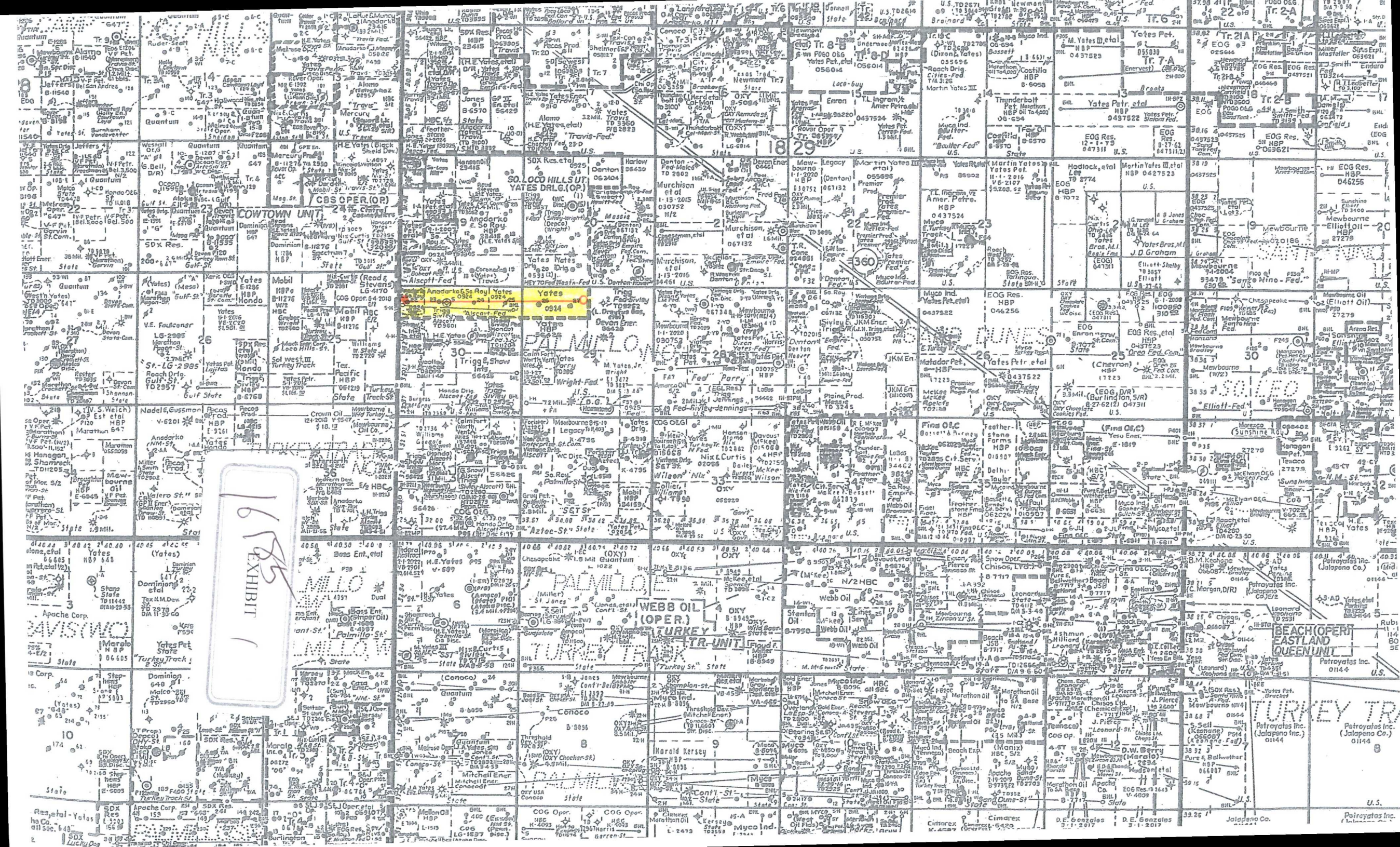




District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis 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 PAVO FRIO 29/30 B2CD FEDERAL COM	
⁷ GRID NO.	⁸ Operator Name MEWBOURNE OIL COMPANY	⁶ Well Number 1H
		⁹ Elevation 3497'

¹⁰ Surface Location

UL or lot no. B	Section 29	Township 18S	Range 29E	Lot Idn	Feet from the 550	North/South line NORTH	Feet From the 2600	East/West line EAST	County EDDY
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¹¹ Bottom Hole Location If Different From Surface

UL or lot no. Lot 2	Section 30	Township 18S	Range 29E	Lot Idn	Feet from the 2100	North/South line NORTH	Feet from the 330	East/West line WEST	County EDDY
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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.

