

16003  
EXHIBIT



**TRACT OWNERSHIP**  
**Night Ranger 28 W2AP Fee #1H & Night Ranger 28 W0AP Fee #2H**  
**E/2 of Section 28, T23S, R28E, Eddy County, NM**

Mewbourne Oil Company	34.728125%
Marathon Oil Permian	27.834375%
COG Production, LLC	11.568750%
MRC Permian Company	11.721875%
Burnett Oil Company	8.543750%
EnergyQuest II, LLC	5.603125%
BNSF Railway Company*	
<b>Total</b>	<b>100.000000%</b>

\*Indicates the entity being pooled. Even though BNSF claimed a mineral interest in our early communication, further title research has indicated that BNSF does not own a mineral interest in the E/2 of Section 28. We are pooling the interest out of an abundance of caution.

EXHIBIT

2

**Summary of Communications**  
**Night Ranger 28 Prospect**  
**E/2 of Section 28, T23S, R28E, Eddy County, NM**

1. 8-29-2017, sent well proposal for both Night Ranger 28 wells to BNSF Railway Company.
2. 12-19-2017, emailed Jennifer Kindred with Farmer's National Company (Agent for BNSF) with offer to lease the interest.
3. 1-5-2018, Jennifer Kindred emailed me regarding their requirements to lease the interest, along with BNSF's lease form.
4. 1-8-2018, I responded to Jennifer's email explaining BNSF's lease form contained provisions that were unacceptable as they were overly burdensome on the Lessee.
5. 1-8-2018, Jennifer emailed me to inquire if Mewbourne had filed for pooling at this point.
6. 1-9-2018, I emailed Jennifer explaining we had not yet filed for pooling and that we preferred to work out a lease with BNSF.
7. 1-18-2018, I called and left a voicemail for Jennifer regarding lease form changes requested by Mewbourne to BNSF's lease.
8. 1-18-2018, I emailed Jennifer regarding Mewbourne's changes to BNSF's lease form.
9. 1-18-2018, Jennifer emailed me back about the lease changes Mewbourne requested for the BNSF lease.
10. 1-22-2018, I emailed Jennifer about getting Mewbourne's general council and BNSF's general council together to negotiate a lease.
11. 1-29-2018, I emailed Jennifer about getting Mewbourne's general council and BNSF's general council together to negotiate a lease.
12. 1-30-2018, Jennifer emailed me regarding getting both companies general council together.
13. 2-5-2018, our title attorney explained to me over the phone that he does not show BNSF Railway Company with a mineral interest in the E/2 of Section 28.



# MEWBOURNE OIL COMPANY

500 West Texas, Suite 1020

Midland, Texas 79701

Phone (432) 682-3715

Fax (432) 685-4170

August 29, 2017

Via Certified Mail

BNSF Railway Company  
2500 Lou Menk Drive  
AOB-3, Fort Worth, TX 76131  
Attn: Blaine Bilderback

Re: Night Ranger 28 W2AP Fee #1H  
220' FNL & 330' FEL (SL)  
330' FSL & 330' FEL (BHL)  
E/2 of Section 28, T23S, R28E  
Eddy County, New Mexico

Ladies and Gentlemen:

Mewbourne Oil Company ("Mewbourne") as Operator hereby proposes to form a 320.00 acre Working Interest Unit ("WIU") covering the E/2 of the referenced Section 28 for oil and gas production. The targeted interval for the proposed unit is the Wolfcamp formation.

Mewbourne Oil Company ("Mewbourne") as Operator hereby proposes to drill the referenced 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 10,511 feet subsurface to evaluate the Wolfcamp Formation. The proposed well will have a measured depth (MD) of approximately 15,025 feet. The E/2 of the referenced Section 28 will be dedicated to the well as the proration unit.

Regarding the above enclosed for your further handling is our AFE dated June 29, 2017 for the above referenced proposed well. Also enclosed is a copy of our Operating Agreement dated July 1, 2017. In the event BNSF Railway Company elects to participate in the proposed WIU and well, please execute the enclosed AFE and return to me within thirty (30) days. I will provide extra signature pages to the Operating Agreement should BNSF Railway Company elect to participate.

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

Very truly yours,

MEWBOURNE OIL COMPANY



Tyler Jolly  
Landman

# MEWBOURNE OIL COMPANY

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

August 29, 2017

Via Certified Mail

BNSF Railway Company  
2500 Lou Menk Drive  
AOB-3, Fort Worth, TX 76131  
Attn: Blaine Bilderback

Re: Night Ranger 28 W0AP Fee #2H  
220' FNL & 380' FEL (SL)  
330' FSL & 380' FEL (BHL)  
E/2 of Section 28, T23S, R28E  
Eddy County, New Mexico

Ladies and Gentlemen:

Mewbourne Oil Company ("Mewbourne") as Operator hereby proposes to form a 320.00 acre Working Interest Unit ("WIU") covering the E/2 of the referenced Section 28 for oil and gas production. The targeted interval for the proposed unit is the Wolfcamp formation.

Mewbourne Oil Company ("Mewbourne") as Operator hereby proposes to drill the referenced 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 9,573 feet subsurface to evaluate the Wolfcamp Formation. The proposed well will have a measured depth (MD) of approximately 14,153 feet. The E/2 of the referenced Section 28 will be dedicated to the well as the proration unit.

Regarding the above enclosed for your further handling is our AFE dated June 29, 2017 for the above referenced proposed well. Also enclosed is a copy of our Operating Agreement dated July 1, 2017. In the event BNSF Railway Company elects to participate in the proposed WIU and well, please execute the enclosed AFE and return to me within thirty (30) days. I will provide extra signature pages to the Operating Agreement should BNSF Railway Company elect to participate.

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

Very truly yours,

MEWBOURNE OIL COMPANY



Tyler Jolly  
Landman



Date: September 5, 2017

Simple Certified:

The following is in response to your September 5, 2017 request for delivery information on your Certified Mail™/RRE item number 9402810699945025318542. The delivery record shows that this item was delivered on September 5, 2017 at 12:50 pm in FORT WORTH, TX 76131. The scanned image of the recipient information is provided below.

Signature of Recipient :

A handwritten signature in black ink, appearing to be "Blaine Bilderback", written over a horizontal line.

Address of Recipient :

2501 Lou Menk Dr  
76131

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: Blaine Bilderback  
BNSF Railway Company  
2500 LOU MENK DR  
AOB-3  
FORT WORTH, TX 76131  
Reference #: Night Ranger 28 W2AP No1H TJ  
Item ID: Night Ranger 28 W2AP No1H

## Tyler Jolly

---

**From:** JKindred@farmersnational.com  
**Sent:** Thursday, January 18, 2018 10:53 AM  
**To:** Tyler Jolly  
**Subject:** RE: Well Proposal E/2 of Section 28, T23S, R28E, Eddy County, NM

Hi Tyler,

I am so sorry. Been trying to get reports out and was on a call when I missed you this morning. Give me until mid day tomorrow, and I will be ready to go through your requested changes.

Thank you,

Jennifer Kindred  
Mineral Manager  
Farmers National Company  
5110 S. Yale, Suite 400  
Tulsa, OK 74135  
Phone: (918) 895-8037  
Fax: (918) 398-5901  
jkindred@farmersnational.com

From: Tyler Jolly <tjolly@mewbourne.com>  
To: "JKindred@farmersnational.com" <JKindred@farmersnational.com>  
Date: 01/18/2018 10:02 AM  
Subject: RE: Well Proposal E/2 of Section 28, T23S, R28E, Eddy County, NM

---

Jennifer,

Just following up my voicemail, Thursday the 18<sup>th</sup> of January, to get your thoughts our MOC's requested changes to the BNSF lease form. Please contact me at your earliest convenience.

Thanks,

**Tyler Jolly**  
**Mewbourne Oil Company**  
500 West Texas, Suite 1020,  
Midland, TX 79701  
Ph: 432-682-3715 / Fax: 432-685-4170

**From:** Tyler Jolly  
**Sent:** Monday, January 15, 2018 9:12 AM  
**To:** 'JKindred@farmersnational.com'  
**Subject:** RE: Well Proposal E/2 of Section 28, T23S, R28E, Eddy County, NM

Jennifer,

See attached revised BNSF Oil and Gas Lease. We would like to use our NM pooling language and Continuous Development, which is

also attached. Please give me a shout and we can review the changes.

Thanks,

**Tyler Jolly**  
**Mewbourne Oil Company**  
500 West Texas, Suite 1020,  
Midland, TX 79701  
Ph: 432-682-3715 / Fax: 432-685-4170

**From:** [JKindred@farmersnational.com](mailto:JKindred@farmersnational.com)[mailto:[JKindred@farmersnational.com](mailto:JKindred@farmersnational.com)]  
**Sent:** Tuesday, January 09, 2018 11:08 AM  
**To:** Tyler Jolly  
**Subject:** Re: Well Proposal E/2 of Section 28, T23S, R28E, Eddy County, NM

Jennifer Kindred  
Mineral Manager  
Farmers National Company  
5110 S. Yale, Suite 400  
Tulsa, OK 74135  
Phone: (918) 895-8037  
Fax: (918) 398-5901  
[jkindred@farmersnational.com](mailto:jkindred@farmersnational.com)

From: Tyler Jolly <[tjolly@mewbourne.com](mailto:tjolly@mewbourne.com)>  
To: "[JKindred@farmersnational.com](mailto:JKindred@farmersnational.com)" <[JKindred@farmersnational.com](mailto:JKindred@farmersnational.com)>  
Date: 01/09/2018 10:56 AM  
Subject: Re: Well Proposal E/2 of Section 28, T23S, R28E, Eddy County, NM

---

Jennifer,

Following up my phone call, we have not filed for pooling at this point. We are wanting to work with you guys. Please give me a shout at your earliest convenience.

