

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 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

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number		² Pool Code		³ Pool Name	
⁴ Property Code		⁵ Property Name WOLFMAN 5/4 WOLI FEDERAL COM			⁶ Well Number 1H
⁷ GRID NO.		⁸ Operator Name MEWBOURNE OIL COMPANY			⁹ Elevation 3182'

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
L	5	23S	27E		1650	SOUTH	210	WEST	EDDY

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
I	4	23S	27E		2310	SOUTH	330	EAST	EDDY

¹² Dedicated Acres	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.

No allowable will be assigned to this completion until all interest have been consolidated or a non-standard unit has been approved by the division.

¹⁶

<p>GEODETIC DATA NAD 83 GRID - NM EAST</p> <p>SURFACE LOCATION N: 484247.0 - E: 576272.7 LAT: 32.3312161° N LONG: 104.2202264° W</p> <p>BOTTOM HOLE N: 485028.0 - E: 586320.4 LAT: 32.3332296° N LONG: 104.1876922° W</p> <p>GEODETIC DATA NAD 27 GRID - NM EAST</p> <p>SURFACE LOCATION N: 484188.0 - E: 535090.8 LAT: 32.3310975° N LONG: 104.2197250° W</p> <p>BOTTOM HOLE N: 484968.8 - E: 545138.5 LAT: 32.3332106° N LONG: 104.1871920° W</p>	<p>CORNER DATA NAD 83 GRID - NM EAST</p> <p>A: FOUND COTTON SPINDLE N: 482596.3 - E: 576067.2</p> <p>B: FOUND COTTON SPINDLE N: 487890.7 - E: 576053.1</p> <p>C: FOUND 1/2" REBAR N: 487907.1 - E: 578715.7</p> <p>D: FOUND 1/2" IRON ROD N: 487939.5 - E: 581374.9</p> <p>E: FOUND 1/2" REBAR N: 487954.6 - E: 584039.7</p> <p>F: CALCULATED CORNER N: 487969.6 - E: 586700.2</p>	<p>G: FOUND 3/4" REBAR N: 485362.4 - E: 586655.9</p> <p>H: FOUND 1/2" REBAR N: 482725.4 - E: 586611.0</p> <p>I: FOUND 1/2" REBAR N: 482673.3 - E: 584001.6</p> <p>J: FOUND 1/2" REBAR N: 482821.6 - E: 581392.9</p> <p>K: FOUND 1/2" REBAR N: 482610.1 - E: 578729.2</p> <p>L: FOUND 1/2" REBAR N: 485260.5 - E: 581386.0</p>
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¹⁷ OPERATOR CERTIFICATION
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or is a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature _____ Date _____

Printed Name _____

E-mail Address _____

¹⁸ 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.

5-31-2017
Date of Survey

Signature and Seal of Professional Surveyor

19680
Certificate Number

The diagram shows a grid of four lots (LOT 1, LOT 2, LOT 3, LOT 4) with dimensions. A well location is marked with a circle and 'S.L.' and 'B.H.' (Bottom Hole). A detail 'A' is shown with dimensions 3184.3', 600', and 3180.7'. Survey lines are labeled with bearings and distances, such as N 89°38'47" E 2663.32' and S 00°17'50" E 2665.01'. A north arrow is present.

RRC - Job No.: LS1704223

Case No. 15847

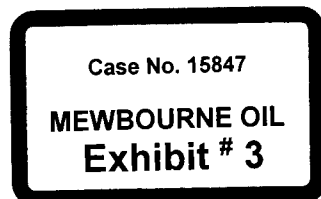
**MEWBOURNE OIL
Exhibit # 2**

TRACT OWNERSHIP
Wolfman "5/4" WOLI Federal Com No. 1H
S/2 of Section 5 and S/2 of Section 4,
Township 23 South, Range 27 East
Eddy County, New Mexico

S/2 of Section 5 and S/2 of Section 4:
Wolfcamp formation:

	<u>% Leasehold Interest</u>
Mewbourne Oil Company 500 West Texas, Ste. 1020 Midland, Texas 79701	75.000000%
*RKI Exploration & Production, LLC 3500 One Williams Center MD 35 Tulsa, Oklahoma 74172	<u>25.000000%</u> 100.000000%

*** Total interest being pooled: 25.000000%**



MEWBOURNE OIL COMPANY

500 West Texas, Suite 1020
Midland, Texas 79701
Phone (432) 682-3715
Fax (432) 685-4170

June 1, 2017

Via: Certified Mail

RKI Exploration & Production, LLC
3500 One Williams Center MD 35
Tulsa, Oklahoma 74172
Attr: Mr. Justin Hall

Re: Wolfman 5/4 WOLI Fed Com #1H
1650' FSL & 210' FWL (SL) (Section 5)
2310' FSL & 330' FEL (BHL) (Section 4)
Sections 5/4, T23S, R27E
Eddy County, New Mexico

Gentlemen:

Mewbourne Oil Company ("Mewbourne") as Operator hereby proposes to form a 640 acre Working Interest Unit ("WIU") covering the S/2 of the above captioned section 4 and the S/2 of the above captioned section 5 for oil and gas production. The targeted interval for the proposed unit is the Wolfcamp formation. Apparently RKI Exploration & Production, LLC ("RKI") owns 100% interest in the W/2SW/4, and N/2SE/4 (160 gross acres) of the referenced Section 4. Accordingly, RKI would own 25.0000% working interest in the proposed WIU. (100% interest X 160.00 net acres / 640.00 gross acres = 25.0000% interest in the WIU)

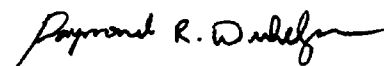
Mewbourne as Operator hereby proposes to drill the captioned well at the above referenced surface location (SL) to the referenced bottom hole location (BHL). The proposed well will be drilled to an approximate true vertical depth (TVD) of 9,112 feet subsurface to evaluate the Wolfcamp Formation. The proposed well will have a measured depth (MD) of approximately 18,833 feet. The S/2 of section 4 and the S/2 of section 5 will be dedicated to the proration unit of the well.

Regarding the above, enclosed for your further handling is our AFE dated May 31, 2017 for the captioned proposed well. Also, enclosed is a copy of our proposed Operating Agreement dated April 15, 2017 and an extra set of signature pages. In the event RKI elects to participate in the proposed well, please execute the enclosed AFE and extra set of signature pages and return to me within thirty (30) days.

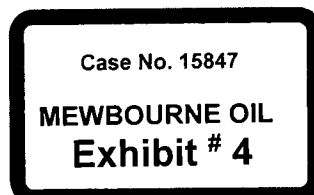
Should you have any questions regarding the above, please email me at rwinkeljohn@mewbourne.com or call me at (432) 682-3715.

Sincerely,

MEWBOURNE OIL COMPANY



Ray Winkeljohn
Landman





Date: June 5, 2017

Simple Certified:

The following is in response to your June 5, 2017 request for delivery information on your Certified Mail™/RRE item number 9402810699945023416592. The delivery record shows that this item was delivered on June 5, 2017 at 11:44 am in TULSA, OK 74119. The scanned image of the recipient information is provided below.

Signature of Recipient :

A handwritten signature in black ink that reads "Britt Carroll".

Address of Recipient :

A handwritten address in black ink that reads "WILLIAMS CTR".

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 Hall
RKI Exploration and Production LLC
3500 ONE WILLIAMS CTR MD 35
TULSA, OK 74172
Reference #: Wolfman 5/4 WOLI #1H RW
Item ID: Wolfman 5 4 WOLI No 1H



hinklelawfirm.com

HINKLE SHANOR LLP

ATTORNEYS AT LAW

PO BOX 2068

SANTA FE, NEW MEXICO 87504

505-982-4554 (FAX) 505-982-8623

WRITER

Gary W. Larson,
Partner

glarson@hinklelawfirm.com

September 13, 2017

VIA CERTIFIED MAIL

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

Re: Mewbourne Oil Company NMOCD Application

Dear Mr. Hall:

Enclosed is a copy of an application for approval of a 640-acre, more or less, non-standard spacing and proration unit and compulsory pooling that Mewbourne Oil Company ("Mewbourne") has filed with the New Mexico Oil Conservation Division ("the Division"). The proposed non-standard spacing and proration unit is comprised of the S/2 of Section 5 and the S/2 of Section 4, Township 23 South, Range 27 East, N.M.P.M., Eddy County, New Mexico.

This matter is scheduled for hearing at 8:15 a.m. on Thursday, October 12, 2017 in Porter Hall at the Division's offices located at 1220 South St. Francis Drive, Santa Fe, New Mexico 87505. RKI Exploration & Production, LLC ("RKI") is not required to attend this hearing, but as an owner of an interest that may be affected by Mewbourne's application, it may appear at the hearing and present testimony. If RKI does not appear at that time and become a party of record, it will be precluded from contesting the matter at a later date.

