inc  
C/O Compass Operating, LLC  
PO BOX 1389  
ATTN: MR. CADELL S. LIEDTKE  
MIDLAND, TX 79702  
Reference #: Zeppelin 32 WOLI St Corn #2H  
Item ID: Zeppelin 32 WOLI St Corn No2H



# MEWBOURNE OIL COMPANY

500 W. TEXAS, SUITE 1020  
MIDLAND, TEXAS 79701

(432) 682-3715  
FAX (432) 685-4170

January 19, 2018

Via Certified Mail

Costilla Energy, Inc.  
c/o Compass Operating, LLC  
P.O. Box 1389  
Midland, TX 79702-1389  
Attn: Mr. Cadell Liedtke

Re: Zeppelin 32 W0LI St. Com #2H Well  
SL: 2030'FSL & 205'FWL  
BHL: 2310'FSL & 330'FEL  
Section 32, T23S, R28E  
Eddy County, New Mexico

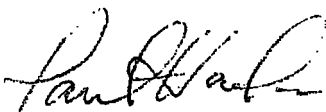
Gentlemen:

Mewbourne Oil Company (Mewbourne) as Operator hereby proposes to drill the referenced well at the referenced surface location in the captioned Section 32 and drill same horizontally to a terminus point at the referenced bottom hole location. The proposed well will be drilled to a true vertical depth of approximately 9,547 feet beneath the surface in the Wolfcamp formation and drilled horizontally therefrom from a westerly direction to an easterly direction in the Wolfcamp D Shale interval in the Wolfcamp formation for oil and gas production. The proposed well will be drilled to a true measured depth of approximately 14,163 feet to the above referenced bottom hole location. The S/2 of the captioned Section 32 will be dedicated to the well as its project area.

In reference to the above, enclosed for you further handling is our AFE dated September 5, 2017. Title examination indicates your firm owns a 18.75% leasehold interest in a 5.0 acre tract of land described as Malaga Tract #533 (0.9375 net acres). For our information, enclosed are the pertinent pages of our Drilling Title Opinion dated January 9, 2018 regarding your ownership. Please sign and return the enclosed AFE in the event you claim the referenced leasehold interest and desire to join I the proposed well. Upon receipt of same, I'll forward you our Operating Agreement for execution. Should you have any questions regarding the above please call me at 682-3715 or if by email, my email address is phaden@mewbourne.com.

Sincerely yours,

MEWBOURNE OIL COMPANY



D. Paul Haden  
Senior Landman

DPH/cb

# MEWBOURNE OIL COMPANY

500 W. TEXAS, SUITE 1020  
MIDLAND, TEXAS 79701

(432) 682-3715  
FAX (432) 685-4170

January 19, 2018

Via Certified Mail

Costilla Energy, Inc.  
c/o Compass Operating, LLC  
P.O. Box 1389  
Midland, TX 79702-1389  
Attn: Mr. Cadell Liedtke

Re: Zeppelin 32 W2LI St. Com #2H Well  
SL: 1980'FSL & 205'FWL  
BHL: 2310'FSL & 330'FEL  
Section 32, T23S, R28E  
Eddy County, New Mexico

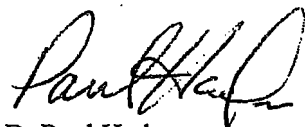
Gentlemen:

Mewbourne Oil Company (Mewbourne) as Operator hereby proposes to drill the referenced well at the referenced surface location in the captioned Section 32 and drill same horizontally to a terminus point at the referenced bottom hole location. The proposed well will be drilled to a true vertical depth of approximately 10,480 feet beneath the surface in the Wolfcamp formation and drilled horizontally therefrom from a westerly direction to an easterly direction in the Wolfcamp D Shale interval in the Wolfcamp formation for oil and gas production. The proposed well will be drilled to a true measured depth of approximately 15,050 feet to the above referenced bottom hole location. The S/2 of the captioned Section 32 will be dedicated to the well as its project area.

In reference to the above, enclosed for you further handling is our AFE dated September 5, 2017. Title examination indicates your firm owns a 18.75% leasehold interest in a 5.0 acre tract of land described as Malaga Tract #533 (0.9375 net acres). For our information, enclosed are the pertinent pages of our Drilling Title Opinion dated January 9, 2018 regarding your ownership. Please sign and return the enclosed AFE in the event you claim the referenced leasehold interest and desire to join I the proposed well. Upon receipt of same, I'll forward you our Operating Agreement for execution. Should you have any questions regarding the above please call me at 682-3715 or if by email, my email address is phaden@mewbourne.com.

Sincerely yours,

MEWBOURNE OIL COMPANY



D. Paul Haden  
Senior Landman

DPH/cb

## Paul Haden

---

**From:** Paul Haden  
**Sent:** Friday, January 05, 2018 9:36 AM  
**To:** 'primolandman@gmail.com'  
**Cc:** 'rossduncanproperties@gmail.com'  
**Subject:** Re: Zeppelin "32" WIU  
**Attachments:** 20180105102009439.pdf

Hi Ross . Mewbourne is forming a Working Interest Unit (WIU) covering all of the S/2 Sec 32 , T23S , R28E . Apparently Ross Duncan Properties , LLC owns a full mineral interest in Malaga Tract # 537 (W/2SW/4SW/4SE/4 ) Sec 32 , T23S , R28E . Mewbourne is planning to drill to horizontal Wolfcamp wells , one in a sand interval and one in a shale interval in the N/2S/2 Sec 32 . These wells will be drilled back to back with the first well scheduled to spud late next week . Attached FYI is a copy of our AFEs for each of the wells regarding your 1.5625% unit unleased interest . The referenced tract covers 5.0 net acres . I'll email you a formal well proposal of these wells next week . Mewbourne has been acquiring leases in this area for \$1,300/net acre for a 2 year primary term providing a 1/4 royalty interest . If you aren't interested in joining , are you interested in leasing on those terms ? We didn't contact you earlier as we were waiting on a Drilling Title Opinion . Its currently being typed up . In addition to drilling the referenced Wolfcamp wells , we will be drilling Bone Spring horizontals . I'll call you later this morning to discuss .

Paul Haden  
Land Department  
Mewbourne Oil Company  
500 West Texas Ave., Suite 1020  
Midland, TX 79701-4279  
Office Phone: 432-682-3715  
Cell: 432-557-2521

-----Original Message-----

From: Paul Haden [mailto:phaden@mewbourne.com]  
Sent: Friday, January 05, 2018 9:20 AM  
To: Paul Haden  
Subject: Message from "Ricoh-MP-C6003-MID-2"

This E-mail was sent from "Ricoh-MP-C6003-MID-2" (MP C6003).

Scan Date: 01.05.2018 10:20:09 (-0500)

# MEWBOURNE OIL COMPANY

500 W. TEXAS, SUITE 1020  
MIDLAND, TEXAS 79701

(432) 682-3715  
FAX (432) 685-4170

January 9, 2018

Ross Duncan Properties, LLC  
P.O. Box 647  
Artesia, NM 88211-0647  
Attn: Mr. Ross Duncan

Re: Zeppelin 32 W2IL State Com #2H Well  
SL: 1700'FSL & 205'FEL  
BHL: 2310'FSL & 330'FWL  
Section 32, T23S, R28E  
Eddy County, New Mexico

Dear Ross:

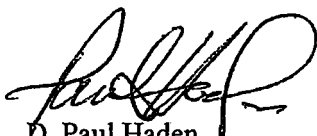
As discussed, Mewbourne Oil Company (Mewbourne) as Operator hereby proposes to drill the referenced well at the referenced surface location in Section 32 and drill same horizontally to a terminus point at the referenced bottom hole location in the captioned Section 32. The proposed well will be drilled to a true vertical depth of approximately 10,480 feet beneath the surface at the referenced surface location in the Wolfcamp formation and drilled horizontally therefrom from an easterly direction to a westerly direction in the Wolfcamp D Shale interval in the Wolfcamp formation for oil and gas production. The proposed well will be drilled to a true measure depth of approximately 15,050 feet to the above referenced bottom hole location. The S/2 of the captioned Section 32 will be dedicated to the well as its project area.

In reference to the above, enclosed for your further handling is our AFE dated September 5, 2017. Also enclosed for your further handling is our proposed Operating Agreement dated October 15, 2017, a Recording Supplement regarding same and the signature and acknowledgement pages of the JOA, GBA and Recording Supplement prepared for your execution. Public records indicate your firm owns a full unleased mineral interest in Malaga Tract No. 537 which covers the W/2SW/4SW/4SE/4 of the captioned Section 32 which covers 5.0 acres, more or less. Pending title examination for drilling purposes, the referenced well is currently scheduled to spud on or about mid January, 2018.

Should you have any questions regarding the above, please call me at (432) 682-3715 or if by email, my email address is [phaden@mewbourne.com](mailto:phaden@mewbourne.com).

Sincerely yours,

MEWBOURNE OIL COMPANY



D. Paul Haden  
Senior Landman

DPH/ak



# MEWBOURNE OIL COMPANY

500 W. TEXAS, SUITE 1020  
MIDLAND, TEXAS 79701

(432) 682-3715  
FAX (432) 685-4170

January 9, 2018

Ross Duncan Properties, LLC  
P.O. Box 647  
Artesia, NM 88211-0647  
Attn: Mr. Ross Duncan

Re: Zeppelin 32 W0IL State Com #1H Well  
SL: 1650'FSL & 205'FEL  
BHL: 2310'FSL & 330'FWL  
Section 32, T23S, R28E  
Eddy County, New Mexico

Dear Ross:

Mewbourne Oil Company (Mewbourne) as Operator hereby proposes to drill the referenced well at the referenced surface location in Section 32 and drill same horizontally to a terminus point at the referenced bottom hole location in the captioned Section 32. The proposed well will be drilled to a true vertical depth of approximately 9,547 feet beneath the surface at the referenced surface location in the Wolfcamp formation and drilled horizontally therefrom from an easterly direction to a westerly direction in a Wolfcamp Sand interval in the Wolfcamp formation for oil and gas production. The proposed well will be drilled to a true measure depth of approximately 14,163 feet to the above referenced bottom hole location. The S/2 of the captioned Section 32 will be dedicated to the well as its project area.

In reference to the above, enclosed for your further handling is our AFE dated June 28, 2017. The captioned proposed well will be drilled back to back with the proposed Zeppelin 32 W2IL State Com #2H Well. At your earliest convenience, please have the AFEs signed and returned to me with the signature and acknowledgment pages of the JOA, GBA and Recording Supplement in the event you elect to participate in the proposed wells.

Sincerely yours,

MEWBOURNE OIL COMPANY



D. Paul Haden  
Senior Landman

DPH/ak

## Paul Haden

**From:** TrackingUpdates@fedex.com  
**Sent:** Wednesday, February 07, 2018 2:42 PM  
**To:** Paul Haden  
**Subject:** FedEx Shipment 771419930215 Delivered

# Your package has been delivered

Tracking # 771419930215

Ship date:  
Tue, 2/6/2018

Paul Haden  
Mewbourne Oil Company  
Midland, TX 79701  
US

Delivery date:  
Wed, 2/7/2018 3:36 pm

Mr. Jay B Cromwell  
200 SE Sundial PL, Apt #104  
LAKE CITY, FL 32025  
US

Delivered

## Personalized Message

MOC's Zeppelin "32" Prospect

## Shipment Facts

Our records indicate that the following package has been delivered.

<b>Tracking number:</b>	<u>771419930215</u>
<b>Status:</b>	Delivered: 02/07/2018 3:36 PM Signed for By: R.WATSON
<b>Reference:</b>	MOC's Zeppelin "32" Prospect
<b>Signed for by:</b>	R.WATSON
<b>Delivery location:</b>	LAKE CITY, FL
<b>Delivered to:</b>	Apartment Office
<b>Service type:</b>	FedEx Standard Overnight
<b>Packaging type:</b>	FedEx Envelope
<b>Number of pieces:</b>	1
<b>Weight:</b>	0.50 lb.
<b>Special handling/Services:</b>	Deliver Weekday Residential Delivery
<b>Standard transit:</b>	2/7/2018 by 8:00 pm

# MEWBOURNE OIL COMPANY

500 W. TEXAS, SUITE 1020  
MIDLAND, TEXAS 79701

(432) 682-3715  
FAX (432) 685-4170

February 6, 2018

Via Overnight Mail (386) 466-2018

Mr. Jay B. Cromwell  
200 SE Sundial Pl., Apt. #104  
Lake City, FL 32025

Re: MOC's Zeppelin "32" Prospect  
S/2 Section 3, T23S, R28E  
Eddy County, New Mexico

Dear Mr. Cromwell:

We are attempting to cure certain title defects regarding the W/2SW/4SW/4SE/4 (Malaga Tract \$537) the captioned Section 32 wherein you apparently owned the mineral rights. In that certain mineral deed effective May 1, 2011 you conveyed all of your right, title and interest in minerals in said land to Ross Duncan Properties, LLC (See copy enclosed). However, there is no chain of title into you as to such ownership. Apparently you may be related to Lewis Milton Cromwell who died July 12, 1997 in Jupiter, Florida in Palm Beach County whose wife was Elaine I. Cromwell who apparently died in 1998.

Regarding the above, I've enclosed a copy of Page 1,2,10, and 35 of our Drilling Title Opinion dated January 9, 2018. Please refer to the Title Requirement No. 25 on Page 35 regarding the Cromwell title in the reference land. In this regard, please advise me as to how you acquired your interest in the referenced land. Do you know where (what County) Lewis M. Cromwell's Estate was Probated? How about Elaine I. Cromwell's? Do you have a copy of their Death Certificates? So that we can prepare an Affidavit of Heirship to cure title to ownership in the reference land, please furnish me the following information whereby you can fill in the respective information below each question.

1. What County is Lewis M. Cromwell's Estate probated?

County: \_\_\_\_\_

2. What County is Elaine I. Cromwell's Estate probated?

County: \_\_\_\_\_

3. Who were the surviving children?

a.  
b.  
c.  
d.  
e.

4. Any grandchildren?

a.  
b.  
c.  
d.

- e.
- f.

5. Are any of the above children or grandchildren still living? Please also give their address if you have them.

- a.
- b.
- c.
- d.
- e.
- f.
- g.
- h.
- i.
- j.

Regarding the above, what relation are you to Lewis M. Cromwell and Elaine I. Cromwell?

In reference to the above, any information which you could give us would be helpful and truly appreciated. Also, please provide me with your phone number for future reference. After you've received this letter, please call me at (o) (432)682-3715 or (c) (432)557-2521. My email address is [phaden@mebourne.com](mailto:phaden@mebourne.com). For your convenience, I've included a postage paid envelop for you to return this letter to me which include the above requested information.

Sincerely yours,

**MEWBOURNE OIL COMPANY**



D. Paul Haden  
Senior Landman  
DPH/cb

XC: Ross Duncan Properties LLC  
PO Box 647  
Artesia, NM 88211-0647



## Paul Haden

---

**From:** Ross Duncan <primolandman@gmail.com>  
**Sent:** Monday, January 22, 2018 2:08 PM  
**To:** Paul Haden  
**Subject:** Re: Zeppelin 32 Drilling Title Opinion

Paul-

I got with my attorney on a QTS, and there's going to have to be a lot of investigative work performed before we can file for a QTS.

Since the Zeppelin has spudded and I'll be getting JIB'd soon (with no chance of getting paid due to title requirement). The only way I'll get paid is for Mewbourne to waive my requirement or let me hold them harmless from any claims that might arise. If not, I'd like to lease to Mewbourne giving me time to clear up the interest without being out of pocket \$200K+ waiting to get paid. I'm several months out from getting a Judgement to clear this thing up.

Please let me know what you want to do here. Hope all is well.

Thanks;  
Ross

On 1/16/18, 12:10 PM, "Paul Haden" <[phaden@Mewbourne.com](mailto:phaden@Mewbourne.com)> wrote:

Ross, the QTS would be for your protection and benefit. All we know is that we can not confirm how Jay Cromwell acquired his title. We can assume that he might have been a son of Lewis and Elaine Cromwell. Whether or not there were other siblings remains a mystery. A QTS should

cure your title and would be the smartest thing to do for your own sake. Who knows if somebody else may come out of the woodwork once these

wells are drilled which wells should be very good. Let me know what you plan to do after you talk to your attorney.

Paul Haden  
Land Department  
Mewbourne Oil Company  
500 West Texas Ave., Suite 1020  
Midland, TX 79701-4279  
Office Phone: 432-682-3715  
Fax: 432-685-4170  
Cell: 432-557-2521

-----Original Message-----

From: Ross Duncan [<mailto:primolandman@gmail.com>]  
Sent: Tuesday, January 16, 2018 11:00 AM  
To: Paul Haden  
Subject: Re: Zeppelin 32 Drilling Title Opinion

Paul-

At this point, I've been going through all the people search programs in my arsenal and can't find anything on this family other than date of death, and that they lived in FL. I've searched all obits for the three of them and can't find anything. I'll keep searching, and will be talking to my attorney to see how hard it would be to file a QTS.

Thanks,  
Ross

On 1/16/18, 9:50 AM, "Paul Haden" <[phaden@Mewbourne.com](mailto:phaden@Mewbourne.com)> wrote:

Ross, we'll work with you on it. Any way to find the heirs of Jay Cromwell to find a copy of the Wills for Lewis M. Cromwell, et ux or anyone that could execute an Affidavit of Heirship?

Paul Haden  
Land Department  
Mewbourne Oil Company  
500 West Texas Ave., Suite 1020  
Midland, TX 79701-4279  
Office Phone: 432-682-3715  
Fax: 432-685-4170  
Cell: 432-557-2521

-----Original Message-----

From: Ross Duncan [<mailto:primolandman@gmail.com>]  
Sent: Tuesday, January 16, 2018 10:27 AM  
To: Paul Haden  
Subject: Re: Zeppelin 32 Drilling Title Opinion

Good Morning Paul-

I see that there's a title requirement burdening my interest dealing with the succession of interest of Lewis M. Cromwell, et ux. I pulled my file and it looks like Lewis and his wife died in the late 90s. Jay Cromwell (believed to be deceased), their son, entered into oil and gas leases on the property subsequent to his parent's death until the point in time when he sold to me. From what I understand from talking to Jay he was the sole heir. Of course, proper probate of a will for Cromwell's parents was never filed in NM giving him clear title... I'm not sure a will ever existed. Is Mewbourne willing to waive this title requirement if Ross Duncan Properties LLC will indemnify and hold it harmless from any issues that may arise? To me, this will be the easiest route without having to Quiet Title Sue on such a small tract. Please let me know.

Thanks,  
Ross

On 1/15/18, 3:34 PM, "Paul Haden" <[phaden@Mewbourne.com](mailto:phaden@Mewbourne.com)> wrote:

To all, see attached Drilling Title Opinion for your file and information.

Paul Haden  
Land Department

# MEWBOURNE OIL COMPANY

500 W. TEXAS, SUITE 1020  
MIDLAND, TEXAS 79701

(432) 682-3715  
FAX (432) 685-4170

July 27, 2017

Via Email Justin.Hall@wpenergy.com  
and Certified Mail

RKI Exploration & Production, LLC  
3500 One Williams Center, MD 35  
Tulsa, OK 74172  
Attn: Mr. Justin R. Hall

Re: Zeppelin 32 W0PM State Com #2H Well  
SL: 500'FSL & 360'FWL (Section 33)  
BHL: 450'FSL & 330'FWL (Section 32)  
T23S, R28E  
Eddy County, New Mexico

Gentlemen:

Mewbourne Oil Company (Mewbourne) as Operator hereby proposes to drill the referenced well at the referenced surface location in Section 33 and drill same horizontally to a terminus point at the referenced bottom hole location in the captioned Section 32. The proposed well will be drilled to a true vertical depth of approximately 9,560 feet beneath the surface at the referenced surface location in the Wolfcamp formation and drilled horizontally therefrom from an easterly direction to a westerly direction in the upper Wolfcamp Sand interval in the Wolfcamp formation for oil and gas production. The proposed well will be drilled to a true measure depth of approximately 14,700 feet to the above referenced bottom hole location. The S/2 of the captioned Section 32 will be dedicated to the well as its project area.

In reference to the above, enclosed for your further handling is our AFE dated June 29, 2017. Under separate cover I will forward you our proposed Operating Agreement which will cover all depths from the surface to the base of the Wolfcamp formation. Public records indicate your firm owns a full interest in the Stephen Glenn Hopkins lease dated October 10, 2016, recorded Book 1088, page 937, Eddy County Records which covers the E/2NW/4SE/4SE/4 (Malaga Tract #534) of the captioned Section 32, which tract covers 5.0 acres. Pending title examination for drilling purposes, the referenced well is currently scheduled to spud on or about January 1, 2018.

Should you have any questions regarding the above, please call me at (432) 682-3715 or if by email, my email address is [phaden@mewbourne.com](mailto:phaden@mewbourne.com).

Sincerely yours,

MEWBOURNE OIL COMPANY



D. Paul Haden  
Senior Landman

DPH/ak



**UNITED STATES  
POSTAL SERVICE**

Date: July 31, 2017

Simple Certified:

The following is in response to your July 31, 2017 request for delivery information on your Certified Mail™/RRE item number 9414810699945024506549. The delivery record shows that this item was delivered on July 31, 2017 at 10:40 am in TULSA, OK 74172. The scanned image of the recipient information is provided below.

Signature of Recipient :

Address of Recipient :

Thank you for selecting the Postal Service for your mailing needs.

If you require additional assistance, please contact your local Post Office or postal representative.

Sincerely,  
United States Postal Service

Justin R. Hall  
RKI Exploration and Production LLC  
3500 ONE WILLIAMS CTR MD 35  
TULSA, OK 74172  
Reference #: Zeppelin 32 W0PM #2H PH  
Item ID: Zeppelin 32 W0PM No 2H

## Paul Haden

---

**From:** Paul Haden  
**Sent:** Thursday, July 27, 2017 2:54 PM  
**To:** 'Justin.Hall@wpenergy.com'  
**Subject:** Re: Zeppelin 32 W0OP St Com #2H Well - Zeppelin "32" WIU  
**Attachments:** 20170727154732319.pdf

Justin , attached for your further handling is a well proposal letter and AFE regarding the captioned well . Mewbourne as Operator proposes to drill the referenced well as an initial well for the proposed Working Interest Unit (WIU) covering the S/2 of Section 32 , T23S , R28E . Let me know if you have any questions . In the event RKI elects not to participate , we would be agreeable to acquiring a Farmout or Term Assignment covering RKI's interest .

Paul Haden  
Land Department  
Mewbourne Oil Company  
500 West Texas Ave., Suite 1020  
Midland, TX 79701-4279  
Office Phone: 432-682-3715  
Fax: 432-685-4170  
Cell: 432-557-2521

-----Original Message-----

**From:** Paul Haden [<mailto:phaden@mewbourne.com>]  
**Sent:** Thursday, July 27, 2017 2:48 PM  
**To:** Paul Haden  
**Subject:** Message from "Ricoh-MP-C6003-MID-2"

This E-mail was sent from "Ricoh-MP-C6003-MID-2" (MP C6003).

Scan Date: 07.27.2017 15:47:32 (-0400)





**UNITED STATES  
POSTAL SERVICE**

Date: September 11, 2017

Simple Certified:

The following is in response to your September 11, 2017 request for delivery information on your Certified Mail™/RRE item number 9414810699945025500874. The delivery record shows that this item was delivered on September 11, 2017 at 7:09 am in TULSA, OK 74121. The scanned image of the recipient information is provided below.

Signature of Recipient :

Address of Recipient :

Thank you for selecting the Postal Service for your mailing needs.

If you require additional assistance, please contact your local Post Office or postal representative.

Sincerely,  
United States Postal Service

Attn: Justin R. Hall  
RKI Exploration and Production LLC  
3500 ONE WILLIAMS CTR MD 35  
TULSA, OK 74172  
Reference #: Zeppelin 32 W01L No1H and W21L No2H PH  
Item ID: Zeppelin 32 W01L No1H and W21L No2H

# MEWBOURNE OIL COMPANY

500 W. TEXAS, SUITE 1020  
MIDLAND, TEXAS 79701

(432) 682-3715  
FAX (432) 685-4170

September 8, 2017

Via Email Justin.Hall@wpenergy.com  
and Certified Mail

RKI Exploration & Production, LLC  
3500 One Williams Center, MD 35  
Tulsa, OK 74172  
Attn: Mr. Justin R. Hall

Re: Zeppelin 32 W0IL State Com #1H Well  
SL: 1650'FSL & 205'FEL  
BHL: 2310'FSL & 330'FWL  
Section 32, T23S, R28E  
Eddy County, New Mexico

Gentlemen:

Mewbourne Oil Company (Mewbourne) as Operator hereby proposes to drill the referenced well at the referenced surface location in Section 32 and drill same horizontally to a terminus point at the referenced bottom hole location in the captioned Section 32. The proposed well will be drilled to a true vertical depth of approximately 9,547 feet beneath the surface at the referenced surface location in the Wolfcamp formation and drilled horizontally therefrom from an easterly direction to a westerly direction in a Wolfcamp Sand interval in the Wolfcamp formation for oil and gas production. The proposed well will be drilled to a true measure depth of approximately 14,163 feet to the above referenced bottom hole location. The S/2 of the captioned Section 32 will be dedicated to the well as its project area.

In reference to the above, enclosed for your further handling is our AFE dated June 28, 2017. The captioned proposed well will be drilled back to back with the proposed Zeppelin 32 W2IL State Com #2H Well.