Tyler

Sent from my iPhone

On Jan 9, 2018, at 10:29 AM, "[JKindred@farmersnational.com](mailto:JKindred@farmersnational.com)" <[JKindred@farmersnational.com](mailto:JKindred@farmersnational.com)> wrote:

Hello Tyler,

Have you already filed pooling application?



Jennifer Kindred  
Mineral Manager  
Farmers National Company  
5110 S. Yale, Suite 400  
Tulsa, OK 74135  
Phone: (918) 895-8037  
Fax: (918) 398-5901  
[jkindred@farmersnational.com](mailto:jkindred@farmersnational.com)

From: Tyler Jolly <[tjolly@mewbourne.com](mailto:tjolly@mewbourne.com)>  
To: "[JKindred@farmersnational.com](mailto:JKindred@farmersnational.com)" <[JKindred@farmersnational.com](mailto:JKindred@farmersnational.com)>  
Date: 01/08/2018 03:56 PM  
Subject: RE: Well Proposal E/2 of Section 28, T23S, R28E, Eddy County, NM

---

Jennifer,

After reviewing the lease, we cannot accept the provisions the lease contains. Please see attached Mewbourne's specific New Mexico lease form with continuous development. If agreeable, please let me know.

Thanks,

**Tyler Jolly**  
**Mewbourne Oil Company**  
500 West Texas, Suite 1020,  
Midland, TX 79701  
Ph: 432-682-3715 / Fax: 432-685-4170

**From:** [JKindred@farmersnational.com](mailto:JKindred@farmersnational.com) [<mailto:JKindred@farmersnational.com>]  
**Sent:** Friday, January 05, 2018 10:56 AM  
**To:** Tyler Jolly  
**Subject:** Re: Well Proposal E/2 of Section 28, T23S, R28E, Eddy County, NM

Good morning Tyler,

It was a pleasure speaking with you this morning. As promised, please see BNSF's lease form attached, for your review. Let me know if you have any questions, and I will look forward to getting your response!

As far as other items needed for the railroad lease submission, the are as follows:

- Lessee information as needed on lease
- Legal description as needed on lease
- Source deeds
- Plat map
- 

Also, please be advised we do require a memorandum be recorded in lieu of lease everytime. I look forward to working with you.

Thank you,

Jennifer Kindred  
Mineral Manager  
Farmers National Company  
5110 S. Yale, Suite 400  
Tulsa, OK 74135  
Phone: (918) 895-8037  
Fax: (918) 398-5901  
[jkindred@farmersnational.com](mailto:jkindred@farmersnational.com)

From: Tyler Jolly <[tjolly@mewbourne.com](mailto:tjolly@mewbourne.com)>  
To: "[jkindred@farmersnational.com](mailto:jkindred@farmersnational.com)" <[jkindred@farmersnational.com](mailto:jkindred@farmersnational.com)>  
Date: 12/19/2017 03:25 PM  
Subject: Well Proposal E/2 of Section 28, T23S, R28E, Eddy County, NM

---

Ms. Kindred,

I am contacting you regarding the well proposal I sent BNSF Railway Company August 29, 2017 covering the above referenced lands attached hereto. In lieu of participating, Mewbourne hereby offers [REDACTED] per net mineral acre for a three (3) year lease, delivering a 75% net revenue interest. This offer is subject to review of title and final management approval of lease form. Please contact me if you have any questions or need additional information.

**Tyler Jolly**  
**Mewbourne Oil Company**  
500 West Texas, Suite 1020,  
Midland, TX 79701  
Ph: 432-682-3715 / Fax: 432-685-4170

---

This email has been scanned by the Symantec Email Security.cloud service.  
For more information please visit <http://www.symanteccloud.com>

[attachment "(BNSF Railway Company) Well Proposal Night Ranger 28 W2AP Fee #1H.doc" deleted by Jennifer Kindred/Farmers-National] [attachment "(BNSF Railway Company) Night Ranger 28 W2AP Fee #1H AFE.xls" deleted by Jennifer Kindred/Farmers-National] [attachment "(BNSF Railway Company) Well Proposal Night Ranger 28 W0AP Fee #2H.doc" deleted by Jennifer Kindred/Farmers-National] [attachment "(BNSF Railway Company) Night Ranger 28 W0AP Fee #2H.xls" deleted by Jennifer Kindred/Farmers-National]

\*\*\*\*\*

This email and any files transmitted with it are confidential and intended solely for the use of the individual or entity to whom they are addressed. If you have received this email in error please notify the system manager. Please note that any views or opinions presented in this email are solely those of the author and do not

necessarily represent those of the Farmers National Company. Finally, the recipient should check this email and any attachments for the presence of viruses. Farmers National Company accepts no liability for any damage caused by any virus transmitted by this email..

\*\*\*\*\*

---

This email has been scanned by the Symantec Email Security.cloud service.  
For more information please visit <http://www.symanteccloud.com>

[attachment "OGL  
BNSF Railway Company Section 28, T23S, R28E; 1-1-2018.docx" deleted by Jennifer Kindred/Farmers-  
National]

\*\*\*\*\*

This email and any files transmitted with it are confidential and intended solely for the use of the individual or entity to whom they are addressed. If you have received this email in error please notify the system manager. Please note that any views or opinions presented in this email are solely those of the author and do not necessarily represent those of the Farmers National Company. Finally, the recipient should check this email and any attachments for the presence of viruses. Farmers National Company accepts no liability for any damage caused by any virus transmitted by this email..

\*\*\*\*\*

---

This email has been scanned by the Symantec Email Security.cloud service.  
For more information please visit <http://www.symanteccloud.com>

---

\*\*\*\*\*

This email and any files transmitted with it are confidential and intended solely for the use of the individual or entity to whom they are addressed. If you have received this email in error please notify the system manager. Please note that any views or opinions presented in this email are solely those of the author and do not necessarily represent those of the Farmers National Company. Finally, the recipient should check this email and any attachments for the presence of viruses. Farmers National Company accepts no liability for any damage caused by any virus transmitted by this email..

\*\*\*\*\*

---

This email has been scanned by the Symantec Email Security.cloud service.  
For more information please visit <http://www.symanteccloud.com>

---

\*\*\*\*\*

This email and any files transmitted with it are confidential and intended solely for the use of the individual or entity to whom they are addressed. If you have received this email in error please notify the system manager. Please note that any views or opinions presented in this email are solely those of the author and do not necessarily represent those of the Farmers National Company. Finally, the recipient should check this email and any attachments for the presence of viruses. Farmers National Company accepts no liability for any damage caused by any virus transmitted by this email..

\*\*\*\*\*



## Tyler Jolly

---

**From:** JKindred@farmersnational.com  
**Sent:** Tuesday, January 30, 2018 11:04 AM  
**To:** Tyler Jolly  
**Cc:** Reagan Butts  
**Subject:** Re: FW: BNSF Lease Night Ranger 28 Prospect

Thank you! We are supposed to have someone fixing our phone lines today. I will be in touch.

Jennifer Kindred  
Mineral Manager  
Farmers National Company  
5110 S. Yale, Suite 400  
Tulsa, OK 74135  
Phone: (918) 895-8037  
Fax: (918) 398-5901  
[jkindred@farmersnational.com](mailto:jkindred@farmersnational.com)

From: Tyler Jolly <[tjolly@mewbourne.com](mailto:tjolly@mewbourne.com)>  
To: "JKindred@farmersnational.com" <[JKindred@farmersnational.com](mailto:JKindred@farmersnational.com)>  
Cc: Reagan Butts <[rbutts@mewbourne.com](mailto:rbutts@mewbourne.com)>  
Date: 01/30/2018 10:52 AM  
Subject: FW: BNSF Lease Night Ranger 28 Prospect

---

**From:** Tyler Jolly  
**Sent:** Monday, January 22, 2018 3:14 PM  
**To:** 'JKindred@farmersnational.com'  
**Cc:** Reagan Butts  
**Subject:** BNSF Lease Night Ranger 28 Prospect

Jennifer,

As discussed, I feel that Reagan Butts, our general council, can better answer your questions and address your concerns about the insurance provision in BNSF's lease. It sounds like Mewbourne actually has more than enough coverage for BNSF's requirements, but the insurance is structured in a different way. I have CC'd Reagan in this email. Feel free to call him at (903) 561-2900 and ask for Reagan or email him at the above email address.

Thanks,

**Tyler Jolly**  
**Mewbourne Oil Company**  
500 West Texas, Suite 1020,  
Midland, TX 79701

## Tyler Jolly

---

**From:** JKindred@farmersnational.com  
**Sent:** Tuesday, January 30, 2018 10:46 AM  
**To:** Tyler Jolly  
**Subject:** RE: BNSF Lease Night Ranger 28 Prospect

Hi Tyler,

Our phone lines are down. I never saw an email with your council's contact information. Do you want to go a different route?

Jennifer Kindred  
Mineral Manager  
Farmers National Company  
5110 S. Yale, Suite 400  
Tulsa, OK 74135  
Phone: (918) 895-8037  
Fax: (918) 398-5901  
[jkindred@farmersnational.com](mailto:jkindred@farmersnational.com)

From: Tyler Jolly <[tjolly@mewbourne.com](mailto:tjolly@mewbourne.com)>  
To: "[JKindred@farmersnational.com](mailto:JKindred@farmersnational.com)" <[JKindred@farmersnational.com](mailto:JKindred@farmersnational.com)>  
Date: 01/29/2018 04:33 PM  
Subject: RE: BNSF Lease Night Ranger 28 Prospect

---

Jennifer,

Please contact me about negotiating the Section 28 lease.