① S 89°48'40" W 2370.62' ② S 89°47'06" W 2640.36' ③ S 89°44'57" W 2639.32' ④ S 89°46'04" W 2643.38' ⑤ Lot 1 Lot 2 Lot 3 Lot 4 GEODETIC DATA NAD 83 GRID - NM EAST BOTTOM HOLE N 625692.5 - E 606717.5 LAT: 32.7198887° N LONG: 104.1207445° W SURFACE LOCATION N 627270.5 - E 614081.8 LAT: 32.7241831° N LONG: 104.0967876° W CORNER DATA NAD 83 GRID - NM EAST A: FOUND BRASS CAP "1916" N 622510.3 - E 606384.4 B: FOUND BRASS CAP "1916" N 627790.9 - E 606389.6 C: FOUND BRASS CAP "1916" N 627798.7 - E 608759.6 D: FOUND BRASS CAP "1916" N 627808.7 - E 611399.3 E: FOUND BRASS CAP "1916" N 627820.2 - E 614038.0 F: FOUND BRASS CAP "1916" N 627830.9 - E 616680.7 G: FOUND BRASS CAP "1916" N 625190.5 - E 616682.8 H: FOUND BRASS CAP "1916" N 622549.6 - E 616690.4 I: FOUND BRASS CAP "1916" N 622539.0 - E 614052.2 J: FOUND BRASS CAP "1916" N 622529.0 - E 611414.5 K: FOUND BRASS CAP "1916" N 622519.0 - E 608774.2 L: FOUND BRASS CAP "1916" N 625169.6 - E 611406.3		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 to 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. 02-28-2018 Date of Survey Signature and Seal of Professional Surveyor 19680 Certificate Number
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Job No.: LS1802231

Case No. 16185

TRACT OWNERSHIP

Pavo Frio 29/30 B2CD Fed. Com #1H
N/2N/2 of Section 30 and N/2NW/4 of Section 29,
T18S, R29E, Eddy County, New Mexico
containing 231.91 acres, more or less.

Lot 1 (NW/4NW/4) and NE/4NW/4 of Section 30:

Chisholm Energy Agent, Inc.	67.3826%
Mewbourne Oil Company	10.1566%
Bursake, LLC	05.6152%
McAnso, LLC	05.6152%
Chi Energy, Inc.	05.6152%
McCombs Exploration, LLC	05.6152%
	100.0000%

N/2NE/4 of Section 30:

Mewbourne Oil Company	90.625%
Harry B. Hinkle	06.250%
Todd E. Westmoreland	03.125%

N/2NW/4 of Section 29:

Mewbourne Oil Company	100.00%
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Ownership in Project Area:

Mewbourne Oil Company	65.90759%
*Chisholm Energy Agent, Inc.	20.89381%
Harry B. Hinkle	02.15601%
*Bursake, LLC	01.74115%
*McAnso, LLC	01.74115%
Chi Energy, Inc.	01.74115%
McCombs Exploration, LLC	01.74115%
Todd E. Westmoreland	01.07800%
	100.0000%

*Note: These are the uncommitted owners.

EXHIBIT 2

CASE NO. 16185 and CASE NO. 16186

Summary of Communications:
Pavo Frio 29/30 B2CD Fed Com #1H and
Pavo Frio 29/30 B2FE Fed Com #1H Wells
N/2 of Section 30 and N/2NW/4 of Section 29,
T18S, R29E, Eddy County, New Mexico

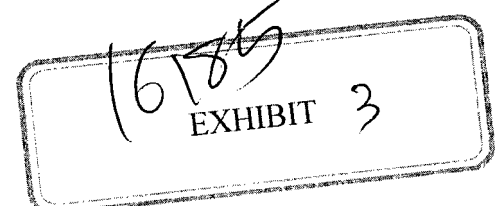
Contact: **Bursake, LLC - 1.744980% WI**
Andrew B. Burleson – owner
(432) 682-7818

McAnso, LLC – 17.744980% WI
William (Bill) H. Bennett
(432) 210-5016

- 12-07-2017:** Hand delivered and mailed well proposal letter for both wells to Bursake and McAnso with AFEs for each well. Made offer to purchase their interests if they didn't want to participate in the wells.
- 03-06-2018:** Mailed our proposed Operating Agreement to Bursake and McAnso for their consideration and execution.
- 05-23-2018:** Called Andy and discussed our well proposals requesting them to make their decision as pooling hearing was coming up. Called McAnso and left message for Bill to call me. Bill called me and left a message for me to call him. Called Bill no answer left message for him to call me.
- 05-24-2018:** Bill returned my call and advised me that they would either participate or term assign their interest to us. They will not hold us up and will not be forced pooled.