Should you have any questions regarding the above, please call me at (432) 682-3715 or if by email, my email address is [phaden@mewbourne.com](mailto:phaden@mewbourne.com).

Sincerely yours,

MEWBOURNE OIL COMPANY



D. Paul Haden  
Senior Landman

DPH/ak

# MEWBOURNE OIL COMPANY

500 W. TEXAS, SUITE 1020  
MIDLAND, TEXAS 79701

(432) 682-3715  
FAX (432) 685-4170

September 8, 2017

Via Email Justin.Hall@wpenergy.com  
and Certified Mail

RKI Exploration & Production, LLC  
3500 One Williams Center, MD 35  
Tulsa, OK 74172  
Attn: Mr. Justin R. Hall

Re: Zeppelin 32 W2IL State Com #2H Well  
SL: 1700'FSL & 205'FEL  
BHL: 2310'FSL & 330'FWL  
Section 32, T23S, R28E  
Eddy County, New Mexico

Gentlemen:

Mewbourne Oil Company (Mewbourne) as Operator hereby proposes to drill the referenced well at the referenced surface location in Section 32 and drill same horizontally to a terminus point at the referenced bottom hole location in the captioned Section 32. The proposed well will be drilled to a true vertical depth of approximately 10,480 feet beneath the surface at the referenced surface location in the Wolfcamp formation and drilled horizontally therefrom from an easterly direction to a westerly direction in the Wolfcamp D Shale interval in the Wolfcamp formation for oil and gas production. The proposed well will be drilled to a true measure depth of approximately 15,050 feet to the above referenced bottom hole location. The S/2 of the captioned Section 32 will be dedicated to the well as its project area.

In reference to the above, enclosed for your further handling is our AFE dated September 5, 2017. Under separate cover I will forward you our proposed Operating Agreement which will cover all depths from the surface to the base of the Wolfcamp formation. Public records indicate your firm owns a full interest in State Lease VA-806-2 covering the N/2SW/4 and SW/4SW/4 of the captioned Section 32. Pending title examination for drilling purposes, the referenced well is currently scheduled to spud on or about mid January, 2018. The captioned proposed well is in complete substitution for the previously proposed Zeppelin 32 W0PM State Com #2H Well.

Should you have any questions regarding the above, please call me at (432) 682-3715 or if by email, my email address is [phaden@mewbourne.com](mailto:phaden@mewbourne.com).

Sincerely yours,

MEWBOURNE OIL COMPANY



D. Paul Haden  
Senior Landman

## Paul Haden

---

**From:** Paul Haden  
**Sent:** Friday, September 08, 2017 3:09 PM  
**To:** 'Justin.Hall@wpxenergy.com'  
**Subject:** Re: Zeppelin "32" Wells  
**Attachments:** 20170908155805592.pdf

Justin , see attached well proposal letters and AFEs . We are withdrawing the Zeppelin 32 WOPM St Com #2H Well that was previously propose to be drilled in the S/2S/2 Sec 32 . The attached wells will be drilled in the N/2S/2 Sec 32 back to back commencing in late January , 2018 of early February .If RKI isn't going to participate in these wells we'd take a farmout or term assignment .

Paul Haden  
Land Department  
Mewbourne Oil Company  
500 West Texas Ave., Suite 1020  
Midland, TX 79701-4279  
Office Phone: 432-682-3715  
Fax: 432-685-4170  
Cell: 432-557-2521

-----Original Message-----

**From:** Paul Haden [<mailto:phaden@mewbourne.com>]  
**Sent:** Friday, September 08, 2017 2:58 PM  
**To:** Paul Haden  
**Subject:** Message from "Ricoh-MP-C6003-MID-2"

This E-mail was sent from "Ricoh-MP-C6003-MID-2" (MP C6003).

Scan Date: 09.08.2017 15:58:05 (-0400)

## Paul Haden

---

**From:** Paul Haden  
**Sent:** Thursday, October 12, 2017 1:54 PM  
**To:** 'Weindorf, Mallory'  
**Cc:** Hall, Justin  
**Subject:** RE: [EXTERNAL] Re: Zeppelin "32" Wells

I'll send it to you . Thanks Mallory .

Paul Haden  
Land Department  
Mewbourne Oil Company  
500 West Texas Ave., Suite 1020  
Midland, TX 79701-4279  
Office Phone: 432-682-3715  
Fax: 432-685-4170  
Cell: 432-557-2521

-----Original Message-----

**From:** Weindorf, Mallory [<mailto:Mallory.Weindorf@wpenergy.com>]  
**Sent:** Thursday, October 12, 2017 1:48 PM  
**To:** Paul Haden  
**Cc:** Hall, Justin  
**Subject:** RE: [EXTERNAL] Re: Zeppelin "32" Wells

Thanks, Paul. I handle Justin's mail so either will work. Our Vice-President of Land, Greg Geist, executes on behalf of RKI.

Mallory Weindorf  
Senior Land Data Tech - Permian Basin  
WPX Energy, Inc.  
3500 One Williams Center  
P.O. Box 3102, 35th floor  
Tulsa, OK 74172-0135  
Direct: 539-573-3525  
[mallory.weindorf@wpenergy.com](mailto:mallory.weindorf@wpenergy.com)

-----Original Message-----

**From:** Paul Haden [<mailto:phaden@Mewbourne.com>]  
**Sent:** Thursday, October 12, 2017 1:42 PM  
**To:** Weindorf, Mallory <[Mallory.Weindorf@wpenergy.com](mailto:Mallory.Weindorf@wpenergy.com)>  
**Cc:** Hall, Justin <[Justin.Hall@wpenergy.com](mailto:Justin.Hall@wpenergy.com)>  
**Subject:** RE: [EXTERNAL] Re: Zeppelin "32" Wells



Mallory , I'll have it to you next week . Should I send it to your attention or Justin's ? Who will be executing it on behalf of WPX and in what capacity ?

Paul Haden  
Land Department  
Mewbourne Oil Company  
500 West Texas Ave., Suite 1020  
Midland, TX 79701-4279  
Office Phone: 432-682-3715  
Fax: 432-685-4170  
Cell: 432-557-2521

-----Original Message-----

From: Weindorf, Mallory [<mailto:Mallory.Weindorf@wpxenergy.com>]  
Sent: Thursday, October 12, 2017 1:37 PM  
To: Paul Haden  
Cc: Hall, Justin  
Subject: FW: [EXTERNAL] Re: Zeppelin "32" Wells

Hi Paul,

Just wondering the status of Mewbourne's Operating Agreement for the Zeppelin wells; the attached proposal letter for the #2H states that it would be forwarded under separate cover but we have yet to receive it.

Thanks!

Mallory Weindorf  
Senior Land Data Tech - Permian Basin  
WPX Energy, Inc.  
3500 One Williams Center  
P.O. Box 3102, 35th floor  
Tulsa, OK 74172-0135  
Direct: 539-573-3525  
[mallory.weindorf@wpxenergy.com](mailto:mallory.weindorf@wpxenergy.com)

-----Original Message-----

From: Paul Haden [<mailto:phaden@Mewbourne.com>]  
Sent: Friday, September 08, 2017 3:09 PM  
To: Hall, Justin <[Justin.Hall@wpxenergy.com](mailto:Justin.Hall@wpxenergy.com)>  
Subject: [EXTERNAL] Re: Zeppelin "32" Wells

---

CAUTION: This email was sent from an EXTERNAL source. Use caution when clicking links or opening attachments.

---

Justin , see attached well proposal letters and AFEs . We are withdrawing the Zeppelin 32 WOPM St Com #2H Well that was previously propose to be drilled in the S/2S/2 Sec 32 . The attached wells will be drilled in the N/2S/2 Sec 32 back to

back commencing in late January , 2018 of early February .If RKL isn't going to participate in these wells we'd take a farmout or term assignment .

Paul Haden  
Land Department  
Mewbourne Oil Company  
500 West Texas Ave., Suite 1020  
Midland, TX 79701-4279  
Office Phone: 432-682-3715  
Fax: 432-685-4170  
Cell: 432-557-2521

-----Original Message-----

From: Paul Haden [<mailto:phaden@mewbourne.com>]  
Sent: Friday, September 08, 2017 2:58 PM  
To: Paul Haden  
Subject: Message from "Ricoh-MP-C6003-MID-2"

This E-mail was sent from "Ricoh-MP-C6003-MID-2" (MP C6003).

Scan Date: 09.08.2017 15:58:05 (-0400)

# MEWBOURNE OIL COMPANY

500 W. TEXAS, SUITE 1020  
MIDLAND, TEXAS 79701

(432) 682-3715  
FAX (432) 685-4170

October 23, 2017

Via Overnight Mail

RKI Exploration & Production, LLC  
3500 One Williams Center  
Tulsa, OK 74172-0135  
Attn: Mallory Weindorf

Re: Zeppelin "32" WIU  
S/2 Section 32  
T23S, R28E  
Eddy County, New Mexico

Dear Mallory:

Enclosed for your further handling regarding the captioned WIU are the following:

- 1) File copy of proposed Operating Agreement dated October 15, 2017.
- 2) File copy of Recording Supplement of the Operating Agreement.
- 3) Signature and acknowledgment pages of the JOA, GBA, and Recording Supplement.

Upon approval, please have the referenced signature and acknowledgment pages executed and returned to me at your earliest convenience with the signed AFE for the proposed Zeppelin 32 W0IL State Com #1H Well and the AFE for the proposed Zeppelin 32 W2IL State Com #2H Well.

Sincerely yours,

MEWBOURNE OIL COMPANY



D. Paul Haden  
Senior Landman  
DPH/ak

## Paul Haden

---

**From:** Paul Haden  
**Sent:** Wednesday, November 01, 2017 11:19 AM  
**To:** 'Mallory.Weindorf@wpenergy.com'  
**Subject:** Re: Zeppelin 32 Wells  
**Attachments:** 20171101115236905.pdf

Mallory , attached for your further handling are revised AFEs for the proposed wells and revised Page 5 of the JOA regarding the description of the surface and bottom hole locations for the Initial Well. The surface locations were changed as the previous locations were unacceptable to the surface owner due to the location of the surface owner's pond and to accommodate a larger drilling pad for the proposed wells . Please substitute these revised AFEs and revised Page 5 for the ones currently in your possession . Thanks Mallory .

Paul Haden  
Land Department  
Mewbourne Oil Company  
500 West Texas Ave., Suite 1020  
Midland, TX 79701-4279  
Office Phone: 432-682-3715  
Fax: 432-685-4170  
Cell: 432-557-2521

-----Original Message-----

**From:** Paul Haden [<mailto:phaden@mewbourne.com>]  
**Sent:** Wednesday, November 01, 2017 10:53 AM  
**To:** Paul Haden  
**Subject:** Message from "Ricoh-MP-C6003-MID-2"

This E-mail was sent from "Ricoh-MP-C6003-MID-2" (MP C6003).

Scan Date: 11.01.2017 11:52:36 (-0400)

## Paul Haden

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**From:** Paul Haden  
**Sent:** Friday, January 12, 2018 4:00 PM  
**To:** 'Justin.Hall@wpenergy.com'; 'Mallory.Weindorf@wpenergy.com'  
**Cc:** Corey Mitchell  
**Subject:** RE: Zeppelin "32" GBA

Justin and Mallory , the Zeppelin 32 W2IL St Com #2H will spud early next week . I still need the signed AFEs for both proposed wells , your Well Requirements and the executed JOA , GBA and Recording Supplement signature and acknowledgment pages asap . Let me know if there are any problems with getting these to me or we will be filing a Pooling Application soon for both wells . We have to pool some unlocateables anyway .

Thanks , have a great weekend .

Paul Haden  
Land Department  
Mewbourne Oil Company  
500 West Texas Ave., Suite 1020  
Midland, TX 79701-4279  
Office Phone: 432-682-3715  
Fax: 432-685-4170  
Cell: 432-557-2521

-----Original Message-----

**From:** Paul Haden  
**Sent:** Tuesday, January 09, 2018 10:05 AM  
**To:** [Justin.Hall@wpenergy.com](mailto:Justin.Hall@wpenergy.com); [Mallory.Weindorf@wpenergy.com](mailto:Mallory.Weindorf@wpenergy.com)  
**Subject:** Re: Zeppelin "32" GBA

Justin and Mallory , attached for your further handling is the revised GBA for the JOA dated 10/15/2017 for the Zeppelin '32' WIU covering the S/2 Sec 32 , T23S , R28E . Please substitute this for the one currently in your possession . This is the mutually agreed form of GBA between MOC and RKI . The Zeppelin 32 W0LI St Com #1H Well will probably spud later this week so please have the signature and acknowledgment pages of the JOA , GBA and Recording Supplement executed and returned to me at your very earliest convenience with the signed AFEs for the referenced well and Zeppelin 32 W2LI St Com #2H with RKI's Well Requirements .

Paul Haden  
Land Department  
Mewbourne Oil Company  
500 West Texas Ave., Suite 1020  
Midland, TX 79701-4279  
Office Phone: 432-682-3715  
Fax: 432-685-4170  
Cell: 432-557-2521

## Paul Haden

---

**From:** Hall, Justin <Justin.Hall@wpxenergy.com>  
**Sent:** Friday, January 12, 2018 4:37 PM  
**To:** Paul Haden; Weindorf, Mallory  
**Cc:** Corey Mitchell  
**Subject:** RE: [EXTERNAL] RE: Zeppelin "32" GBA

Hi Paul - The JOA and GBA are with our legal department for review. To save us a little back and forth, here are the comments that I had on the JOA. Take a look and let me know if you have any issues with these changes. I will let you know early next week if we have any additional comments from our legal group.

*after agreement*  
Mewbourne Zeppelin JOA changes:

- No* 1) Pg. 12, Art. VII.B-Liens and Security Interests: Please add the following language at the beginning of the 3rd paragraph (line 34): Except as otherwise provided in Article XVI.E.  
a. Language for Article XVI.E.: Notwithstanding anything herein to the contrary, RKI Exploration & Production, LLC's interest in the Oil and Gas Leases and oil and Gas Interests in the Contract Area is subject to a first and prior lien pursuant to that certain Line of Credit Collateral Real Estate Mortgage, Fixture Filing, Assignment of As-Extracted Collateral, Security Agreement and Financing Statement dated June 3, 2016 for the benefit of Wells Fargo Bank, National Association, as Administrative Agent, filed as Reception #1607323, B1077, P380, on July 14, 2016, in Eddy County, New Mexico.
- ✓* 2) Pg. 15, Art. VIII.D-Assignment: Maintenance of Uniform Interest: Please strike the 1st paragraph (lines 7-13).
- ✓* 3) Pg. 15, Art. VIII.F -Preferential Right to Purchase: Please strike entire provision from the JOA.
- No* 4) Pg. 17, Art. XV.A: Please select Option No. 2
- No* 5) Pg. 18, Art. XVI: Please include language listed above under item #1.a.
- ✓* 6) COPAS, Pg. 9, 1. A. (ii) Technical Services: Use Alternative 3 as opposed to Alternative 2.
- No* 7) Pg. 2, Model Form Recording Supplement- 3B: Please add: "Except as otherwise provided for in Article XVI.E. of the Operating Agreement," to the beginning of the paragraph.

Thanks,

Justin R. Hall  
Staff Landman - Permian Basin

WPX ENERGY  
3500 One Williams Center, MD 35  
Tulsa, OK 74172  
(539) 573-8967 (O)

-----Original Message-----

**From:** Paul Haden [mailto:phaden@Mewbourne.com]  
**Sent:** Friday, January 12, 2018 4:00 PM  
**To:** Hall, Justin <Justin.Hall@wpxenergy.com>; Weindorf, Mallory <Mallory.Weindorf@wpxenergy.com>  
**Cc:** Corey Mitchell <cmitchell@Mewbourne.com>  
**Subject:** [EXTERNAL] RE: Zeppelin "32" GBA

---

CAUTION: This email was sent from an EXTERNAL source. Use caution when clicking links or opening attachments.

---

Justin and Mallory , the Zeppelin 32 W2LI St Com #2H will spud early next week . I still need the signed AFEs for both proposed wells , your Well Requirements and the executed JOA , GBA and Recording Supplement signature and acknowledgment pages asap . Let me know if there are any problems with getting these to me or we will be filing a Pooling Application soon for both wells . We have to pool some unlocateables anyway .  
Thanks , have a great weekend .

Paul Haden  
Land Department  
Mewbourne Oil Company  
500 West Texas Ave., Suite 1020  
Midland, TX 79701-4279  
Office Phone: 432-682-3715  
Fax: 432-685-4170  
Cell: 432-557-2521

-----Original Message-----

From: Paul Haden  
Sent: Tuesday, January 09, 2018 10:05 AM  
To: [Justin.Hall@wpxenergy.com](mailto:Justin.Hall@wpxenergy.com); [Mallory.Weindorf@wpxenergy.com](mailto:Mallory.Weindorf@wpxenergy.com)  
Subject: Re: Zeppelin "32" GBA

Justin and Mallory , attached for your further handling is the revised GBA for the JOA dated 10/15/2017 for the Zeppelin '32' WIU covering the S/2 Sec 32 , T23S , R28E . Please substitute this for the one currently in your possession . This is the mutually agreed form of GBA between MOC and RKI . The Zeppelin 32 WOLI St Com #1H Well will probably spud later this week so please have the signature and acknowledgment pages of the JOA , GBA and Recording Supplement executed and returned to me at your very earliest convenience with the signed AFEs for the referenced well and Zeppelin 32 W2LI St Com #2H with RKI's Well Requirements .

Paul Haden  
Land Department  
Mewbourne Oil Company  
500 West Texas Ave., Suite 1020  
Midland, TX 79701-4279  
Office Phone: 432-682-3715  
Fax: 432-685-4170  
Cell: 432-557-2521

-----Original Message-----

From: Paul Haden [<mailto:phaden@mewbourne.com>]  
Sent: Tuesday, January 09, 2018 9:55 AM  
To: Paul Haden  
Subject: Message from "Ricoh-MP-C6003-MID-2"

This E-mail was sent from "Ricoh-MP-C6003-MID-2" (MP C6003).



## Paul Haden

---

**From:** Paul Haden  
**Sent:** Thursday, February 08, 2018 10:26 AM  
**To:** 'Justin.Hall@wpxenergy.com'; 'Mallory.Weindorf@wpxenergy.com'  
**Subject:** Re: Pooling Case # 15991 for Zeppelin Wells

Justin and Mallory , as you are aware by now the captioned Pooling Case is to be heard at an Examiner's Hearing on February 22,2018 regarding RKI's 1.5625% WI in the Zeppelin 32 W2IL St Com #2H and Zeppelin 32 W0LI St Com #1H Wells .To date we haven't received the signed AFEs or executed signature pages of the proposed Operating Agreement from RKI yet . Let me know if you have any questions or concerns about the Operating Agreement . Thanks .

Paul Haden  
Land Department



**Mewbourne Oil Company**

500 West Texas Ave., Suite 1020  
Midland, TX 79701-4279  
Office Phone: 432-682-3715  
Fax: 432-685-4170  
Cell: 432-557-2521

## Paul Haden

---

**From:** Hall, Justin <Justin.Hall@wpxenergy.com>  
**Sent:** Monday, February 12, 2018 4:31 PM  
**To:** Paul Haden  
**Subject:** RE: [EXTERNAL] Re: Pooling Case # 15991 for Zeppelin Wells

Sounds good. Thanks Paul. I'll do my best to get this signed this week.

Thanks,

Justin R. Hall  
Staff Landman - Permian Basin

**WPX ENERGY**  
3500 One Williams Center, MD 35  
Tulsa, OK 74172  
(539) 573-8967 (O)

---

**From:** Paul Haden [mailto:phaden@Mewbourne.com]  
**Sent:** Monday, February 12, 2018 4:20 PM  
**To:** Hall, Justin <Justin.Hall@wpxenergy.com>  
**Subject:** RE: [EXTERNAL] Re: Pooling Case # 15991 for Zeppelin Wells

Justin , that side letter will do . Please prepare for our signature . Send 2 to me once signed by RKI and I'll return one fully signed original to you for your file . Once we the signed JOA , AFEs , etc. ,we'll dismiss RKI form the upcoming pooling hearing . Thanks Justin .

Paul Haden  
Land Department

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**From:** Hall, Justin [mailto:Justin.Hall@wpxenergy.com]  
**Sent:** Monday, February 12, 2018 3:52 PM  
**To:** Paul Haden  
**Cc:** Kennon-Watkins, Chrissy  
**Subject:** RE: [EXTERNAL] Re: Pooling Case # 15991 for Zeppelin Wells

Hi Paul – My legal group has reviewed the JOA and I believe we are ready to sign. The one item we have outstanding is the Letter Agreement to address the Liens and Securities language contained in Art. VII.B. To address this, I have attached a proposed Letter Agreement we would sign along with the JOA. Can you take a look and let me know if Mewbourne is okay with this letter? We recently did one that is exactly the same on the Hoss well so I doubt there will be an issue on your end but please confirm that is the case.

On the JOA, can you please shoot me a clean version that I can set up for RKL's signature. Just want to make sure, I have the most up to date JOA.

If you have any questions, please let me know.


Thanks,

Justin R. Hall  
Staff Landman - Permian Basin

**WPX ENERGY**  
3500 One Williams Center, MD 35  
Tulsa, OK 74172  
(539) 573-8967 (O)

**From:** Paul Haden [mailto:phaden@Mewbourne.com]  
**Sent:** Friday, February 09, 2018 1:55 PM  
**To:** Hall, Justin <Justin.Hall@wpxenergy.com>  
**Cc:** Kennon-Watkins, Chrissy <Chrissy.Kennon-Watkins@wpxenergy.com>  
**Subject:** RE: [EXTERNAL] Re: Pooling Case # 15991 for Zeppelin Wells

Sounds great , thanks Justin . Have a great weekend .

**Paul Haden**  
Land Department  
 **Mewbourne Oil Company**  
500 West Texas Ave., Suite 1020  
Midland, TX 79701-4279  
Office Phone: 432-682-3715  
Fax: 432-685-4170  
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**From:** Hall, Justin [mailto:Justin.Hall@wpxenergy.com]  
**Sent:** Friday, February 09, 2018 1:36 PM  
**To:** Paul Haden  
**Cc:** Kennon-Watkins, Chrissy  
**Subject:** RE: [EXTERNAL] Re: Pooling Case # 15991 for Zeppelin Wells

Paul – Just wanted to follow-up on your email. The Zeppelin JOA is in our legal group for review. I expect we are in good shape following the last modifications you made but should know for sure next week once our legal group responds.

Thanks,

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Staff Landman - Permian Basin

**WPX ENERGY**  
3500 One Williams Center, MD 35  
Tulsa, OK 74172  
(539) 573-8967 (O)

**From:** Paul Haden [mailto:phaden@Mewbourne.com]

**Sent:** Thursday, February 08, 2018 10:26 AM

**To:** Hall, Justin <Justin.Hall@wpxenergy.com>; Weindorf, Mallory <Mallory.Weindorf@wpxenergy.com>

**Subject:** [EXTERNAL] Re: Pooling Case # 15991 for Zeppelin Wells

---

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RKI's 1.5625% WI in the Zeppelin 32 W2IL St Com #2H and Zeppelin 32 W0LI St Com #1H Wells .To date we haven't received the signed AFEs or executed signature pages of the proposed Operating Agreement from RKI yet . Let me know if you have any questions or concerns about the Operating Agreement . Thanks .

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Land Department



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## Paul Haden

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**From:** Hall, Justin <Justin.Hall@wpxenergy.com>  
**Sent:** Monday, February 12, 2018 3:52 PM  
**To:** Paul Haden  
**Cc:** Kennon-Watkins, Chrissy  
**Subject:** RE: [EXTERNAL] Re: Pooling Case # 15991 for Zeppelin Wells  
**Attachments:** Zeppelin JOA-Letter Agreement.docx

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On the JOA, can you please shoot me a clean version that I can set up for RKI's signature. Just want to make sure, I have the most up to date JOA.

If you have any questions, please let me know.

Thanks,

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**To:** Hall, Justin <Justin.Hall@wpxenergy.com>  
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Paul Haden  
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**Sent:** Thursday, February 08, 2018 10:26 AM  
**To:** Hall, Justin <[Justin.Hall@wpxenergy.com](mailto:Justin.Hall@wpxenergy.com)>; Weindorf, Mallory <[Mallory.Weindorf@wpxenergy.com](mailto:Mallory.Weindorf@wpxenergy.com)>  
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Land Department



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## Paul Haden

---

**From:** Paul Haden  
**Sent:** Monday, February 12, 2018 4:47 PM  
**To:** Hall, Justin  
**Subject:** RE: [EXTERNAL] Re: Pooling Case # 15991 for Zeppelin Wells

I'd appreciate it , thanks Justin .

Paul Haden  
Land Department



500 West Texas Ave., Suite 1020  
Midland, TX 79701-4279  
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Fax: 432-685-4170  
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**Cc:** Kennon-Watkins, Chrissy <[Chrissy.Kennon-Watkins@wpxenergy.com](mailto:Chrissy.Kennon-Watkins@wpxenergy.com)>  
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**Subject:** [EXTERNAL] Re: Pooling Case # 15991 for Zeppelin Wells

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Land Department

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Office Phone: 432-682-3715  
Fax: 432-685-4170  
Cell: 432-557-2521

## Paul Haden

---

**From:** Paul Haden  
**Sent:** Monday, February 26, 2018 9:58 AM  
**To:** justin.hall@wpenergy.com  
**Subject:** Re: Zeppelin 32 Letter Agreement  
**Attachments:** scan08313420180226100028.pdf

Justin , see attachment . An original is being mailed to you today .