Thanks,

**Tyler Jolly**  
**Mewbourne Oil Company**  
500 West Texas, Suite 1020,  
Midland, TX 79701  
Ph: 432-682-3715 / Fax: 432-685-4170

**From:** Tyler Jolly  
**Sent:** Monday, January 22, 2018 3:14 PM  
**To:** 'JKindred@farmersnational.com'  
**Cc:** Reagan Butts  
**Subject:** BNSF Lease Night Ranger 28 Prospect

Jennifer,

As discussed, I feel that Reagan Butts, our general council, can better answer your questions and address your concerns about the

insurance provision in BNSF's lease. It sounds like Mewbourne actually has more than enough coverage for BNSF's requirements, but the insurance is structured in a different way. I have CC'd Reagan in this email. Feel free to call him at (903) 561-2900 and ask for Reagan or email him at the above email address.

Thanks,

**Tyler Jolly**

**Mewbourne Oil Company**

500 West Texas, Suite 1020,

Midland, TX 79701

Ph: 432-682-3715 / Fax: 432-685-4170

---

This email has been scanned by the Symantec Email Security.cloud service.  
For more information please visit <http://www.symanteccloud.com>

---

\*\*\*\*\*

This email and any files transmitted with it are confidential and intended solely for the use of the individual or entity to whom they are addressed. If you have received this email in error please notify the system manager. Please note that any views or opinions presented in this email are solely those of the author and do not necessarily represent those of the Farmers National Company. Finally, the recipient should check this email and any attachments for the presence of viruses. Farmers National Company accepts no liability for any damage caused by any virus transmitted by this email..

\*\*\*\*\*

**MEWBOURNE OIL COMPANY**  
**AUTHORIZATION FOR EXPENDITURE**

<b>Well Name:</b> Night Ranger 28 W0AP Fee #2H		<b>Prospect:</b> 1st Wolfcamp	
<b>Location:</b> SL: 220' FNL & 380' FEL; BHL: 330' FSL & 380' FEL		<b>County:</b> Eddy	<b>ST:</b> NM
<b>Sec.</b> 28	<b>Blk:</b>	<b>Survey:</b>	<b>TWP:</b> 23S <b>RNG:</b> 28E <b>Prop. TVD:</b> 9573' <b>TMD:</b> 14153'

INTANGIBLE COSTS 0180	CODE	TCP	CODE	CC
Regulatory Permits & Surveys	0180-0100	\$5,000	0180-0200	
Location / Road / Site / Preparation	0180-0105	\$60,000	0180-0205	\$10,000
Location / Restoration	0180-0106	\$175,000	0180-0206	
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	\$54,300		
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	\$168,000
Casing / Tubing / Snubbing Service Coil Tbg/Toe Prep	0180-0134	\$20,000	0180-0234	\$50,000
Mud Logging	0180-0137	\$20,000		
Stimulation 28 Stg 10.8 MM gal x 10.8 MM #			0180-0241	\$1,810,000
Stimulation Rentals & Other			0180-0242	\$100,000
Water & Other	0180-0145	\$40,000	0180-0245	\$350,000
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	\$80,000		
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	\$15,000
Directional Services Includes Vertical control	0180-0175	\$137,000		
Equipment Rental	0180-0180	\$124,500	0180-0280	\$40,000
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		0180-0290	
ROW & Easements	0180-0192	\$30,000	0180-0292	\$5,000
Pipeline Interconnect			0180-0293	
Company Supervision	0180-0195	\$91,500	0180-0295	\$60,000
Overhead Fixed Rate	0180-0196	\$10,000	0180-0296	\$20,000
Well Abandonment	0180-0198		0180-0298	
Contingencies 10% (TCP) 10% (CC)	0180-0199	\$160,500	0180-0299	\$285,600
<b>TOTAL</b>		<b>\$1,765,800</b>		<b>\$3,141,200</b>

TANGIBLE COSTS 0181	CODE	TCP	CODE	CC
Casing (19.1" - 30")	0181-0793			
Casing (10.1" - 19.0") 275' - 13 3/8" 54.5# J-55 ST&C @ \$35.71/ft	0181-0794	\$10,500		
Casing (8.1" - 10.0") 2525' - 9 5/8" 40# N-80 LT&C @ \$29.98/ft	0181-0795	\$80,500		
Casing (6.1" - 8.0") 9800' - 7" 29# P-110 LT&C @ \$27.76/ft	0181-0796	\$289,100		
Casing (4.1" - 6.0") 5058' - 4 1/2" 13.5# P-110 LT&C @ \$11.92/ft			0181-0797	\$64,100
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 1/2 VRU & 1/2 SWD transfer pump			0181-0886	\$30,000
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/1/2 GB			0181-0895	\$40,000
Heater Treaters, Line Heaters 6'x20'x75# HT			0181-0897	\$15,000
Metering Equipment			0181-0898	\$6,000
Line Pipe & Valves - Gathering			0181-0900	\$10,000
Fittings / Valves & Accessories			0181-0906	\$70,000
Cathodic Protection			0181-0908	\$4,000
Electrical Installation			0181-0909	\$50,000
Equipment Installation			0181-0910	\$40,000
Pipeline Construction			0181-0920	\$15,000
<b>TOTAL</b>		<b>\$420,100</b>		<b>\$517,100</b>
<b>SUBTOTAL</b>		<b>\$2,185,900</b>		<b>\$3,658,300</b>

**TOTAL WELL COST \$5,844,200**

**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.

<b>Prepared by:</b> R. Terrell		<b>Date:</b> 6/28/2017
<b>Company Approval:</b> <i>m. whitte</i>		<b>Date:</b> 6/29/2017
<b>Joint Owner Interest:</b> _____	<b>Amount:</b> _____	<b>Signature:</b> _____
<b>Joint Owner Name:</b> _____		



MEWBOURNE OIL COMPANY  
AUTHORIZATION FOR EXPENDITURE

Well Name: Night Ranger 28 W2AP Fee #1H Prospect: 2nd Wolfcamp  
Location: SL: 220' FNL & 330' FEL; BHL: 330' FSL & 330' FEL County: Eddy ST: NM  
Sec. 28 Blk: Survey: TWP: 23S RNG: 28E Prop. TVD: 10511' TMD: 15025'

INTANGIBLE COSTS 0180		CODE	TCP	CODE	CC
Regulatory Permits & Surveys		0180-0100	\$5,000	0180-0200	
Location / Road / Site / Preparation		0180-0105	\$60,000	0180-0205	\$10,000
Location / Restoration		0180-0106	\$200,000	0180-0206	\$30,000
Daywork / Turnkey / Footage Drilling	21 days drlg / 3 days comp @ \$19,000/d	0180-0110	\$424,000	0180-0210	\$60,600
Fuel	1500 gal/day @ \$1.89/gal	0180-0114	\$72,300		
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	\$50,000
Mud Logging		0180-0137	\$20,000		
Stimulation	28 Stg 10.8 MM gal x 10.8 MM #			0180-0241	\$1,777,000
Stimulation Rentals & Other				0180-0242	\$100,000
Water & Other		0180-0145	\$40,000	0180-0245	\$350,000
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	\$80,000		
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	\$15,000
Directional Services	Includes Vertical control	0180-0175	\$165,000		
Equipment Rental		0180-0180	\$145,100	0180-0280	\$40,000
Well / Lease Legal		0180-0184	\$5,000	0180-0284	
Well / Lease Insurance		0180-0185	\$4,700	0180-0285	
Intangible Supplies		0180-0188	\$80,000	0180-0288	\$1,000
Damages		0180-0190		0180-0290	
ROW & Easements		0180-0192	\$30,000	0180-0292	\$5,000
Pipeline Interconnect				0180-0293	
Company Supervision		0180-0195	\$106,300	0180-0295	\$60,000
Overhead Fixed Rate		0180-0196	\$10,000	0180-0296	\$20,000
Well Abandonment		0180-0198		0180-0298	
Contingencies	10% (TCP) 10% (CC)	0180-0199	\$184,400	0180-0299	\$284,700
TOTAL			\$2,028,800		\$3,131,300
TANGIBLE COSTS 0181					
Casing (19.1" - 30")		0181-0793			
Casing (10.1" - 19.0")	275' - 13 3/8" 54.5# J-55 ST&C @ \$35.71/ft	0181-0794	\$10,500		
Casing (8.1" - 10.0")	2525' - 9 5/8" 40# N-80 LT&C @ \$29.98/ft	0181-0795	\$80,500		
Casing (6.1" - 8.0")	10612' - 7" 29# P-110 LT&C @ \$27.76/ft	0181-0796	\$313,100		
Casing (4.1" - 6.0")	5113' - 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	1/2 VRU & 1/2 SWD transfer pump			0181-0886	\$30,000
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/1/2GB			0181-0895	\$40,000
Heater Treaters, Line Heaters	6'x20'x75# HT			0181-0897	\$15,000
Metering Equipment				0181-0898	\$6,000
Line Pipe & Valves - Gathering				0181-0900	\$10,000
Fittings / Valves & Accessories				0181-0906	\$70,000
Cathodic Protection				0181-0908	\$4,000
Electrical Installation				0181-0909	\$50,000
Equipment Installation				0181-0910	\$40,000
Pipeline Construction				0181-0920	\$15,000
TOTAL			\$444,100		\$517,800
SUBTOTAL			\$2,472,900		\$3,649,100
TOTAL WELL COST			\$6,122,000		

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: 6/28/2017

Company Approval: *m. whitte* Date: 6/29/2017

Joint Owner Interest: Amount:

Joint Owner Name: Signature:

**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.**

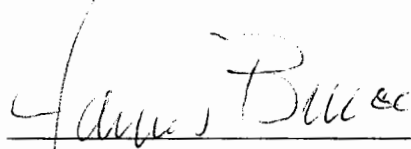
**Case No. 16003**

**AFFIDAVIT OF NOTICE**

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

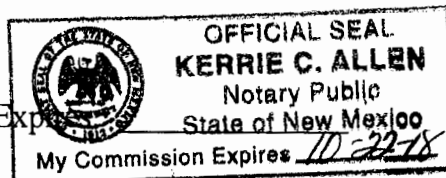
James Bruce, being duly sworn upon his oath, deposes and states:

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

EXHIBIT 6

**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)

[jamesbruce@aol.com](mailto:jamesbruce@aol.com)

February 15, 2018

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

To: Persons on Exhibit A

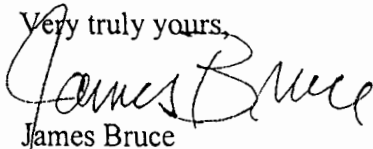
Ladies and gentlemen:

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 E/2 of Section 28, Township 23 South, Range 20 East, NMPM, Eddy County, New Mexico.