Contact: **Chisholm Energy Agent, Inc. – 20.904130%**
Luke Shelton – Landman
George Roth – Geologist
James Huling – Engineer

- 12-07-2017:** Received Chisholm Energy's well proposals, AFEs and Operating Agreement via Certified Mail regarding their proposed Neptune 30 Fed Com 2 BS #2H, #3H, #4H and #5H Wells to be drilled in the Second Bone Spring Sand interval in the Bone Spring formation being one mile laterals in Section 30.
- 12-07-2017:** Scanned and emailed Luke our AFEs for the proposed Pavo Frio 29/30 B2CD Fed. Com #1H and proposed Pavo Frio 29/30 B2FE Fed Com #1H Wells.
- 03-05-2018:** Sent Luke via overnight mail our proposed Operating Agreement for the Pavo Frio 29/30 WIU covering the N/2 of Section 30 and NW/4 of Section 29 which covers he consideration and execution.
- 05-10-2018:** Emailed Luke our revised AFEs and revised Exhibit "A" to the Operating Agreement which now covers all of Section 30 and W/2 Section 29. Also advised them that the pooling hearing is coming up on May 31st.
- 05-11-2018:** Received email from Luke whereby he advised me that they wanted their Technical team to discuss with our technical team our proposals. They wanted to set up a conference call to discuss. Set up meeting for Monday, May 14th at 10:00 AM to discuss our proposal.
- 05-14-2018:** Had phone conference with Chisholm's technical team (Luke, George and James) with me, Corey Mitchell. (Asst. Expl. Mgr. and landman) Nate Cless (District Geologist) and Travis Cude (District Reservoir Engineer) being Mewbourne's technical team and discussed land issues, geological issues and completion techniques for our proposed wells to help Chisholm with their decision to participate or not.
- 05-18-2018:** Corey Mitchell emailed Chisholm a proposed acreage trade of lands owned by Mewbourne and Chisholm for Chisholm to trade out of our proposed wells.



MEWBOURNE OIL COMPANY

500 W. TEXAS, SUITE 1020
MIDLAND, TEXAS 79701

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

December 7, 2017

Bursake, LLC
P.O. Box 51407
Midland, TX 79710
Attn: Mr. Andy Burleson

Re: Pavo Frio 29/30 WIU
NW/4, Section 29 and
N/2 Section 30, T18S, R29E
Eddy County, New Mexico

Gentlemen:

Mewbourne Oil Company ("Mewbourne") as Operator proposes to drill two one and one-half mile horizontal oil wells under the captioned land in the proposed Working Interest Unit (WIU) comprising the captioned lands covering 463.98 acres. The proposed wells will be drilled horizontally in the Second Bone Spring Sand Interval in the Bone Spring formation for oil production. Mewbourne proposes to drill the following wells:

Mewbourne proposes to drill the Pavo Frio 26/30 B2CD Federal Com #1H Well at a surface location 500' FNL & 2450' FEL of the captioned Section 29 and drill same horizontally to a terminus point 500' FNL & 330' FWL of the captioned Section 30 being the bottom hole location. The referenced well will be drilled at the referenced surface location vertically to a true vertical depth of approximately 7,705 feet beneath the surface in the Bone Spring formation and drilled therefrom horizontally from an easterly direction to a westerly direction in the Second Bone Spring Sand interval for oil and gas production. The proposed well will be drilled to a true measured depth of approximately 15,185 feet to the referenced bottom hole location. The N/2NW/4 of Section 29 and the N/2N/2 of Section 30 will be dedicated to the well as its nonstandard proration unit and project area containing 231.91 acres, more or less.