Paul Haden  
Land Department  
Mewbourne Oil Company  
500 West Texas Ave., Suite 1020  
Midland, TX 79701-4279  
Office Phone: 432-682-3715  
Fax: 432-685-4170  
Cell: 432-557-2521

-----Original Message-----

**From:** [midgeo@mewbourne.com](mailto:midgeo@mewbourne.com) [<mailto:midgeo@mewbourne.com>]  
**Sent:** Monday, February 26, 2018 10:01 AM  
**To:** Paul Haden  
**Subject:**

-----  
TASKalfa 520i  
[00:c0:ee:7a:75:85]  
-----

## **Paul Haden**

---

**From:** Paul Haden  
**Sent:** Monday, February 26, 2018 10:02 AM  
**To:** Hall, Justin  
**Subject:** RE: [EXTERNAL] Re: Zeppelin 32 Letter Agreement

Sure . Have a great week .

Paul Haden  
Land Department  
Mewbourne Oil Company  
500 West Texas Ave., Suite 1020  
Midland, TX 79701-4279  
Office Phone: 432-682-3715  
Fax: 432-685-4170  
Cell: 432-557-2521

-----Original Message-----

**From:** Hall, Justin [<mailto:Justin.Hall@wpxenergy.com>]  
**Sent:** Monday, February 26, 2018 10:01 AM  
**To:** Paul Haden  
**Subject:** RE: [EXTERNAL] Re: Zeppelin 32 Letter Agreement

Thanks Paul.

Thanks,

Justin R. Hall  
Staff Landman - Permian Basin

WPX ENERGY  
3500 One Williams Center, MD 35  
Tulsa, OK 74172  
(539) 573-8967 (O)

-----Original Message-----

**From:** Paul Haden [<mailto:phaden@Mewbourne.com>]  
**Sent:** Monday, February 26, 2018 9:58 AM  
**To:** Hall, Justin <[Justin.Hall@wpxenergy.com](mailto:Justin.Hall@wpxenergy.com)>  
**Subject:** [EXTERNAL] Re: Zeppelin 32 Letter Agreement

---

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Justin , see attachment . An original is being mailed to you today .

Paul Haden  
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Mewbourne Oil Company  
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Office Phone: 432-682-3715  
Fax: 432-685-4170  
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-----Original Message-----

From: [midgeo@mewbourne.com](mailto:midgeo@mewbourne.com) [mailto:[midgeo@mewbourne.com](mailto:midgeo@mewbourne.com)]  
Sent: Monday, February 26, 2018 10:01 AM  
To: Paul Haden  
Subject:

-----  
TASKalfa 520i  
[00:c0:ee:7a:75:85]  
-----



# MEWBOURNE OIL COMPANY

## AUTHORIZATION FOR EXPENDITURE

Well Name: <b>Zeppelin 32 W2LI State Com #2H</b>		Prospect: <b>Wolfcamp</b>	
Location: <b>SL: 1980' FSL &amp; 205' FWL; BHL: 2310' FSL &amp; 330' FEL</b>		County: <b>Eddy</b>	ST: <b>NM</b>
Sec. <b>6</b>	Bik: <b></b>	Survey: <b></b>	TWP: <b>23S</b> RNG: <b>28E</b> Prop. TVD: <b>10480</b> TMD: <b>15050</b>

INTANGIBLE COSTS 0180		CODE	TCP	CODE	CC
Regulatory Permits & Surveys		0180-0100	\$5,000	0180-0200	
Location / Road / Site / Preparation		0180-0105	\$40,000	0180-0205	\$25,000
Location / Restoration		0180-0106	\$175,000	0180-0206	\$30,000
Daywork / Turnkey / Footage Drilling	22 days drlg / 3 days comp @ \$19000/d	0180-0110	\$447,000	0180-0210	\$60,900
Fuel	1500 gal/day @ 1.89/gal	0180-0114	\$78,200		
Mud, Chemical & Additives		0180-0120	\$150,000	0180-0220	
Horizontal Drillout Services	Coil Tbg Drillout			0180-0222	\$80,000
Cementing		0180-0125	\$70,000	0180-0225	\$20,000
Logging & Wireline Services		0180-0130	\$1,500	0180-0230	\$180,000
Casing / Tubing / Snubbing Service		0180-0134	\$20,000	0180-0234	\$60,000
Mud Logging		0180-0137	\$20,000		
Stimulation	27 Stg 11.0 MM gal / 11.0 MM lb			0180-0241	\$1,750,000
Stimulation Rentals & Other				0180-0242	\$150,000
Water & Other		0180-0145	\$40,000	0180-0245	\$295,000
Bits		0180-0148	\$72,000	0180-0248	\$4,000
Inspection & Repair Services		0180-0150	\$40,000	0180-0250	\$5,000
Misc. Air & Pumping Services		0180-0154		0180-0254	\$10,000
Testing & Flowback Services		0180-0158	\$15,000	0180-0258	\$30,000
Completion / Workover Rig				0180-0260	
Rig Mobilization		0180-0164	\$80,000		
Transportation		0180-0165	\$20,000	0180-0265	\$20,000
Welding Services		0180-0168	\$5,000	0180-0268	\$15,000
Contract Services & Supervision		0180-0170	\$36,800	0180-0270	\$22,500
Directional Services	Includes Vertical Control	0180-0175	\$162,000		
Equipment Rental		0180-0180	\$161,600	0180-0280	\$30,000
Well / Lease Legal		0180-0184	\$5,000	0180-0284	
Well / Lease Insurance		0180-0185	\$4,800	0180-0285	
Intangible Supplies		0180-0188	\$8,000	0180-0288	\$1,000
Damages		0180-0190	\$20,000	0180-0290	
ROW & Easements		0180-0192		0180-0292	\$1,000
Pipeline Interconnect				0180-0293	
Company Supervision		0180-0195	\$117,600	0180-0295	\$51,400
Overhead Fixed Rate		0180-0196	\$10,000	0180-0296	\$20,000
Well Abandonment		0180-0198		0180-0298	
Contingencies	10% (TCP) 10% (CC)	0180-0199	\$180,500	0180-0299	\$286,100
<b>TOTAL</b>			<b>\$1,985,000</b>		<b>\$3,146,900</b>

TANGIBLE COSTS 0181		CODE	TCP	CODE	CC
Casing (19.1" - 30")		0181-0793			
Casing (10.1" - 19.0")	400' - 13 3/8" 54.5# J-55 ST&C @ \$35.71/ft	0181-0794	\$15,300		
Casing (8.1" - 10.0")	2510' - 9 5/8" 36# J-55 LT&C @ \$24.85/ft	0181-0795	\$66,700		
Casing (6.1" - 8.0")	10810' - 7" 26# P-110 LT&C @ \$19.69/ft	0181-0796	\$227,400		
Casing (4.1" - 6.0")	5140' - 4 1/2" 13.5# P-110 LTC @ \$14.25/ft			0181-0797	\$78,300
Tubing (2" - 4")				0181-0798	
Drilling Head		0181-0860	\$40,000		
Tubing Head & Upper Section	10k Frac Valve and Tree			0181-0870	\$48,000
Horizontal Completion Tools	Completion Liner Hanger			0181-0871	\$27,000
Sucker Rods				0181-0875	
Subsurface Equipment				0181-0880	
Artificial Lift Systems	Gas Lift Valves			0181-0884	
Pumping Unit				0181-0885	
Surface Pumps & Prime Movers	1/2 VRU/SWD Transfer Pump/Circ Pump			0181-0886	\$30,000
Tanks - Oil	3 - 750 bbl steel			0181-0890	\$48,000
Tanks - Water	3 - 750 bbl steel coated			0181-0891	\$50,000
Separation / Treating Equipment	30"x10"x1k# 3 ph/36"x15"x1k# Hor 3ph/Gun bbl			0181-0895	\$40,000
Heater Treaters, Line Heaters	6"x20"x75# HT			0181-0897	\$16,000
Metering Equipment				0181-0898	\$12,000
Line Pipe & Valves - Gathering	3/4 Mile 4" Gas & 12" Poly Water			0181-0900	\$130,000
Fittings / Valves & Accessories				0181-0906	\$60,000
Cathodic Protection				0181-0908	\$5,000
Electrical Installation				0181-0909	\$50,000
Equipment Installation				0181-0910	\$40,000
Pipeline Construction	3/4 Mile Buried 4" Steel & 3/4 Mile 12" Poly			0181-0920	\$100,000
<b>TOTAL</b>			<b>\$349,400</b>		<b>\$734,300</b>
<b>SUBTOTAL</b>			<b>\$2,334,400</b>		<b>\$3,881,200</b>
<b>TOTAL WELL COST</b>			<b>\$6,215,600</b>		

<b>Extra Expense Insurance</b> <input type="checkbox"/> I elect to be covered by Operator's Extra Expense Insurance and pay my proportionate share of the premium. Operator has secured Extra Expense Insurance covering costs of well control, clean up and redrilling as estimated in Line Item 0180-0185. <input type="checkbox"/> I elect to purchase my own well control insurance policy. If neither box is checked above, non-operating working Interest owner elects to be covered by Operator's well control insurance.	
Prepared by: <u>Bo Talley</u>	Date: <u>9/5/2017</u>
Company Approval: <u>M. Whitton</u>	Date: <u>9/5/2017</u>
Joint Owner Interest: _____ Amount: _____	Signature: _____
Joint Owner Name: _____	

## MEWBOURNE OIL COMPANY

## AUTHORIZATION FOR EXPENDITURE

Well Name: <b>Zeppelin 32 WOLI State Com #1H</b>		Prospect: <b>Wolfcamp</b>	
Location: <b>SL: 2030' FSL &amp; 205' FWL; BHL: 2310' FSL &amp; 330' FEL</b>		County: <b>Eddy</b> ST: <b>NM</b>	
Sec. <b>32</b>	Blk: <b></b>	Survey: <b></b>	TWP: <b>23S</b> RNG: <b>28E</b> Prop. TVD: <b>9547'</b> TMD: <b>14163'</b>

INTANGIBLE COSTS 0180	CODE	TCP	CODE	CC
Regulatory Permits & Surveys	0180-0100	\$5,000	0180-0200	
Location / Road / Site / Preparation	0180-0105	\$75,000	0180-0205	\$10,000
Location / Restoration	0180-0106	\$175,000	0180-0206	\$50,000
Daywork / Turnkey / Footage Drilling 18 days drlg / 3 days comp @ \$19,000/d	0180-0110	\$363,500	0180-0210	\$60,600
Fuel 1500 gal/day @ \$1.89/gal	0180-0114	\$63,300		
Mud, Chemical & Additives	0180-0120	\$150,000	0180-0220	
Horizontal Drillout Services			0180-0222	\$80,000
Cementing	0180-0125	\$70,000	0180-0225	\$25,000
Logging & Wireline Services	0180-0130		0180-0230	\$162,000
Casing / Tubing / Snubbing Service Coil Tbg / Toe Prep	0180-0134	\$20,000	0180-0234	\$60,000
Mud Logging	0180-0137	\$20,000		
Stimulation 27 Stg 10.8 MM gal x 10.8 MM #			0180-0241	\$2,085,000
Stimulation Rentals & Other			0180-0242	\$100,000
Water & Other	0180-0145	\$40,000	0180-0245	\$360,000
Bits	0180-0148	\$72,000	0180-0248	\$4,000
Inspection & Repair Services	0180-0150	\$40,000	0180-0250	\$5,000
Misc. Air & Pumping Services	0180-0154		0180-0254	\$5,000
Testing & Flowback Services	0180-0158	\$15,000	0180-0258	\$30,000
Completion / Workover Rig			0180-0260	
Rig Mobilization	0180-0164	\$160,000		
Transportation	0180-0165	\$25,000	0180-0265	\$12,000
Welding Services	0180-0168	\$5,000	0180-0268	\$5,000
Contract Services & Supervision	0180-0170		0180-0270	\$24,000
Directional Services Includes Vertical control	0180-0175	\$136,800		
Equipment Rental	0180-0180	\$124,400	0180-0280	\$20,000
Well / Lease Legal	0180-0184	\$5,000	0180-0284	
Well / Lease Insurance	0180-0185	\$4,500	0180-0285	
Intangible Supplies	0180-0188	\$8,000	0180-0288	\$1,000
Damages	0180-0190	\$30,000	0180-0290	\$2,200
ROW & Easements	0180-0192		0180-0292	\$12,800
Pipeline Interconnect			0180-0293	
Company Supervision	0180-0195	\$91,100	0180-0295	\$63,300
Overhead Fixed Rate	0180-0196	\$10,000	0180-0296	\$20,000
Well Abandonment	0180-0198		0180-0298	
Contingencies 10% (TCP) 10% (CC)	0180-0199	\$170,900	0180-0299	\$319,700
<b>TOTAL</b>		<b>\$1,879,500</b>		<b>\$3,516,600</b>

TANGIBLE COSTS 0181				
Casing (19.1" - 30")	0181-0793			
Casing (10.1" - 19.0") 400' - 13 3/8" 54.5# J-55 ST&C @ \$35.71/ft	0181-0794	\$15,200		
Casing (8.1" - 10.0") 2510' - 9 5/8" 40# N-80 LT&C @ \$29.98/ft	0181-0795	\$80,000		
Casing (6.1" - 8.0") 9770' - 7" 29# P-110 LT&C @ \$27.76/ft	0181-0796	\$288,200		
Casing (4.1" - 6.0") 5115' - 4 1/2" 13.5# P-110 LT&C @ \$11.92/ft			0181-0797	\$64,800
Tubing (2" - 4")			0181-0798	
Drilling Head	0181-0860	\$40,000		
Tubing Head & Upper Section 10k Frac valve and tree			0181-0870	\$48,000
Horizontal Completion Tools			0181-0871	\$32,000
Sucker Rods			0181-0875	
Subsurface Equipment			0181-0880	
Artificial Lift Systems			0181-0884	
Pumping Unit			0181-0885	
Surface Pumps & Prime Movers VRU & SWD transfer pump			0181-0886	\$60,000
Tanks - Oil 3- 750 bbl			0181-0890	\$45,000
Tanks - Water 3-750 bbl			0181-0891	\$48,000
Separation / Treating Equipment 36"x15"x1000# 3 ph & 30"x10"x1000# 3 ph/ GB			0181-0895	\$50,000
Heater Treaters, Line Heaters 6"x20"x75# HT			0181-0897	\$15,000
Metering Equipment			0181-0898	\$6,000
Line Pipe & Valves - Gathering			0181-0900	\$65,000
Fittings / Valves & Accessories			0181-0906	\$70,000
Cathodic Protection			0181-0908	\$6,000
Electrical Installation			0181-0909	\$75,000
Equipment Installation			0181-0910	\$50,000
Pipeline Construction			0181-0920	\$18,000
<b>TOTAL</b>		<b>\$423,400</b>		<b>\$652,800</b>
<b>SUBTOTAL</b>		<b>\$2,302,900</b>		<b>\$4,169,400</b>
<b>TOTAL WELL COST</b>	<b>\$6,472,300</b>			

Extra Expense Insurance:

☐ I elect to be covered by Operator's Extra Expense Insurance and pay my proportionate share of the premium.  
Operator has secured Extra Expense Insurance covering costs of well control, clean up and redrilling as estimated in Line Item 0180-0185.

☐ I elect to purchase my own well control insurance policy.

If neither box is checked above, non-operating working interest owner elects to be covered by Operator's well control insurance.

Prepared by: <u>R. Terrell</u>	Date: <u>6/28/2017</u>
Company Approval: <u>m. whitte</u>	Date: <u>6/29/2017</u>

Joint Owner Interest: _____ Amount: _____	Signature: _____
Joint Owner Name: _____	

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

**APPLICATION OF MEWBOURNE OIL COMPANY  
FOR COMPULSORY POOLING, EDDY COUNTY,  
NEW MEXICO.**

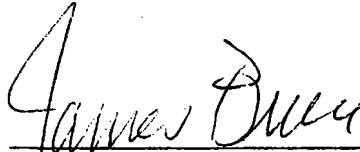
**Case No. 15991**

**AFFIDAVIT OF NOTICE**

COUNTY OF SANTA FE     )  
  ) ss.  
STATE OF NEW MEXICO    )

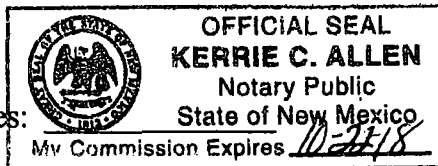
James Bruce, being duly sworn upon his oath, deposes and states:

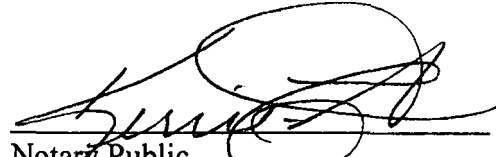
1. I am over the age of 18, and have personal knowledge of the matters stated herein.
2. I am an attorney for Mewbourne Oil Company.
3. Mewbourne Oil Company has conducted a good faith, diligent effort to find the names and correct addresses of the interest owners entitled to receive notice of the application filed herein.
4. Notice of the application was provided to the interest owners, at their last known addresses, by certified mail. Copies of the notice letter and certified return receipts are attached hereto as Attachment A.
5. Applicant has complied with the notice provisions of Division Rules NMAC 19.15.4.9 and 19.15.4.12.C.

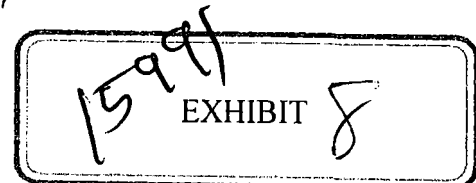
  
\_\_\_\_\_  
James Bruce

SUBSCRIBED AND SWORN TO before me this 7<sup>th</sup> day of March, 2018 by James Bruce.

My Commission Expires:



  
\_\_\_\_\_  
Notary Public



**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](mailto:jamesbruc@aol.com)

February 2, 2018

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

To: Persons on Exhibit A

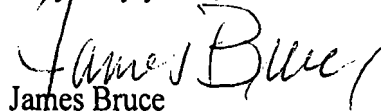
Ladies and gentlemen:

Enclosed is a copy of an application for a compulsory pooling, filed with the New Mexico Oil Conservation Division by Mewbourne Oil Company, regarding Wolfcamp wells in the S/2 of Section 32, Township 23 South, Range 28 East, NMPM, Eddy County, New Mexico.

This matter is scheduled for hearing at 8:15 a.m. on Thursday, February 22, 2018, in Porter Hall at the Division's offices at 1220 South St. Francis Drive, Santa Fe, New Mexico 87505. You are not required to attend this hearing, but as an owner of an interest who may be affected by the application, you may appear and present testimony. Failure to appear at that time and become a party of record will preclude you from contesting this matter at a later date.

A party appearing in a Division case is required by Division Rules to file a Pre-Hearing Statement no later than Thursday, February 15, 2018. This statement must be filed with the Division's Santa Fe office at the above address, and should include: The names of the party and his or her attorney; a concise statement of the case; the names of the witnesses the party will call to testify at the hearing; the approximate time the party will need to present its case; and identification of any procedural matters that need to be resolved prior to the hearing

Very truly yours,

  
James Bruce

Attorney for Mewbourne Oil Company

ATTACHMENT

A

EXHIBIT A

1. EOG Resources, Inc.  
5509 Champions Dr.  
Midland, TX 79706  
Attn: Mr. Clay Haggard
2. RKI Exploration & Production, Inc.  
3500 One Williams Center, Suite 3500  
Tulsa, OK 74172  
Attn: Mr. Nick Weems
3. Costilla Energy, Inc.  
c/o Compass Operating, LLC  
P.O. Box 1389  
Midland, TX 79702-1389  
Attn: Mr. Cadell Liedtke

SENDER: COMPLETE THIS SECTION		COMPLETE THIS SECTION ON DELIVERY	
<p>■ Complete items 1, 2, and 3.</p> <p>■ Print your name and address on the reverse so that we can return the card to you.</p> <p>■ Attach this card to the back of the mailpiece, or on the front if space permits.</p>		<p>A. Signature <b>X</b> <i>[Signature]</i> <input checked="" type="checkbox"/> Agent <input type="checkbox"/> Addressee</p>	
<p>1. Article Addressed to:</p> <p>EOG Resources, Inc. 5509 Champions Dr. Midland, TX 79706</p>		<p>B. Received by (Printed Name) <i>Buy</i> C. Date of Delivery <i>2-9-18</i></p>	
<p>2. Article</p> <p>7017 0190 0000 8403 1090</p>		<p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No</p>	
<p>3. Service Type</p> <p><input type="checkbox"/> Adult Signature <input type="checkbox"/> Priority Mail Express®  <input type="checkbox"/> Adult Signature Restricted Delivery <input type="checkbox"/> Registered Mail™  <input type="checkbox"/> Certified Mail® <input type="checkbox"/> Registered Mail Restricted Delivery  <input type="checkbox"/> Certified Mail Restricted Delivery <input type="checkbox"/> Return Receipt for Merchandise  <input type="checkbox"/> Collect on Delivery <input type="checkbox"/> Signature Confirmation™  <input type="checkbox"/> Collect on Delivery Restricted Delivery <input type="checkbox"/> Signature Confirmation Restricted Delivery</p>		<p>Postmark Here</p>	
<p>PS Form 3811, July 2015 PSN 7530-02-000-9053</p>		<p>Domestic Return Receipt</p>	

U.S. Postal Service™ CERTIFIED MAIL® RECEIPT Domestic Mail Only	
<p>For delivery information, visit our website at <a href="http://www.usps.com">www.usps.com</a></p>	
<p>OFFICIAL USE</p>	
<p>Certified Mail Fee \$</p> <p>Extra Services &amp; Fees (check box, add fee as appropriate)</p> <p><input type="checkbox"/> Return Receipt (hardcopy) \$</p> <p><input type="checkbox"/> Return Receipt (electronic) \$</p> <p><input type="checkbox"/> Certified Mail Restricted Delivery \$</p> <p><input type="checkbox"/> Adult Signature Required \$</p> <p><input type="checkbox"/> Adult Signature Restricted Delivery \$</p> <p>Postage \$</p> <p>Total Postage and Fees \$</p>	<p>Postmark Here</p>
<p>Sent To RKI Exploration &amp; Production, Inc. 3500 One Williams Center, Suite 3500 Tulsa, OK 74172</p>	
<p>PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions</p>	

U.S. Postal Service™ CERTIFIED MAIL® RECEIPT Domestic Mail Only	
<p>For delivery information, visit our website at <a href="http://www.usps.com">www.usps.com</a></p>	
<p>OFFICIAL USE</p>	
<p>Certified Mail Fee \$</p> <p>Extra Services &amp; Fees (check box, add fee as appropriate)</p> <p><input type="checkbox"/> Return Receipt (hardcopy) \$</p> <p><input type="checkbox"/> Return Receipt (electronic) \$</p> <p><input type="checkbox"/> Certified Mail Restricted Delivery \$</p> <p><input type="checkbox"/> Adult Signature Required \$</p> <p><input type="checkbox"/> Adult Signature Restricted Delivery \$</p> <p>Postage \$</p> <p>Total Postage and Fees \$</p>	<p>Postmark Here</p>
<p>Sent To EOG Resources, Inc. 5509 Champions Dr. Midland, TX 79706</p>	
<p>PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions</p>	

SENDER: COMPLETE THIS SECTION		COMPLETE THIS SECTION ON DELIVERY	
<p>■ Complete items 1, 2, and 3.</p> <p>■ Print your name and address on the reverse so that we can return the card to you.</p> <p>■ Attach this card to the back of the mailpiece, or on the front if space permits.</p>		<p>A. Signature <b>X</b> <i>[Signature]</i> <input checked="" type="checkbox"/> Agent <input type="checkbox"/> Addressee</p>	
<p>1. Article Addressed to:</p> <p>RKI Exploration &amp; Production, Inc. 3500 One Williams Center, Suite 3500 Tulsa, OK 74172</p>		<p>B. Received by (Printed Name) <i>Buy</i> C. Date of Delivery <i>2-10-18</i></p>	
<p>2. Article</p> <p>7017 0190 0000 8403 1083</p>		<p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No</p>	
<p>3. Service Type</p> <p><input type="checkbox"/> Adult Signature <input type="checkbox"/> Priority Mail Express®  <input type="checkbox"/> Adult Signature Restricted Delivery <input type="checkbox"/> Registered Mail™  <input type="checkbox"/> Certified Mail® <input type="checkbox"/> Registered Mail Restricted Delivery  <input type="checkbox"/> Certified Mail Restricted Delivery <input type="checkbox"/> Return Receipt for Merchandise  <input type="checkbox"/> Collect on Delivery <input type="checkbox"/> Signature Confirmation™  <input type="checkbox"/> Collect on Delivery Restricted Delivery <input type="checkbox"/> Signature Confirmation Restricted Delivery</p>		<p>Postmark Here</p>	
<p>PS Form 3800, April 2015 PSN 7530-02-000-9053</p>		<p>Domestic Return Receipt</p>	