A party appearing in a Division case is required by the Division's Rules to file a Pre-Hearing Statement, which in this matter must be filed no later than Thursday, October 5, 2017. The Pre-Hearing Statement must be filed with the Division's Santa Fe office at the address above, and should include: the name of the party and the party's attorney; a concise statement of the case; the name(s) of the witness(es) the party will call to testify at the hearing; the approximate amount of time the party will need to present the party's case; and an identification of any procedural matters that need to be resolved prior to the hearing. The Pre-Hearing Statement must also be provided to me.

Thank you for your attention to this matter.

Very truly yours,

Gary W. Larson

GWL:sm
Enclosure

Case No. 15847

**MEWBOURNE OIL
Exhibit # 5**

PO BOX 10
ROSWELL, NEW MEXICO 88202
575-622-6510
(FAX) 575-623-9332

PO BOX 1720
ARTESIA, NEW MEXICO 88210
575-622-6510
(FAX) 575-746-6316

PO BOX 2068
SANTA FE, NEW MEXICO 87504
505-982-4554
(FAX) 505-982-8623

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:
RKI Exploration & Production
Attn: Justin Hall
3500 One Williams Center MD 35
Tulsa, OK 74172




9590 9402 2874 7069 5540 47

2. Article Number (Transfer from service label)

7014 0510 0000 9539 3036

COMPLETE THIS SECTION ON DELIVERY

A. Signature Agent
 Addressee

B. Received by (Printed Name) C. Date of Delivery
9-18-17

D. Is delivery address different from item 1? Yes
If YES, enter delivery address below: No

3. Service Type
- | | |
|------------------------------------------------------------------|---------------------------------------------------------------------|
| <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"/> Collect on Delivery Restricted Delivery | <input type="checkbox"/> Signature Confirmation Restricted Delivery |
| <input type="checkbox"/> Mail Restricted Delivery | |

Offset Ownership
Wolfman 5/4 WOLI Fed Com #1H
S/2 of Section 5, T23S, R27E
S/2 of Section 4, T23S, R27E
Eddy County, New Mexico

N/2 Section 3, T23S, R27E:

RKI Exploration & Production, LLC – Leasehold Owner/Operator

Anadarko Petroleum Corporation – Unleased Mineral Owner
1201 Lake Robbins Drive
The Woodlands, Texas 77380-1181
Attn: Land Department

Alonso G. Gomez & Sandra E. Gomez – Unleased Mineral Owner
8105 Cherry Laurel Lane
Irving, TX 75063

S/2 Section 3, T23S, R27E:

RKI Exploration & Production, LLC – Leasehold Owner

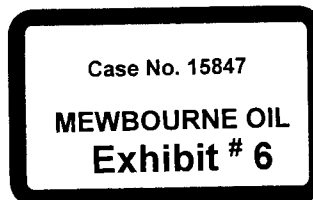
Anadarko Petroleum Corporation – Unleased Mineral Owner

N/2 Section 04, T23S, R27E:

RKI Exploration & Production, LLC - Operator

N/2 Section 5, T23S, R27E:

Tap Rock Operating, LLC - Operator
602 Park Point Drive, Suite 200
Golden, Colorado 80401
Attn: Clayton Sporich



N/2 Section 6, T23S, R27E:

Devon Energy Corporation - Operator
333 West Sheridan
Oklahoma City, Oklahoma 73102-8260
Attn: Donna Hatchett

Cimarex Energy Co. - Operator
600 N. Marienfield, Suite 600
Midland, TX 79701
Attn: Todd Meador

RKI Exploration & Production, LLC - Operator
S/2 Section 6, T23S, R27E:

Devon Energy Corporation - Operator

Cimarex Energy Co. - Operator

N/2 Section 7, T23S, R27E:

Tap Rock Operating, LLC - Operator

N/2 Section 8, T23S, R27E:

Marathon Oil Permian LLC - Operator
5555 San Felipe Street
Houston, TX 77056
Attn: Matt Brown

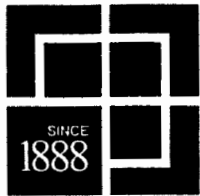
N/2 Section 9, T23S, R27E:

Marathon Oil Permian LLC – Leasehold Owner

Bureau of Land Management – Unleased Mineral Owner
Carlsbad Field Office
620 E. Greene Street
Carlsbad, New Mexico 88220-6292
Attn: Mr. George MacDonell

N/2 Section 10, T23S, R27E:

RKI Exploration & Production, LLC – Leasehold Owner



HINKLE SHANOR LLP

ATTORNEYS AT LAW

PO BOX 2068

SANTA FE, NEW MEXICO 87504

505-982-4554 (FAX) 505-982-8623

WRITER:

Gary W. Larson,
Partner

glarson@hinklelawfirm.com

September 13, 2017

VIA CERTIFIED MAIL

Anadarko Petroleum Corporation
Attn: Land Department
1201 Lake Robbins Drive
The Woodlands, TX 77380-1181

Re: Mewbourne Oil Company NMOCD Application

Dear Sir or Madam:

Enclosed is a copy of an application for approval of a 640-acre, non-standard spacing and proration unit and compulsory pooling that Mewbourne Oil Company ("Mewbourne") has filed with the New Mexico Oil Conservation Division ("the Division").

The proposed non-standard spacing and proration unit is comprised of the S/2 of Section 5 and the S/2 of Section 4, Township 23 South, Range 27 East, N.M.P.M., Eddy County, New Mexico. The location of the proposed project area is orthodox. Anadarko Petroleum Corporation's ("Anadarko") interests are not being pooled, but as the owner of an interest in an offsetting tract, it is entitled to receive notice of COG's application.

This matter is scheduled for hearing at 8:15 a.m. on Thursday, October 12, 2017 in Porter Hall at the Division's offices located at 1220 South St. Francis Drive, Santa Fe, New Mexico 87505. Anadarko is not required to attend this hearing, but as an owner of an interest in an offset tract, it has the right to appear at the hearing and present testimony. If Anadarko does not appear at the hearing it will be precluded from contesting the matter at a later date.

A party appearing in the case is required by the Division's Rules to file a Pre-Hearing Statement, which in this matter must be filed no later than Thursday, October 5, 2017. The Pre-Hearing Statement must be filed with the Division's Santa Fe office at the address above, and should include: the name of the party and the party's attorney; a concise statement of the case; the name(s) of the witness(es) the party will call to testify at the hearing; the approximate amount of time the party will need to present the party's case; and an identification of any procedural matters that need to be resolved prior to the hearing. The Pre-Hearing Statement must also be provided to me.

Thank you for your attention to this matter.

Very truly yours,

Gary W. Larson

Case No. 15847

**MEWBOURNE OIL
Exhibit # 7**

GWL:sm
Enclosure

PO BOX 10
ROSWELL, NEW MEXICO 88202
575-622-6510
(FAX) 575-623-9332

PO BOX 1720
ARTESIA, NEW MEXICO 88210
575-622-6510
(FAX) 575-746-6316

PO BOX 2068
SANTA FE, NEW MEXICO 87504
505-982-4554
(FAX) 505-982-8623

SENDER: COMPLETE THIS SECTION

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- Print your name and address on the reverse so that we can return the card to you.
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1. Article Addressed to:

Anadarko Petroleum Corp.
 Attn: Land Department
 1201 Lake Robbins Drive
 The Woodlands, TX 77380-1181



9590 9402 2874 7069 5540 16

2. Article Number (Transfer from service label)

7014 0510 0000 9539 3050

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

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X

- Agent
- Addressee

B. Received by (Printed Name)

C. Date of Delivery

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3. Service Type

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- Certified Mail Restricted Delivery
- Collect on Delivery
- Collect on Delivery Restricted Delivery
- Insured Mail
- Priority Mail Express®
- Registered Mail™
- Registered Mail Restricted Delivery
- Return Receipt for Merchandise
- Signature Confirmation™
- Signature Confirmation Restricted Delivery

all Restricted Delivery

Domestic Return Receipt

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
 (Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com.™

OFFICIAL USE

7014 0510 0000 9539 3043

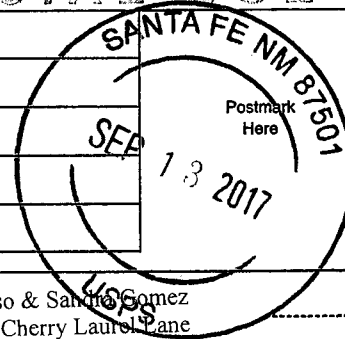
Postage \$

Certified Fee

Return Receipt Fee (Endorsement Required)