This matter is scheduled for hearing at 8:15 a.m. on Thursday, March 8, 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, March 1, 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 

EXHIBIT A

BNSF Railway Company  
Attention: Jennifer Kindred  
Farmers National Company  
Suite 400  
5110 South Yale  
Tulsa, Oklahoma 74135



7017 0190 0000 8402 2814

**U.S. Postal Service™**  
**CERTIFIED MAIL® RECEIPT**  
*Domestic Mail Only*

For delivery information, visit our website at [www.usps.com](http://www.usps.com)®.

Certified Mail Fee

\$

Extra Services & Fees (check box, add fee as appropriate)

☐ Return Receipt (hardcopy) \$  
☐ Return Receipt (electronic) \$  
☐ Certified Mail Restricted Delivery \$  
☐ Adult Signature Required \$  
☐ Adult Signature Restricted Delivery \$

Postmark  
Here

Postage

\$

Total Postage and Fee

\$

Sent To

Street and Apt. No.

City, State, ZIP+4®

BNSF Railway Company  
Attention: Jennifer Kindred  
Farmers National Company  
Suite 400  
5110 South Yale  
Tulsa, Oklahoma 74135

PS Form 3800, April 2015 PSN 7530-02-000-9047

See Reverse for Instructions

**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:**

BNSF Railway Company  
Attention: Jennifer Kindred  
Farmers National Company  
Suite 400  
5110 South Yale  
Tulsa, Oklahoma 74135



9590 9402 3019 7124 7205 69

**2. Article Number (Transfer from service label)**

7017 0190 0000 8402 2814

**COMPLETE THIS SECTION ON DELIVERY**

**A. Signature**

X *J. Hill*

☐ Agent

☐ Addressee

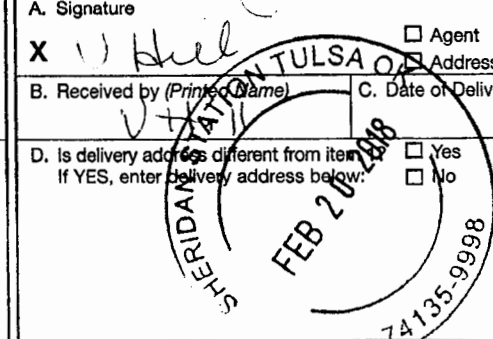
**B. Received by (Printed Name)**

*J. Hill*

**C. Date of Delivery**

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

☐ Priority Mail Express®  
☐ Registered Mail™  
☐ Registered Mail Restricted Delivery  
☐ Return Receipt for Merchandise  
☐ Signature Confirmation™  
☐ Signature Confirmation Restricted Delivery

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

*Night Ranger* Domestic Return Receipt



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



### Horizontal Activity Color Code

Wolfcamp Sand

— Wolfcamp Shale

**Mewbourne Oil Company**

Night Ranger 28 W0AP Fee 2H

### Horizontal Activity Map

Structure Top of WFMP (C.I. 100')

3/2/18	Eddy County	New Mexico
--------	-------------	------------

Geol.: C. Crosby

1:31000

1450 0 1450 2900 4350 us ft



A  
N

3001522670000  
AMOCO PROD CO  
BRANTLEY GAS COM 1  
Datum=3032.00  
1880 FNL 2000 FWT  
TWP: 23 S - Range: 28 E - Sec: 22

4402 R

30015226380000  
MADDOX ENERGY CORP  
PARQUE 27.1  
Datum=3056.00  
1860 FNL 990 FWT  
TWP: 23 S - Range: 28 E - Sec: 27

6072 R

3001523520000  
BELCO PET NIRTH AMER  
CAVALIER 1  
Datum=3096.00  
2310 FNL 1650 FWT  
TWP: 23 S - Range: 28 E - Sec: 28

7623 R

3001522920000  
HNG OIL COMPANY  
PARQUE 34 COM 1  
Datum=3056.00  
2310 FNL 960 FWT  
TWP: 23 S - Range: 28 E - Sec: 34

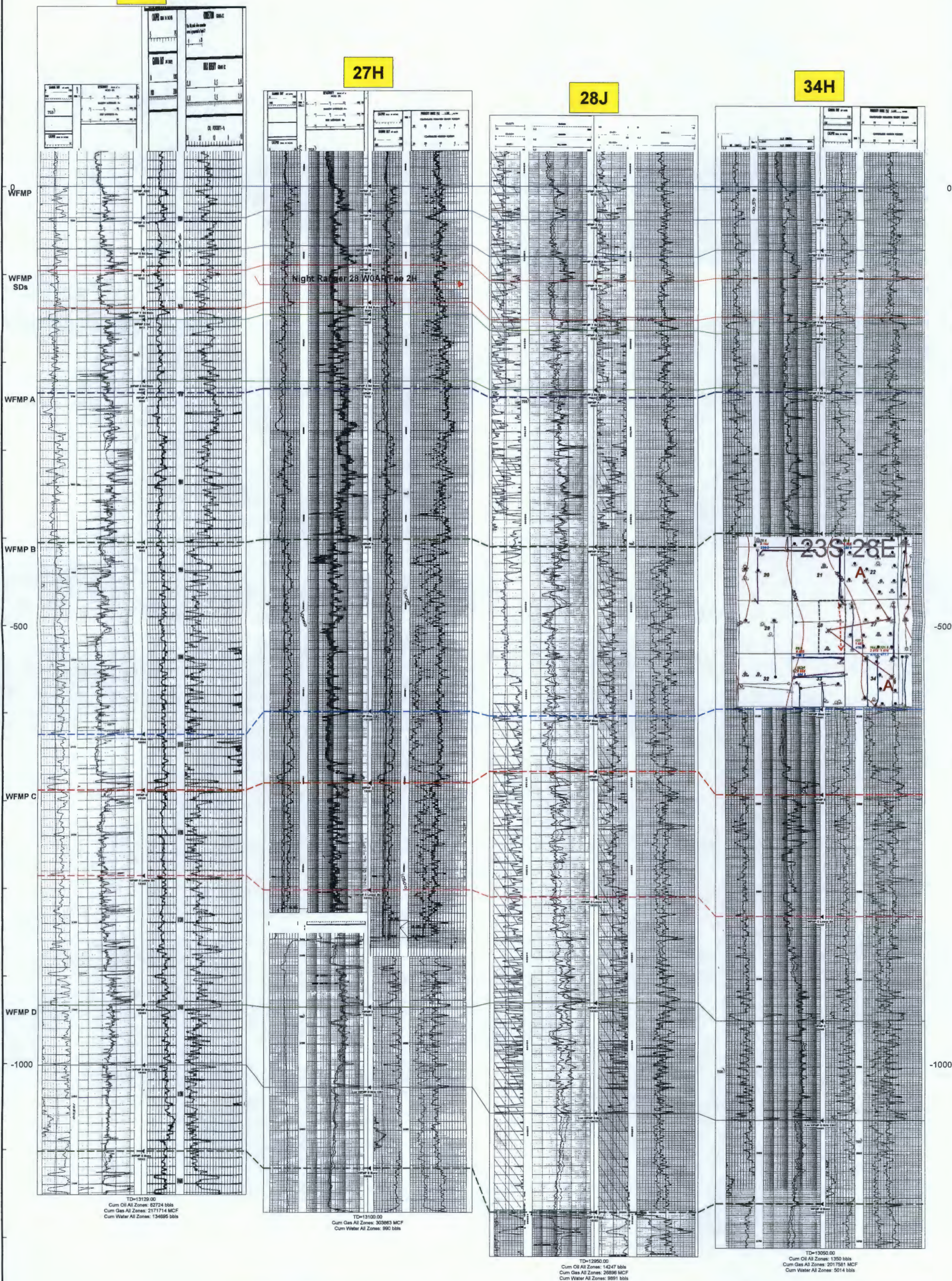
A'  
S

22K

27H

28J

34H



Night Ranger 28 W0AP Fee 2H  
Cross Section Exhibit (A-A')