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY												
<p>■ Complete items 1, 2, and 3.</p> <p>■ Print your name and address on the reverse so that we can return the card to you.</p> <p>■ Attach this card to the back of the mailpiece, or on the front if space permits.</p> <p>1. Article Addressed to:</p> <p style="text-align: center;">Costilla Energy, Inc. c/o Compass Operating, LLC P.O. Box 1389 Midland, TX 79702-1389</p> <p style="text-align: center;">9590 9402 3526 1213 7125</p> <p>2. Article Number (over 500)</p> <p style="text-align: center;">7017 0190 0000 8403 1076</p>	<p>A. Signature  <input checked="" type="checkbox"/> Agent  <input type="checkbox"/> Addressee  <i>[Signature]</i></p> <p>B. Received by (Printed Name)  <i>Steve Campbell</i></p> <p>C. Date of Delivery  <i>2/20/12</i></p> <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes          If YES, enter delivery address below: <input type="checkbox"/> No</p> <p>3. Service Type</p> <table style="width: 100%;"> <tr> <td><input type="checkbox"/> Adult Signature</td> <td><input type="checkbox"/> Priority Mail Express®</td> </tr> <tr> <td><input type="checkbox"/> Adult Signature Restricted Delivery</td> <td><input type="checkbox"/> Registered Mail™</td> </tr> <tr> <td><input checked="" type="checkbox"/> Certified Mail®</td> <td><input type="checkbox"/> Registered Mail Restricted Delivery</td> </tr> <tr> <td><input type="checkbox"/> Certified Mail Restricted Delivery</td> <td><input type="checkbox"/> Return Receipt for Merchandise</td> </tr> <tr> <td><input type="checkbox"/> Collect on Delivery</td> <td><input type="checkbox"/> Signature Confirmation™</td> </tr> <tr> <td><input type="checkbox"/> Restricted Delivery</td> <td><input type="checkbox"/> Signature Confirmation Restricted Delivery</td> </tr> </table>	<input type="checkbox"/> Adult Signature	<input type="checkbox"/> Priority Mail Express®	<input type="checkbox"/> Adult Signature Restricted Delivery	<input type="checkbox"/> Registered Mail™	<input checked="" type="checkbox"/> Certified Mail®	<input type="checkbox"/> Registered Mail Restricted Delivery	<input type="checkbox"/> Certified Mail Restricted Delivery	<input type="checkbox"/> Return Receipt for Merchandise	<input type="checkbox"/> Collect on Delivery	<input type="checkbox"/> Signature Confirmation™	<input type="checkbox"/> Restricted Delivery	<input type="checkbox"/> Signature Confirmation Restricted Delivery
<input type="checkbox"/> Adult Signature	<input type="checkbox"/> Priority Mail Express®												
<input type="checkbox"/> Adult Signature Restricted Delivery	<input type="checkbox"/> Registered Mail™												
<input checked="" type="checkbox"/> Certified Mail®	<input type="checkbox"/> Registered Mail Restricted Delivery												
<input type="checkbox"/> Certified Mail Restricted Delivery	<input type="checkbox"/> Return Receipt for Merchandise												
<input type="checkbox"/> Collect on Delivery	<input type="checkbox"/> Signature Confirmation™												
<input type="checkbox"/> Restricted Delivery	<input type="checkbox"/> Signature Confirmation Restricted Delivery												

PS Form 3811, July 2015 PSN 7530-02-000-9053

Domestic Return Receipt

7017 0190 0000 8403 1076

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**CERTIFIED MAIL® RECEIPT**  
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OFFICIAL USE

Certified Mail Fee \$ _____	Postmark Here
Extra Services & Fees (check box, add fee as appropriate)	
<input type="checkbox"/> Return Receipt (hardcopy) \$ _____	
<input type="checkbox"/> Return Receipt (electronic) \$ _____	
<input type="checkbox"/> Certified Mail Restricted Delivery \$ _____	
<input type="checkbox"/> Adult Signature Required \$ _____	
<input type="checkbox"/> Adult Signature Restricted Delivery \$ _____	
Postage \$ _____	
Total Postage and Fees \$ _____	
Sent To <b>Costilla Energy, Inc.</b> <b>c/o Compass Operating, LLC</b> <b>P.O. Box 1389</b> Street and Apt. No., c <b>Midland, TX 79702-1389</b> City, State, ZIP+4® _____	

PS Form 3800, April 2015 PSN 7530-02-000-9047
See Reverse for Instructions

## Affidavit of Publication

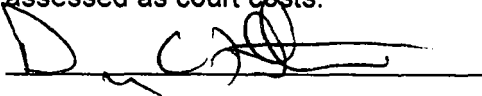
State of New Mexico,  
County of Eddy, ss.

**Danny Fletcher**, being first duly  
sworn, on oath says:

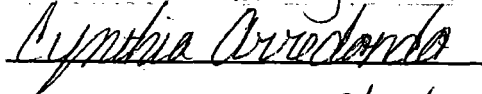
That he is the Publisher of the  
Carlsbad Current-Argus, a  
newspaper published daily at the  
City of Carlsbad, in said county of  
Eddy, state of New Mexico and of  
general paid circulation in said  
county; that the same is a duly  
qualified newspaper under the laws  
of the State wherein legal notices  
and advertisements may be  
published; that the printed notice  
attached hereto was published in the  
regular and entire edition of said  
newspaper and not in supplement  
thereof on the date as follows, to wit:

February 8 2018

That the cost of publication is  
**\$106.91** and that payment thereof  
has been made and will be  
assessed as court costs.

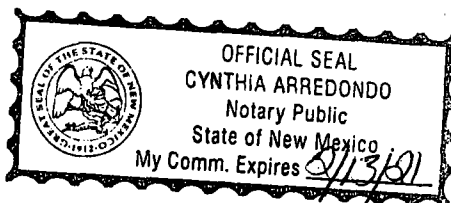


Subscribed and sworn to before me  
this 13 day of February, 2018



My commission Expires 8/13/21

Notary Public



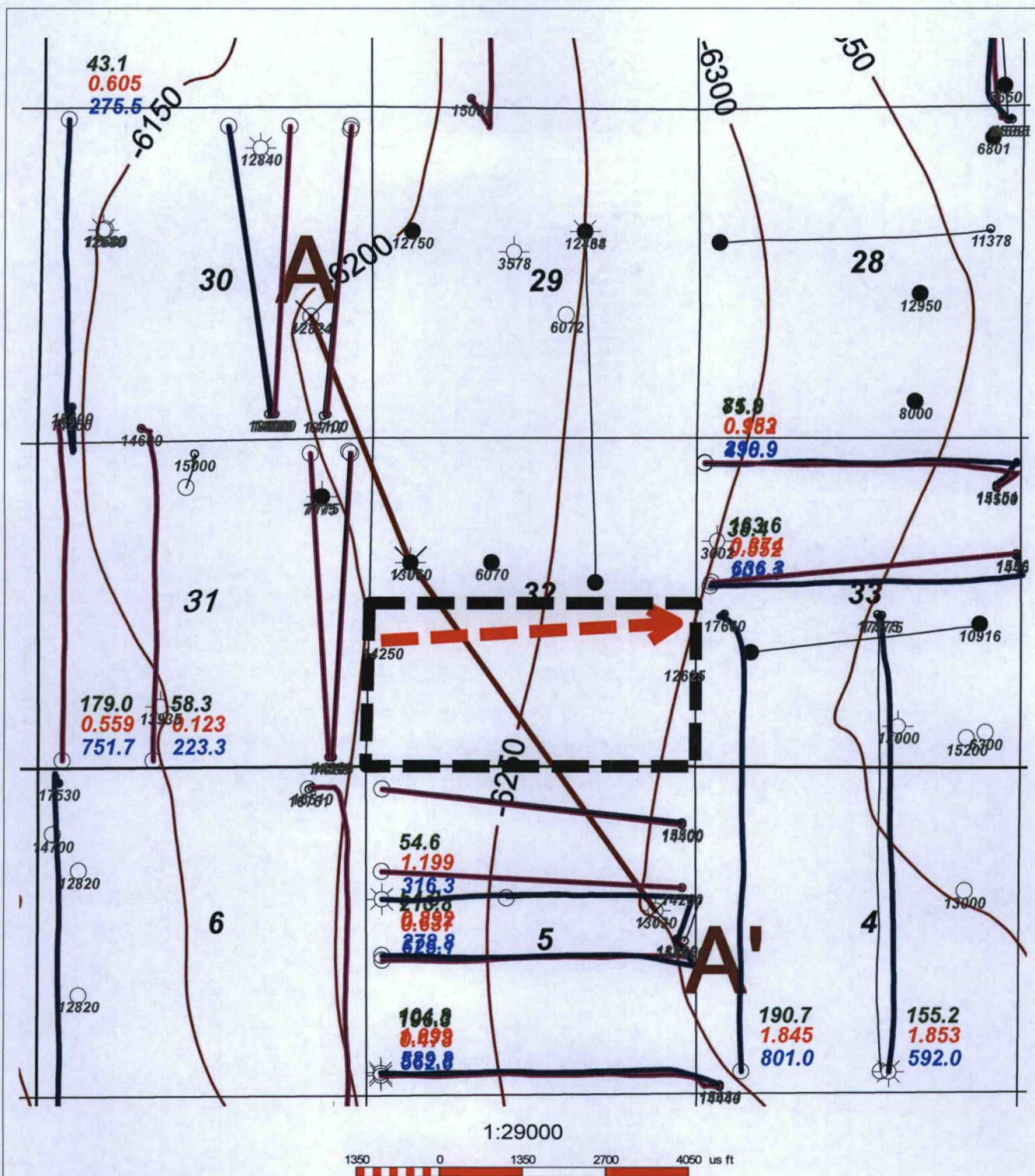
February 8, 2018

### NOTICE

To: EOG Resources, Inc., Costilla Energy, Inc., Donald Bruce Sooly, Ruby Kay Vesely, Tiffany Beth Kennedy, Helene Eller, Jacquelyn Jayner, Larry Sooly, Betty Byers, Jeannette Huffer, Michael Huffer, Thomas Huffer, John Huffer, Joy Huffer, David Huffer, and Marlene Mitchell Colburn, or your heirs, devisees, successors, or assigns: Mewbourne Oil Company has filed an application with the New Mexico Oil Conservation Division seeking an order pooling all mineral interests in the Wolfcamp formation underlying the S/2 of Section 32, Township 23 South, Range 28 East, NMPM. The unit will be dedicated to: (i) the Zeppelin 32 W2LI State Com. Well No. 2H, a horizontal well with a surface location in the NW/4SW/4, and a bottomhole location in the NE/4SE/4, of Section 32, and (ii) the Zeppelin 32 WOLI State Com. Well No. 1H, a horizontal well with a surface location in the NW/4SW/4, and a bottomhole location in the NE/4SE/4, of Section 32. The producing intervals of the wells will be orthodox. Also to be considered will be the cost of drilling and completing the wells and the allocation of the cost thereof, as well as actual operating costs and charges for supervision, designation of applicant as operator of the wells, and a 200% charge for the risk involved in drilling and completing the wells. The application is scheduled to be heard at 8:15 a.m. on Thursday, February 22, 2018 at the Division's offices at 1220 South St. Francis Drive, Santa Fe, New Mexico 87505. As an interest owner in the well unit you have the right to enter an appearance and participate in the case. Failure to appear will preclude you from contesting this matter at a later date. The attorney for applicant is James Bruce, P.O. Box 1056, Santa Fe, New Mexico 87504. The unit is located approximately 2 miles south of Loving, New Mexico.

EXHIBIT 9





#### Horizontal Activity Color Code

- Wolfcamp Sand
- Wolfcamp Shale

Oil Cum (MBO)  
Gas Cum (BCF)  
Water Cum (MBO)

TD



Mewbourne Oil Company		
Zeppelin 32 WOLI State Com 1H Horizontal Activity Map Structure Top of WFMP (C.I. 50')		
3/2/18	Eddy County	New Mexico
Geol. C. Crosby		



A  
N

30015234890000  
4267 ft  
BELCO PET NRTH AMER  
COCHILL COM 1  
Datum=3119.00  
1980 FSL 980 FSL  
TWP: 23 S - Range: 28 E - Sec. 30

30015235140000  
6865 ft  
AMOCO PROD CO  
STATE 'JB' COM 1  
Datum=3138.00  
1980 FSL 680 FSL  
TWP: 23 S - Range: 28 E - Sec. 32

30015221840000  
HNG OIL COMPANY  
VALDEZ /S/ COM 1  
Datum=3063.00  
2310 FSL 680 FSL  
TWP: 24 S - Range: 28 E - Sec. 5

A'  
S

30I

32E

5H

0  
WFMP

WFMP  
SDs

WFMP A

WFMP B

-500

WFMP C

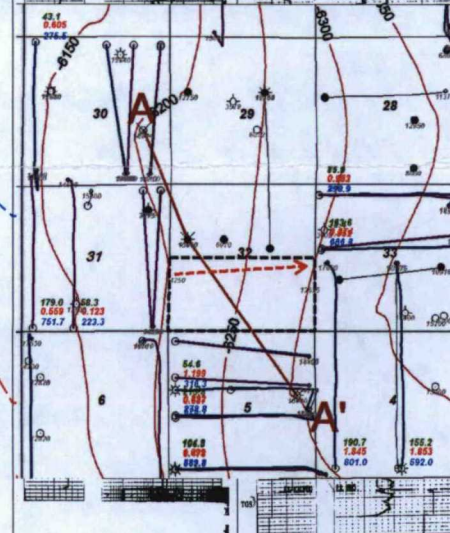
WFMP D  
-1000

0

-500

-1000

Zeppelin 32 WOLI State Com 1H



TD=12824.00  
Cum Oil All Zones: 252 bbls  
Cum Gas All Zones: 475287 MCF  
Cum Water All Zones: 1176 bbls

TD=13060.00

TD=13030.00

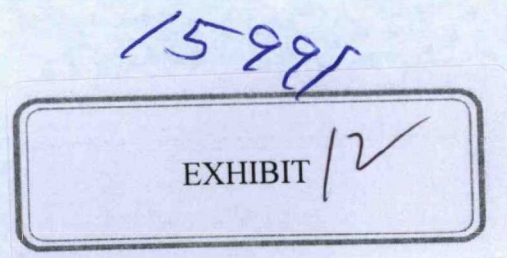
EXHIBIT  
11

Zeppelin 32 WOLI State Com 1H  
Cross Section Exhibit (A-A')



### Zeppelin Area Wolfcamp Productin Table

Well Name	Operator	API	Location	WFMP Comp Date	Cum Oil (Mbo)	Cum Gas (Bcf)	Cum Water (Mbw)	NS/EW	WFMP Zone
B Banker 33 23S28E RB 221H	Matador	3001543306	33A/23S/28E	6/14/2016	77.3	1	429.5	EW	WFMP D Shale
Jimmy Kone 05 24S 28E RB 208H	Matador	3001543389	5M/24S/28E	5/17/2016	200.1	0.5	574.6	EW	WFMP Y Sand
Jimmy Kone 05 24S 28E RB 203H	Matador	3001543475	5I/24S/28E	8/19/2016	218.8	0.5	663.2	EW	WFMP Y Sand
Jimmy Kone 05 24S 28E RB 223H	Matador	3001543477	5I/24S/28E	3/3/2017	56.5	0.9	290.9	EW	WFMP D Shale
Foreigner 33-4 W2LM Fee 1H	Mewbourne	3001543494	33L/23S/28E	8/14/2016	190.7	1.84	801	NS	WFMP D Shale
Loving Townsite 21 W0PA Fee 2H	Mewbourne	3001543495	28A/23S/28E	6/13/2017	105.1	0.2	388.5	NS	WFMP Y Sand
Loving Townsite 21 W2PA Fee 1H	Mewbourne	3001543496	28A/23S/28E	6/14/2017	64.4	0.8	367.2	NS	WFMP D Shale
Foreigner 33-4 W2JO Fee Com 1H	Mewbourne	3001543499	33J/23S/28E	5/28/2016	155.2	1.85	592	NS	WFMP D Shale
Jimmy Kone 05 24S 28E RB 228H	Matador	3001543542	4M/24S/28E	5/20/2016	106.8	1.7	603	EW	WFMP D Shale
Charlie Sweeney State Com 31 23S 28E RB 201H	Matador	3001543695	30M/23S/28E	7/27/2016	179	0.6	751.7	NS	WFMP Y Sand
B Banker 33 23S 28E RB 226H	Matador	3001543817	33H/23S/28E	9/6/2016	167.9	0.4	658.6	EW	WFMP D Shale
Jim Tom Lontos 30 23S 28E RB 221H	Matador	3001543826	30M/23S/28E	2/8/2017	43.1	0.6	275.5	NS	WFMP D Shale
B Banker 33 23S 28E RN 206H	Matador	3001543842	33H/23S/28E	7/17/2017	42	0.6	216.7	EW	WFMP Y Sand
Charlie Sweeney State Com 31 23S 28E RB 202H	Matador	3001543925	30N/23S/28E	9/4/2017	58.3	0.1	223.3	NS	WFMP Y Sand
Jimmy Kone 5 24S 28E RB 226H	Matador	3001543958	5I/24S/28E	3/3/2017	54.6	1.2	316.3	EW	WFMP D Shale
B Banker 33 23S 28E RB 201H	Matador	3001544138	33A/23S/28E	7/26/2017	95.5	0.2	327.2	EW	WFMP Y Sand
Jim Tom Lontos 30 23S 28E RB 206H	Matador	3001544139	30N/23S/28E	9/4/2017	84.6	0.2	263.8	EW	WFMP Y Sand
Motley 6-7 W2DE Federal Com 1H	Mewbourne	3001544140	6D/24S/28E	8/12/2017	70	0.9	345.7	NS	WFMP D Shale







COMPANY: Mewbourne Oil Company  
WELL: Zeppelin 32 WOLI State Com 1H  
COUNTY: Eddy County, N.M. Nad (83)  
DATUM: North American Datum 1983

RIG: Patterson Patterson 245  
GRID CORRECTION: To convert a Magnetic Direction to a Grid Direction Add 7.03°

EXHIBIT 13

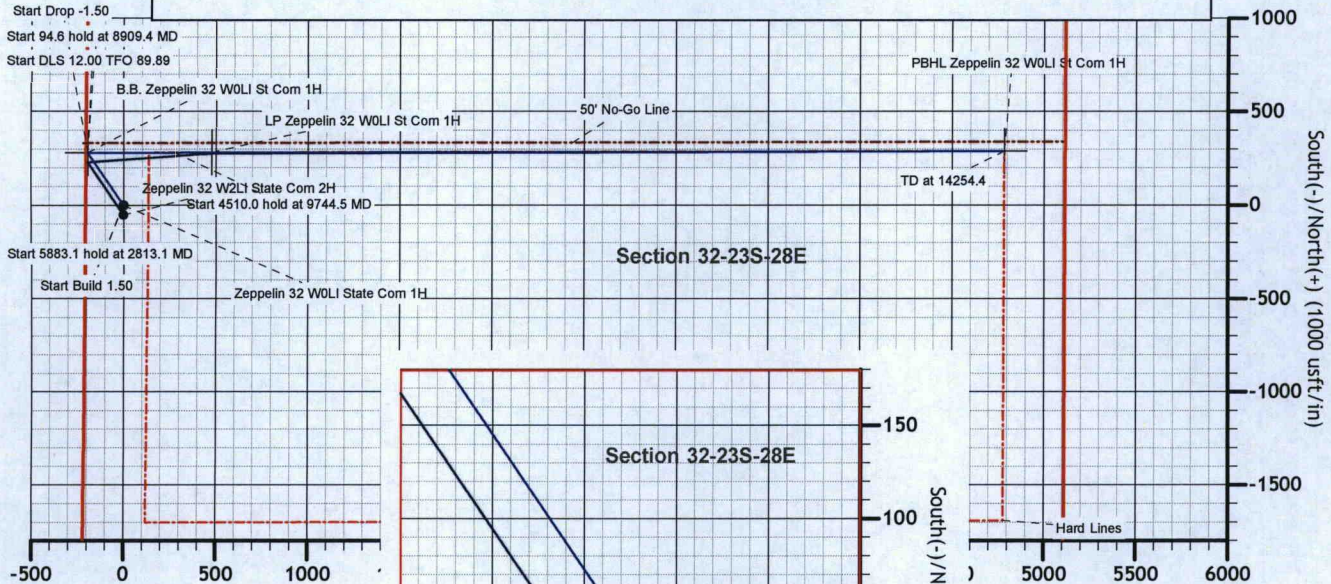
OFFICE 934.42.7296

GEODETTIC ZONE: New Mexico Eastern Zone  
3105 + 27 @ 3132.0usft (Patterson 245)  
GROUND ELEVATION: 3105.0

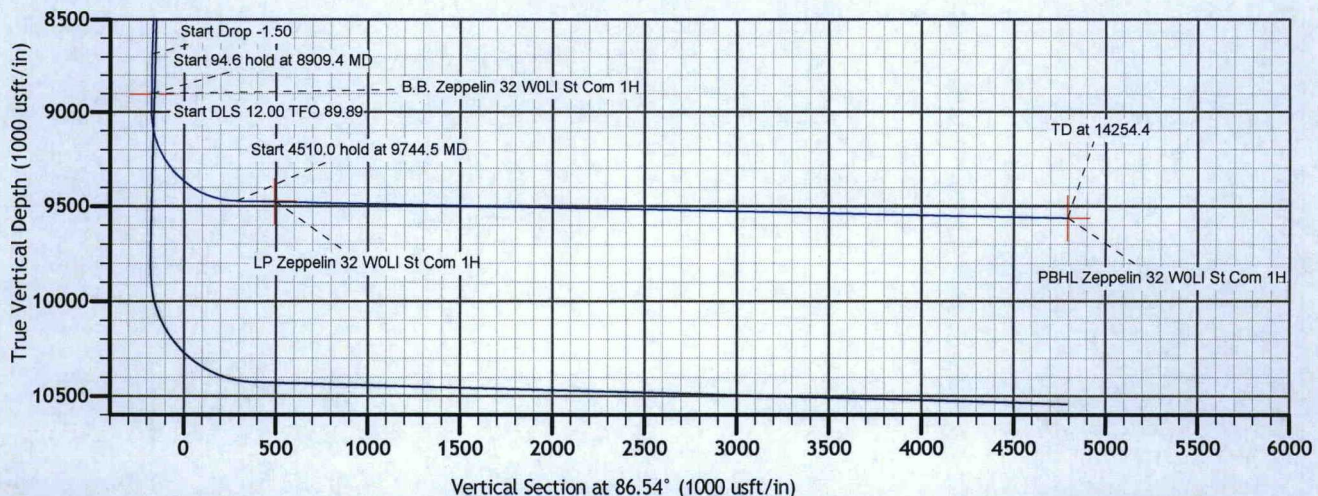
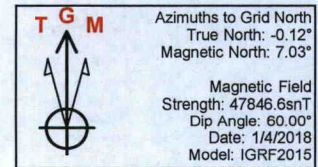
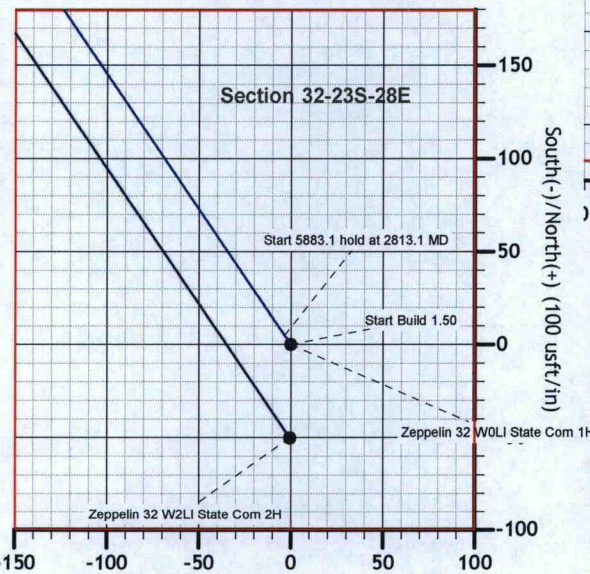
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	458321.00	608048.30	32° 15' 35.335 N	104° 7' 3.066 W	

#### PLAN SECTIONS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	2600.0	0.00	0.00	2600.0	0.0	0.0	0.00	0.00	0.0	
3	2813.1	3.20	325.49	2813.0	4.9	-3.4	1.50	325.49	-3.1	
4	8696.3	3.20	325.49	8687.0	275.3	-189.2	0.00	0.00	-172.3	
5	8909.4	0.00	0.00	8900.0	280.2	-192.6	1.50	180.00	-175.3	B.B. Zeppelin 32 WOLI St Com 1H
6	9004.0	0.00	0.00	8994.6	280.2	-192.6	0.00	0.00	-175.3	
7	9744.5	88.86	89.89	9472.0	281.0	275.3	12.00	89.89	291.8	PBHL Zeppelin 32 WOLI St Com 1H
8	14254.4	88.86	89.89	9562.0	289.3	4784.4	0.00	0.00	4793.1	



SHL 2030' FSL; 205' FWL  
Section 32-23S-28E  
PBHL 2310' FSL; 330' FEL  
Section 32-23S-28E







# Mewbourne Oil Company

Eddy County, N.M. Nad (83)