Restricted Delivery Fee (Endorsement Required)

Total Postage & Fees \$



Sent To

Alonso & Sandra Gomez
 8105 Cherry Laurel Lane
 Irving, TX 75063

Street, Apt. No., or PO Box No.
City, State, ZIP+4

PS Form 3800, August 2006

See Reverse for Instructions

SENDER: COMPLETE THIS SECTION

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1. Article Addressed to:

Tap Rock Operating, LLC
 Attn: Clayton Sporich
 602 Park Point Drive, Suite 200
 Golden, CO 80401



9590 9402 2874 7069 5539 65

2. Article Number (Transfer from service label)

7015 0640 0001 6338 8802

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

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- Addressee

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- Certified Mail Restricted Delivery
- Collect on Delivery
- Collect on Delivery Restricted Delivery
- Insured Mail
- Priority Mail Express®
- Registered Mail™
- Registered Mail Restricted Delivery
- Return Receipt for Merchandise
- Signature Confirmation™
- Signature Confirmation Restricted Delivery


all Restricted Delivery

Domestic Return Receipt

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- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:
 Devon Energy Corporation
 Attn: Donna Hatchett
 333 West Sheridan
 Oklahoma City, OK 73102-8260



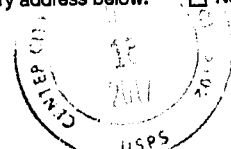
9590 9402 2874 7069 5539 89

COMPLETE THIS SECTION ON DELIVERY

A. Signature
Donna Hatchett Agent Addressee

B. Received by (Printed Name) C. Date of Delivery

D. Is delivery address different from item 1? Yes
 If YES, enter delivery address below: No



2. Article Number (Transfer from service label)
 7015 0640 0001 6338 8789


3. Service Type Priority Mail Express®
 Adult Signature Registered Mail™
 Adult Signature Restricted Delivery Registered Mail Restricted Delivery
 Certified Mail® Return Receipt for Merchandise
 Certified Mail Restricted Delivery Signature Confirmation™
 Collect on Delivery Signature Confirmation Restricted Delivery
 Collect on Delivery Restricted Delivery Signature Confirmation Restricted Delivery
 Insured Mail Restricted Delivery

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

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- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:
 Cimarex Energy Co.
 Attn: Todd Meador
 600 N. Marienfield, Suite 600
 Midland, TX 79701



9590 9402 2874 7069 5539 96

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X Blussea Agent Addressee

B. Received by (Printed Name) C. Date of Delivery
Blussea 9-18-17

D. Is delivery address different from item 1? Yes
 If YES, enter delivery address below: No

2. Article Number (Transfer from service label)
 7015 0640 0001 6338 8772

3. Service Type Priority Mail Express®
 Adult Signature Registered Mail™
 Adult Signature Restricted Delivery Registered Mail Restricted Delivery
 Certified Mail® Return Receipt for Merchandise
 Certified Mail Restricted Delivery Signature Confirmation™
 Collect on Delivery Signature Confirmation Restricted Delivery
 Collect on Delivery Restricted Delivery Signature Confirmation Restricted Delivery
 Insured Mail Restricted Delivery

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

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- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:
 Marathon Oil Permian LLC
 Attn: Matt Brown
 5555 San Felipe Street
 Houston, TX 77056



9590 9402 2874 7069 5539 72

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X Marcos Camery Agent Addressee

B. Received by (Printed Name) C. Date of Delivery
Marcos Camery 9-18-17

D. Is delivery address different from item 1? Yes
 If YES, enter delivery address below: No

2. Article Number (Transfer from service label)
 7015 0640 0001 6338 8796

3. Service Type Priority Mail Express®
 Adult Signature Registered Mail™
 Adult Signature Restricted Delivery Registered Mail Restricted Delivery
 Certified Mail® Return Receipt for Merchandise
 Certified Mail Restricted Delivery Signature Confirmation™
 Collect on Delivery Signature Confirmation Restricted Delivery
 Collect on Delivery Restricted Delivery Signature Confirmation Restricted Delivery
 Insured Mail Restricted Delivery

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

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- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Bureau of Land Management
 Attn: George MacDonell
 Carlsbad Field Office
 620 E. Greene Street
 Carlsbad, NM 88220-6292



9590 9402 2874 7069 5540 09

2. Article Number (Transfer from service label)

7014 0510 0000 9539 3067

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X

- Agent
- Addressee

B. Received by (Printed Name)

C. Date of Delivery

7/18

D. Is delivery address different from item 1? If YES, enter delivery address below:

- Yes
- No

3. Service Type

- Adult Signature
- Adult Signature Restricted Delivery
- Certified Mail®
- Certified Mail Restricted Delivery
- Collect on Delivery
- Collect on Delivery Restricted Delivery
- all Restricted Delivery
- Priority Mail Express®
- Registered Mail™
- Registered Mail Restricted Delivery
- Return Receipt for Merchandise
- Signature Confirmation™
- Signature Confirmation Restricted Delivery

September 16, 2017

Affidavit of Publication

State of New Mexico,
County of Eddy, ss.

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

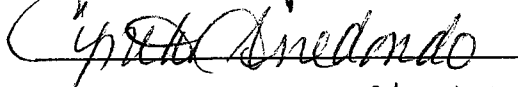
That he is the Publisher of the
Carlsbad Current-Argus, a
newspaper published daily at the
City of Carlsbad, in said county of
Eddy, state of New Mexico and of
general paid circulation in said
county; that the same is a duly
qualified newspaper under the laws
of the State wherein legal notices
and advertisements 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:

September 16 2017

That the cost of publication is **\$93.49**
and that payment thereof has been
made and will be assessed as court
costs.

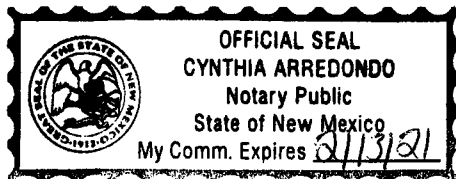


Subscribed and sworn to before me
this 18 day of September, 2017



My commission Expires 2/13/21

Notary Public



This is to notify all interested parties, including RKL Exploration & Production, LLC, Anadarko Petroleum Corporation, Alonso G. Gomez, Sandra E. Gomez, Tap Rock Operating, LLC, Devon Energy Corporation, Cimarex Energy Co., Marathon Oil Permian LLC, the Bureau of Land Management and their successors and assigns, that the New Mexico Oil Conservation Division will conduct a hearing on an application submitted by Mewbourne Oil Company at 8:15 a.m. on October 12, 2017 in Porter Hall at 1220 South St. Francis Drive, Santa Fe, New Mexico. Mewbourne Oil Company seeks an order (i) creating a 640-acre, more or less, non-standard oil spacing and proration unit (project area) comprised of the S/2 of Section 5 and the S/2 of Section 4, Township 23 South, Range 27 East, NMPM, in Eddy County, and (ii) pooling all uncommitted mineral interests in the Wolfcamp formation underlying this acreage. The project area is to be dedicated to the Wolfman 5/4 WOLI Federal Com #1H horizontal well, which will have a surface location in Unit L of Section 5 and a bottom hole location in Unit I of Section 4, Township 23 South, Range 27 East. The completed interval for the well will be within the 330-foot standard offset required by the Division's rules. Also to be considered will be the cost of drilling and completing the well and the allocation of the cost, the designation of Mewbourne Oil Company as the operator of the well, and a 200% charge for the risk involved in drilling and completing the well. The proposed project area is located approximately 2.5 miles southeast of Carlsbad, New Mexico.