EXHIBIT

8



**Night Rider Offset Wolfcamp Productin Table**

Well Name	Operator	API	Location	WFMP Comp Date	Cum Oil (Mbo)	Cum Gas (Bcf)	Cum Water (Mbw)	NS/EW	WFMP Zone
Yardbirds 34 W2NC Fee 1H	Mewbourne	3001541309	34N/23S/28E	7/1/2016	164.8	2	475.2	NS	WFMP D Shale
Layla 35 MD Fee 2H	Mewbourne	3001541730	35M/23S/28E	4/2/2014	135.5	1.5	425.5	NS	WFMP D Shale
Speedwagon 27 W2DM Fee 1H	Mewbourne	3001542695	27D/23S/28E	3/29/2016	137.1	1.7	416.4	NS	WFMP D Shale
B Banker 33 23S 28E RB 221H	Matador	3001543306	33A/23S/28E	6/14/2016	77.3	1	429.5	EW	WFMP D Shale
Yardbirds 34 W2OB Fee 1H	Mewbourne	3001543464	34O/23S/28E	6/12/2016	121.9	1.6	471.7	NS	WFMP D Shale
Foreigner 33-4 W2LM Fee 1H	Mewbourne	3001543494	33L/23S/28E	8/14/2016	190.7	1.8	801	NS	WFMP D Shale
Loving Townsite 21 W0PA Fee 2H	Mewbourne	3001543495	28A/23S/28E	6/13/2017	105	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	8/25/2016	159.9	1.9	613.6	NS	WFMP D Shale
B Banker 33 23S 28E RB 226H	Matador	3001543817	33H/23S/28E	8/6/2016	167.9	0.4	658.6	EW	WFMP D Shale
B Banker 33 23S 28E RB 206H	Matador	3001543842	33H/23S/28E	7/17/2017	42	0.6	216.7	EW	WFMP Y Sand
Styx W2PA Fee Com 1H	Mewbourne	3001543950	20A/23S/28E	4/30/2017	64.7	0.8	366.1	NS	WFMP D Shale
El Toro Gigante 23 431H	Rockcliff	3001544089	14M/23S/28E	11/15/2017	28.3	0.2	116.7	NS	WFMP D Shale
B Banker 33 23S 28E RB 201H	Matador	3001544138	33A/23S/28E	7/26/2017	95.5	0.1	327.1	EW	WFMP Y Sand
Whitesnake 20-21 W2BC Fee 1H	Mewbourne	3001543497	20C/23S28E		Pending			EW	WFMP D Shale
Whitesnake 20-21 W0BC Fee 2H	Mewbourne	3001544559	20C/23S/28E		Pending			EW	WFMP Y Sand
Speedwagon 27 W2PA Fee 1H	Mewbourne	3001543097	34A/23S/28E		Pending			NS	WFMP D Shale
Speedwagon 27 W0PA Fee 2H	Mewbourne	3001544115	34A/23S/28E		Pending			NS	WFMP Y Sand

EXHIBIT

9



# Mewbourne Oil Company

## SURVEY CALCULATION REPORT Minimum Curvature Calculations

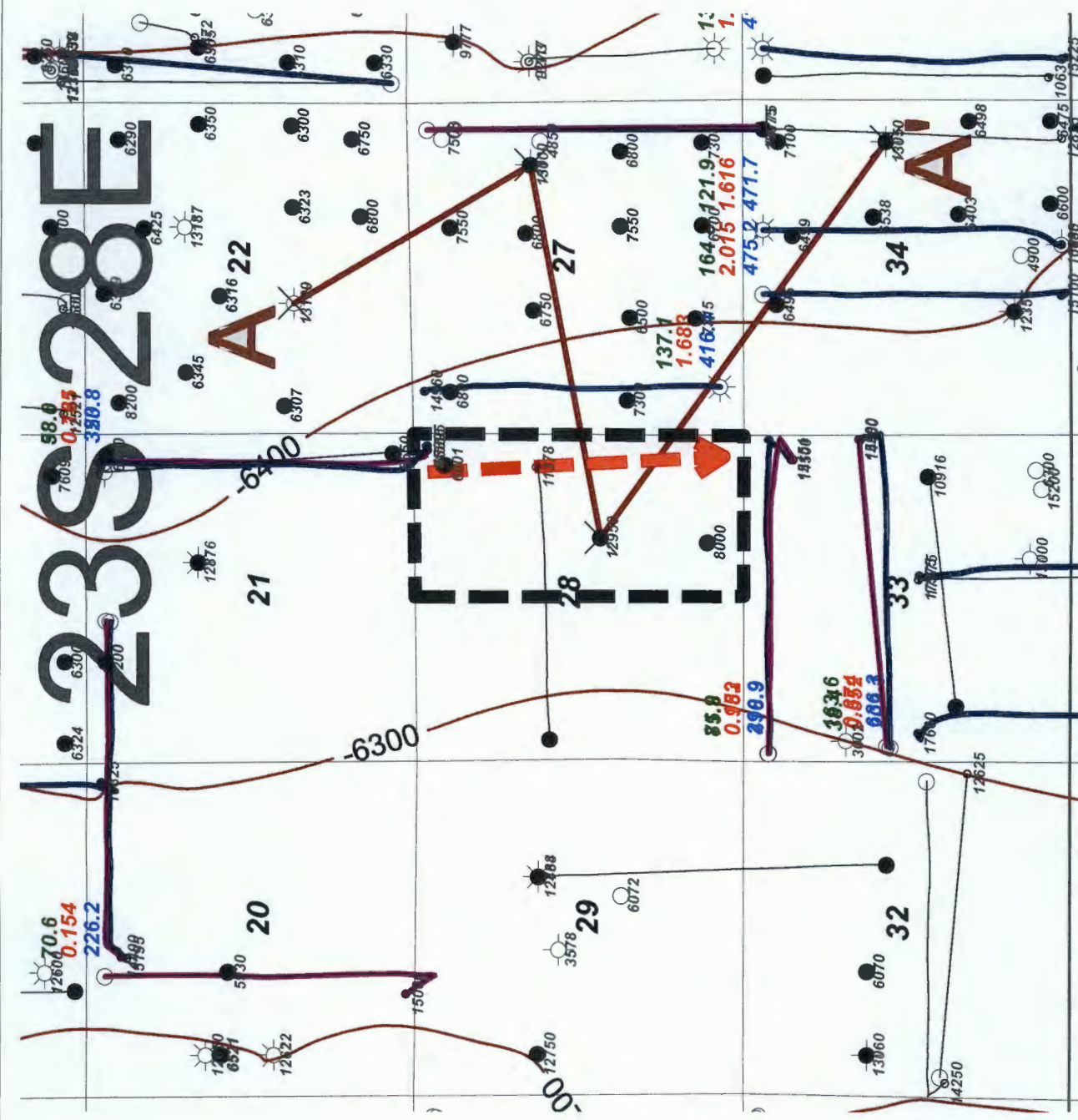
Operator: Mewbourne Oil Company  
Lease Name: Night Ranger 28 W0AP Fee 2H  
KOP 9095.54  
SL: 220 FNL & 650 FEL Sec 28-23S-28E  
BHL: 330 FSL & 330 FEL Sec 28-23S-28E

Target KBTVD: 9,573 Feet 9573.00  
Target Angle: 90.41 Degrees 90.41  
Section Plane: 180.50 Degrees  
Declination Corrected to True North: 6.63 Degrees  
Bit to Survey Offset: 44 Feet