Section 32-23S-28E Zeppelin 32 W2LI St Com 2H

Zeppelin 32 W2LI State Com 2H

Original Hole

Plan#1

## Anticollision Risk Report

05 January, 2018

15991





Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Zeppelin 32 W2LI State Com 2H
Project:	Eddy County, N.M. Nad (83)	TVD Reference:	3105 + 27 @ 3132.0usft (Patterson 245)
Reference Site:	Section 32-23S-28E Zeppelin 32 W2LI St Com 2H	MD Reference:	3105 + 27 @ 3132.0usft (Patterson 245)
Site Error:	0.0	North Reference:	Grid
Reference Well:	Zeppelin 32 W2LI State Com 2H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0	Output errors are at	2.00 sigma
Reference Wellbore	Original Hole	Database:	Stryker_EDM
Reference Design:	Plan#1	Offset TVD Reference:	Offset Datum

Reference	Plan#1		
Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
Interpolation Method:	Stations Interval 100.0usft	Error Model:	ISCWSA
Depth Range:	Unlimited	Scan Method:	Closest Approach 3D
Results Limited by:	Maximum center-center distance of 10,000.0usf	Error Surface:	Pedal Curve
Warning Levels Evaluated at:	2.00 Sigma	Casing Method:	Not applied

Risk Settings	
Vertical Depth for Analysis:	usft (Below TVD Reference Datum)
Level of Acceptable Risk (1 in):	
Minimum Separation:	0 usft

Survey Tool Program		Date	1/4/2018	
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.0	15,167.9	Plan#1 (Original Hole)	MWD	MWD v3:standard declination

Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
Section 32-23S-28E Zeppelin 32 W0LI St Com 1H						
Zeppelin 32 W0LI State Com 1H - Original Hole - Plan#1	2,788.3	2,786.3	50.0	43.5	7.686 CC	
Zeppelin 32 W0LI State Com 1H - Original Hole - Plan#1	2,800.0	2,797.9	50.0	43.4	7.657 ES	
Zeppelin 32 W0LI State Com 1H - Original Hole - Plan#1	9,148.3	9,149.7	71.3	49.4	3.251 SF	

Offset Design		Section 32-23S-28E Zeppelin 32 W0LI St Com 1H - Zeppelin 32 W0LI State Com 1H - Original Hole - P										Offset Site Error:		0.0 usft
Survey Program: 0-Reference		Offset		Semi Major Axis		Distance					Offset Well Error:		0.0 usft	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (")	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Risked Separation Factor	Probability of Collision	Warning	
0.0	0.0	0.0	0.0	0.0	0.0	0.46	50.0				0			
100.0	100.0	100.0	100.0	0.1	0.0	0.46	50.0	49.9	0.1	571.603	0			
200.0	200.0	200.0	200.0	0.3	0.0	0.46	50.0	49.7	0.3	153.103	0			
300.0	300.0	300.0	300.0	0.6	0.0	0.46	50.0	49.4	0.6	88.389	0			
400.0	400.0	400.0	400.0	0.8	0.0	0.46	50.0	49.2	0.8	62.128	0			
500.0	500.0	500.0	500.0	1.0	0.0	0.46	50.0	49.0	1.0	47.898	0			
600.0	600.0	600.0	600.0	1.3	0.0	0.46	50.0	48.7	1.3	38.971	0			
700.0	700.0	700.0	700.0	1.5	0.0	0.46	50.0	48.5	1.5	32.849	0			
800.0	800.0	800.0	800.0	1.8	0.0	0.46	50.0	48.2	1.8	28.390	0			
900.0	900.0	900.0	900.0	2.0	0.0	0.46	50.0	48.0	2.0	24.996	0			
1,000.0	1,000.0	1,000.0	1,000.0	2.2	0.0	0.46	50.0	47.8	2.2	22.327	0			
1,100.0	1,100.0	1,100.0	1,100.0	2.5	0.0	0.46	50.0	47.5	2.5	20.173	0			
1,200.0	1,200.0	1,200.0	1,200.0	2.7	0.0	0.46	50.0	47.3	2.7	18.398	0			
1,300.0	1,300.0	1,300.0	1,300.0	3.0	0.0	0.46	50.0	47.0	3.0	16.911	0			
1,400.0	1,400.0	1,400.0	1,400.0	3.2	0.0	0.46	50.0	46.8	3.2	15.645	0			
1,500.0	1,500.0	1,500.0	1,500.0	3.4	0.0	0.46	50.0	46.6	3.4	14.556	0			
1,600.0	1,600.0	1,600.0	1,600.0	3.7	0.0	0.46	50.0	46.3	3.7	13.609	0			
1,700.0	1,700.0	1,700.0	1,700.0	3.9	0.0	0.46	50.0	46.1	3.9	12.777	0			

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



<b>Company:</b>	Mewbourne Oil Company	<b>Local Co-ordinate Reference:</b>	Well Zeppelin 32 W2LI State Com 2H
<b>Project:</b>	Eddy County, N.M. Nad (83)	<b>TVD Reference:</b>	3105 + 27 @ 3132.0usft (Patterson 245)
<b>Reference Site:</b>	Section 32-23S-28E Zeppelin 32 W2LI St Com 2H	<b>MD Reference:</b>	3105 + 27 @ 3132.0usft (Patterson 245)
<b>Site Error:</b>	0.0	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	Zeppelin 32 W2LI State Com 2H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Original Hole	<b>Database:</b>	Stryker_EDM
<b>Reference Design:</b>	Plan#1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design Section 32-23S-28E Zeppelin 32 W0LI St Com 1H - Zeppelin 32 W0LI State Com 1H - Original Hole - P												Offset Site Error:	0.0 usft
Survey Program: 0-Reference												Offset Well Error:	0.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Semi Major Axis Reference (usft)	Offset (usft)	Highside Toolface (°)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Risked Separation Factor	Probability of Collision	Warning
1,800.0	1,800.0	1,800.0	1,800.0	4.2	0.0	0.46	50.0	45.8	4.2 12.042	0			
1,900.0	1,900.0	1,900.0	1,900.0	4.4	0.0	0.46	50.0	45.6	4.4 11.386	0			
2,000.0	2,000.0	2,000.0	2,000.0	4.6	0.0	0.46	50.0	45.4	4.6 10.798	0			
2,100.0	2,100.0	2,100.0	2,100.0	4.9	0.0	0.46	50.0	45.1	4.9 10.268	0			
2,200.0	2,200.0	2,200.0	2,200.0	5.1	0.0	0.46	50.0	44.9	5.1 9.787	0			
2,300.0	2,300.0	2,300.0	2,300.0	5.3	0.0	0.46	50.0	44.7	5.3 9.350	0			
2,400.0	2,400.0	2,400.0	2,400.0	5.6	0.0	0.46	50.0	44.4	5.6 8.950	0			
2,500.0	2,500.0	2,500.0	2,500.0	5.8	0.0	0.46	50.0	44.2	5.8 8.582	0			
2,600.0	2,600.0	2,600.0	2,600.0	6.1	0.0	0.46	50.0	43.9	6.1 8.244	0			
2,700.0	2,700.0	2,698.9	2,698.9	6.3	0.0	34.98	50.0	43.7	6.3 7.936	0			
2,788.3	2,788.3	2,784.4	2,784.3	6.5	0.0	35.00	50.0	43.5	6.5 7.692	0			
2,788.3	2,788.3	2,786.3	2,786.3	6.5	0.0	35.00	50.0	43.5	6.5 7.686	0		CC	
2,800.0	2,799.9	2,797.9	2,797.8	6.5	0.0	34.99	50.0	43.4	6.5 7.657	0		ES	
2,900.0	2,899.8	2,902.3	2,897.5	6.8	0.0	34.55	50.5	43.8	6.8 7.477	0			
3,000.0	2,999.7	3,002.3	2,997.3	7.0	0.0	34.11	51.1	44.1	7.0 7.310	0			
3,100.0	3,099.6	3,102.3	3,097.2	7.2	0.0	33.67	51.7	44.5	7.2 7.155	0			
3,200.0	3,199.4	3,202.3	3,197.0	7.5	0.0	33.25	52.3	44.8	7.5 7.008	0			
3,300.0	3,299.3	3,302.3	3,296.8	7.7	0.0	32.83	52.9	45.2	7.7 6.870	0			
3,400.0	3,399.2	3,402.3	3,396.7	7.9	0.0	32.42	53.5	45.5	7.9 6.741	0			
3,500.0	3,499.1	3,502.3	3,496.5	8.2	0.0	32.02	54.0	45.9	8.2 6.618	0			
3,600.0	3,599.0	3,602.3	3,596.4	8.4	0.0	31.63	54.6	46.2	8.4 6.503	0			
3,700.0	3,698.8	3,702.3	3,696.2	8.7	0.0	31.25	55.2	46.6	8.6 6.394	0			
3,800.0	3,798.7	3,802.3	3,796.0	8.9	0.0	30.88	55.8	47.0	8.9 6.290	0			
3,900.0	3,898.6	3,902.3	3,895.9	9.1	0.0	30.52	56.4	47.3	9.1 6.192	0			
4,000.0	3,998.5	4,002.3	3,995.7	9.4	0.0	30.16	57.0	47.7	9.4 6.099	0			
4,100.0	4,098.4	4,102.3	4,095.6	9.6	0.0	29.81	57.7	48.1	9.6 6.011	0			
4,200.0	4,198.2	4,202.3	4,195.4	9.9	0.0	29.47	58.3	48.4	9.8 5.927	0			
4,300.0	4,298.1	4,302.3	4,295.3	10.1	0.0	29.13	58.9	48.8	10.1 5.847	0			
4,400.0	4,398.0	4,402.3	4,395.1	10.3	0.0	28.80	59.5	49.2	10.3 5.771	0			
4,500.0	4,497.9	4,502.3	4,494.9	10.6	0.0	28.48	60.1	49.6	10.5 5.699	0			
4,600.0	4,597.8	4,602.3	4,594.8	10.8	0.0	28.17	60.7	49.9	10.8 5.629	0			
4,700.0	4,697.6	4,702.3	4,694.6	11.1	0.0	27.86	61.3	50.3	11.0 5.563	0			
4,800.0	4,797.5	4,802.3	4,794.5	11.3	0.0	27.55	62.0	50.7	11.3 5.500	0			
4,900.0	4,897.4	4,897.7	4,894.3	11.6	0.0	27.26	62.6	51.1	11.5 5.439	0			
5,000.0	4,997.3	5,002.3	4,994.2	11.8	0.0	26.97	63.2	51.5	11.7 5.381	0			
5,100.0	5,097.2	5,102.3	5,094.0	12.1	0.0	26.68	63.8	51.9	12.0 5.326	0			
5,200.0	5,197.1	5,202.3	5,193.8	12.3	0.0	26.40	64.5	52.2	12.2 5.273	0			
5,300.0	5,296.9	5,302.3	5,293.7	12.6	0.0	26.13	65.1	52.6	12.5 5.221	0			
5,400.0	5,396.8	5,402.3	5,393.5	12.8	0.0	25.86	65.7	53.0	12.7 5.172	0			
5,500.0	5,496.7	5,502.4	5,493.4	13.1	0.0	25.60	66.4	53.4	12.9 5.125	0			
5,600.0	5,596.6	5,602.4	5,593.2	13.3	0.0	25.34	67.0	53.8	13.2 5.080	0			
5,700.0	5,696.5	5,702.4	5,693.0	13.6	0.0	25.08	67.6	54.2	13.4 5.036	0			
5,800.0	5,796.3	5,802.4	5,792.9	13.8	0.0	24.83	68.3	54.6	13.7 4.994	0			
5,900.0	5,896.2	5,902.4	5,892.7	14.0	0.0	24.59	68.9	55.0	13.9 4.953	0			
6,000.0	5,996.1	6,002.4	5,992.6	14.3	0.0	24.35	69.5	55.4	14.2 4.914	0			
6,100.0	6,096.0	6,102.4	6,092.4	14.5	0.0	24.11	70.2	55.8	14.4 4.876	0			
6,200.0	6,195.9	6,202.4	6,192.3	14.8	0.0	23.88	70.8	56.2	14.6 4.840	0			
6,300.0	6,295.7	6,302.4	6,292.1	15.0	0.0	23.65	71.5	56.6	14.9 4.805	0			
6,400.0	6,395.6	6,397.6	6,391.9	15.3	0.0	23.43	72.1	57.0	15.1 4.771	0			
6,500.0	6,495.5	6,502.4	6,491.8	15.5	0.0	23.21	72.7	57.4	15.4 4.738	0			
6,600.0	6,595.4	6,597.6	6,591.6	15.8	0.0	23.00	73.4	57.8	15.6 4.706	0			
6,700.0	6,695.3	6,702.4	6,691.5	16.0	0.0	22.78	74.0	58.2	15.8 4.675	0			
6,800.0	6,795.2	6,802.4	6,791.3	16.3	0.0	22.58	74.7	58.6	16.1 4.645	0			

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



<b>Company:</b>	Mewbourne Oil Company	<b>Local Co-ordinate Reference:</b>	Well Zeppelin 32 W2LI State Com 2H
<b>Project:</b>	Eddy County, N.M. Nad (83)	<b>TVD Reference:</b>	3105 + 27 @ 3132.0usft (Patterson 245)
<b>Reference Site:</b>	Section 32-23S-28E Zeppelin 32 W2LI St Com 2H	<b>MD Reference:</b>	3105 + 27 @ 3132.0usft (Patterson 245)
<b>Site Error:</b>	0.0	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	Zeppelin 32 W2LI State Com 2H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Original Hole	<b>Database:</b>	Stryker_EDM
<b>Reference Design:</b>	Plan#1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.0 usft
Survey Program: 0-Reference												Offset Well Error:	0.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Risk of Collision	Warning	
6,900.0	6,895.0	6,897.6	6,891.1	16.5	0.0	22.37	75.3	59.0	16.3	4.616	0		
7,000.0	6,994.9	7,002.4	6,991.0	16.8	0.0	22.17	76.0	59.4	16.6	4.588	0		
7,100.0	7,094.8	7,102.4	7,090.8	17.0	0.0	21.97	76.6	59.8	16.8	4.561	0		
7,200.0	7,194.7	7,202.4	7,190.7	17.3	0.0	21.78	77.3	60.2	17.0	4.535	0		
7,300.0	7,294.6	7,302.4	7,290.5	17.5	0.0	21.59	77.9	60.6	17.3	4.509	0		
7,400.0	7,394.4	7,402.4	7,390.4	17.8	0.0	21.40	78.6	61.1	17.5	4.485	0		
7,500.0	7,494.3	7,502.4	7,490.2	18.0	0.0	21.21	79.2	61.5	17.8	4.461	0		
7,600.0	7,594.2	7,602.4	7,590.0	18.3	0.0	21.03	79.9	61.9	18.0	4.437	0		
7,700.0	7,694.1	7,702.4	7,689.9	18.5	0.0	20.85	80.5	62.3	18.2	4.414	0		
7,800.0	7,794.0	7,797.6	7,789.7	18.8	0.0	20.68	81.2	62.7	18.5	4.392	0		
7,900.0	7,893.8	7,902.4	7,889.6	19.0	0.0	20.51	81.9	63.1	18.7	4.371	0		
8,000.0	7,993.7	8,002.4	7,989.4	19.3	0.0	20.33	82.5	63.5	19.0	4.350	0		
8,100.0	8,093.6	8,102.4	8,089.2	19.5	0.0	20.17	83.2	64.0	19.2	4.330	0		
8,200.0	8,193.5	8,202.4	8,189.1	19.8	0.0	20.00	83.8	64.4	19.5	4.310	0		
8,300.0	8,293.4	8,302.4	8,288.9	20.0	0.0	19.84	84.5	64.8	19.7	4.290	0		
8,400.0	8,393.2	8,402.4	8,388.8	20.3	0.0	19.68	85.2	65.2	19.9	4.272	0		
8,500.0	8,493.1	8,502.4	8,488.6	20.5	0.0	19.52	85.8	65.6	20.2	4.253	0		
8,600.0	8,593.0	8,602.4	8,588.5	20.8	0.0	19.37	86.5	66.1	20.4	4.236	0		
8,700.0	8,692.9	8,697.6	8,688.3	21.0	0.0	19.21	87.1	66.5	20.7	4.218	0		
8,800.0	8,792.8	8,799.8	8,790.4	21.3	0.0	19.06	87.6	66.6	20.9	4.198	0		
8,900.0	8,892.7	8,901.9	8,892.5	21.6	0.0	20.14	88.4	67.2	21.2	3.941	0		
9,000.0	8,992.5	9,001.9	8,992.5	21.8	0.0	21.36	78.8	57.4	21.4	3.681	0		
9,100.0	9,092.4	9,103.5	9,093.4	22.1	0.0	30.74	72.9	51.2	21.7	3.355	0		
9,148.3	9,140.7	9,149.7	9,138.0	22.2	0.0	41.08	71.3	49.4	21.9	3.251	0	SF	
9,200.0	9,192.3	9,195.9	9,181.4	22.3	0.0	54.63	74.2	52.0	22.1	3.349	0		
9,300.0	9,292.2	9,274.4	9,250.8	22.6	0.0	78.33	100.6	78.4	22.2	4.525	0		
9,400.0	9,392.1	9,338.8	9,302.7	22.8	0.0	92.54	151.3	129.1	22.2	6.824	0		
9,500.0	9,491.9	9,390.7	9,340.4	23.1	0.0	100.26	216.7	194.5	22.2	9.761	0		
9,571.9	9,563.7	9,421.7	9,361.1	23.2	0.0	103.67	269.5	247.2	22.3	12.088	0		
9,600.0	9,591.8	9,432.6	9,368.0	23.3	0.0	105.18	291.1	268.8	22.3	13.031	0		
9,700.0	9,691.8	9,467.2	9,388.5	23.5	0.0	109.61	371.1	348.6	22.5	16.464	0		
9,758.2	9,750.0	9,484.6	9,398.1	23.6	0.0	77.24	419.4	396.7	22.7	18.490	0		
9,800.0	9,791.8	9,500.0	9,406.1	23.7	0.0	77.92	454.8	432.0	22.8	19.941	0		
9,860.5	9,852.3	9,511.2	9,411.7	23.8	0.0	78.39	506.9	483.9	23.0	22.055	0		
9,900.0	9,891.7	9,525.0	9,418.2	23.9	0.0	-6.24	540.8	517.6	23.1	23.405	0		
9,950.0	9,941.4	9,533.6	9,422.1	24.0	0.0	-5.28	582.1	558.9	23.2	25.050	0		
10,000.0	9,990.4	9,550.0	9,429.2	24.0	0.0	-4.40	621.8	598.5	23.4	26.597	0		
10,050.0	10,038.3	9,560.8	9,433.5	24.1	0.0	-3.81	659.7	636.2	23.5	28.054	0		
10,100.0	10,084.9	9,575.0	9,438.9	24.1	0.0	-3.30	695.6	672.0	23.6	29.414	0		
10,150.0	10,129.6	9,589.8	9,444.1	24.2	0.0	-2.89	729.5	705.8	23.8	30.678	0		
10,200.0	10,172.3	9,600.0	9,447.5	24.2	0.0	-2.59	761.4	737.5	23.9	31.847	0		
10,250.0	10,212.5	9,625.0	9,454.8	24.3	0.0	-2.23	791.0	767.0	24.0	32.921	0		
10,300.0	10,249.9	9,635.6	9,457.5	24.3	0.0	-2.03	818.4	794.2	24.1	33.892	0		
10,350.0	10,284.4	9,650.0	9,460.8	24.3	0.0	-1.83	843.5	819.2	24.3	34.767	0		
10,400.0	10,315.5	9,667.2	9,464.2	24.5	0.0	-1.65	866.2	841.8	24.4	35.544	0		
10,450.0	10,343.1	9,683.3	9,466.9	24.7	0.0	-1.49	886.5	862.0	24.5	36.221	0		
10,500.0	10,367.0	9,700.0	9,469.0	25.0	0.0	-1.36	904.4	879.8	24.6	36.798	0		
10,550.0	10,387.0	9,715.8	9,470.6	25.4	0.0	-1.24	919.7	895.0	24.7	37.271	0		
10,600.0	10,402.9	9,732.2	9,471.6	25.8	0.0	-1.13	932.5	907.8	24.8	37.643	0		
10,650.0	10,414.6	9,756.8	9,472.2	26.3	0.0	-1.00	942.7	917.9	24.9	37.922	0		
10,700.0	10,422.0	9,806.3	9,473.2	26.8	0.0	-0.77	949.1	924.2	24.9	38.094	0		
10,745.3	10,425.0	9,851.4	9,474.1	27.3	0.0	-0.58	951.2	926.2	25.0	38.106	0		
10,800.0	10,426.5	9,906.0	9,475.2	28.0	0.0	-0.40	951.5	926.5	25.0	38.032	0		

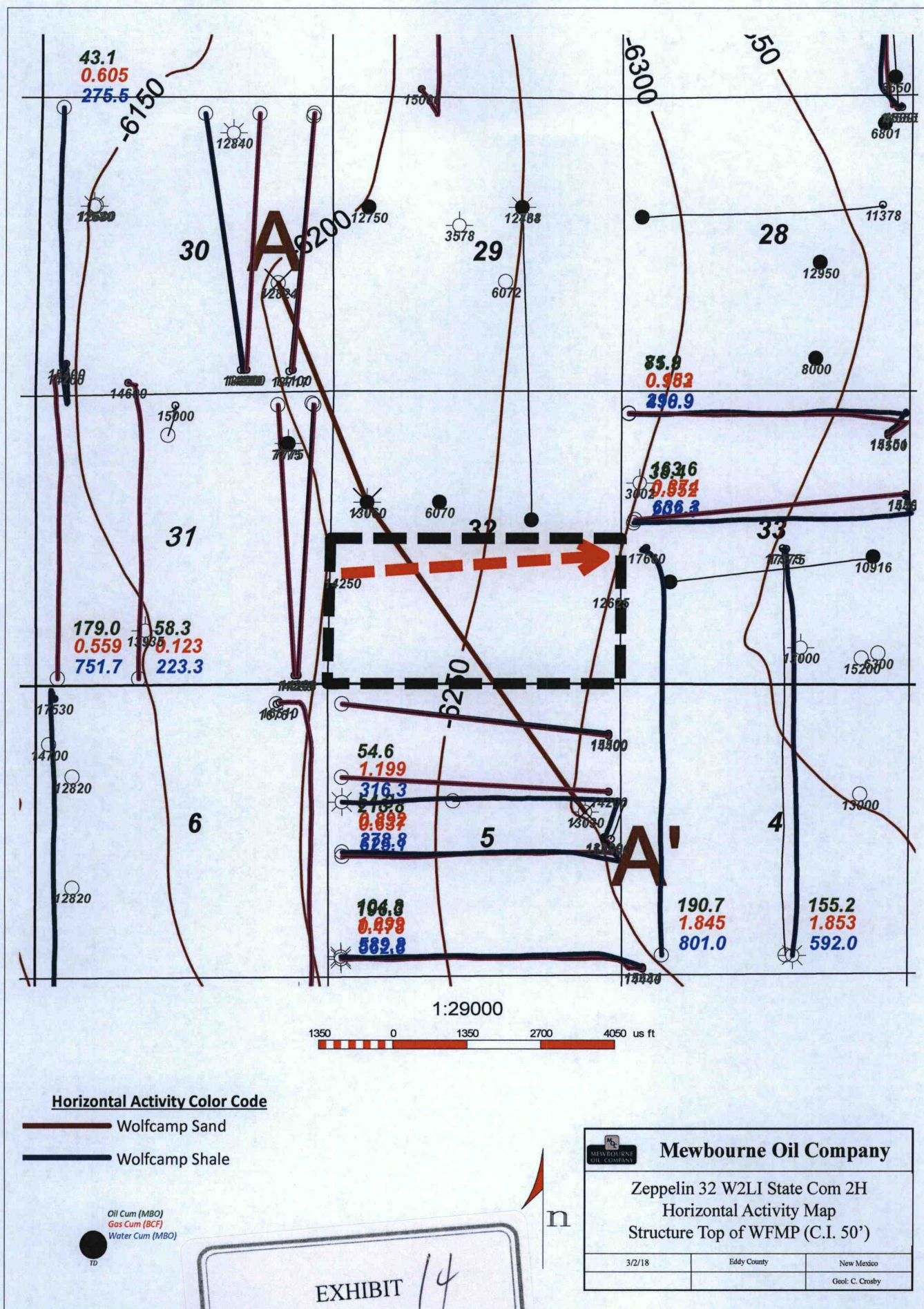
CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