Mewbourne as Operator proposes to drill the Pavo Frio 29/30 B2FE Federal Com #1H Well as the second well at a surface location 2100' FNL & 2500' FEL of the captioned Section 29 and drill same horizontally to a terminus point 2100' FNL & 330' FWL of the captioned Section 30 being the bottom hole location. The referenced well will be drilled at the referenced surface location vertically to a true vertical depth of approximately 7,710 feet beneath the surface in the Bone Spring formation and drilled therefrom horizontally from an easterly direction to a westerly direction in the Second Bone Spring Sand interval for oil and gas production. The proposed well will be drilled to a true measured depth of approximately 15,240 feet to the referenced bottom hole location. The S/2NW/4 of Section 29 and the S/2N/2 of Section 30 will be dedicated to the well as its nonstandard proration unit and project area containing 232.07 acres, more or less.

In reference to the above, your firm apparently owns a 5.6152% WI in Lot 1 (NW/4NW/4), Lot 2 (SW/4NW/4), NE/4NW/4, SE/4NW/4 in the captioned Section 30 containing approximately 8.084765 net acres in the proposed 463.98 WIU. Our proposed Operating Agreement which will cover only the Bone Spring formation will be forwarded to you for consideration and execution in the near future.

Regarding the above, should your firm elect not to participate in the proposed WIU, Mewbourne offers you \$1,500 per net acre for a two year term assignment providing Mewbourne a 75% net revenue interest for your firm's Bone Spring rights. This offer is available for your acceptance for a period ending January 15, 2018. If your firm elects to participate in the proposed wells, please have the enclosed AFEs signed and returned to me at your earliest convenience.

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

Sincerely yours,

MEWBOURNE OIL COMPANY

A handwritten signature in black ink, appearing to read "Paul Haden", with a stylized flourish at the end.

D. Paul Haden
Senior Landman
DPH/ak

MEWBOURNE OIL COMPANY

500 W. TEXAS, SUITE 1020
MIDLAND, TEXAS 79701

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

March 6, 2018

McAnso, LLC and
Bursake, LLC
P.O. Box 51407
Midland, TX 79710

Re: Pavo Frio 29/30 WIU
NW/4 Section 29 and
N/2 Section 30, T18S, R29E
Eddy County, New Mexico

Dear Harry and Carole:

Regarding the captioned WIU, enclosed for your further handling and execution is our proposed Operating Agreement dated February 15, 2018 and a file copy of a Recording Supplement for same and an extra set of signature and acknowledgment pages of the Operating Agreement, Gas Balancing Agreement and Recording Supplement.

In the event your firm elects to participate in the previously proposed Pavo Frio 29/30 B2FE Fed. Com #1H and Pavo Frio 29/30 B2CD Fed. Com #1H Wells, please have these signature and acknowledgment pages executed and returned to me at your earliest convenience.

Sincerely yours,

MEWBOURNE OIL COMPANY



D. Paul Haden
Senior Landman
DPH/cb

Re: Buvo Eno 29/30 WIL

Burake, LLC - Andrew Burleson

682-7818

McAnno, LLC - Bill Bennett

682-7818

5/23/18 - Phone call to Andy this date, left message for him to call me.

Talked to Andy, they haven't made up their mind yet. I'm to call Bill B.

(432) 210-5016

(C) (432) 210-5016

5/23/18

- Phone call to Bill B. this date.

No answer, left message for him to call me.

Bill B. returned my call, left message for him to call me.

Called Bill B.; no answer, left message for him to call me.

5/24/18: Talked to Bill, they will participate or term assign to us, will not hold us up.

MEWBOURNE OIL COMPANY

500 W. TEXAS, SUITE 1020
MIDLAND, TEXAS 79701

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

December 7, 2017

McAnso, LLC
P.O. Box 51407
Midland, TX 79710
Attn: Mr. Bill Bennett

Re: Pavo Frio 29/30 WIU
NW/4, Section 29 and
N/2 Section 30, T18S, R29E
Eddy County, New Mexico

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Mewbourne as Operator proposes to drill the Pavo Frio 29/30 B2FE Federal Com #1H Well as the second well at a surface location 2100' FNL & 2500' FEL of the captioned Section 29 and drill same horizontally to a terminus point 2100' FNL & 330' FWL of the captioned Section 30 being the bottom hole location. The referenced well will be drilled at the referenced surface location vertically to a true vertical depth of approximately 7,710 feet beneath the surface in the Bone Spring formation and drilled therefrom horizontally from an easterly direction to a westerly direction in the Second Bone Spring Sand interval for oil and gas production. The proposed well will be drilled to a true measured depth of approximately 15,240 feet to the referenced bottom hole location. The S/2NW/4 of Section 29 and the S/2N/2 of Section 30 will be dedicated to the well as its nonstandard proration unit and project area containing 232.07 acres, more or less.