Case No. 15847
MEWBOURNE OIL
Exhibit # 8

MEWBOURNE OIL COMPANY
AUTHORIZATION FOR EXPENDITURE

Well Name: Wolfman 5/4 WOLI Fed Com #1H	Prospect: Wolfcamp
Location: SL: 1650' FSL & 210' FWL (5); BHL: 2310' FSL & 330' FEL (4)	County: Eddy ST: NM
Sec: 5 Bk: Survey: TWP: 23S R1G: 27E Prop. TWD: 9112' TMD: 18833'	

INTANGIBLE COSTS 0180	CODE	TCP	CODE	CC
Regulatory Permits & Surveys	0180-0100	\$15,000	0180-0200	
Location / Road / Site / Preparation	0180-0105	\$50,000	0180-0205	\$25,000
Location / Restoration	0180-0106	\$195,000	0180-0206	\$55,000
Daywork / Turnkey / Footage Drilling 28 days drlg / 4 days comp @ \$18,000/day	0180-0110	\$536,800	0180-0210	\$76,700
Fuel 1500 gal/day @ 1.90/gal	0180-0114	\$91,200		
Mud, Chemical & Additives	0180-0120	\$200,000	0180-0220	
Horizontal Drilling Services			0180-0222	\$150,000
Cementing	0180-0125	\$80,000	0180-0225	\$30,000
Logging & Wireline Services	0180-0130	\$2,000	0180-0230	\$375,000
Casing / Tubing / Snubbing Service	0180-0134	\$25,000	0180-0234	\$20,000
Mud Logging	0180-0137	\$25,000		
Stimulation 59 stg 23.9 MM gals X 23.9 MM#			0180-0241	\$4,300,000
Stimulation Rentals & Other			0180-0242	\$200,000
Water & Other	0180-0145	\$40,000	0180-0245	\$800,000
Bits	0180-0148	\$81,000	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 5 days @ \$3500/day			0180-0260	\$18,500
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	\$48,000
Directional Services Includes vertical control	0180-0175	\$218,000		
Equipment Rental	0180-0180	\$194,000	0180-0280	\$30,000
Well / Lease Legal	0180-0184	\$5,000	0180-0284	
Well / Lease Insurance	0180-0185	\$5,700	0180-0285	
Intangible Supplies	0180-0188	\$8,000	0180-0288	\$1,000
Damages	0180-0190	\$25,000	0180-0290	
ROW & Easements	0180-0192		0180-0292	\$65,000
Pipeline Interconnect			0180-0293	
Company Supervision	0180-0195	\$143,000	0180-0295	\$95,000
Overhead Fixed Rate	0180-0196	\$10,000	0180-0296	\$20,000
Well Abandonment	0180-0198		0180-0298	
Contingencies 10% (TCP) 5% (CC)	0180-0199	\$219,500	0180-0299	\$318,800
TOTAL		\$2,414,200		\$6,694,000

TANGIBLE COSTS 0181	CODE	TCP	CODE	CC
Casing (19.1" - 30")	0181-0793			
Casing (10.1" - 19.0") 350' - 13 3/8" 54.5# J-55 ST&C @ \$28.51/ft	0181-0794	\$10,700		
Casing (8.1" - 10.0") 1850' - 9 5/8" 40# N-80 LT&C @ \$25.40/ft	0181-0795	\$50,000		
Casing (6.1" - 8.0") 9150' - 7" 29# P-110 LT&C @ \$21.21/ft	0181-0796	\$206,300		
Casing (4.1" - 6.0") 10317' - 4 1/2" 13.5# P-110 BPN @ \$14.21/ft			0181-0797	\$155,800
Tubing (2" - 4")			0181-0798	
Drilling Head	0181-0860	\$30,000		
Tubing Head & Upper Section 10K frac valve & tree			0181-0870	\$45,000
Horizontal Completion Tools			0181-0871	\$30,000
Sucker Rods			0181-0875	
Subsurface Equipment			0181-0880	
Artificial Lift Systems			0181-0884	
Pumping Unit			0181-0885	
Surface Pumps & Prime Movers VRU and SWD pump			0181-0886	\$50,000
Tanks - Oil 3 - 750 steel			0181-0890	\$40,000
Tanks - Water 3 - 750 steel coated			0181-0891	\$45,000
Separation / Treating Equipment 36"x15"x1000# 3ph, 30"x10"x1000# 3 ph, GB			0181-0895	\$50,000
Heater Treaters, Line Heaters 6'x20'x75#			0181-0897	\$15,000
Metering Equipment			0181-0898	\$7,000
Line Pipe & Valves - Gathering 2.5 miles 8" SWD & 1 mile 4" gas			0181-0900	\$240,000
Fittings / Valves & Accessories			0181-0906	\$60,000
Cathodic Protection			0181-0908	\$6,000
Electrical Installation			0181-0909	\$75,000
Equipment Installation			0181-0910	\$35,000
Pipeline Construction 2.5 miles 8" SWD & 1 mile 4" gas			0181-0920	\$232,000
TOTAL		\$297,000		\$1,085,800
SUBTOTAL		\$2,711,200		\$7,779,800

TOTAL WELL COST \$10,491,000

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.

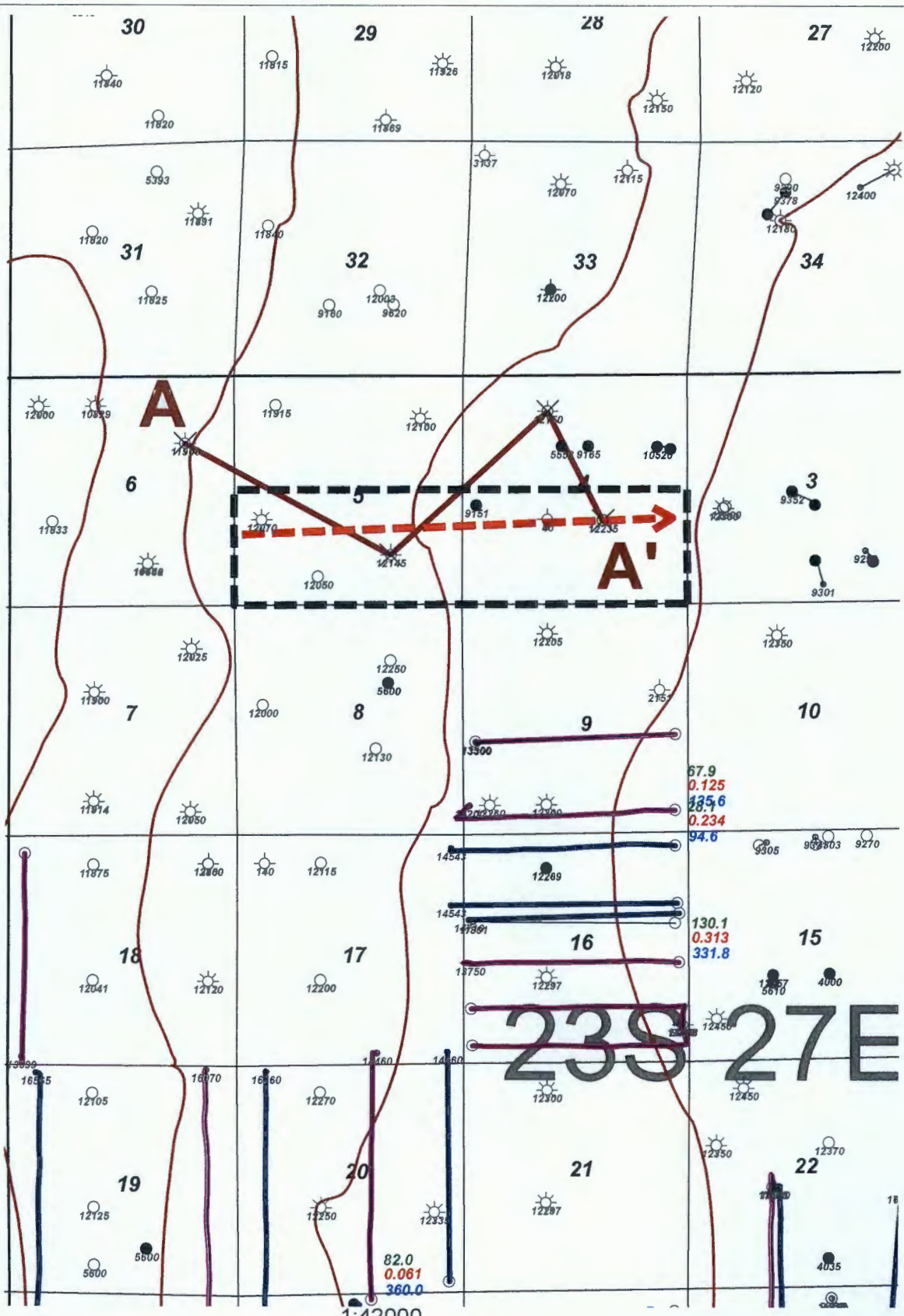
Prepared by: R. Terrell Date: 5/31/2017

Company Approval: *M. White* Date: 6/2/2017

Joint Owner Interest: _____ Amount: _____

Joint Owner Name: _____ Signature: _____

Case No. 15847
MEWBOURNE OIL
Exhibit # 9



Cum Oil (Mbo)
 Cum Gas (Bcf)
 Cum Wtr (Mbw)



Case No. 15847
MEWBOURNE OIL
Exhibit # 10

Horizontal Activity Color Code

- Wolfcamp Sand
- Wolfcamp Shale

Mewbourne Oil Company

Wolfman 5/4 WOLI Fed Com 1H
 Horizontal Activity Map
 Structure Top of WFMP (C.I. 100')