<b>Company:</b>	Mewbourne Oil Company	<b>Local Co-ordinate Reference:</b>	Well Zeppelin 32 W2LI State Com 2H
<b>Project:</b>	Eddy County, N.M. Nad (83)	<b>TVD Reference:</b>	3105 + 27 @ 3132.0usft (Patterson 245)
<b>Reference Site:</b>	Section 32-23S-28E Zeppelin 32 W2LI St Com 2H	<b>MD Reference:</b>	3105 + 27 @ 3132.0usft (Patterson 245)
<b>Site Error:</b>	0.0	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	Zeppelin 32 W2LI State Com 2H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Original Hole	<b>Database:</b>	Stryker_EDM
<b>Reference Design:</b>	Plan#1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design Section 32-23S-28E Zeppelin 32 W0LI St Com 1H - Zeppelin 32 W0LI State Com 1H - Original Hole - P												Offset Site Error:	0.0 usft
Survey Program: 0-Reference												Offset Well Error:	0.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Semi Major Axis Reference (usft)	Offset (usft)	Highside Toolface (°)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Risked Separation Factor	Probability of Collision	Warning
10,900.0	10,429.1	10,005.9	9,477.2	29.4	0.0	-0.24	952.1	927.0	25.1	37.875	0		
10,943.3	10,430.3	10,049.3	9,478.1	30.0	0.0	-0.24	952.4	927.2	25.2	37.797	0		
11,000.0	10,431.8	10,105.9	9,479.2	31.0	0.0	-0.23	952.8	927.5	25.3	37.688	0		
11,100.0	10,434.4	10,205.9	9,481.2	32.7	0.0	-0.23	953.4	928.0	25.4	37.472	0		
11,200.0	10,437.1	10,305.9	9,483.2	34.5	0.0	-0.22	954.1	928.4	25.6	37.230	0		
11,300.0	10,439.7	10,405.9	9,485.2	36.5	0.0	-0.21	954.7	928.9	25.8	36.964	0		
11,400.0	10,442.4	10,505.9	9,487.2	38.6	0.0	-0.21	955.4	929.3	26.0	36.675	0		
11,500.0	10,445.0	10,605.9	9,489.2	40.7	0.0	-0.20	956.0	929.7	26.3	36.365	0		
11,600.0	10,447.6	10,705.9	9,491.2	42.9	0.0	-0.20	956.7	930.1	26.5	36.036	0		
11,700.0	10,450.3	10,805.9	9,493.2	45.2	0.0	-0.19	957.3	930.5	26.8	35.690	0		
11,800.0	10,452.9	10,905.9	9,495.2	47.5	0.0	-0.19	958.0	930.8	27.1	35.329	0		
11,900.0	10,455.6	11,005.9	9,497.2	49.9	0.0	-0.18	958.6	931.2	27.4	34.955	0		
12,000.0	10,458.2	11,105.9	9,499.2	52.3	0.0	-0.17	959.3	931.5	27.7	34.569	0		
12,100.0	10,460.9	11,205.9	9,501.2	54.7	0.0	-0.17	959.9	931.8	28.1	34.174	0		
12,200.0	10,463.5	11,305.9	9,503.2	57.2	0.0	-0.16	960.6	932.1	28.4	33.770	0		
12,300.0	10,466.2	11,405.9	9,505.2	59.7	0.0	-0.16	961.2	932.4	28.8	33.359	0		
12,400.0	10,468.8	11,505.9	9,507.1	62.2	0.0	-0.15	961.8	932.7	29.2	32.944	0		
12,500.0	10,471.4	11,605.9	9,509.1	64.8	0.0	-0.15	962.5	932.9	29.6	32.525	0		
12,600.0	10,474.1	11,705.9	9,511.1	67.3	0.0	-0.14	963.1	933.1	30.0	32.103	0		
12,700.0	10,476.7	11,805.9	9,513.1	69.9	0.0	-0.14	963.8	933.4	30.4	31.680	0		
12,800.0	10,479.4	11,905.9	9,515.1	72.5	0.0	-0.13	964.4	933.6	30.9	31.257	0		
12,900.0	10,482.0	12,005.9	9,517.1	75.1	0.0	-0.12	965.1	933.8	31.3	30.834	0		
13,000.0	10,484.7	12,105.9	9,519.1	77.7	0.0	-0.12	965.7	934.0	31.8	30.413	0		
13,100.0	10,487.3	12,205.9	9,521.1	80.3	0.0	-0.11	966.4	934.2	32.2	29.994	0		
13,200.0	10,490.0	12,305.9	9,523.1	82.9	0.0	-0.11	967.0	934.3	32.7	29.579	0		
13,300.0	10,492.6	12,405.9	9,525.1	85.5	0.0	-0.10	967.7	934.5	33.2	29.166	0		
13,400.0	10,495.2	12,505.9	9,527.1	88.2	0.0	-0.10	968.3	934.7	33.7	28.759	0		
13,500.0	10,497.9	12,605.9	9,529.1	90.8	0.0	-0.09	969.0	934.8	34.2	28.355	0		
13,600.0	10,500.5	12,705.9	9,531.1	93.5	0.0	-0.09	969.6	934.9	34.7	27.957	0		
13,700.0	10,503.2	12,805.9	9,533.1	96.1	0.0	-0.08	970.3	935.1	35.2	27.564	0		
13,800.0	10,505.8	12,905.9	9,535.1	98.8	0.0	-0.07	970.9	935.2	35.7	27.177	0		
13,900.0	10,508.5	13,005.9	9,537.1	101.5	0.0	-0.07	971.6	935.3	36.3	26.796	0		
14,000.0	10,511.1	13,105.9	9,539.1	104.1	0.0	-0.06	972.2	935.4	36.8	26.421	0		
14,100.0	10,513.8	13,205.9	9,541.1	106.8	0.0	-0.06	972.9	935.5	37.3	26.052	0		
14,200.0	10,516.4	13,305.9	9,543.1	109.5	0.0	-0.05	973.5	935.6	37.9	25.689	0		
14,300.0	10,519.0	13,405.9	9,545.1	112.2	0.0	-0.05	974.2	935.7	38.5	25.333	0		
14,400.0	10,521.7	13,505.9	9,547.1	114.9	0.0	-0.04	974.8	935.8	39.0	24.983	0		
14,500.0	10,524.3	13,605.9	9,549.1	117.6	0.0	-0.04	975.5	935.9	39.6	24.640	0		
14,600.0	10,527.0	13,705.9	9,551.1	120.3	0.0	-0.03	976.1	936.0	40.2	24.303	0		
14,700.0	10,529.6	13,805.9	9,553.0	123.0	0.0	-0.02	976.8	936.0	40.7	23.973	0		
14,800.0	10,532.3	13,905.9	9,555.0	125.7	0.0	-0.02	977.4	936.1	41.3	23.650	0		
14,900.0	10,534.9	14,005.9	9,557.0	128.4	0.0	-0.01	978.1	936.1	41.9	23.333	0		
15,000.0	10,537.6	14,105.9	9,559.0	131.1	0.0	-0.01	978.7	936.2	42.5	23.022	0		
15,100.0	10,540.2	14,205.9	9,561.0	133.8	0.0	0.00	979.4	936.3	43.1	22.717	0		
15,168.1	10,542.0	14,254.4	9,562.0	135.6	0.0	0.00	980.0	936.4	43.6	22.457	0		







A  
N

30015234890000  
BELCO PET NTHAMER  
COACHELL COM 1  
Datum=3119.00  
1980 FSL 980 FWL  
TWP: 23 S - Range: 28 E - Sec. 30

4267 ft

30015235140000  
AMOCO PROD CO  
STATE 'JB' COM 1  
Datum=3136.00  
1980 FSL 980 FWL  
TWP: 23 S - Range: 28 E - Sec. 32

6065 ft

30015221840000  
HNG OIL COMPANY  
VALDEZ /S/ COM 1  
Datum=3063.00  
2310 FSL 980 FWL  
TWP: 24 S - Range: 28 E - Sec. 5

A'  
S

30I

32E

5H

0  
WFMP

WFMP  
SDs

WFMP A

WFMP B

-500

WFMP C

WFMP D  
-1000

0

-500

-1000

EXHIBIT  
15

TD=12824.00  
Cum Oil All Zones: 252 bbls  
Cum Gas All Zones: 475287 MCF  
Cum Water All Zones: 1176 bbls

TD=13060.00

TD=13030.00

Zeppelin 32 W2LI State Com 2H  
Cross Section Exhibit (A-A')



**Zeppelin Area Wolfcamp Productin Table**

Well Name	Operator	API	Location	WFMP Comp Date	Cum Oil (Mbo)	Cum Gas (Bcf)	Cum Water (Mbw)	NS/EW	WFMP Zone
B Banker 33 23S28E RB 221H	Matador	3001543306	33A/23S/28E	6/14/2016	77.3	1	429.5	EW	WFMP D Shale
Jimmy Kone 05 24S 28E RB 208H	Matador	3001543389	5M/24S/28E	5/17/2016	200.1	0.5	574.6	EW	WFMP Y Sand
Jimmy Kone 05 24S 28E RB 203H	Matador	3001543475	5I/24S/28E	8/19/2016	218.8	0.5	663.2	EW	WFMP Y Sand
Jimmy Kone 05 24S 28E RB 223H	Matador	3001543477	5I/24S/28E	3/3/2017	56.5	0.9	290.9	EW	WFMP D Shale
Foreigner 33-4 W2LM Fee 1H	Mewbourne	3001543494	33L/23S/28E	8/14/2016	190.7	1.84	801	NS	WFMP D Shale
Loving Townsite 21 WOPA Fee 2H	Mewbourne	3001543495	28A/23S/28E	6/13/2017	105.1	0.2	388.5	NS	WFMP Y Sand
Loving Townsite 21 W2PA Fee 1H	Mewbourne	3001543496	28A/23S/28E	6/14/2017	64.4	0.8	367.2	NS	WFMP D Shale
Foreigner 33-4 W2JO Fee Com 1H	Mewbourne	3001543499	33J/23S/28E	5/28/2016	155.2	1.85	592	NS	WFMP D Shale
Jimmy Kone 05 24S 28E RB 228H	Matador	3001543542	4M/24S/28E	5/20/2016	106.8	1.7	603	EW	WFMP D Shale
Charlie Sweeney State Com 31 23S 28E RB 201H	Matador	3001543695	30M/23S/28E	7/27/2016	179	0.6	751.7	NS	WFMP Y Sand
B Banker 33 23S 28E RB 226H	Matador	3001543817	33H/23S/28E	9/6/2016	167.9	0.4	658.6	EW	WFMP D Shale
Jim Tom Lontos 30 23S 28E RB 221H	Matador	3001543826	30M/23S/28E	2/8/2017	43.1	0.6	275.5	NS	WFMP D Shale
B Banker 33 23S 28E RN 206H	Matador	3001543842	33H/23S/28E	7/17/2017	42	0.6	216.7	EW	WFMP Y Sand
Charlie Sweeney State Com 31 23S 28E RB 202H	Matador	3001543925	30N/23S/28E	9/4/2017	58.3	0.1	223.3	NS	WFMP Y Sand
Jimmy Kone 5 24S 28E RB 226H	Matador	3001543958	5I/24S/28E	3/3/2017	54.6	1.2	316.3	EW	WFMP D Shale
B Banker 33 23S 28E RB 201H	Matador	3001544138	33A/23S/28E	7/26/2017	95.5	0.2	327.2	EW	WFMP Y Sand
Jim Tom Lontos 30 23S 28E RB 206H	Matador	3001544139	30N/23S/28E	9/4/2017	84.6	0.2	263.8	EW	WFMP Y Sand
Motley 6-7 W2DE Federal Com 1H	Mewbourne	3001544140	6D/24S/28E	8/12/2017	70	0.9	345.7	NS	WFMP D Shale

EXHIBIT

16





COMPANY: Mewbourne Oil Company  
WELL: Zeppelin 32 W2LI State Com 2H  
COUNTY: Eddy County, N.M. Nad (83)  
DATUM: North American Datum 1983  
RIG: Patterson Patterson 245

GRID CORRECTION: To convert a Magnetic Direction to a Grid Direction, Add 7.03°

EXHIBIT 17

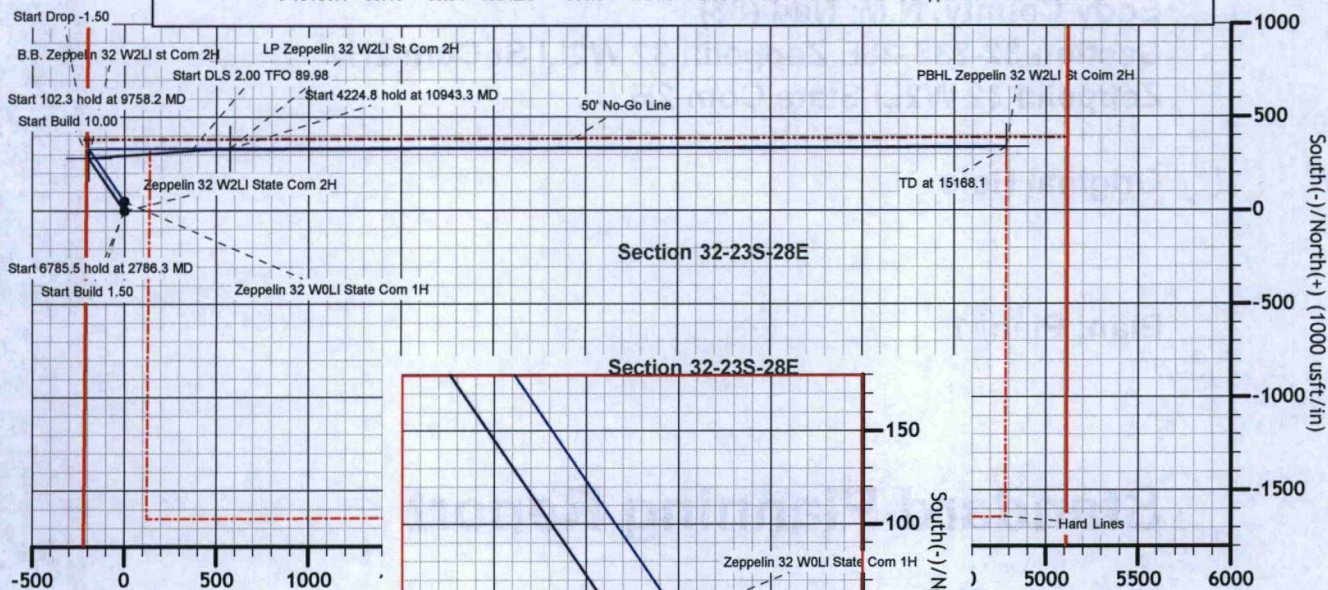
OFFICE 504.582.7211

GEODETTIC ZONE: New Mexico Eastern Zone  
3105 + 27 @ 3132.0usft (Patterson 245)  
GROUND ELEVATION: 3105.0

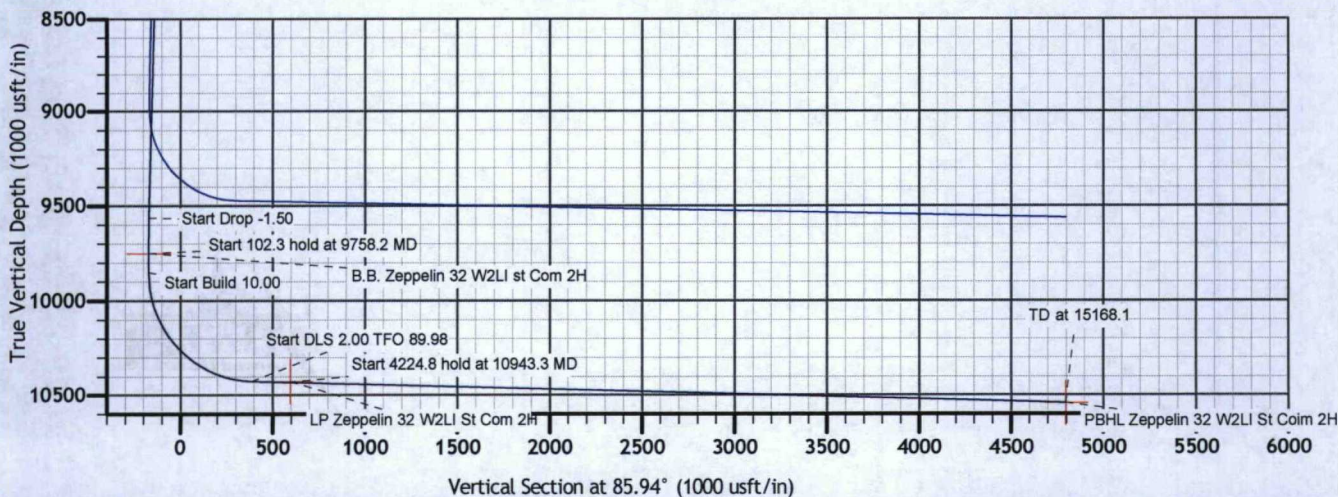
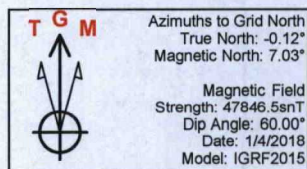
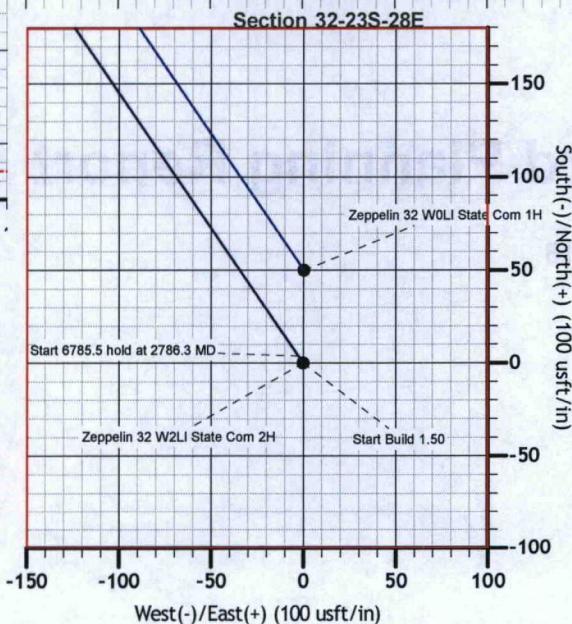
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	458271.00	608047.90	32° 15' 34.840 N	104° 7' 3.072 W	

#### PLAN SECTIONS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	2600.0	0.00	0.00	2600.0	0.0	0.0	0.00	0.00	0.0	
3	2786.3	2.80	325.49	2786.3	3.7	-2.6	1.50	325.49	-2.3	
4	9571.9	2.80	325.49	9563.7	276.4	-190.0	0.00	0.00	-170.0	
5	9758.2	0.00	0.00	9750.0	280.2	-192.6	1.50	180.00	-172.3	B.B. Zeppelin 32 W2LI st Com 2H
6	9860.5	0.00	0.00	9852.3	280.2	-192.6	0.00	0.00	-172.3	
7	10745.3	88.48	85.88	10425.0	320.2	363.7	10.00	85.88	385.4	
8	10943.3	88.48	89.84	10430.3	327.6	561.5	2.00	89.98	583.2	
9	15168.1	88.48	89.84	10542.0	339.3	4784.8	0.00	0.00	4796.8	PBHL Zeppelin 32 W2LI St Coim 2H



SHL 1980' FSL; 205' FWL  
Section 32-23S-28E  
PBHL 2310' FSL; 330' FEL  
Section 32-23S-28E







# Mewbourne Oil Company

Eddy County, N.M. Nad (83)

Section 32-23S-28E Zeppelin 32 W2LI St Com 2H

Zeppelin 32 W2LI State Com 2H

Original Hole

Plan: Plan#1

## Standard Planning Report

05 January, 2018





<b>Database:</b>	Stryker_EDM	<b>Local Co-ordinate Reference:</b>	Well Zeppelin 32 W2LI State Com 2H
<b>Company:</b>	Mewbourne Oil Company	<b>TVD Reference:</b>	3105 + 27 @ 3132.0usft (Patterson 245)
<b>Project:</b>	Eddy County, N.M. Nad (83)	<b>MD Reference:</b>	3105 + 27 @ 3132.0usft (Patterson 245)
<b>Site:</b>	Section 32-23S-28E Zeppelin 32 W2LI St Com 2H	<b>North Reference:</b>	Grid
<b>Well:</b>	Zeppelin 32 W2LI State Com 2H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Original Hole		
<b>Design:</b>	Plan#1		

<b>Project</b>	Eddy County, N.M. Nad (83)		
<b>Map System:</b>	US State Plane 1983	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	North American Datum 1983		
<b>Map Zone:</b>	New Mexico Eastern Zone		

<b>Site</b>	Section 32-23S-28E Zeppelin 32 W2LI St Com 2H		
<b>Site Position:</b>		<b>Northing:</b>	458,271.00 usft
<b>From:</b>	Map	<b>Easting:</b>	608,047.90 usft
<b>Position Uncertainty:</b>	0.0 usft	<b>Slot Radius:</b>	13-3/16 "
		<b>Latitude:</b>	32° 15' 34.840 N
		<b>Longitude:</b>	104° 7' 3.072 W
		<b>Grid Convergence:</b>	0.12 °

<b>Well</b>	Zeppelin 32 W2LI State Com 2H		
<b>Well Position</b>	<b>+N/-S</b>	0.0 usft	<b>Northing:</b> 458,271.00 usft
	<b>+E/-W</b>	0.0 usft	<b>Easting:</b> 608,047.90 usft
<b>Position Uncertainty</b>	0.0 usft	<b>Wellhead Elevation:</b>	27.0 usft
		<b>Latitude:</b>	32° 15' 34.840 N
		<b>Longitude:</b>	104° 7' 3.072 W
		<b>Ground Level:</b>	3,105.0 usft

<b>Wellbore</b>	Original Hole		
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Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	1/4/2018	7.15	60.00	47,846.53654643

<b>Design</b>	Plan#1		
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<b>Audit Notes:</b>				
<b>Version:</b>	<b>Phase:</b>	PLAN	<b>Tie On Depth:</b>	0.0
<b>Vertical Section:</b>	<b>Depth From (TVD) (usft)</b>	<b>+N/-S (usft)</b>	<b>+E/-W (usft)</b>	<b>Direction (°)</b>
	0.0	0.0	0.0	85.94

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,600.0	0.00	0.00	2,600.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,786.3	2.80	325.49	2,786.3	3.7	-2.6	1.50	1.50	0.00	325.49	
9,571.9	2.80	325.49	9,563.7	276.4	-190.0	0.00	0.00	0.00	0.00	
9,758.2	0.00	0.00	9,750.0	280.2	-192.6	1.50	-1.50	0.00	180.00	B.B. Zeppelin 32 W
9,860.5	0.00	0.00	9,852.3	280.2	-192.6	0.00	0.00	0.00	0.00	
10,745.3	88.48	85.88	10,425.0	320.2	363.7	10.00	10.00	0.00	85.88	
10,943.3	88.48	89.84	10,430.3	327.6	561.5	2.00	0.00	2.00	89.98	
15,168.1	88.48	89.84	10,542.0	339.3	4,784.8	0.00	0.00	0.00	0.00	PBHL Zeppelin 32 \





# Microsoft Planning Report



Database:	Stryker_EDM	Local Co-ordinate Reference:	Well Zeppelin 32 W2LI State Com 2H
Company:	Mewbourne Oil Company	TVD Reference:	3105 + 27 @ 3132.0usft (Patterson 245)
Project:	Eddy County, N.M. Nad (83)	MD Reference:	3105 + 27 @ 3132.0usft (Patterson 245)
Site:	Section 32-23S-28E Zeppelin 32 W2LI St Com 2H	North Reference:	Grid
Well:	Zeppelin 32 W2LI State Com 2H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Hole		
Design:	Plan#1		

## Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	0.00
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	0.00
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.0	0.00	0.00	0.00
1,900.0	0.00	0.00	1,900.0	0.0	0.0	0.0	0.00	0.00	0.00
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.0	0.00	0.00	0.00
2,100.0	0.00	0.00	2,100.0	0.0	0.0	0.0	0.00	0.00	0.00
2,200.0	0.00	0.00	2,200.0	0.0	0.0	0.0	0.00	0.00	0.00
2,300.0	0.00	0.00	2,300.0	0.0	0.0	0.0	0.00	0.00	0.00
2,400.0	0.00	0.00	2,400.0	0.0	0.0	0.0	0.00	0.00	0.00
2,500.0	0.00	0.00	2,500.0	0.0	0.0	0.0	0.00	0.00	0.00
2,600.0	0.00	0.00	2,600.0	0.0	0.0	0.0	0.00	0.00	0.00
2,700.0	1.50	325.49	2,700.0	1.1	-0.7	-0.7	1.50	1.50	0.00
2,786.3	2.80	325.49	2,786.3	3.7	-2.6	-2.3	1.50	1.50	0.00
2,800.0	2.80	325.49	2,799.9	4.3	-3.0	-2.6	0.00	0.00	0.00
2,900.0	2.80	325.49	2,899.8	8.3	-5.7	-5.1	0.00	0.00	0.00
3,000.0	2.80	325.49	2,999.7	12.3	-8.5	-7.6	0.00	0.00	0.00
3,100.0	2.80	325.49	3,099.6	16.3	-11.2	-10.1	0.00	0.00	0.00
3,200.0	2.80	325.49	3,199.4	20.4	-14.0	-12.5	0.00	0.00	0.00
3,300.0	2.80	325.49	3,299.3	24.4	-16.8	-15.0	0.00	0.00	0.00
3,400.0	2.80	325.49	3,399.2	28.4	-19.5	-17.5	0.00	0.00	0.00
3,500.0	2.80	325.49	3,499.1	32.4	-22.3	-19.9	0.00	0.00	0.00
3,600.0	2.80	325.49	3,599.0	36.4	-25.1	-22.4	0.00	0.00	0.00
3,700.0	2.80	325.49	3,698.8	40.5	-27.8	-24.9	0.00	0.00	0.00
3,800.0	2.80	325.49	3,798.7	44.5	-30.6	-27.4	0.00	0.00	0.00
3,900.0	2.80	325.49	3,898.6	48.5	-33.3	-29.8	0.00	0.00	0.00
4,000.0	2.80	325.49	3,998.5	52.5	-36.1	-32.3	0.00	0.00	0.00
4,100.0	2.80	325.49	4,098.4	56.5	-38.9	-34.8	0.00	0.00	0.00
4,200.0	2.80	325.49	4,198.2	60.6	-41.6	-37.2	0.00	0.00	0.00
4,300.0	2.80	325.49	4,298.1	64.6	-44.4	-39.7	0.00	0.00	0.00
4,400.0	2.80	325.49	4,398.0	68.6	-47.2	-42.2	0.00	0.00	0.00
4,500.0	2.80	325.49	4,497.9	72.6	-49.9	-44.7	0.00	0.00	0.00
4,600.0	2.80	325.49	4,597.8	76.6	-52.7	-47.1	0.00	0.00	0.00
4,700.0	2.80	325.49	4,697.6	80.6	-55.4	-49.6	0.00	0.00	0.00
4,800.0	2.80	325.49	4,797.5	84.7	-58.2	-52.1	0.00	0.00	0.00
4,900.0	2.80	325.49	4,897.4	88.7	-61.0	-54.5	0.00	0.00	0.00
5,000.0	2.80	325.49	4,997.3	92.7	-63.7	-57.0	0.00	0.00	0.00
5,100.0	2.80	325.49	5,097.2	96.7	-66.5	-59.5	0.00	0.00	0.00