Survey No.	Measured Depth-ft	Drift (Deg.)	Azimuth (Deg.)	Course Length	TVD (Feet)	Vertical Section	+N/-S (Feet)	+E/-W (Feet)	Closure Distance	Closure Direction	BUR	DLS	KBTVD	+Above -Below Target	DRIFT (RADIANS)	AZIMUTH (RADIANS)
T/I	9095.54	0.00	180.50	N/A	9095.5	0.0	0.0	0.0	0.0	0.0	N/A	N/A	9095.5	477.5	1E-12	3.15 #VALUE!
1	9170.88	9.04	180.50	75.3436	9170.6	5.9	-5.9	-0.1	5.9	180.5	12.0	12.0	9170.6	402.4	0.157799235	3.15 0.15779924
2	9246.22	18.08	180.50	75.3436	9243.7	23.6	-23.6	-0.2	23.6	180.5	12.0	12.0	9243.9	329.1	0.31559847	3.15 0.15779924
3	9321.57	27.12	180.50	75.3436	9313.2	52.5	-52.5	-0.5	52.5	180.5	12.0	12.0	9313.6	259.4	0.473397705	3.15 0.15779924
4	9396.91	36.16	180.50	75.3436	9377.3	92.0	-92.0	-0.8	92.0	180.5	12.0	12.0	9378.0	195.0	0.631196941	3.15 0.15779924
5	9472.25	45.21	180.50	75.3436	9434.4	141.1	-141.1	-1.2	141.1	180.5	12.0	12.0	9435.4	137.6	0.788996176	3.15 0.15779924
6	9547.60	54.25	180.50	75.3436	9483.0	198.5	-198.5	-1.7	198.5	180.5	12.0	12.0	9484.4	88.6	0.946795411	3.15 0.15779924
7	9622.94	63.29	180.50	75.3436	9522.0	262.8	-262.8	-2.3	262.8	180.5	12.0	12.0	9523.9	49.1	1.104594646	3.15 0.15779924
8	9698.28	72.33	180.50	75.3436	9550.5	332.5	-332.5	-2.9	332.5	180.5	12.0	12.0	9552.9	20.1	1.262393881	3.15 0.15779924
9	9773.63	81.37	180.50	75.3436	9567.6	405.8	-405.8	-3.6	405.8	180.5	12.0	12.0	9570.5	2.5	1.420193116	3.15 0.15779924
10	9848.97	90.41	180.50	75.3436	9573.0	480.9	-480.9	-4.2	480.9	180.5	12.0	12.0	9576.4	-3.4	1.577992351	3.15 0.15779924
11	9900.00	90.41	180.50	51.029	9572.6	531.9	-531.9	-4.7	531.9	180.5	0.0	0.0	9576.4	-3.4	1.577992351	3.15 1E-10
12	10000.00	90.41	180.50	100	9571.9	631.9	-631.9	-5.6	631.9	180.5	0.0	0.0	9576.4	-3.4	1.577992351	3.15 1E-10
13	10100.00	90.41	180.50	100	9571.2	731.9	-731.9	-6.4	731.9	180.5	0.0	0.0	9576.4	-3.4	1.577992351	3.15 1E-10
14	10200.00	90.41	180.50	100	9570.5	831.9	-831.9	-7.3	831.9	180.5	0.0	0.0	9576.4	-3.4	1.577992351	3.15 1E-10
15	10300.00	90.41	180.50	100	9569.7	931.9	-931.9	-8.2	931.9	180.5	0.0	0.0	9576.4	-3.4	1.577992351	3.15 1E-10
16	10400.00	90.41	180.50	100	9569.0	1031.9	-1031.9	-9.1	1031.9	180.5	0.0	0.0	9576.4	-3.4	1.577992351	3.15 1E-10
17	10500.00	90.41	180.50	100	9568.3	1131.9	-1131.9	-9.9	1131.9	180.5	0.0	0.0	9576.4	-3.4	1.577992351	3.15 1E-10
18	10600.00	90.41	180.50	100	9567.6	1231.9	-1231.9	-10.8	1231.9	180.5	0.0	0.0	9576.4	-3.4	1.577992351	3.15 1E-10
19	10700.00	90.41	180.50	100	9566.9	1331.9	-1331.9	-11.7	1331.9	180.5	0.0	0.0	9576.4	-3.4	1.577992351	3.15 1E-10
20	10800.00	90.41	180.50	100	9566.1	1431.9	-1431.8	-12.6	1431.9	180.5	0.0	0.0	9576.4	-3.4	1.577992351	3.15 1E-10
21	10900.00	90.41	180.50	100	9565.4	1531.9	-1531.8	-13.5	1531.9	180.5	0.0	0.0	9576.4	-3.4	1.577992351	3.15 1E-10
22	11000.00	90.41	180.50	100	9564.7	1631.9	-1631.8	-14.3	1631.9	180.5	0.0	0.0	9576.4	-3.4	1.577992351	3.15 1E-10
23	11100.00	90.41	180.50	100	9564.0	1731.9	-1731.8	-15.2	1731.9	180.5	0.0	0.0	9576.4	-3.4	1.577992351	3.15 1E-10
24	11200.00	90.41	180.50	100	9563.3	1831.9	-1831.8	-16.1	1831.9	180.5	0.0	0.0	9576.4	-3.4	1.577992351	3.15 1E-10
25	11300.00	90.41	180.50	100	9562.5	1931.9	-1931.8	-17.0	1931.9	180.5	0.0	0.0	9576.4	-3.4	1.577992351	3.15 1E-10
26	11400.00	90.41	180.50	100	9561.8	2031.9	-2031.8	-17.9	2031.9	180.5	0.0	0.0	9576.4	-3.4	1.577992351	3.15 1E-10
27	11500.00	90.41	180.50	100	9561.1	2131.9	-2131.8	-18.7	2131.9	180.5	0.0	0.0	9576.4	-3.4	1.577992351	3.15 1E-10
28	11600.00	90.41	180.50	100	9560.4	2231.9	-2231.8	-19.6	2231.9	180.5	0.0	0.0	9576.4	-3.4	1.577992351	3.15 1E-10
29	11700.00	90.41	180.50	100	9559.7	2331.9	-2331.8	-20.5	2331.9	180.5	0.0	0.0	9576.4	-3.4	1.577992351	3.15 1E-10
30	11800.00	90.41	180.50	100	9558.9	2431.9	-2431.8	-21.4	2431.9	180.5	0.0	0.0	9576.4	-3.4	1.577992351	3.15 1E-10
31	11900.00	90.41	180.50	100	9558.2	2531.9	-2531.8	-22.2	2531.9	180.5	0.0	0.0	9576.4	-3.4	1.577992351	3.15 1E-10
32	12000.00	90.41	180.50	100	9557.5	2631.9	-2631.8	-23.1	2631.9	180.5	0.0	0.0	9576.4	-3.4	1.577992351	3.15 1E-10
33	12100.00	90.41	180.50	100	9556.8	2731.9	-2731.8	-24.0	2731.9	180.5	0.0	0.0	9576.4	-3.4	1.577992351	3.15 1E-10
34	12200.00	90.41	180.50	100	9556.1	2831.9	-2831.8	-24.9	2831.9	180.5	0.0	0.0	9576.4	-3.4	1.577992351	3.15 1E-10
35	12300.00	90.41	180.50	100	9555.4	2931.9	-2931.8	-25.8	2931.9	180.5	0.0	0.0	9576.4	-3.4	1.577992351	3.15 1E-10
36	12400.00	90.41	180.50	100	9554.6	3031.9	-3031.7	-26.6	3031.9	180.5	0.0	0.0	9576.4	-3.4	1.577992351	3.15 1E-10
37	12500.00	90.41	180.50	100	9553.9	3131.9	-3131.7	-27.5	3131.9	180.5	0.0	0.0	9576.4	-3.4	1.577992351	3.15 1E-10
38	12600.00	90.41	180.50	100	9553.2	3231.9	-3231.7	-28.4	3231.9	180.5	0.0	0.0	9576.4	-3.4	1.577992351	3.15 1E-10
39	12700.00	90.41	180.50	100	9552.5	3331.9	-3331.7	-29.3	3331.9	180.5	0.0	0.0	9576.4	-3.4	1.577992351	3.15 1E-10
40	12800.00	90.41	180.50	100	9551.8	3431.9	-3431.7	-30.1	3431.9	180.5	0.0	0.0	9576.4	-3.4	1.577992351	3.15 1E-10
41	12900.00	90.41	180.50	100	9551.0	3531.9	-3531.7	-31.0	3531.9	180.5	0.0	0.0	9576.4	-3.4	1.577992351	3.15 1E-10
42	13000.00	90.41	180.50	100	9550.3	3631.8	-3631.7	-31.9	3631.8	180.5	0.0	0.0	9576.4	-3.4	1.577992351	3.15 1E-10
43	13100.00	90.41	180.50	100	9549.6	3731.8	-3731.7	-32.8	3731.8	180.5	0.0	0.0	9576.4	-3.4	1.577992351	3.15 1E-10
44	13200.00	90.41	180.50	100	9548.9	3831.8	-3831.7	-33.7	3831.8	180.5	0.0	0.0	9576.4	-3.4	1.577992351	3.15 1E-10
45	13300.00	90.41	180.50	100	9548.2	3931.8	-3931.7	-34.5	3931.8	180.5	0.0	0.0	9576.4	-3.4	1.577992351	3.15 1E-10
46	13400.00	90.41	180.50	100	9547.4	4031.8	-4031.7	-35.4	4031.8	180.5	0.0	0.0	9576.4	-3.4	1.577992351	3.15 1E-10
47	13500.00	90.41	180.50	100	9546.7	4131.8	-4131.7	-36.3	4131.8	180.5	0.0	0.0	9576.4	-3.4	1.577992351	3.15 1E-10
48	13600.00	90.41	180.50	100	9546.0	4231.8	-4231.7	-37.2	4231.8	180.5	0.0	0.0	9576.4	-3.4	1.577992351	3.15 1E-10
49	13700.00	90.41	180.50	100	9545.3	4331.8	-4331.7	-38.1	4331.8	180.5	0.0	0.0	9576.4	-3.4	1.577992351	3.15 1E-10
50	13800.00	90.41	180.50	100	9544.6	4431.8	-4431.7	-38.9	4431.8	180.5	0.0	0.0	9576.4	-3.4	1.577992351	3.15 1E-10
51	13900.00	90.41	180.50	100	9543.8	4531.8	-4531.6	-39.8	4531.8	180.5	0.0	0.0	9576.4	-3.4	1.577992351	3.15 1E-10
52	14000.00	90.41	180.50	100	9543.1	4631.8	-4631.6	-40.7	4631.8	180.5	0.0	0.0	9576.4	-3.4	1.577992351	3.15 1E-10
53	14100.00	90.41	180.50	100	9542.4	4731.8	-4731.6	-41.6	4731.8	180.5	0.0	0.0	9576.4	-3.4	1.577992351	3.15 1E-10
54	14153.40	90.41	180.50	53.395	9542.0	4785.2	-4785.0	-42.0	4785.2	180.5	0.0	0.0	9576.4	-3.4	1.577992351	3.15 1E-10

EXHIBIT

10



EXHIBIT

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



Horizontal Activity Color Code

- Wolfcamp Sand
- Wolfcamp Shale

**Mewbourne Oil Company**

Night Ranger 28 W2AP Fee 1H  
Horizontal Activity Map  
Structure Top of WFMP (C.I. 100')

3/2/18	Eddy County	New Mexico
		Geol: C. Osby



A  
N

30015226770000  
AMOCO PROD CO  
BRANTLEY GAS COM 1  
Datum=3032.00  
1980 FSL 2080 FVL  
TWP: 23 S - Range: 28 E - Sec. 22