10/9/17	Eddy County	New Mexico
Geol. C. Crosby		



A
W

3001533202000
DEVON ENERGY PROD
JOELL B 2
Datum=3202.00
1530 PNL 1130 FEL
TWP: 23 S - Range: 27 E - Sec. 6

5451 R

30015340130000
MEWBOURNE OIL CO
RANCH HAND 5 FEE CO 2
Datum=3178.00
1187 FSL 1050 FEL
TWP: 23 S - Range: 27 E - Sec. 5

4825 R

30015208930000
MOBIL OIL CORP
MISSOURI NM LND COM 1
Datum=3158.00
832 PNL 1980 PVL
TWP: 23 S - Range: 27 E - Sec. 4

2840 R

30015211450000
MOBIL OIL CORP
BINDEL COM 1
Datum=3144.00
1947 FSL 1871 FEL
TWP: 23 S - Range: 27 E - Sec. 4

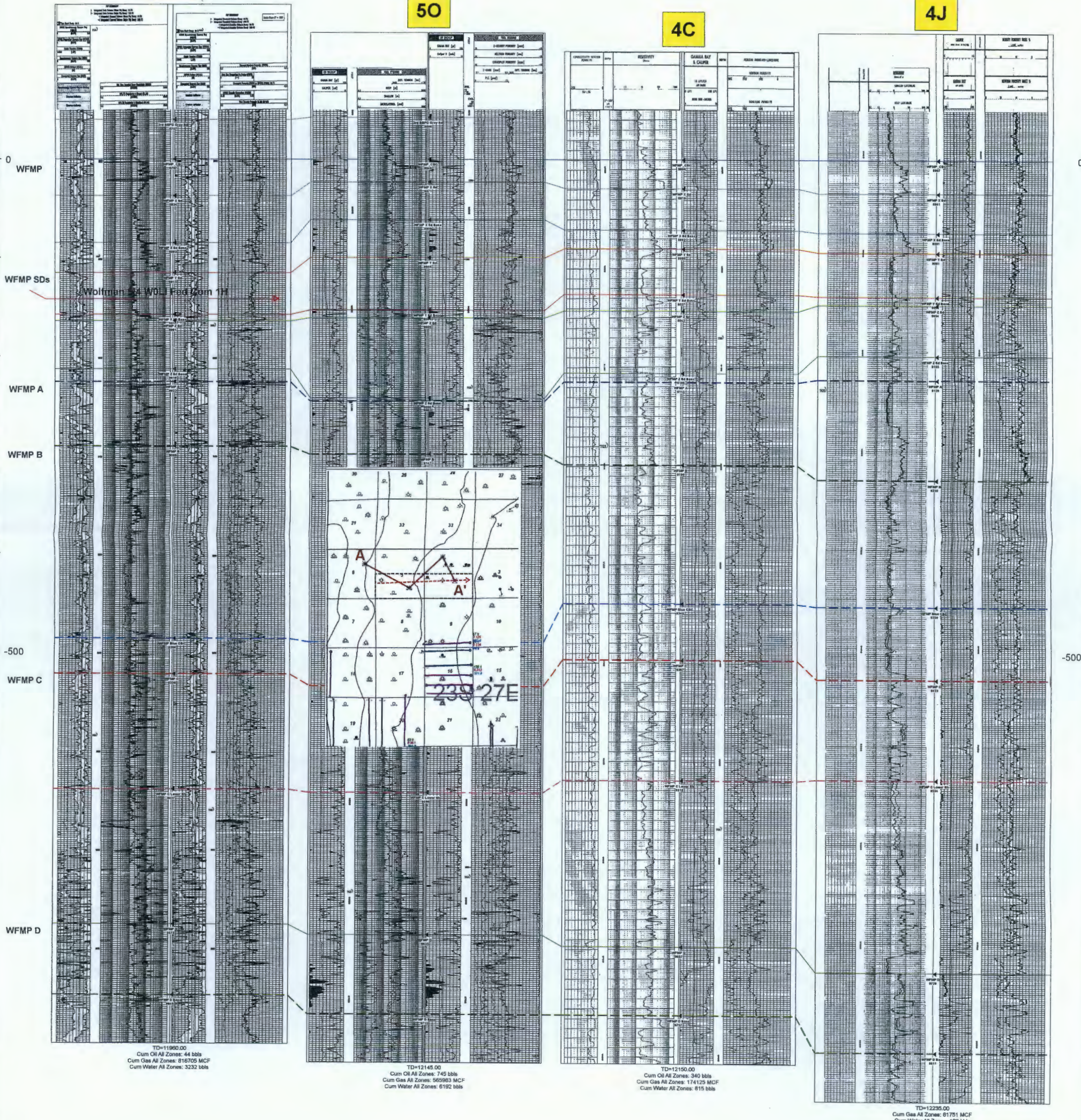
A'
E

6G

50

4C

4J



Wolfman 5/4 WOLI Fed Com 1H
Cross Section Exhibit (A-A')

Case No. 15847
MEWBOURNE OIL
Exhibit # 11

Wolfman 5/4 WOLI Fed Com 1H Wolfcamp Production Table

Well Name	Operator	API	Location	WFMP Comp Date	Cum Oil (Mbo)	Cum Gas (BCF)	Cum Water (Mbw)	NS/EW	WFMP Zone
Cass 16 State 1H	Marathon	3001542730	17DA/23S/27E	1/11/2017	28	0.2	94.6	EW	WFMP D Shale
Sterling 20 State 1H	Marathon	3001542731	17B0/23S/27E	2/10/2017	82	0.06	385	NS	WFMP Sand
Jester 19 30 W0AH Fed Com 1H	Mewbourne	3001542830	19AH/23S/27E	8/17/2015	140	0.3	750	NS	WFMP Sand
Jester 19 30 W2DE Fed Com 1H	Mewbourne	3001542831	19DE/23S/27E	7/12/2015	120	0.6	572	NS	WFMP C Shale
Sterling Poug 20 29 W2DE State Com 1H	Mewbourne	3001542974	20DE/23S/27E	1/11/2016	114	1	500	NS	WFMP D Shale
Cavern 16 State 1H	RKI	3001543841	16L1/23S/27E	10/24/2016	130	0.3	331	EW	WFMP Sand
Cypress 1H	Marathon	3001544046	9MP/23S/27E	6/2/2017	67.9	0.1	135	EW	WFMP Sand

Case No. 15847
MEWBOURNE OIL
Exhibit # 12

Mewbourne Oil Company

Eddy County, New Mexico NAD 83

Wolfman 5/4 W0LI Fed Com #1H

Sec 5, T23S, R27E

SL: 1650' FSL & 210' FWL, Sec 5

BHL: 2308' FSL & 330' FEL, Sec 4

Plan: Design #1

Standard Planning Report

02 June, 2017

Case No. 15847

**MEWBOURNE OIL
Exhibit # 13**

Planning Report

Database: Hobbs
 Company: Mewbourne Oil Company
 Project: Eddy County, New Mexico NAD 83
 Site: Wolfman 5/4 W0LI Fed Com #1H
 Well: Sec 5, T23S, R27E
 Wellbore: BHL: 2308' FSL & 330' FEL, Sec 4
 Design: Design #1

Local Co-ordinate Reference: Site Wolfman 5/4 W0LI Fed Com #1H
 TVD Reference: WELL @ 3216.0usft (Original Well Elev)
 MD Reference: WELL @ 3216.0usft (Original Well Elev)
 North Reference: Grid
 Survey Calculation Method: Minimum Curvature

Project	Eddy County, New Mexico NAD 83		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site	Wolfman 5/4 W0LI Fed Com #1H				
Site Position:		Northing:	484,247.00 usft	Latitude:	32° 19' 52.378 N
From:	Map	Easting:	576,273.00 usft	Longitude:	104° 13' 12.811 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.06 °

Well	Sec 5, T23S, R27E					
Well Position	+N/-S	0.0 usft	Northing:	484,247.00 usft	Latitude:	32° 19' 52.378 N
	+E/-W	0.0 usft	Easting:	576,273.00 usft	Longitude:	104° 13' 12.811 W
Position Uncertainty		0.0 usft	Wellhead Elevation:	3,216.0 usft	Ground Level:	3,189.0 usft

Wellbore	BHL: 2308' FSL & 330' FEL, Sec 4				
Magnetics	Model Name	Sample Date	Declination	Dip Angle	Field Strength
	IGRF2010	6/2/2017	(°)	(°)	(nT)
			7.16	60.03	48,018

Design	Design #1				
Audit Notes:					
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.0	
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction	
	(usft)	(usft)	(usft)	(°)	
	0.0	0.0	0.0	85.56	