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

Sincerely yours,

MEWBOURNE OIL COMPANY

A handwritten signature in black ink, appearing to read "Paul Haden", with a stylized flourish at the end.

D. Paul Haden
Senior Landman
DPH/ak

MEWBOURNE OIL COMPANY

500 W. TEXAS, SUITE 1020
MIDLAND, TEXAS 79701

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

March 6, 2018

McAnso, LLC and
Bursake, LLC
P.O. Box 51407
Midland, TX 79710

Re: Pavo Frio 29/30 WIU
NW/4 Section 29 and
N/2 Section 30, T18S, R29E
Eddy County, New Mexico

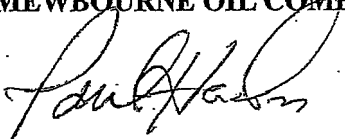
Dear Harry and Carole:

Regarding the captioned WIU, enclosed for your further handling and execution is our proposed Operating Agreement dated February 15, 2018 and a file copy of a Recording Supplement for same and an extra set of signature and acknowledgment pages of the Operating Agreement, Gas Balancing Agreement and Recording Supplement.

In the event your firm elects to participate in the previously proposed Pavo Frio 29/30 B2FE Fed. Com #1H and Pavo Frio 29/30 B2CD Fed. Com #1H Wells, please have these signature and acknowledgment pages executed and returned to me at your earliest convenience.

Sincerely yours,

MEWBOURNE OIL COMPANY



D. Paul Haden
Senior Landman
DPH/cb

Re: Russo Fire 29/30 with
Bursake LLC - Andrew Bursake
682-7818
McArmo, LLC - Bill Bennett
682-7818

5/23/18 - Phone call to Andy this date, left message
for him to call me
I talked to Andy, they haven't made up
their mind yet I'm to call Bill B.

43220-5016
5/23/18 - Phone call to Bill B. this date.
No answer, left message for him
to call me.
Bill B. returned my call, left message
for him to call me.
Called Bill B. no answer, left message

5/24/18 : talked to Bill, they will participate
on town assign to us, will not hold
us up

Paul Haden

From: Paul Haden
Sent: Thursday, December 07, 2017 3:21 PM
To: 'lshelton@chisholmenergy.com'
Subject: FW: Message from "Ricoh-MP-C6003-MID-2"
Attachments: 20171207162012936.pdf

Luke , see attachments FYI and further handling . Let me know if you have any questions .

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

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

From: Paul Haden [<mailto:phaden@mewbourne.com>]
Sent: Thursday, December 07, 2017 3:20 PM
To: Paul Haden
Subject: Message from "Ricoh-MP-C6003-MID-2"

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

Scan Date: 12.07.2017 16:20:12 (-0500)

Paul Haden

From: TrackingUpdates@fedex.com
Sent: Tuesday, March 06, 2018 10:08 AM
To: Paul Haden
Subject: FedEx Shipment 771721748595 Delivered

Your package has been delivered

Tracking # 771721748595

Ship date:
Mon, 3/5/2018

Paul Haden
Mewbourne Oil Company
Midland, TX 79701
US

Delivery date:
Tue, 3/6/2018 10:06 am

Attn: Mr. Luke Shelton
Chisholm Energy Agent, Inc.
801 Cherry St
Suite 1200 - Unit 20
FORT WORTH, TX 76102
US

Delivered

Personalized Message

Pavo Frio 29/30 WIU

Shipment Facts

Our records indicate that the following package has been delivered.