Database:	Stryker_EDM	Local Co-ordinate Reference:	Well Zeppelin 32 W2LI State Com 2H
Company:	Mewbourne Oil Company	TVD Reference:	3105 + 27 @ 3132.0usft (Patterson 245)
Project:	Eddy County, N.M. Nad (83)	MD Reference:	3105 + 27 @ 3132.0usft (Patterson 245)
Site:	Section 32-23S-28E Zeppelin 32 W2LI St Com 2H	North Reference:	Grid
Well:	Zeppelin 32 W2LI State Com 2H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Hole		
Design:	Plan#1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
5,200.0	2.80	325.49	5,197.1	100.7	-69.3	-62.0	0.00	0.00	0.00
5,300.0	2.80	325.49	5,296.9	104.8	-72.0	-64.4	0.00	0.00	0.00
5,400.0	2.80	325.49	5,396.8	108.8	-74.8	-66.9	0.00	0.00	0.00
5,500.0	2.80	325.49	5,496.7	112.8	-77.5	-69.4	0.00	0.00	0.00
5,600.0	2.80	325.49	5,596.6	116.8	-80.3	-71.8	0.00	0.00	0.00
5,700.0	2.80	325.49	5,696.5	120.8	-83.1	-74.3	0.00	0.00	0.00
5,800.0	2.80	325.49	5,796.3	124.8	-85.8	-76.8	0.00	0.00	0.00
5,900.0	2.80	325.49	5,896.2	128.9	-88.6	-79.3	0.00	0.00	0.00
6,000.0	2.80	325.49	5,996.1	132.9	-91.4	-81.7	0.00	0.00	0.00
6,100.0	2.80	325.49	6,096.0	136.9	-94.1	-84.2	0.00	0.00	0.00
6,200.0	2.80	325.49	6,195.9	140.9	-96.9	-86.7	0.00	0.00	0.00
6,300.0	2.80	325.49	6,295.7	144.9	-99.6	-89.1	0.00	0.00	0.00
6,400.0	2.80	325.49	6,395.6	149.0	-102.4	-91.6	0.00	0.00	0.00
6,500.0	2.80	325.49	6,495.5	153.0	-105.2	-94.1	0.00	0.00	0.00
6,600.0	2.80	325.49	6,595.4	157.0	-107.9	-96.6	0.00	0.00	0.00
6,700.0	2.80	325.49	6,695.3	161.0	-110.7	-99.0	0.00	0.00	0.00
6,800.0	2.80	325.49	6,795.2	165.0	-113.5	-101.5	0.00	0.00	0.00
6,900.0	2.80	325.49	6,895.0	169.1	-116.2	-104.0	0.00	0.00	0.00
7,000.0	2.80	325.49	6,994.9	173.1	-119.0	-106.4	0.00	0.00	0.00
7,100.0	2.80	325.49	7,094.8	177.1	-121.7	-108.9	0.00	0.00	0.00
7,200.0	2.80	325.49	7,194.7	181.1	-124.5	-111.4	0.00	0.00	0.00
7,300.0	2.80	325.49	7,294.6	185.1	-127.3	-113.9	0.00	0.00	0.00
7,400.0	2.80	325.49	7,394.4	189.1	-130.0	-116.3	0.00	0.00	0.00
7,500.0	2.80	325.49	7,494.3	193.2	-132.8	-118.8	0.00	0.00	0.00
7,600.0	2.80	325.49	7,594.2	197.2	-135.6	-121.3	0.00	0.00	0.00
7,700.0	2.80	325.49	7,694.1	201.2	-138.3	-123.7	0.00	0.00	0.00
7,800.0	2.80	325.49	7,794.0	205.2	-141.1	-126.2	0.00	0.00	0.00
7,900.0	2.80	325.49	7,893.8	209.2	-143.9	-128.7	0.00	0.00	0.00
8,000.0	2.80	325.49	7,993.7	213.3	-146.6	-131.2	0.00	0.00	0.00
8,100.0	2.80	325.49	8,093.6	217.3	-149.4	-133.6	0.00	0.00	0.00
8,200.0	2.80	325.49	8,193.5	221.3	-152.1	-136.1	0.00	0.00	0.00
8,300.0	2.80	325.49	8,293.4	225.3	-154.9	-138.6	0.00	0.00	0.00
8,400.0	2.80	325.49	8,393.2	229.3	-157.7	-141.0	0.00	0.00	0.00
8,500.0	2.80	325.49	8,493.1	233.3	-160.4	-143.5	0.00	0.00	0.00
8,600.0	2.80	325.49	8,593.0	237.4	-163.2	-146.0	0.00	0.00	0.00
8,700.0	2.80	325.49	8,692.9	241.4	-166.0	-148.5	0.00	0.00	0.00
8,800.0	2.80	325.49	8,792.8	245.4	-168.7	-150.9	0.00	0.00	0.00
8,900.0	2.80	325.49	8,892.7	249.4	-171.5	-153.4	0.00	0.00	0.00
9,000.0	2.80	325.49	8,992.5	253.4	-174.2	-155.9	0.00	0.00	0.00
9,100.0	2.80	325.49	9,092.4	257.5	-177.0	-158.3	0.00	0.00	0.00
9,200.0	2.80	325.49	9,192.3	261.5	-179.8	-160.8	0.00	0.00	0.00
9,300.0	2.80	325.49	9,292.2	265.5	-182.5	-163.3	0.00	0.00	0.00
9,400.0	2.80	325.49	9,392.1	269.5	-185.3	-165.8	0.00	0.00	0.00
9,500.0	2.80	325.49	9,491.9	273.5	-188.1	-168.2	0.00	0.00	0.00
9,571.9	2.80	325.49	9,563.7	276.4	-190.0	-170.0	0.00	0.00	0.00
9,600.0	2.37	325.49	9,591.8	277.5	-190.8	-170.7	1.50	-1.50	0.00
9,700.0	0.87	325.49	9,691.8	279.8	-192.4	-172.1	1.50	-1.50	0.00
9,758.2	0.00	0.00	9,750.0	280.2	-192.6	-172.3	1.50	-1.50	59.27
<b>B.B. Zeppelin 32 W2LI st Com 2H</b>									
9,800.0	0.00	0.00	9,791.8	280.2	-192.6	-172.3	0.00	0.00	0.00
9,860.5	0.00	0.00	9,852.3	280.2	-192.6	-172.3	0.00	0.00	0.00
9,900.0	3.95	85.88	9,891.7	280.3	-191.3	-171.0	10.00	10.00	0.00
9,950.0	8.95	85.88	9,941.4	280.7	-185.7	-165.3	10.00	10.00	0.00



<b>Database:</b>	Stryker_EDM	<b>Local Co-ordinate Reference:</b>	Well Zeppelin 32 W2LI State Com 2H
<b>Company:</b>	Mewbourne Oil Company	<b>TVD Reference:</b>	3105 + 27 @ 3132.0usft (Patterson 245)
<b>Project:</b>	Eddy County, N.M. Nad (83)	<b>MD Reference:</b>	3105 + 27 @ 3132.0usft (Patterson 245)
<b>Site:</b>	Section 32-23S-28E Zeppelin 32 W2LI St Com 2H	<b>North Reference:</b>	Grid
<b>Well:</b>	Zeppelin 32 W2LI State Com 2H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Original Hole		
<b>Design:</b>	Plan#1		

## Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
10,000.0	13.95	85.88	9,990.4	281.4	-175.8	-155.4	10.00	10.00	0.00
10,050.0	18.95	85.88	10,038.3	282.4	-161.6	-141.3	10.00	10.00	0.00
10,100.0	23.95	85.88	10,084.9	283.7	-143.4	-123.0	10.00	10.00	0.00
10,150.0	28.95	85.88	10,129.6	285.3	-121.2	-100.7	10.00	10.00	0.00
10,200.0	33.95	85.88	10,172.3	287.2	-95.2	-74.6	10.00	10.00	0.00
10,250.0	38.95	85.88	10,212.5	289.3	-65.6	-44.9	10.00	10.00	0.00
10,300.0	43.95	85.88	10,249.9	291.7	-32.6	-11.9	10.00	10.00	0.00
10,350.0	48.95	85.88	10,284.4	294.3	3.6	24.4	10.00	10.00	0.00
10,400.0	53.95	85.88	10,315.5	297.1	42.6	63.5	10.00	10.00	0.00
10,450.0	58.95	85.88	10,343.1	300.1	84.1	105.1	10.00	10.00	0.00
10,500.0	63.95	85.88	10,367.0	303.3	127.9	149.0	10.00	10.00	0.00
10,550.0	68.95	85.88	10,387.0	306.5	173.6	194.8	10.00	10.00	0.00
10,600.0	73.95	85.88	10,402.9	309.9	220.9	242.2	10.00	10.00	0.00
10,650.0	78.95	85.88	10,414.6	313.4	269.3	290.8	10.00	10.00	0.00
10,700.0	83.95	85.88	10,422.0	317.0	318.6	340.3	10.00	10.00	0.00
10,745.3	88.48	85.88	10,425.0	320.2	363.7	385.4	10.00	10.00	0.00
10,800.0	88.48	86.97	10,426.5	323.6	418.3	440.1	2.00	0.00	2.00
10,900.0	88.48	88.98	10,429.1	327.2	518.2	540.0	2.00	0.00	2.00
10,943.3	88.48	89.84	10,430.3	327.6	561.5	583.2	2.00	0.00	2.00
10,956.6	88.48	89.84	10,430.6	327.7	574.7	596.5	0.00	0.00	0.00
LP Zeppelin 32 W2LI St Com 2H									
11,000.0	88.48	89.84	10,431.8	327.8	618.1	639.8	0.00	0.00	0.00
11,100.0	88.48	89.84	10,434.4	328.1	718.1	739.5	0.00	0.00	0.00
11,200.0	88.48	89.84	10,437.1	328.3	818.1	839.2	0.00	0.00	0.00
11,300.0	88.48	89.84	10,439.7	328.6	918.0	939.0	0.00	0.00	0.00
11,400.0	88.48	89.84	10,442.4	328.9	1,018.0	1,038.7	0.00	0.00	0.00
11,500.0	88.48	89.84	10,445.0	329.2	1,118.0	1,138.4	0.00	0.00	0.00
11,600.0	88.48	89.84	10,447.6	329.4	1,217.9	1,238.2	0.00	0.00	0.00
11,700.0	88.48	89.84	10,450.3	329.7	1,317.9	1,337.9	0.00	0.00	0.00
11,800.0	88.48	89.84	10,452.9	330.0	1,417.9	1,437.6	0.00	0.00	0.00
11,900.0	88.48	89.84	10,455.6	330.3	1,517.8	1,537.4	0.00	0.00	0.00
12,000.0	88.48	89.84	10,458.2	330.5	1,617.8	1,637.1	0.00	0.00	0.00
12,100.0	88.48	89.84	10,460.9	330.8	1,717.7	1,736.8	0.00	0.00	0.00
12,200.0	88.48	89.84	10,463.5	331.1	1,817.7	1,836.6	0.00	0.00	0.00
12,300.0	88.48	89.84	10,466.2	331.4	1,917.7	1,936.3	0.00	0.00	0.00
12,400.0	88.48	89.84	10,468.8	331.6	2,017.6	2,036.0	0.00	0.00	0.00
12,500.0	88.48	89.84	10,471.4	331.9	2,117.6	2,135.8	0.00	0.00	0.00
12,600.0	88.48	89.84	10,474.1	332.2	2,217.6	2,235.5	0.00	0.00	0.00
12,700.0	88.48	89.84	10,476.7	332.5	2,317.5	2,335.2	0.00	0.00	0.00
12,800.0	88.48	89.84	10,479.4	332.8	2,417.5	2,435.0	0.00	0.00	0.00
12,900.0	88.48	89.84	10,482.0	333.0	2,517.5	2,534.7	0.00	0.00	0.00
13,000.0	88.48	89.84	10,484.7	333.3	2,617.4	2,634.4	0.00	0.00	0.00
13,100.0	88.48	89.84	10,487.3	333.6	2,717.4	2,734.2	0.00	0.00	0.00
13,200.0	88.48	89.84	10,490.0	333.9	2,817.4	2,833.9	0.00	0.00	0.00
13,300.0	88.48	89.84	10,492.6	334.1	2,917.3	2,933.7	0.00	0.00	0.00
13,400.0	88.48	89.84	10,495.2	334.4	3,017.3	3,033.4	0.00	0.00	0.00
13,500.0	88.48	89.84	10,497.9	334.7	3,117.3	3,133.1	0.00	0.00	0.00
13,600.0	88.48	89.84	10,500.5	335.0	3,217.2	3,232.9	0.00	0.00	0.00
13,700.0	88.48	89.84	10,503.2	335.2	3,317.2	3,332.6	0.00	0.00	0.00
13,800.0	88.48	89.84	10,505.8	335.5	3,417.1	3,432.3	0.00	0.00	0.00
13,900.0	88.48	89.84	10,508.5	335.8	3,517.1	3,532.1	0.00	0.00	0.00
14,000.0	88.48	89.84	10,511.1	336.1	3,617.1	3,631.8	0.00	0.00	0.00



Database:	Stryker_EDM	Local Co-ordinate Reference:	Well Zeppelin 32 W2LI State Com 2H
Company:	Mewbourne Oil Company	TVD Reference:	3105 + 27 @ 3132.0usft (Patterson 245)
Project:	Eddy County, N.M. Nad (83)	MD Reference:	3105 + 27 @ 3132.0usft (Patterson 245)
Site:	Section 32-23S-28E Zeppelin 32 W2LI St Com 2H	North Reference:	Grid
Well:	Zeppelin 32 W2LI State Com 2H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Hole		
Design:	Plan#1		

## Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
14,100.0	88.48	89.84	10,513.8	336.3	3,717.0	3,731.5	0.00	0.00	0.00
14,200.0	88.48	89.84	10,516.4	336.6	3,817.0	3,831.3	0.00	0.00	0.00
14,300.0	88.48	89.84	10,519.0	336.9	3,917.0	3,931.0	0.00	0.00	0.00
14,400.0	88.48	89.84	10,521.7	337.2	4,016.9	4,030.7	0.00	0.00	0.00
14,500.0	88.48	89.84	10,524.3	337.5	4,116.9	4,130.5	0.00	0.00	0.00
14,600.0	88.48	89.84	10,527.0	337.7	4,216.9	4,230.2	0.00	0.00	0.00
14,700.0	88.48	89.84	10,529.6	338.0	4,316.8	4,329.9	0.00	0.00	0.00
14,800.0	88.48	89.84	10,532.3	338.3	4,416.8	4,429.7	0.00	0.00	0.00
14,900.0	88.48	89.84	10,534.9	338.6	4,516.8	4,529.4	0.00	0.00	0.00
15,000.0	88.48	89.84	10,537.6	338.8	4,616.7	4,629.1	0.00	0.00	0.00
15,100.0	88.48	89.84	10,540.2	339.1	4,716.7	4,728.9	0.00	0.00	0.00
15,168.1	88.48	89.84	10,542.0	339.3	4,784.8	4,796.8	0.00	0.00	0.00
PBHL Zeppelin 32 W2LI St Coim 2H									

## Design Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
- hit/miss target									
- Shape									
B.B. Zeppelin 32 W2L	0.00	0.00	9,750.0	280.2	-192.6	458,551.16	607,855.29	32° 15' 37.616 N	104° 7' 5.309 W
- plan hits target center									
- Point									
LP Zeppelin 32 W2LI	0.00	0.00	10,425.0	331.7	574.9	458,602.72	608,622.75	32° 15' 38.111 N	104° 6' 56.369 W
- plan misses target center by 6.9usft at 10956.6usft MD (10430.6 TVD, 327.7 N, 574.7 E)									
- Point									
PBHL Zeppelin 32 W2	0.00	0.00	10,542.0	339.3	4,784.8	458,610.30	612,832.70	32° 15' 38.099 N	104° 6' 7.339 W
- plan hits target center									
- Point									





# **Mewbourne Oil Company**

**Eddy County, N.M. Nad (83)**

**Section 32-23S-28E Zeppelin 32 W2LI St Com 2H**

**Zeppelin 32 W2LI State Com 2H**

**Original Hole**

**Plan: Plan#1**

## **Standard Planning Report - Geographic**

**05 January, 2018**





<b>Database:</b>	Stryker_EDM	<b>Local Co-ordinate Reference:</b>	Well Zeppelin 32 W2LI State Com 2H
<b>Company:</b>	Mewbourne Oil Company	<b>TVD Reference:</b>	3105 + 27 @ 3132.0usft (Patterson 245)
<b>Project:</b>	Eddy County, N.M. Nad (83)	<b>MD Reference:</b>	3105 + 27 @ 3132.0usft (Patterson 245)
<b>Site:</b>	Section 32-23S-28E Zeppelin 32 W2LI St Com 2H	<b>North Reference:</b>	Grid
<b>Well:</b>	Zeppelin 32 W2LI State Com 2H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Original Hole		
<b>Design:</b>	Plan#1		

<b>Project</b>	Eddy County, N.M. Nad (83)		
<b>Map System:</b>	US State Plane 1983	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	North American Datum 1983		
<b>Map Zone:</b>	New Mexico Eastern Zone		

<b>Site</b>	Section 32-23S-28E Zeppelin 32 W2LI St Com 2H		
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<b>Site Position:</b>		<b>Northing:</b>	458,271.00 usft	<b>Latitude:</b>	32° 15' 34.840 N
<b>From:</b>	Map	<b>Easting:</b>	608,047.90 usft	<b>Longitude:</b>	104° 7' 3.072 W
<b>Position Uncertainty:</b>	0.0 usft	<b>Slot Radius:</b>	13-3/16 "	<b>Grid Convergence:</b>	0.12 °

<b>Well</b>	Zeppelin 32 W2LI State Com 2H		
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<b>Well Position</b>	<b>+N/-S</b>	0.0 usft	<b>Northing:</b>	458,271.00 usft	<b>Latitude:</b>	32° 15' 34.840 N
	<b>+E/-W</b>	0.0 usft	<b>Easting:</b>	608,047.90 usft	<b>Longitude:</b>	104° 7' 3.072 W
<b>Position Uncertainty</b>		0.0 usft	<b>Wellhead Elevation:</b>	27.0 usft	<b>Ground Level:</b>	3,105.0 usft

<b>Wellbore</b>	Original Hole		
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Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	1/4/2018	7.15	60.00	47,846.53654643

<b>Design</b>	Plan#1		
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<b>Audit Notes:</b>					
<b>Version:</b>		<b>Phase:</b>	PLAN	<b>Tie On Depth:</b>	0.0

Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	85.94

<b>Plan Sections</b>										
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Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,600.0	0.00	0.00	2,600.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,786.3	2.80	325.49	2,786.3	3.7	-2.6	1.50	1.50	0.00	325.49	
9,571.9	2.80	325.49	9,563.7	276.4	-190.0	0.00	0.00	0.00	0.00	
9,758.2	0.00	0.00	9,750.0	280.2	-192.6	1.50	-1.50	0.00	180.00	B.B. Zeppelin 32 W
9,860.5	0.00	0.00	9,852.3	280.2	-192.6	0.00	0.00	0.00	0.00	
10,745.3	88.48	85.88	10,425.0	320.2	363.7	10.00	10.00	0.00	85.88	
10,943.3	88.48	89.84	10,430.3	327.6	561.5	2.00	0.00	2.00	89.98	
15,168.1	88.48	89.84	10,542.0	339.3	4,784.8	0.00	0.00	0.00	0.00	PBHL Zeppelin 32 W



<b>Database:</b>	Stryker_EDM	<b>Local Co-ordinate Reference:</b>	Well Zeppelin 32 W2LI State Com 2H
<b>Company:</b>	Mewbourne Oil Company	<b>TVD Reference:</b>	3105 + 27 @ 3132.0usft (Patterson 245)
<b>Project:</b>	Eddy County, N.M. Nad (83)	<b>MD Reference:</b>	3105 + 27 @ 3132.0usft (Patterson 245)
<b>Site:</b>	Section 32-23S-28E Zeppelin 32 W2LI St Com 2H	<b>North Reference:</b>	Grid
<b>Well:</b>	Zeppelin 32 W2LI State Com 2H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Original Hole		
<b>Design:</b>	Plan#1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
0.0	0.00	0.00	0.0	0.0	0.0	458,271.00	608,047.90	32° 15' 34.840 N	104° 7' 3.072 W
100.0	0.00	0.00	100.0	0.0	0.0	458,271.00	608,047.90	32° 15' 34.840 N	104° 7' 3.072 W
200.0	0.00	0.00	200.0	0.0	0.0	458,271.00	608,047.90	32° 15' 34.840 N	104° 7' 3.072 W
300.0	0.00	0.00	300.0	0.0	0.0	458,271.00	608,047.90	32° 15' 34.840 N	104° 7' 3.072 W
400.0	0.00	0.00	400.0	0.0	0.0	458,271.00	608,047.90	32° 15' 34.840 N	104° 7' 3.072 W
500.0	0.00	0.00	500.0	0.0	0.0	458,271.00	608,047.90	32° 15' 34.840 N	104° 7' 3.072 W
600.0	0.00	0.00	600.0	0.0	0.0	458,271.00	608,047.90	32° 15' 34.840 N	104° 7' 3.072 W
700.0	0.00	0.00	700.0	0.0	0.0	458,271.00	608,047.90	32° 15' 34.840 N	104° 7' 3.072 W
800.0	0.00	0.00	800.0	0.0	0.0	458,271.00	608,047.90	32° 15' 34.840 N	104° 7' 3.072 W
900.0	0.00	0.00	900.0	0.0	0.0	458,271.00	608,047.90	32° 15' 34.840 N	104° 7' 3.072 W
1,000.0	0.00	0.00	1,000.0	0.0	0.0	458,271.00	608,047.90	32° 15' 34.840 N	104° 7' 3.072 W
1,100.0	0.00	0.00	1,100.0	0.0	0.0	458,271.00	608,047.90	32° 15' 34.840 N	104° 7' 3.072 W
1,200.0	0.00	0.00	1,200.0	0.0	0.0	458,271.00	608,047.90	32° 15' 34.840 N	104° 7' 3.072 W
1,300.0	0.00	0.00	1,300.0	0.0	0.0	458,271.00	608,047.90	32° 15' 34.840 N	104° 7' 3.072 W
1,400.0	0.00	0.00	1,400.0	0.0	0.0	458,271.00	608,047.90	32° 15' 34.840 N	104° 7' 3.072 W
1,500.0	0.00	0.00	1,500.0	0.0	0.0	458,271.00	608,047.90	32° 15' 34.840 N	104° 7' 3.072 W
1,600.0	0.00	0.00	1,600.0	0.0	0.0	458,271.00	608,047.90	32° 15' 34.840 N	104° 7' 3.072 W
1,700.0	0.00	0.00	1,700.0	0.0	0.0	458,271.00	608,047.90	32° 15' 34.840 N	104° 7' 3.072 W
1,800.0	0.00	0.00	1,800.0	0.0	0.0	458,271.00	608,047.90	32° 15' 34.840 N	104° 7' 3.072 W
1,900.0	0.00	0.00	1,900.0	0.0	0.0	458,271.00	608,047.90	32° 15' 34.840 N	104° 7' 3.072 W
2,000.0	0.00	0.00	2,000.0	0.0	0.0	458,271.00	608,047.90	32° 15' 34.840 N	104° 7' 3.072 W
2,100.0	0.00	0.00	2,100.0	0.0	0.0	458,271.00	608,047.90	32° 15' 34.840 N	104° 7' 3.072 W
2,200.0	0.00	0.00	2,200.0	0.0	0.0	458,271.00	608,047.90	32° 15' 34.840 N	104° 7' 3.072 W
2,300.0	0.00	0.00	2,300.0	0.0	0.0	458,271.00	608,047.90	32° 15' 34.840 N	104° 7' 3.072 W
2,400.0	0.00	0.00	2,400.0	0.0	0.0	458,271.00	608,047.90	32° 15' 34.840 N	104° 7' 3.072 W
2,500.0	0.00	0.00	2,500.0	0.0	0.0	458,271.00	608,047.90	32° 15' 34.840 N	104° 7' 3.072 W
2,600.0	0.00	0.00	2,600.0	0.0	0.0	458,271.00	608,047.90	32° 15' 34.840 N	104° 7' 3.072 W
2,700.0	1.50	325.49	2,700.0	1.1	-0.7	458,272.08	608,047.16	32° 15' 34.851 N	104° 7' 3.080 W
2,786.3	2.80	325.49	2,786.3	3.7	-2.6	458,274.75	608,045.33	32° 15' 34.877 N	104° 7' 3.102 W
2,800.0	2.80	325.49	2,799.9	4.3	-3.0	458,275.29	608,044.95	32° 15' 34.882 N	104° 7' 3.106 W
2,900.0	2.80	325.49	2,899.8	8.3	-5.7	458,279.31	608,042.19	32° 15' 34.922 N	104° 7' 3.138 W
3,000.0	2.80	325.49	2,999.7	12.3	-8.5	458,283.33	608,039.43	32° 15' 34.962 N	104° 7' 3.170 W
3,100.0	2.80	325.49	3,099.6	16.3	-11.2	458,287.35	608,036.66	32° 15' 35.002 N	104° 7' 3.202 W
3,200.0	2.80	325.49	3,199.4	20.4	-14.0	458,291.37	608,033.90	32° 15' 35.042 N	104° 7' 3.234 W
3,300.0	2.80	325.49	3,299.3	24.4	-16.8	458,295.39	608,031.14	32° 15' 35.082 N	104° 7' 3.267 W
3,400.0	2.80	325.49	3,399.2	28.4	-19.5	458,299.40	608,028.38	32° 15' 35.121 N	104° 7' 3.299 W
3,500.0	2.80	325.49	3,499.1	32.4	-22.3	458,303.42	608,025.61	32° 15' 35.161 N	104° 7' 3.331 W
3,600.0	2.80	325.49	3,599.0	36.4	-25.1	458,307.44	608,022.85	32° 15' 35.201 N	104° 7' 3.363 W
3,700.0	2.80	325.49	3,698.8	40.5	-27.8	458,311.46	608,020.09	32° 15' 35.241 N	104° 7' 3.395 W
3,800.0	2.80	325.49	3,798.7	44.5	-30.6	458,315.48	608,017.32	32° 15' 35.281 N	104° 7' 3.427 W
3,900.0	2.80	325.49	3,898.6	48.5	-33.3	458,319.50	608,014.56	32° 15' 35.320 N	104° 7' 3.459 W
4,000.0	2.80	325.49	3,998.5	52.5	-36.1	458,323.52	608,011.80	32° 15' 35.360 N	104° 7' 3.491 W
4,100.0	2.80	325.49	4,098.4	56.5	-38.9	458,327.53	608,009.04	32° 15' 35.400 N	104° 7' 3.523 W
4,200.0	2.80	325.49	4,198.2	60.6	-41.6	458,331.55	608,006.27	32° 15' 35.440 N	104° 7' 3.555 W
4,300.0	2.80	325.49	4,298.1	64.6	-44.4	458,335.57	608,003.51	32° 15' 35.480 N	104° 7' 3.587 W
4,400.0	2.80	325.49	4,398.0	68.6	-47.2	458,339.59	608,000.75	32° 15' 35.520 N	104° 7' 3.619 W
4,500.0	2.80	325.49	4,497.9	72.6	-49.9	458,343.61	607,997.99	32° 15' 35.559 N	104° 7' 3.652 W
4,600.0	2.80	325.49	4,597.8	76.6	-52.7	458,347.63	607,995.22	32° 15' 35.599 N	104° 7' 3.684 W
4,700.0	2.80	325.49	4,697.6	80.6	-55.4	458,351.64	607,992.46	32° 15' 35.639 N	104° 7' 3.716 W
4,800.0	2.80	325.49	4,797.5	84.7	-58.2	458,355.66	607,989.70	32° 15' 35.679 N	104° 7' 3.748 W
4,900.0	2.80	325.49	4,897.4	88.7	-61.0	458,359.68	607,986.93	32° 15' 35.719 N	104° 7' 3.780 W
5,000.0	2.80	325.49	4,997.3	92.7	-63.7	458,363.70	607,984.17	32° 15' 35.758 N	104° 7' 3.812 W
5,100.0	2.80	325.49	5,097.2	96.7	-66.5	458,367.72	607,981.41	32° 15' 35.798 N	104° 7' 3.844 W
5,200.0	2.80	325.49	5,197.1	100.7	-69.3	458,371.74	607,978.65	32° 15' 35.838 N	104° 7' 3.876 W