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	
8,300.0	0.00	0.00	8,300.0	0.0	0.0	0.00	0.00	0.00	0.00	
8,838.6	59.25	6.94	8,747.6	252.7	30.8	11.00	11.00	0.00	6.94	
9,608.7	89.29	89.27	8,994.0	660.0	550.0	10.73	3.90	10.69	86.67	LP: 2308' FSL & 762'
19,107.2	89.29	89.27	9,112.0	781.0	10,047.0	0.00	0.00	0.00	0.00	BHL: 2308' FSL & 330'

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Wolfman 5/4 WOLI Fed Com #1H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3216.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	MD Reference:	WELL @ 3216.0usft (Original Well Elev)
Site:	Wolfman 5/4 WOLI Fed Com #1H	North Reference:	Grid
Well:	Sec 5, T23S, R27E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 2308' FSL & 330' FEL, Sec 4		
Design:	Design #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	
SL: 1660' FSL & 210' FWL, Sec 5										
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	0.00	0.00	2,700.0	0.0	0.0	0.0	0.00	0.00	0.00	
2,800.0	0.00	0.00	2,800.0	0.0	0.0	0.0	0.00	0.00	0.00	
2,900.0	0.00	0.00	2,900.0	0.0	0.0	0.0	0.00	0.00	0.00	
3,000.0	0.00	0.00	3,000.0	0.0	0.0	0.0	0.00	0.00	0.00	
3,100.0	0.00	0.00	3,100.0	0.0	0.0	0.0	0.00	0.00	0.00	
3,200.0	0.00	0.00	3,200.0	0.0	0.0	0.0	0.00	0.00	0.00	
3,300.0	0.00	0.00	3,300.0	0.0	0.0	0.0	0.00	0.00	0.00	
3,400.0	0.00	0.00	3,400.0	0.0	0.0	0.0	0.00	0.00	0.00	
3,500.0	0.00	0.00	3,500.0	0.0	0.0	0.0	0.00	0.00	0.00	
3,600.0	0.00	0.00	3,600.0	0.0	0.0	0.0	0.00	0.00	0.00	
3,700.0	0.00	0.00	3,700.0	0.0	0.0	0.0	0.00	0.00	0.00	
3,800.0	0.00	0.00	3,800.0	0.0	0.0	0.0	0.00	0.00	0.00	
3,900.0	0.00	0.00	3,900.0	0.0	0.0	0.0	0.00	0.00	0.00	
4,000.0	0.00	0.00	4,000.0	0.0	0.0	0.0	0.00	0.00	0.00	
4,100.0	0.00	0.00	4,100.0	0.0	0.0	0.0	0.00	0.00	0.00	
4,200.0	0.00	0.00	4,200.0	0.0	0.0	0.0	0.00	0.00	0.00	
4,300.0	0.00	0.00	4,300.0	0.0	0.0	0.0	0.00	0.00	0.00	
4,400.0	0.00	0.00	4,400.0	0.0	0.0	0.0	0.00	0.00	0.00	
4,500.0	0.00	0.00	4,500.0	0.0	0.0	0.0	0.00	0.00	0.00	
4,600.0	0.00	0.00	4,600.0	0.0	0.0	0.0	0.00	0.00	0.00	
4,700.0	0.00	0.00	4,700.0	0.0	0.0	0.0	0.00	0.00	0.00	
4,800.0	0.00	0.00	4,800.0	0.0	0.0	0.0	0.00	0.00	0.00	
4,900.0	0.00	0.00	4,900.0	0.0	0.0	0.0	0.00	0.00	0.00	
5,000.0	0.00	0.00	5,000.0	0.0	0.0	0.0	0.00	0.00	0.00	
5,100.0	0.00	0.00	5,100.0	0.0	0.0	0.0	0.00	0.00	0.00	
5,200.0	0.00	0.00	5,200.0	0.0	0.0	0.0	0.00	0.00	0.00	

Planning Report

Database: Hobbs
 Company: Mewbourne Oil Company
 Project: Eddy County, New Mexico NAD 83
 Site: Wolfman 5/4 WOLI Fed Com #1H
 Well: Sec 5, T23S, R27E
 Wellbore: BHL: 2308' FSL & 330' FEL, Sec 4
 Design: Design #1

Local Co-ordinate Reference:
 TVD Reference:
 MD Reference:
 North Reference:
 Survey Calculation Method:

Site Wolfman 5/4 WOLI Fed Com #1H
 WELL @ 3216.0usft (Original Well Elev)
 WELL @ 3216.0usft (Original Well Elev)
 Grid
 Minimum Curvature

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)	
5,300.0	0.00	0.00	5,300.0	0.0	0.0	0.0	0.00	0.00	0.00	
5,400.0	0.00	0.00	5,400.0	0.0	0.0	0.0	0.00	0.00	0.00	
5,500.0	0.00	0.00	5,500.0	0.0	0.0	0.0	0.00	0.00	0.00	
5,600.0	0.00	0.00	5,600.0	0.0	0.0	0.0	0.00	0.00	0.00	
5,700.0	0.00	0.00	5,700.0	0.0	0.0	0.0	0.00	0.00	0.00	
5,800.0	0.00	0.00	5,800.0	0.0	0.0	0.0	0.00	0.00	0.00	
5,900.0	0.00	0.00	5,900.0	0.0	0.0	0.0	0.00	0.00	0.00	
6,000.0	0.00	0.00	6,000.0	0.0	0.0	0.0	0.00	0.00	0.00	
6,100.0	0.00	0.00	6,100.0	0.0	0.0	0.0	0.00	0.00	0.00	
6,200.0	0.00	0.00	6,200.0	0.0	0.0	0.0	0.00	0.00	0.00	
6,300.0	0.00	0.00	6,300.0	0.0	0.0	0.0	0.00	0.00	0.00	
6,400.0	0.00	0.00	6,400.0	0.0	0.0	0.0	0.00	0.00	0.00	
6,500.0	0.00	0.00	6,500.0	0.0	0.0	0.0	0.00	0.00	0.00	
6,600.0	0.00	0.00	6,600.0	0.0	0.0	0.0	0.00	0.00	0.00	
6,700.0	0.00	0.00	6,700.0	0.0	0.0	0.0	0.00	0.00	0.00	
6,800.0	0.00	0.00	6,800.0	0.0	0.0	0.0	0.00	0.00	0.00	
6,900.0	0.00	0.00	6,900.0	0.0	0.0	0.0	0.00	0.00	0.00	
7,000.0	0.00	0.00	7,000.0	0.0	0.0	0.0	0.00	0.00	0.00	
7,100.0	0.00	0.00	7,100.0	0.0	0.0	0.0	0.00	0.00	0.00	
7,200.0	0.00	0.00	7,200.0	0.0	0.0	0.0	0.00	0.00	0.00	
7,300.0	0.00	0.00	7,300.0	0.0	0.0	0.0	0.00	0.00	0.00	
7,400.0	0.00	0.00	7,400.0	0.0	0.0	0.0	0.00	0.00	0.00	
7,500.0	0.00	0.00	7,500.0	0.0	0.0	0.0	0.00	0.00	0.00	
7,600.0	0.00	0.00	7,600.0	0.0	0.0	0.0	0.00	0.00	0.00	
7,700.0	0.00	0.00	7,700.0	0.0	0.0	0.0	0.00	0.00	0.00	
7,800.0	0.00	0.00	7,800.0	0.0	0.0	0.0	0.00	0.00	0.00	
7,900.0	0.00	0.00	7,900.0	0.0	0.0	0.0	0.00	0.00	0.00	
8,000.0	0.00	0.00	8,000.0	0.0	0.0	0.0	0.00	0.00	0.00	
8,100.0	0.00	0.00	8,100.0	0.0	0.0	0.0	0.00	0.00	0.00	
8,200.0	0.00	0.00	8,200.0	0.0	0.0	0.0	0.00	0.00	0.00	
8,300.0	0.00	0.00	8,300.0	0.0	0.0	0.0	0.00	0.00	0.00	
KOP @ 8300'										
8,400.0	11.00	6.94	8,399.4	9.5	1.2	1.9	11.00	11.00	0.00	
8,500.0	22.00	6.94	8,495.1	37.6	4.6	7.5	11.00	11.00	0.00	
8,600.0	33.00	6.94	8,583.7	83.4	10.2	16.6	11.00	11.00	0.00	
8,700.0	44.00	6.94	8,661.8	145.1	17.7	28.9	11.00	11.00	0.00	
8,800.0	55.00	6.94	8,726.7	220.5	26.9	43.9	11.00	11.00	0.00	
8,838.6	59.25	6.94	8,747.6	252.7	30.8	50.3	11.00	11.00	0.00	
8,900.0	59.86	14.59	8,778.8	304.6	40.7	64.1	10.78	0.99	12.46	
9,000.0	61.77	26.75	8,827.7	386.0	71.5	101.2	10.78	1.91	12.16	
9,100.0	64.72	38.38	8,872.8	461.0	119.5	154.9	10.78	2.94	11.62	
9,100.9	64.75	38.47	8,873.2	461.6	120.0	155.4	10.78	3.41	11.31	
FTP: 2111' FSL & 330' FWL, Sec 5										
9,200.0	68.52	49.37	8,912.6	527.0	183.1	223.4	10.78	3.81	11.00	
9,300.0	73.01	59.77	8,945.6	581.5	259.9	304.2	10.78	4.48	10.39	
9,400.0	77.99	69.65	8,970.7	622.7	347.4	394.6	10.78	4.99	9.88	
9,500.0	83.31	79.16	8,987.0	649.1	442.3	491.2	10.78	5.32	9.51	
9,600.0	88.81	88.46	8,993.9	659.8	541.3	590.8	10.78	5.50	9.30	
9,608.7	89.29	89.27	8,994.0	660.0	550.0	599.5	10.78	5.54	9.26	
LP: 2308' FSL & 762' FWL, Sec 5										
9,700.0	89.29	89.27	8,995.1	661.2	641.3	690.6	0.00	0.00	0.00	
9,800.0	89.29	89.27	8,996.4	662.4	741.3	790.4	0.00	0.00	0.00	
9,900.0	89.29	89.27	8,997.6	663.7	841.3	890.2	0.00	0.00	0.00	