Tracking number:	<u>771721748595</u>
Status:	Delivered: 03/06/2018 10:06 AM Signed for By: Signature Release on file
Reference:	Pavo Frio 29/30 WIU
Signed for by:	Signature Release on file
Delivery location:	FORT WORTH, TX
Service type:	FedEx Standard Overnight
Packaging type:	FedEx Envelope
Number of pieces:	1
Weight:	2.00 lb.
Special handling/Services:	Deliver Weekday
Standard transit:	3/6/2018 by 3:00 pm

MEWBOURNE OIL COMPANY

500 W. TEXAS, SUITE 1020
MIDLAND, TEXAS 79701

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

March 5, 2018

Via Overnight Mail (817) 953-0359

Chisholm Energy Agent, Inc.
801 Cherry St.
Suite 1200-Unit 20
Fort Worth, TX 76102
Attn: Mr. Luke Shelton

Re: Pavo Frio 29/30 WIU
NW/4 Section 29 and
N/2 Section 30, T18S, R29E
Eddy County, New Mexico

Gentlemen:

Regarding the captioned WIU, enclosed for your further handling and execution is our proposed Operating Agreement dated February 15, 2018 and a file copy of a Recording Supplement for same and an extra set of signature and acknowledgment pages of the Operating Agreement, Gas Balancing Agreement and Recording Supplement.

In the event your firm elects to participate in the previously proposed Pavo Frio 29/30 B2FE Fed. Com #1H and Pavo Frio 29/30 B2CD Fed. Com #1H Wells, please have these signature and acknowledgment pages executed and returned to me at your earliest convenience.

Sincerely yours,

MEWBOURNE OIL COMPANY



D. Paul Haden
Senior Landman
DPH/cb

Paul Haden

From: Paul Haden
Sent: Thursday, May 10, 2018 2:20 PM
To: 'lshelton@chisholmenergy.com'
Subject: Re: Pavo Frio 29/30 WIU and Pavo Frio 29/30 B2FE Fed Com #1H and Pavo Frio 29/30 B2CD Fed Com #1H Wells
Attachments: 20180510150129588.pdf

Luke , regarding the captioned proposed WIU and proposed wells , attached for your further handling is revised Exhibit "A" to the JOA and revised Exhibit "A" to the Recording Memorandum . Also enclosed are the revised AFEs for the captioned wells which sets forth Chisholm's revised WI % as the proposed WIU now covers all of Section 30 and the W/2 of Section 29 . Please substitute the respective revised pages to the JOA and Recording Memorandum with the ones currently in your possession . Please be advised , the Compulsory Pooling Hearing for these wells as to Chisholm's interest is scheduled to occur May 31 , 2018 as we have not received the signed AFEs and executed JOA form Chisholm to date . Should you have any questions regarding the attachments or wish to discuss Mewbourne's proposal , please call me at the phone number listed below or by email . I am looking forward to hearing from you regarding our proposal

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

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

From: Paul Haden [<mailto:phaden@mewbourne.com>]
Sent: Thursday, May 10, 2018 2:02 PM
To: Paul Haden
Subject: Message from "Ricoh-MP-C6003-MID-2"

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

Scan Date: 05.10.2018 15:01:29 (-0400)

Paul Haden

From: Luke Shelton <lshelton@chisholmenergy.com>
Sent: Friday, May 11, 2018 10:28 AM
To: Paul Haden
Cc: George Roth; James Huling
Subject: RE: Pavo Frio 29/30 WIU and Pavo Frio 29/30 B2FE Fed Com #1H and Pavo Frio 29/30 B2CD Fed Com #1H Wells

Paul,

Our technical staff would like to discuss this with your team further. Would you be able to set up a call between George (Geology) and James (Engineer) and their counterparts at Mewbourne?

Let us know what works best for you all.

Thanks,

Luke Shelton
Senior Landman
Office: 817-953-0359

Chisholm Energy Operating, LLC
801 Cherry Street, Suite 1200
Fort Worth, TX 76102

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

From: Paul Haden [<mailto:phaden@Mewbourne.com>]
Sent: Thursday, May 10, 2018 3:11 PM
To: Luke Shelton <lshelton@chisholmenergy.com>
Subject: RE: Pavo Frio 29/30 WIU and Pavo Frio 29/30 B2FE Fed Com #1H and Pavo Frio 29/30 B2CD Fed Com #1H Wells

Thanks Luke .

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

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

From: Luke Shelton [<mailto:lshelton@chisholmenergy.com>]
Sent: Thursday, May 10, 2018 2:53 PM

Paul Haden

From: Paul Haden.
Sent: Thursday, May 10, 2018 3:11 PM
To: 'Luke Shelton'
Subject: RE: Pavo Frio 29/30 WIU and Pavo Frio 29/30 B2FE Fed Com #1H and Pavo Frio 29/30 B2CD Fed Com #1H Wells

Thanks Luke .