30015226380000  
MADDOX ENERGY CORP  
PARQUE 27.1  
Datum=3056.00  
1980 FNL 990 FEL  
TWP: 23 S - Range: 28 E - Sec. 27

30015235220000  
BELCO PET NTH AMER  
CAVALIER 1  
Datum=3088.00  
2310 FSL/1850 FEL  
TWP: 23 S - Range: 28 E - Sec. 28

30015229020000  
HNG OIL COMPANY  
PARQUE 34 COM 1  
Datum=3056.00  
2310 FNL 660 FEL  
TWP: 23 S - Range: 28 E - Sec. 34

A  
S

22K

27H

28J

34H

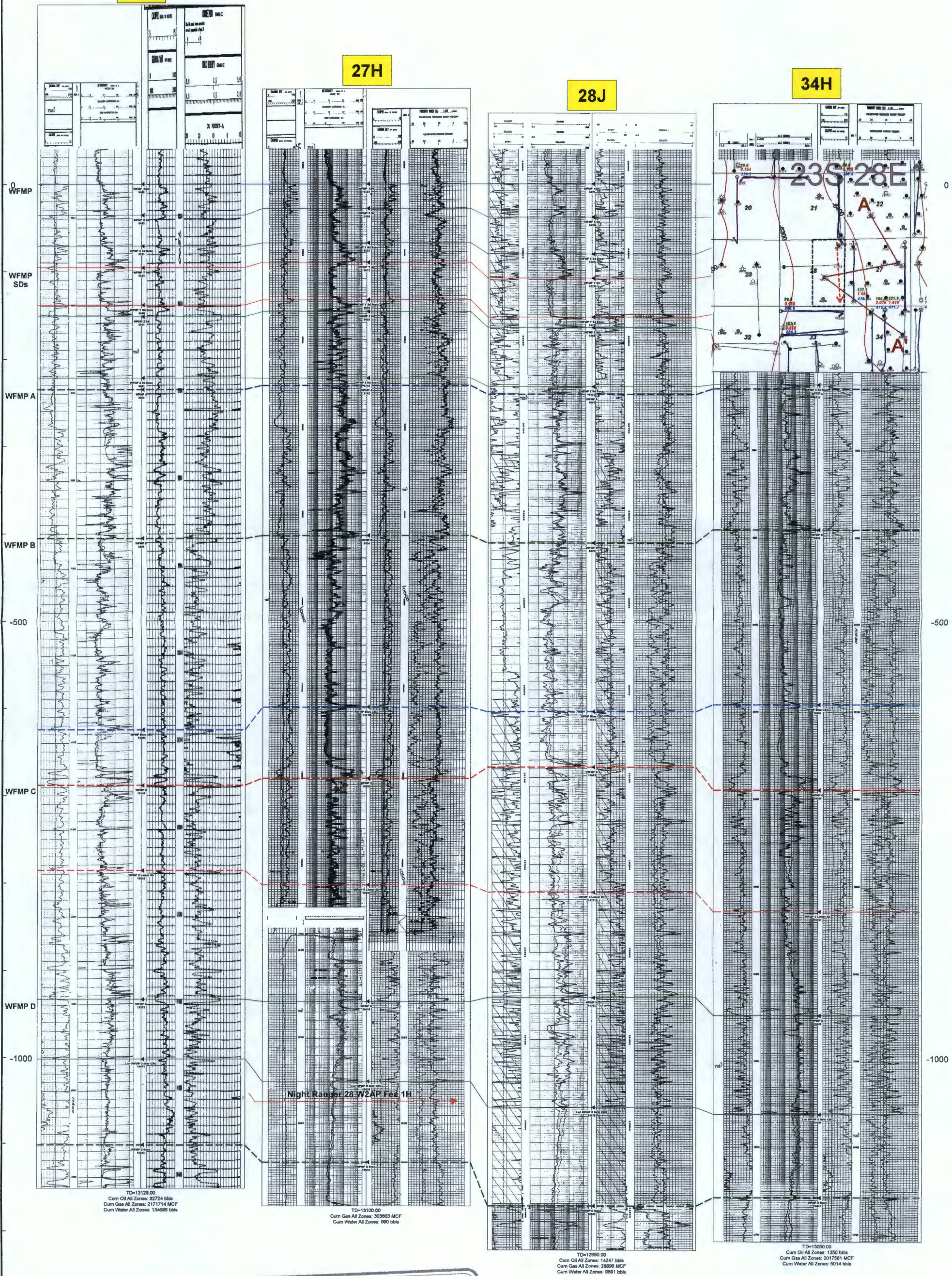


EXHIBIT 12

Night Ranger 28 W2AP Fee 1H  
Cross Section Exhibit (A-A')



Night Rider Offset Wolfcamp Productin Table									
Well Name	Operator	API	Location	WFMP Comp Date	Cum Oil (Mbo)	Cum Gas (Bcf)	Cum Water (Mbw)	NS/EW	WFMP Zone
Yardbirds 34 W2NC Fee 1H	Mewbourne	3001541309	34N/23S/28E	7/1/2016	164.8	2	475.2	NS	WFMP D Shale
Layla 35 MD Fee 2H	Mewbourne	3001541730	35M/23S/28E	4/2/2014	135.5	1.5	425.5	NS	WFMP D Shale
Speedwagon 27 W2DM Fee 1H	Mewbourne	3001542695	27D/23S/28E	3/29/2016	137.1	1.7	416.4	NS	WFMP D Shale
B Banker 33 23S 28E RB 221H	Matador	3001543306	33A/23S/28E	6/14/2016	77.3	1	429.5	EW	WFMP D Shale
Yardbirds 34 W2OB Fee 1H	Mewbourne	3001543464	34O/23S/28E	6/12/2016	121.9	1.6	471.7	NS	WFMP D Shale
Foreigner 33-4 W2LM Fee 1H	Mewbourne	3001543494	33L/23S/28E	8/14/2016	190.7	1.8	801	NS	WFMP D Shale
Loving Townsite 21 W0PA Fee 2H	Mewbourne	3001543495	28A/23S/28E	6/13/2017	105	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	8/25/2016	159.9	1.9	613.6	NS	WFMP D Shale
B Banker 33 23S 28E RB 226H	Matador	3001543817	33H/23S/28E	8/6/2016	167.9	0.4	658.6	EW	WFMP D Shale
B Banker 33 23S 28E RB 206H	Matador	3001543842	33H/23S/28E	7/17/2017	42	0.6	216.7	EW	WFMP Y Sand
Styx W2PA Fee Com 1H	Mewbourne	3001543950	20A/23S/28E	4/30/2017	64.7	0.8	366.1	NS	WFMP D Shale
El Toro Gigante 23 431H	Rockcliff	3001544089	14M/23S/28E	11/15/2017	28.3	0.2	116.7	NS	WFMP D Shale
B Banker 33 23S 28E RB 201H	Matador	3001544138	33A/23S/28E	7/26/2017	95.5	0.1	327.1	EW	WFMP Y Sand
Whitesnake 20-21 W2BC Fee 1H	Mewbourne	3001543497	20C/23S/28E		Pending			EW	WFMP D Shale
Whitesnake 20-21 W0BC Fee 2H	Mewbourne	3001544559	20C/23S/28E		Pending			EW	WFMP Y Sand
Speedwagon 27 W2PA Fee 1H	Mewbourne	3001543097	34A/23S/28E		Pending			NS	WFMP D Shale
Speedwagon 27 W0PA Fee 2H	Mewbourne	3001544115	34A/23S/28E		Pending			NS	WFMP Y Sand

EXHIBIT (3)

# Mewbourne Oil Company

## SURVEY CALCULATION REPORT Minimum Curvature Calculations

Operator: Mewbourne Oil Company  
Lease Name: Night Ranger 28 W2AP Fee 1H  
KOP 9912.04  
SL: 220 FNL & 610 FEL Sec 28-23S-28E  
BHL: 330 FSL & 330 FEL Sec 28-23S-28E

Target KBTVD: 10,485 Feet 10485.00  
Target Angle: 89.65 Degrees 89.65  
Section Plane: 180.50 Degrees  
Declination Corrected to True North: 6.63 Degrees  
Bit to Survey Offset: 44 Feet