Planning Report

Database: Hobbs
 Company: Mewbourne Oil Company
 Project: Eddy County, New Mexico NAD 83
 Site: Wolfman 5/4 WOLI Fed Com #1H
 Well: Sec 5, T23S, R27E
 Wellbore: BHL: 2308' FSL & 330' FEL, Sec 4
 Design: Design #1

Local Co-ordinate Reference:
 TVD Reference:
 MD Reference:
 North Reference:
 Survey Calculation Method:

Site Wolfman 5/4 WOLI Fed Com #1H
 WELL @ 3216.0usft (Original Well Elev)
 WELL @ 3216.0usft (Original Well Elev)
 Grid
 Minimum Curvature

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	89.29	89.27	8,998.9	665.0	941.2	989.9	0.00	0.00	0.00
10,100.0	89.29	89.27	9,000.1	666.3	1,041.2	1,089.7	0.00	0.00	0.00
10,200.0	89.29	89.27	9,001.3	667.5	1,141.2	1,189.5	0.00	0.00	0.00
10,300.0	89.29	89.27	9,002.6	668.8	1,241.2	1,289.3	0.00	0.00	0.00
10,400.0	89.29	89.27	9,003.8	670.1	1,341.2	1,389.1	0.00	0.00	0.00
10,500.0	89.29	89.27	9,005.1	671.4	1,441.2	1,488.9	0.00	0.00	0.00
10,600.0	89.29	89.27	9,006.3	672.6	1,541.1	1,588.6	0.00	0.00	0.00
10,700.0	89.29	89.27	9,007.6	673.9	1,641.1	1,688.4	0.00	0.00	0.00
10,800.0	89.29	89.27	9,008.8	675.2	1,741.1	1,788.2	0.00	0.00	0.00
10,900.0	89.29	89.27	9,010.0	676.4	1,841.1	1,888.0	0.00	0.00	0.00
11,000.0	89.29	89.27	9,011.3	677.7	1,941.1	1,987.8	0.00	0.00	0.00
11,100.0	89.29	89.27	9,012.5	679.0	2,041.1	2,087.5	0.00	0.00	0.00
11,200.0	89.29	89.27	9,013.8	680.3	2,141.0	2,187.3	0.00	0.00	0.00
11,300.0	89.29	89.27	9,015.0	681.5	2,241.0	2,287.1	0.00	0.00	0.00
11,400.0	89.29	89.27	9,016.3	682.8	2,341.0	2,386.9	0.00	0.00	0.00
11,500.0	89.29	89.27	9,017.5	684.1	2,441.0	2,486.7	0.00	0.00	0.00
11,509.0	89.29	89.27	9,017.6	684.2	2,450.0	2,495.7	0.00	0.00	0.00
PPP1: 2308' FSL & 2662' FWL									
11,600.0	89.29	89.27	9,018.7	685.4	2,541.0	2,586.5	0.00	0.00	0.00
11,700.0	89.29	89.27	9,020.0	686.6	2,641.0	2,686.2	0.00	0.00	0.00
11,800.0	89.29	89.27	9,021.2	687.9	2,741.0	2,786.0	0.00	0.00	0.00
11,900.0	89.29	89.27	9,022.5	689.2	2,840.9	2,885.8	0.00	0.00	0.00
12,000.0	89.29	89.27	9,023.7	690.5	2,940.9	2,985.6	0.00	0.00	0.00
12,100.0	89.29	89.27	9,024.9	691.7	3,040.9	3,085.4	0.00	0.00	0.00
12,200.0	89.29	89.27	9,026.2	693.0	3,140.9	3,185.2	0.00	0.00	0.00
12,300.0	89.29	89.27	9,027.4	694.3	3,240.9	3,284.9	0.00	0.00	0.00
12,400.0	89.29	89.27	9,028.7	695.6	3,340.9	3,384.7	0.00	0.00	0.00
12,500.0	89.29	89.27	9,029.9	696.8	3,440.8	3,484.5	0.00	0.00	0.00
12,600.0	89.29	89.27	9,031.2	698.1	3,540.8	3,584.3	0.00	0.00	0.00
12,700.0	89.29	89.27	9,032.4	699.4	3,640.8	3,684.1	0.00	0.00	0.00
12,800.0	89.29	89.27	9,033.6	700.7	3,740.8	3,783.8	0.00	0.00	0.00
12,900.0	89.29	89.27	9,034.9	701.9	3,840.8	3,883.6	0.00	0.00	0.00
13,000.0	89.29	89.27	9,036.1	703.2	3,940.8	3,983.4	0.00	0.00	0.00
13,100.0	89.29	89.27	9,037.4	704.5	4,040.7	4,083.2	0.00	0.00	0.00
13,200.0	89.29	89.27	9,038.6	705.7	4,140.7	4,183.0	0.00	0.00	0.00
13,300.0	89.29	89.27	9,039.9	707.0	4,240.7	4,282.8	0.00	0.00	0.00
13,400.0	89.29	89.27	9,041.1	708.3	4,340.7	4,382.5	0.00	0.00	0.00
13,500.0	89.29	89.27	9,042.3	709.6	4,440.7	4,482.3	0.00	0.00	0.00
13,600.0	89.29	89.27	9,043.6	710.8	4,540.7	4,582.1	0.00	0.00	0.00
13,700.0	89.29	89.27	9,044.8	712.1	4,640.7	4,681.9	0.00	0.00	0.00
13,800.0	89.29	89.27	9,046.1	713.4	4,740.6	4,781.7	0.00	0.00	0.00
13,900.0	89.29	89.27	9,047.3	714.7	4,840.6	4,881.4	0.00	0.00	0.00
14,000.0	89.29	89.27	9,048.6	715.9	4,940.6	4,981.2	0.00	0.00	0.00
14,100.0	89.29	89.27	9,049.8	717.2	5,040.6	5,081.0	0.00	0.00	0.00
14,173.4	89.29	89.27	9,050.7	718.1	5,114.0	5,154.3	0.00	0.00	0.00
PPP2: 2308' FSL & 0' FEL									
14,200.0	89.29	89.27	9,051.0	718.5	5,140.6	5,180.8	0.00	0.00	0.00
14,300.0	89.29	89.27	9,052.3	719.8	5,240.6	5,280.6	0.00	0.00	0.00
14,400.0	89.29	89.27	9,053.5	721.0	5,340.5	5,380.4	0.00	0.00	0.00
14,500.0	89.29	89.27	9,054.8	722.3	5,440.5	5,480.1	0.00	0.00	0.00
14,600.0	89.29	89.27	9,056.0	723.6	5,540.5	5,579.9	0.00	0.00	0.00
14,700.0	89.29	89.27	9,057.2	724.9	5,640.5	5,679.7	0.00	0.00	0.00
14,800.0	89.29	89.27	9,058.5	726.1	5,740.5	5,779.5	0.00	0.00	0.00
14,900.0	89.29	89.27	9,059.7	727.4	5,840.5	5,879.3	0.00	0.00	0.00