<b>Database:</b>	Stryker_EDM	<b>Local Co-ordinate Reference:</b>	Well Zeppelin 32 W2LI State Com 2H
<b>Company:</b>	Mewbourne Oil Company	<b>TVD Reference:</b>	3105 + 27 @ 3132.0usft (Patterson 245)
<b>Project:</b>	Eddy County, N.M. Nad (83)	<b>MD Reference:</b>	3105 + 27 @ 3132.0usft (Patterson 245)
<b>Site:</b>	Section 32-23S-28E Zeppelin 32 W2LI St Com 2H	<b>North Reference:</b>	Grid
<b>Well:</b>	Zeppelin 32 W2LI State Com 2H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Original Hole		
<b>Design:</b>	Plan#1		

**Planned Survey**

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
5,300.0	2.80	325.49	5,296.9	104.8	-72.0	458,375.76	607,975.88	32° 15' 35.878 N	104° 7' 3.908 W
5,400.0	2.80	325.49	5,396.8	108.8	-74.8	458,379.77	607,973.12	32° 15' 35.918 N	104° 7' 3.940 W
5,500.0	2.80	325.49	5,496.7	112.8	-77.5	458,383.79	607,970.36	32° 15' 35.958 N	104° 7' 3.972 W
5,600.0	2.80	325.49	5,596.6	116.8	-80.3	458,387.81	607,967.60	32° 15' 35.997 N	104° 7' 4.004 W
5,700.0	2.80	325.49	5,696.5	120.8	-83.1	458,391.83	607,964.83	32° 15' 36.037 N	104° 7' 4.037 W
5,800.0	2.80	325.49	5,796.3	124.8	-85.8	458,395.85	607,962.07	32° 15' 36.077 N	104° 7' 4.069 W
5,900.0	2.80	325.49	5,896.2	128.9	-88.6	458,399.87	607,959.31	32° 15' 36.117 N	104° 7' 4.101 W
6,000.0	2.80	325.49	5,996.1	132.9	-91.4	458,403.88	607,956.54	32° 15' 36.157 N	104° 7' 4.133 W
6,100.0	2.80	325.49	6,096.0	136.9	-94.1	458,407.90	607,953.78	32° 15' 36.197 N	104° 7' 4.165 W
6,200.0	2.80	325.49	6,195.9	140.9	-96.9	458,411.92	607,951.02	32° 15' 36.236 N	104° 7' 4.197 W
6,300.0	2.80	325.49	6,295.7	144.9	-99.6	458,415.94	607,948.26	32° 15' 36.276 N	104° 7' 4.229 W
6,400.0	2.80	325.49	6,395.6	149.0	-102.4	458,419.96	607,945.49	32° 15' 36.316 N	104° 7' 4.261 W
6,500.0	2.80	325.49	6,495.5	153.0	-105.2	458,423.98	607,942.73	32° 15' 36.356 N	104° 7' 4.293 W
6,600.0	2.80	325.49	6,595.4	157.0	-107.9	458,428.00	607,939.97	32° 15' 36.396 N	104° 7' 4.325 W
6,700.0	2.80	325.49	6,695.3	161.0	-110.7	458,432.01	607,937.21	32° 15' 36.435 N	104° 7' 4.357 W
6,800.0	2.80	325.49	6,795.2	165.0	-113.5	458,436.03	607,934.44	32° 15' 36.475 N	104° 7' 4.389 W
6,900.0	2.80	325.49	6,895.0	169.1	-116.2	458,440.05	607,931.68	32° 15' 36.515 N	104° 7' 4.421 W
7,000.0	2.80	325.49	6,994.9	173.1	-119.0	458,444.07	607,928.92	32° 15' 36.555 N	104° 7' 4.454 W
7,100.0	2.80	325.49	7,094.8	177.1	-121.7	458,448.09	607,926.15	32° 15' 36.595 N	104° 7' 4.486 W
7,200.0	2.80	325.49	7,194.7	181.1	-124.5	458,452.11	607,923.39	32° 15' 36.635 N	104° 7' 4.518 W
7,300.0	2.80	325.49	7,294.6	185.1	-127.3	458,456.12	607,920.63	32° 15' 36.674 N	104° 7' 4.550 W
7,400.0	2.80	325.49	7,394.4	189.1	-130.0	458,460.14	607,917.87	32° 15' 36.714 N	104° 7' 4.582 W
7,500.0	2.80	325.49	7,494.3	193.2	-132.8	458,464.16	607,915.10	32° 15' 36.754 N	104° 7' 4.614 W
7,600.0	2.80	325.49	7,594.2	197.2	-135.6	458,468.18	607,912.34	32° 15' 36.794 N	104° 7' 4.646 W
7,700.0	2.80	325.49	7,694.1	201.2	-138.3	458,472.20	607,909.58	32° 15' 36.834 N	104° 7' 4.678 W
7,800.0	2.80	325.49	7,794.0	205.2	-141.1	458,476.22	607,906.82	32° 15' 36.873 N	104° 7' 4.710 W
7,900.0	2.80	325.49	7,893.8	209.2	-143.9	458,480.24	607,904.05	32° 15' 36.913 N	104° 7' 4.742 W
8,000.0	2.80	325.49	7,993.7	213.3	-146.6	458,484.25	607,901.29	32° 15' 36.953 N	104° 7' 4.774 W
8,100.0	2.80	325.49	8,093.6	217.3	-149.4	458,488.27	607,898.53	32° 15' 36.993 N	104° 7' 4.806 W
8,200.0	2.80	325.49	8,193.5	221.3	-152.1	458,492.29	607,895.76	32° 15' 37.033 N	104° 7' 4.839 W
8,300.0	2.80	325.49	8,293.4	225.3	-154.9	458,496.31	607,893.00	32° 15' 37.073 N	104° 7' 4.871 W
8,400.0	2.80	325.49	8,393.2	229.3	-157.7	458,500.33	607,890.24	32° 15' 37.112 N	104° 7' 4.903 W
8,500.0	2.80	325.49	8,493.1	233.3	-160.4	458,504.35	607,887.48	32° 15' 37.152 N	104° 7' 4.935 W
8,600.0	2.80	325.49	8,593.0	237.4	-163.2	458,508.36	607,884.71	32° 15' 37.192 N	104° 7' 4.967 W
8,700.0	2.80	325.49	8,692.9	241.4	-166.0	458,512.38	607,881.95	32° 15' 37.232 N	104° 7' 4.999 W
8,800.0	2.80	325.49	8,792.8	245.4	-168.7	458,516.40	607,879.19	32° 15' 37.272 N	104° 7' 5.031 W
8,900.0	2.80	325.49	8,892.7	249.4	-171.5	458,520.42	607,876.43	32° 15' 37.312 N	104° 7' 5.063 W
9,000.0	2.80	325.49	8,992.5	253.4	-174.2	458,524.44	607,873.66	32° 15' 37.351 N	104° 7' 5.095 W
9,100.0	2.80	325.49	9,092.4	257.5	-177.0	458,528.46	607,870.90	32° 15' 37.391 N	104° 7' 5.127 W
9,200.0	2.80	325.49	9,192.3	261.5	-179.8	458,532.48	607,868.14	32° 15' 37.431 N	104° 7' 5.159 W
9,300.0	2.80	325.49	9,292.2	265.5	-182.5	458,536.49	607,865.37	32° 15' 37.471 N	104° 7' 5.191 W
9,400.0	2.80	325.49	9,392.1	269.5	-185.3	458,540.51	607,862.61	32° 15' 37.511 N	104° 7' 5.224 W
9,500.0	2.80	325.49	9,491.9	273.5	-188.1	458,544.53	607,859.85	32° 15' 37.550 N	104° 7' 5.256 W
9,571.9	2.80	325.49	9,563.7	276.4	-190.0	458,547.42	607,857.86	32° 15' 37.579 N	104° 7' 5.279 W
9,600.0	2.37	325.49	9,591.8	277.5	-190.8	458,548.46	607,857.15	32° 15' 37.589 N	104° 7' 5.287 W
9,700.0	0.87	325.49	9,691.8	279.8	-192.4	458,550.80	607,855.54	32° 15' 37.613 N	104° 7' 5.306 W
9,758.2	0.00	0.00	9,750.0	280.2	-192.6	458,551.16	607,855.29	32° 15' 37.616 N	104° 7' 5.309 W
<b>B.B. Zeppelin 32 W2LI st Com 2H</b>									
9,800.0	0.00	0.00	9,791.8	280.2	-192.6	458,551.16	607,855.29	32° 15' 37.616 N	104° 7' 5.309 W
9,860.5	0.00	0.00	9,852.3	280.2	-192.6	458,551.16	607,855.29	32° 15' 37.616 N	104° 7' 5.309 W
9,900.0	3.95	85.88	9,891.7	280.3	-191.3	458,551.26	607,856.65	32° 15' 37.617 N	104° 7' 5.293 W
9,950.0	8.95	85.88	9,941.4	280.7	-185.7	458,551.67	607,862.25	32° 15' 37.621 N	104° 7' 5.228 W
10,000.0	13.95	85.88	9,990.4	281.4	-175.8	458,552.38	607,872.14	32° 15' 37.628 N	104° 7' 5.112 W
10,050.0	18.95	85.88	10,038.3	282.4	-161.6	458,553.40	607,886.26	32° 15' 37.638 N	104° 7' 4.948 W





Microsoft  
Planning Report - Geographic



Database: Stryker\_EDM  
Company: Mewbourne Oil Company  
Project: Eddy County, N.M. Nad (83)  
Site: Section 32-23S-28E Zeppelin 32 W2LI St Com 2H  
Well: Zeppelin 32 W2LI State Com 2H  
Wellbore: Original Hole  
Design: Plan#1

Local Co-ordinate Reference: Well Zeppelin 32 W2LI State Com 2H  
TVD Reference: 3105 + 27 @ 3132.0usft (Patterson 245)  
MD Reference: 3105 + 27 @ 3132.0usft (Patterson 245)  
North Reference: Grid  
Survey Calculation Method: Minimum Curvature

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
10,100.0	23.95	85.88	10,084.9	283.7	-143.4	458,554.71	607,904.49	32° 15' 37.650 N	104° 7' 4.735 W
10,150.0	28.95	85.88	10,129.6	285.3	-121.2	458,556.31	607,926.70	32° 15' 37.666 N	104° 7' 4.477 W
10,200.0	33.95	85.88	10,172.3	287.2	-95.2	458,558.18	607,952.71	32° 15' 37.684 N	104° 7' 4.174 W
10,250.0	38.95	85.88	10,212.5	289.3	-65.6	458,560.32	607,982.33	32° 15' 37.704 N	104° 7' 3.829 W
10,300.0	43.95	85.88	10,249.9	291.7	-32.6	458,562.69	608,015.33	32° 15' 37.727 N	104° 7' 3.444 W
10,350.0	48.95	85.88	10,284.4	294.3	3.6	458,565.30	608,051.47	32° 15' 37.752 N	104° 7' 3.023 W
10,400.0	53.95	85.88	10,315.5	297.1	42.6	458,568.10	608,090.46	32° 15' 37.779 N	104° 7' 2.569 W
10,450.0	58.95	85.88	10,343.1	300.1	84.1	458,571.10	608,132.01	32° 15' 37.808 N	104° 7' 2.085 W
10,500.0	63.95	85.88	10,367.0	303.3	127.9	458,574.25	608,175.80	32° 15' 37.838 N	104° 7' 1.575 W
10,550.0	68.95	85.88	10,387.0	306.5	173.6	458,577.54	608,221.50	32° 15' 37.870 N	104° 7' 1.043 W
10,600.0	73.95	85.88	10,402.9	309.9	220.9	458,580.95	608,268.77	32° 15' 37.903 N	104° 7' 0.492 W
10,650.0	78.95	85.88	10,414.6	313.4	269.3	458,584.44	608,317.23	32° 15' 37.936 N	104° 6' 59.928 W
10,700.0	83.95	85.88	10,422.0	317.0	318.6	458,587.99	608,366.53	32° 15' 37.970 N	104° 6' 59.354 W
10,745.3	88.48	85.88	10,425.0	320.2	363.7	458,591.24	608,411.61	32° 15' 38.002 N	104° 6' 58.829 W
10,800.0	88.48	86.97	10,426.5	323.6	418.3	458,594.64	608,466.18	32° 15' 38.034 N	104° 6' 58.193 W
10,900.0	88.48	88.98	10,429.1	327.2	518.2	458,598.18	608,566.08	32° 15' 38.067 N	104° 6' 57.029 W
10,943.3	88.48	89.84	10,430.3	327.6	561.5	458,598.62	608,609.37	32° 15' 38.071 N	104° 6' 56.525 W
10,956.6	88.48	89.84	10,430.6	327.7	574.7	458,598.66	608,622.62	32° 15' 38.071 N	104° 6' 56.371 W
LP Zeppelin 32 W2LI St Com 2H									
11,000.0	88.48	89.84	10,431.8	327.8	618.1	458,598.78	608,666.04	32° 15' 38.071 N	104° 6' 55.865 W
11,100.0	88.48	89.84	10,434.4	328.1	718.1	458,599.06	608,766.00	32° 15' 38.072 N	104° 6' 54.701 W
11,200.0	88.48	89.84	10,437.1	328.3	818.1	458,599.33	608,865.97	32° 15' 38.073 N	104° 6' 53.537 W
11,300.0	88.48	89.84	10,439.7	328.6	918.0	458,599.61	608,965.93	32° 15' 38.073 N	104° 6' 52.373 W
11,400.0	88.48	89.84	10,442.4	328.9	1,018.0	458,599.89	609,065.90	32° 15' 38.074 N	104° 6' 51.208 W
11,500.0	88.48	89.84	10,445.0	329.2	1,118.0	458,600.16	609,165.86	32° 15' 38.075 N	104° 6' 50.044 W
11,600.0	88.48	89.84	10,447.6	329.4	1,217.9	458,600.44	609,265.83	32° 15' 38.076 N	104° 6' 48.880 W
11,700.0	88.48	89.84	10,450.3	329.7	1,317.9	458,600.72	609,365.79	32° 15' 38.076 N	104° 6' 47.716 W
11,800.0	88.48	89.84	10,452.9	330.0	1,417.9	458,600.99	609,465.76	32° 15' 38.077 N	104° 6' 46.551 W
11,900.0	88.48	89.84	10,455.6	330.3	1,517.8	458,601.27	609,565.72	32° 15' 38.078 N	104° 6' 45.387 W
12,000.0	88.48	89.84	10,458.2	330.5	1,617.8	458,601.54	609,665.69	32° 15' 38.078 N	104° 6' 44.223 W
12,100.0	88.48	89.84	10,460.9	330.8	1,717.7	458,601.82	609,765.65	32° 15' 38.079 N	104° 6' 43.059 W
12,200.0	88.48	89.84	10,463.5	331.1	1,817.7	458,602.10	609,865.62	32° 15' 38.080 N	104° 6' 41.894 W
12,300.0	88.48	89.84	10,466.2	331.4	1,917.7	458,602.37	609,965.58	32° 15' 38.080 N	104° 6' 40.730 W
12,400.0	88.48	89.84	10,468.8	331.6	2,017.6	458,602.65	610,065.55	32° 15' 38.081 N	104° 6' 39.566 W
12,500.0	88.48	89.84	10,471.4	331.9	2,117.6	458,602.93	610,165.51	32° 15' 38.082 N	104° 6' 38.402 W
12,600.0	88.48	89.84	10,474.1	332.2	2,217.6	458,603.20	610,265.47	32° 15' 38.082 N	104° 6' 37.238 W
12,700.0	88.48	89.84	10,476.7	332.5	2,317.5	458,603.48	610,365.44	32° 15' 38.083 N	104° 6' 36.073 W
12,800.0	88.48	89.84	10,479.4	332.8	2,417.5	458,603.76	610,465.40	32° 15' 38.084 N	104° 6' 34.909 W
12,900.0	88.48	89.84	10,482.0	333.0	2,517.5	458,604.03	610,565.37	32° 15' 38.084 N	104° 6' 33.745 W
13,000.0	88.48	89.84	10,484.7	333.3	2,617.4	458,604.31	610,665.33	32° 15' 38.085 N	104° 6' 32.581 W
13,100.0	88.48	89.84	10,487.3	333.6	2,717.4	458,604.58	610,765.30	32° 15' 38.086 N	104° 6' 31.416 W
13,200.0	88.48	89.84	10,490.0	333.9	2,817.4	458,604.86	610,865.26	32° 15' 38.086 N	104° 6' 30.252 W
13,300.0	88.48	89.84	10,492.6	334.1	2,917.3	458,605.14	610,965.23	32° 15' 38.087 N	104° 6' 29.088 W
13,400.0	88.48	89.84	10,495.2	334.4	3,017.3	458,605.41	611,065.19	32° 15' 38.088 N	104° 6' 27.924 W
13,500.0	88.48	89.84	10,497.9	334.7	3,117.3	458,605.69	611,165.16	32° 15' 38.088 N	104° 6' 26.760 W
13,600.0	88.48	89.84	10,500.5	335.0	3,217.2	458,605.97	611,265.12	32° 15' 38.089 N	104° 6' 25.595 W
13,700.0	88.48	89.84	10,503.2	335.2	3,317.2	458,606.24	611,365.09	32° 15' 38.090 N	104° 6' 24.431 W
13,800.0	88.48	89.84	10,505.8	335.5	3,417.1	458,606.52	611,465.05	32° 15' 38.090 N	104° 6' 23.267 W
13,900.0	88.48	89.84	10,508.5	335.8	3,517.1	458,606.80	611,565.02	32° 15' 38.091 N	104° 6' 22.103 W
14,000.0	88.48	89.84	10,511.1	336.1	3,617.1	458,607.07	611,664.98	32° 15' 38.092 N	104° 6' 20.938 W
14,100.0	88.48	89.84	10,513.8	336.3	3,717.0	458,607.35	611,764.94	32° 15' 38.092 N	104° 6' 19.774 W
14,200.0	88.48	89.84	10,516.4	336.6	3,817.0	458,607.62	611,864.91	32° 15' 38.093 N	104° 6' 18.610 W
14,300.0	88.48	89.84	10,519.0	336.9	3,917.0	458,607.90	611,964.87	32° 15' 38.094 N	104° 6' 17.446 W
14,400.0	88.48	89.84	10,521.7	337.2	4,016.9	458,608.18	612,064.84	32° 15' 38.094 N	104° 6' 16.281 W



<b>Database:</b>	Stryker_EDM	<b>Local Co-ordinate Reference:</b>	Well Zeppelin 32 W2LI State Com 2H
<b>Company:</b>	Mewbourne Oil Company	<b>TVD Reference:</b>	3105 + 27 @ 3132.0usft (Patterson 245)
<b>Project:</b>	Eddy County, N.M. Nad (83)	<b>MD Reference:</b>	3105 + 27 @ 3132.0usft (Patterson 245)
<b>Site:</b>	Section 32-23S-28E Zeppelin 32 W2LI St Com 2H	<b>North Reference:</b>	Grid
<b>Well:</b>	Zeppelin 32 W2LI State Com 2H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Original Hole		
<b>Design:</b>	Plan#1		

#### Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
14,500.0	88.48	89.84	10,524.3	337.5	4,116.9	458,608.45	612,164.80	32° 15' 38.095 N	104° 6' 15.117 W
14,600.0	88.48	89.84	10,527.0	337.7	4,216.9	458,608.73	612,264.77	32° 15' 38.095 N	104° 6' 13.953 W
14,700.0	88.48	89.84	10,529.6	338.0	4,316.8	458,609.01	612,364.73	32° 15' 38.096 N	104° 6' 12.789 W
14,800.0	88.48	89.84	10,532.3	338.3	4,416.8	458,609.28	612,464.70	32° 15' 38.097 N	104° 6' 11.625 W
14,900.0	88.48	89.84	10,534.9	338.6	4,516.8	458,609.56	612,564.66	32° 15' 38.097 N	104° 6' 10.460 W
15,000.0	88.48	89.84	10,537.6	338.8	4,616.7	458,609.84	612,664.63	32° 15' 38.098 N	104° 6' 9.296 W
15,100.0	88.48	89.84	10,540.2	339.1	4,716.7	458,610.11	612,764.59	32° 15' 38.099 N	104° 6' 8.132 W
15,168.1	88.48	89.84	10,542.0	339.3	4,784.8	458,610.30	612,832.70	32° 15' 38.099 N	104° 6' 7.339 W
PBHL Zeppelin 32 W2LI St Coim 2H									

#### Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
B.B. Zeppelin 32 W2L - plan hits target center - Point	0.00	0.00	9,750.0	280.2	-192.6	458,551.16	607,855.29	32° 15' 37.616 N	104° 7' 5.309 W
LP Zeppelin 32 W2LI - plan misses target center by 6.9usft at 10956.6usft MD (10430.6 TVD, 327.7 N, 574.7 E) - Point	0.00	0.00	10,425.0	331.7	574.9	458,602.72	608,622.75	32° 15' 38.111 N	104° 6' 56.369 W
PBHL Zeppelin 32 W2L - plan hits target center - Point	0.00	0.00	10,542.0	339.3	4,784.8	458,610.30	612,832.70	32° 15' 38.099 N	104° 6' 7.339 W