Survey No.	Measured Depth-ft	Drift (Deg.)	Azimuth (Deg.)	Course Length	TVD (Feet)	Vertical Section	+N/-S (Feet)	+E/-W (Feet)	Closure Distance	Closure Direction	BUR	DLS	KBTVD	+Above -Below Target	DRIFT (RADIAN)	AZIMUTH (RADIAN)
T/I	9912.04	0.00	180.50	N/A	9912.0	0.0	0.0	0.0	0.0	0.0	N/A	N/A	9912.0	573.0	1E-12	3.15 #VALUE!
1	10001.69	8.96	180.50	89.646	10001.3	7.0	-7.0	-0.1	7.0	180.5	10.0	10.0	10001.3	483.7	0.156462517	3.15 0.156463
2	10091.34	17.93	180.50	89.646	10088.4	27.8	-27.8	-0.2	27.8	180.5	10.0	10.0	10088.3	396.7	0.312925035	3.15 0.156463
3	10180.98	26.89	180.50	89.646	10171.2	62.0	-62.0	-0.5	62.0	180.5	10.0	10.0	10170.8	314.2	0.469387552	3.15 0.156463
4	10270.63	35.86	180.50	89.646	10247.7	108.6	-108.6	-1.0	108.6	180.5	10.0	10.0	10247.0	238.0	0.625850069	3.15 0.156463
5	10360.27	44.82	180.50	89.646	10315.9	166.6	-166.6	-1.5	166.6	180.5	10.0	10.0	10314.9	170.1	0.782312586	3.15 0.156463
6	10449.92	53.79	180.50	89.646	10374.3	234.5	-234.5	-2.1	234.5	180.5	10.0	10.0	10372.9	112.1	0.938775104	3.15 0.156463
7	10539.57	62.75	180.50	89.646	10421.4	310.6	-310.6	-2.7	310.6	180.5	10.0	10.0	10419.5	65.5	1.095237621	3.15 0.156463
8	10629.21	71.72	180.50	89.646	10456.1	393.2	-393.2	-3.5	393.2	180.5	10.0	10.0	10453.7	31.3	1.251700138	3.15 0.156463
9	10718.86	80.68	180.50	89.646	10477.4	480.2	-480.2	-4.2	480.2	180.5	10.0	10.0	10474.5	10.5	1.408162655	3.15 0.156463
10	10808.51	89.65	180.50	89.646	10485.0	569.4	-569.4	-5.0	569.4	180.5	10.0	10.0	10481.5	3.5	1.564625173	3.15 0.156463
11	10900.00	89.65	180.50	91.494	10485.6	660.9	-660.9	-5.8	660.9	180.5	0.0	0.0	10481.5	3.5	1.564625173	3.15 1E-10
12	11000.00	89.65	180.50	100	10486.2	760.9	-760.9	-6.7	760.9	180.5	0.0	0.0	10481.5	3.5	1.564625173	3.15 1E-10
13	11100.00	89.65	180.50	100	10486.8	860.9	-860.9	-7.6	860.9	180.5	0.0	0.0	10481.5	3.5	1.564625173	3.15 1E-10
14	11200.00	89.65	180.50	100	10487.4	960.9	-960.9	-8.4	960.9	180.5	0.0	0.0	10481.5	3.5	1.564625173	3.15 1E-10
15	11300.00	89.65	180.50	100	10488.0	1060.9	-1060.9	-9.3	1060.9	180.5	0.0	0.0	10481.5	3.5	1.564625173	3.15 1E-10
16	11400.00	89.65	180.50	100	10488.6	1160.9	-1160.9	-10.2	1160.9	180.5	0.0	0.0	10481.5	3.5	1.564625173	3.15 1E-10
17	11500.00	89.65	180.50	100	10489.3	1260.9	-1260.9	-11.1	1260.9	180.5	0.0	0.0	10481.5	3.5	1.564625173	3.15 1E-10
18	11600.00	89.65	180.50	100	10489.9	1360.9	-1360.8	-12.0	1360.9	180.5	0.0	0.0	10481.5	3.5	1.564625173	3.15 1E-10
19	11700.00	89.65	180.50	100	10490.5	1460.9	-1460.8	-12.8	1460.9	180.5	0.0	0.0	10481.5	3.5	1.564625173	3.15 1E-10
20	11800.00	89.65	180.50	100	10491.1	1560.9	-1560.8	-13.7	1560.9	180.5	0.0	0.0	10481.5	3.5	1.564625173	3.15 1E-10
21	11900.00	89.65	180.50	100	10491.7	1660.9	-1660.8	-14.6	1660.9	180.5	0.0	0.0	10481.5	3.5	1.564625173	3.15 1E-10
22	12000.00	89.65	180.50	100	10492.3	1760.9	-1760.8	-15.5	1760.9	180.5	0.0	0.0	10481.5	3.5	1.564625173	3.15 1E-10
23	12100.00	89.65	180.50	100	10493.0	1860.9	-1860.8	-16.3	1860.9	180.5	0.0	0.0	10481.5	3.5	1.564625173	3.15 1E-10
24	12200.00	89.65	180.50	100	10493.6	1960.9	-1960.8	-17.2	1960.9	180.5	0.0	0.0	10481.5	3.5	1.564625173	3.15 1E-10
25	12300.00	89.65	180.50	100	10494.2	2060.9	-2060.8	-18.1	2060.9	180.5	0.0	0.0	10481.5	3.5	1.564625173	3.15 1E-10
26	12400.00	89.65	180.50	100	10494.8	2160.9	-2160.8	-19.0	2160.9	180.5	0.0	0.0	10481.5	3.5	1.564625173	3.15 1E-10
27	12500.00	89.65	180.50	100	10495.4	2260.9	-2260.8	-19.9	2260.9	180.5	0.0	0.0	10481.5	3.5	1.564625173	3.15 1E-10
28	12600.00	89.65	180.50	100	10496.0	2360.9	-2360.8	-20.7	2360.9	180.5	0.0	0.0	10481.5	3.5	1.564625173	3.15 1E-10
29	12700.00	89.65	180.50	100	10496.7	2460.9	-2460.8	-21.6	2460.9	180.5	0.0	0.0	10481.5	3.5	1.564625173	3.15 1E-10
30	12800.00	89.65	180.50	100	10497.3	2560.9	-2560.8	-22.5	2560.9	180.5	0.0	0.0	10481.5	3.5	1.564625173	3.15 1E-10
31	12900.00	89.65	180.50	100	10497.9	2660.9	-2660.8	-23.4	2660.9	180.5	0.0	0.0	10481.5	3.5	1.564625173	3.15 1E-10
32	13000.00	89.65	180.50	100	10498.5	2760.9	-2760.8	-24.3	2760.9	180.5	0.0	0.0	10481.5	3.5	1.564625173	3.15 1E-10
33	13100.00	89.65	180.50	100	10499.1	2860.9	-2860.8	-25.1	2860.9	180.5	0.0	0.0	10481.5	3.5	1.564625173	3.15 1E-10
34	13200.00	89.65	180.50	100	10499.7	2960.9	-2960.8	-26.0	2960.9	180.5	0.0	0.0	10481.5	3.5	1.564625173	3.15 1E-10
35	13300.00	89.65	180.50	100	10500.4	3060.9	-3060.8	-26.9	3060.9	180.5	0.0	0.0	10481.5	3.5	1.564625173	3.15 1E-10
36	13400.00	89.65	180.50	100	10501.0	3160.9	-3160.7	-27.8	3160.9	180.5	0.0	0.0	10481.5	3.5	1.564625173	3.15 1E-10
37	13500.00	89.65	180.50	100	10501.6	3260.9	-3260.7	-28.6	3260.9	180.5	0.0	0.0	10481.5	3.5	1.564625173	3.15 1E-10
38	13600.00	89.65	180.50	100	10502.2	3360.9	-3360.7	-29.5	3360.9	180.5	0.0	0.0	10481.5	3.5	1.564625173	3.15 1E-10
39	13700.00	89.65	180.50	100	10502.8	3460.9	-3460.7	-30.4	3460.9	180.5	0.0	0.0	10481.5	3.5	1.564625173	3.15 1E-10
40	13800.00	89.65	180.50	100	10503.4	3560.9	-3560.7	-31.3	3560.9	180.5	0.0	0.0	10481.5	3.5	1.564625173	3.15 1E-10
41	13900.00	89.65	180.50	100	10504.1	3660.9	-3660.7	-32.2	3660.9	180.5	0.0	0.0	10481.5	3.5	1.564625173	3.15 1E-10
42	14000.00	89.65	180.50	100	10504.7	3760.9	-3760.7	-33.0	3760.9	180.5	0.0	0.0	10481.5	3.5	1.564625173	3.15 1E-10
43	14100.00	89.65	180.50	100	10505.3	3860.9	-3860.7	-33.9	3860.9	180.5	0.0	0.0	10481.5	3.5	1.564625173	3.15 1E-10
44	14200.00	89.65	180.50	100	10505.9	3960.9	-3960.7	-34.8	3960.9	180.5	0.0	0.0	10481.5	3.5	1.564625173	3.15 1E-10
45	14300.00	89.65	180.50	100	10506.5	4060.8	-4060.7	-35.7	4060.8	180.5	0.0	0.0	10481.5	3.5	1.564625173	3.15 1E-10
46	14400.00	89.65	180.50	100	10507.2	4160.8	-4160.7	-36.5	4160.8	180.5	0.0	0.0	10481.5	3.5	1.564625173	3.15 1E-10
47	14500.00	89.65	180.50	100	10507.8	4260.8	-4260.7	-37.4	4260.8	180.5	0.0	0.0	10481.5	3.5	1.564625173	3.15 1E-10
48	14600.00	89.65	180.50	100	10508.4	4360.8	-4360.7	-38.3	4360.8	180.5	0.0	0.0	10481.5	3.5	1.564625173	3.15 1E-10
49	14700.00	89.65	180.50	100	10509.0	4460.8	-4460.7	-39.2	4460.8	180.5	0.0	0.0	10481.5	3.5	1.564625173	3.15 1E-10
50	14800.00	89.65	180.50	100	10509.6	4560.8	-4560.7	-40.1	4560.8	180.5	0.0	0.0	10481.5	3.5	1.564625173	3.15 1E-10
51	14900.00	89.65	180.50	100	10510.2	4660.8	-4660.7	-40.9	4660.8	180.5	0.0	0.0	10481.5	3.5	1.564625173	3.15 1E-10
52	15000.00	89.65	180.50	100	10510.9	4760.8	-4760.7	-41.8	4760.8	180.5	0.0	0.0	10481.5	3.5	1.564625173	3.15 1E-10
53	15025.14	89.65	180.50	25.139	10511.0	4786.0	-4785.8	-42.0	4786.0	180.5	0.0	0.0	10481.5	3.5	1.564625173	3.15 1E-10
54	15025.14	89.65	180.50	0	10511.0	4786.0	-4785.8	-42.0	4786.0	180.5	#DIV/0!	#DIV/0!	10481.5	3.5	1.564625173	3.15 1E-10

EXHIBIT

14