Planning Report

Database: Hobbs
 Company: Mewbourne Oil Company
 Project: Eddy County, New Mexico NAD 83
 Site: Wolfman 5/4 WOLI Fed Com #1H
 Well: Sec 5, T23S, R27E
 Wellbore: BHL: 2308' FSL & 330' FEL, Sec 4
 Design: Design #1

Local Co-ordinate Reference:
 TVD Reference:
 MD Reference:
 North Reference:
 Survey Calculation Method:

Site Wolfman 5/4 WOLI Fed Com #1H
 WELL @ 3216.0usft (Original Well Elev)
 WELL @ 3216.0usft (Original Well Elev)
 Grid
 Minimum Curvature

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)
15,000.0	89.29	89.27	9,061.0	728.7	5,940.4	5,979.1	0.00	0.00	0.00
15,100.0	89.29	89.27	9,062.2	730.0	6,040.4	6,078.8	0.00	0.00	0.00
15,200.0	89.29	89.27	9,063.5	731.2	6,140.4	6,178.6	0.00	0.00	0.00
15,300.0	89.29	89.27	9,064.7	732.5	6,240.4	6,278.4	0.00	0.00	0.00
15,400.0	89.29	89.27	9,065.9	733.8	6,340.4	6,378.2	0.00	0.00	0.00
15,478.6	89.29	89.27	9,066.9	734.8	6,419.0	6,456.6	0.00	0.00	0.00
PPP3: 2308' FSL & 1305' FWL									
15,500.0	89.29	89.27	9,067.2	735.0	6,440.4	6,478.0	0.00	0.00	0.00
15,600.0	89.29	89.27	9,068.4	736.3	6,540.4	6,577.7	0.00	0.00	0.00
15,700.0	89.29	89.27	9,069.7	737.6	6,640.3	6,677.5	0.00	0.00	0.00
15,800.0	89.29	89.27	9,070.9	738.9	6,740.3	6,777.3	0.00	0.00	0.00
15,900.0	89.29	89.27	9,072.2	740.1	6,840.3	6,877.1	0.00	0.00	0.00
16,000.0	89.29	89.27	9,073.4	741.4	6,940.3	6,976.9	0.00	0.00	0.00
16,100.0	89.29	89.27	9,074.6	742.7	7,040.3	7,076.7	0.00	0.00	0.00
16,200.0	89.29	89.27	9,075.9	744.0	7,140.3	7,176.4	0.00	0.00	0.00
16,300.0	89.29	89.27	9,077.1	745.2	7,240.2	7,276.2	0.00	0.00	0.00
16,400.0	89.29	89.27	9,078.4	746.5	7,340.2	7,376.0	0.00	0.00	0.00
16,500.0	89.29	89.27	9,079.6	747.8	7,440.2	7,475.8	0.00	0.00	0.00
16,600.0	89.29	89.27	9,080.9	749.1	7,540.2	7,575.6	0.00	0.00	0.00
16,700.0	89.29	89.27	9,082.1	750.3	7,640.2	7,675.3	0.00	0.00	0.00
16,783.8	89.29	89.27	9,083.1	751.4	7,724.0	7,759.0	0.00	0.00	0.00
PPP4: 2308' FSL & 2610' FWL									
16,800.0	89.29	89.27	9,083.3	751.6	7,740.2	7,775.1	0.00	0.00	0.00
16,900.0	89.29	89.27	9,084.6	752.9	7,840.1	7,874.9	0.00	0.00	0.00
17,000.0	89.29	89.27	9,085.8	754.2	7,940.1	7,974.7	0.00	0.00	0.00
17,100.0	89.29	89.27	9,087.1	755.4	8,040.1	8,074.5	0.00	0.00	0.00
17,200.0	89.29	89.27	9,088.3	756.7	8,140.1	8,174.3	0.00	0.00	0.00
17,300.0	89.29	89.27	9,089.5	758.0	8,240.1	8,274.0	0.00	0.00	0.00
17,400.0	89.29	89.27	9,090.8	759.3	8,340.1	8,373.8	0.00	0.00	0.00
17,500.0	89.29	89.27	9,092.0	760.5	8,440.1	8,473.6	0.00	0.00	0.00
17,600.0	89.29	89.27	9,093.3	761.8	8,540.0	8,573.4	0.00	0.00	0.00
17,700.0	89.29	89.27	9,094.5	763.1	8,640.0	8,673.2	0.00	0.00	0.00
17,800.0	89.29	89.27	9,095.8	764.3	8,740.0	8,773.0	0.00	0.00	0.00
17,900.0	89.29	89.27	9,097.0	765.6	8,840.0	8,872.7	0.00	0.00	0.00
18,000.0	89.29	89.27	9,098.2	766.9	8,940.0	8,972.5	0.00	0.00	0.00
18,100.0	89.29	89.27	9,099.5	768.2	9,040.0	9,072.3	0.00	0.00	0.00
18,200.0	89.29	89.27	9,100.7	769.4	9,139.9	9,172.1	0.00	0.00	0.00
18,300.0	89.29	89.27	9,102.0	770.7	9,239.9	9,271.9	0.00	0.00	0.00
18,400.0	89.29	89.27	9,103.2	772.0	9,339.9	9,371.6	0.00	0.00	0.00
18,500.0	89.29	89.27	9,104.5	773.3	9,439.9	9,471.4	0.00	0.00	0.00
18,600.0	89.29	89.27	9,105.7	774.5	9,539.9	9,571.2	0.00	0.00	0.00
18,700.0	89.29	89.27	9,106.9	775.8	9,639.9	9,671.0	0.00	0.00	0.00
18,800.0	89.29	89.27	9,108.2	777.1	9,739.8	9,770.8	0.00	0.00	0.00
18,900.0	89.29	89.27	9,109.4	778.4	9,839.8	9,870.6	0.00	0.00	0.00
19,000.0	89.29	89.27	9,110.7	779.6	9,939.8	9,970.3	0.00	0.00	0.00
19,100.0	89.29	89.27	9,111.9	780.9	10,039.8	10,070.1	0.00	0.00	0.00
19,107.2	89.29	89.27	9,112.0	781.0	10,047.0	10,077.3	0.00	0.00	0.00
BHL: 2308' FSL & 330' FEL, Sec 4									

Planning Report

Database: Hobbs
Company: Mewbourne Oil Company
Project: Eddy County, New Mexico NAD 83
Site: Wolfman 5/4 WOLI Fed Com #1H
Well: Sec 5, T23S, R27E
Wellbore: BHL: 2308' FSL & 330' FEL, Sec 4
Design: Design #1

Local Co-ordinate Reference: Site Wolfman 5/4 WOLI Fed Com #1H
TVD Reference: WELL @ 3216.0usft (Original Well Elev)
MD Reference: WELL @ 3216.0usft (Original Well Elev)
North Reference: Grid
Survey Calculation Method: Minimum Curvature

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
SL: 1650' FSL & 210' FV - plan hits target center - Point	0.00	0.00	0.0	0.0	0.0	484,247.00	576,273.00	32° 19' 52.378 N	104° 13' 12.811 W
KOP @ 8300' - plan hits target center - Point	0.00	0.00	8,300.0	0.0	0.0	484,247.00	576,273.00	32° 19' 52.378 N	104° 13' 12.811 W
FTP: 2111' FSL & 330' F - plan hits target center - Point	0.00	0.00	8,873.2	461.6	120.0	484,708.64	576,393.00	32° 19' 56.945 N	104° 13' 11.407 W
LP: 2308' FSL & 762' FV - plan hits target center - Point	0.00	0.00	8,994.0	660.0	550.0	484,907.00	576,823.00	32° 19' 58.904 N	104° 13' 6.393 W
PPP1: 2308' FSL & 266' - plan hits target center - Point	0.00	0.00	9,017.6	684.2	2,450.0	484,931.21	578,723.00	32° 19' 59.123 N	104° 12' 44.247 W
PPP2: 2308' FSL & 0' FE - plan hits target center - Point	0.00	0.00	9,050.7	718.1	5,114.0	484,965.15	581,387.00	32° 19' 59.428 N	104° 12' 13.195 W
PPP3: 2308' FSL & 130' - plan hits target center - Point	0.00	0.00	9,066.9	734.8	6,419.0	484,981.78	582,692.00	32° 19' 59.576 N	104° 11' 57.985 W
PPP4: 2308' FSL & 261' - plan hits target center - Point	0.00	0.00	9,083.1	751.4	7,724.0	484,998.40	583,997.00	32° 19' 59.724 N	104° 11' 42.774 W
BHL: 2308' FSL & 330' F - plan hits target center - Point	0.00	0.01	9,112.0	781.0	10,047.0	485,028.00	586,320.00	32° 19' 59.987 N	104° 11' 15.697 W

Wolfman 5/4 WOLI Fed Com #1H