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

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

From: Luke Shelton [<mailto:lskelton@chisholmenergy.com>]
Sent: Thursday, May 10, 2018 2:53 PM
To: Paul Haden
Subject: Re: Pavo Frio 29/30 WIU and Pavo Frio 29/30 B2FE Fed Com #1H and Pavo Frio 29/30 B2CD Fed Com #1H Wells

Thanks Paul, we'll review further.

Sent from my iPhone

> On May 10, 2018, at 2:19 PM, Paul Haden <phaden@Mewbourne.com> wrote:

>
> Luke , regarding the captioned proposed WIU and proposed wells ,
> attached for your further handling is revised Exhibit "A" to the JOA
> and revised Exhibit "A" to the Recording Memorandum . Also enclosed
> are the revised AFEs for the captioned wells which sets forth
> Chisholm's revised WI % as the proposed WIU now covers all of Section
> 30 and the W/2 of Section 29 . Please substitute the respective revised pages to the JOA and Recording Memorandum
with the ones currently in your possession . Please be advised , the Compulsory Pooling Hearing for these wells as to
Chisholm's interest is scheduled to occur May 31 , 2018 as we have not received the signed AFEs and executed JOA form
Chisholm to date . Should you have any questions regarding the attachments or wish to discuss Mewbourne's proposal ,
please call me at the phone number listed below or by email . I am looking forward to hearing from you regarding our
proposal .

>
> Paul Haden
> Land Department
> Mewbourne Oil Company
> 500 West Texas Ave., Suite 1020
> Midland, TX 79701-4279

Paul Haden

From: Paul Haden
Sent: Friday, May 11, 2018 10:39 AM
To: Luke Shelton
Cc: George Roth; James Huling
Subject: RE: Pavo Frio 29/30 WIU and Pavo Frio 29/30 B2FE Fed Com #1H and Pavo Frio 29/30 B2CD Fed Com #1H Wells

OK , let me go round them up and check schedules for this to see if we can do this today . Your group going to be available today ?

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

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

From: Luke Shelton [<mailto:lshelton@chisholmenergy.com>]
Sent: Friday, May 11, 2018 10:28 AM
To: Paul Haden
Cc: George Roth; James Huling
Subject: RE: Pavo Frio 29/30 WIU and Pavo Frio 29/30 B2FE Fed Com #1H and Pavo Frio 29/30 B2CD Fed Com #1H Wells

Paul,

Our technical staff would like to discuss this with your team further. Would you be able to set up a call between George (Geology) and James (Engineer) and their counterparts at Mewbourne?

Let us know what works best for you all.

Thanks,

Luke Shelton
Senior Landman
Office: 817-953-0359

Chisholm Energy Operating, LLC
801 Cherry Street, Suite 1200
Fort Worth, TX 76102

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

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

Sent: Thursday, May 10, 2018 3:11 PM

To: Luke Shelton <lshelton@chisholmenergy.com>

Subject: RE: Pavo Frio 29/30 WIU and Pavo Frio 29/30 B2FE Fed Com #1H and Pavo Frio 29/30 B2CD Fed Com #1H Wells

Thanks Luke .

Paul Haden

Land Department

Mewbourne Oil Company

500 West Texas Ave., Suite 1020

Midland, TX 79701-4279

Office Phone: 432-682-3715

Fax: 432-685-4170

Cell: 432-557-2521

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

From: Luke Shelton [mailto:lshelton@chisholmenergy.com]

Sent: Thursday, May 10, 2018 2:53 PM

To: Paul Haden

Subject: Re: Pavo Frio 29/30 WIU and Pavo Frio 29/30 B2FE Fed Com #1H and Pavo Frio 29/30 B2CD Fed Com #1H Wells

Thanks Paul, we'll review further.

Sent from my iPhone

> On May 10, 2018, at 2:19 PM, Paul Haden <phaden@Mewbourne.com> wrote:

>

> Luke , regarding the captioned proposed WIU and proposed wells ,

> attached for your further handling is revised Exhibit "A" to the JOA

> and revised Exhibit "A" to the Recording Memorandum . Also enclosed

> are the revised AFEs for the captioned wells which sets forth

> Chisholm's revised WI % as the proposed WIU now covers all of Section

> 30 and the W/2 of Section 29 . Please substitute the respective revised pages to the JOA and Recording Memorandum

with the ones currently in your possession . Please be advised , the Compulsory Pooling Hearing for these wells as to

Chisholm's interest is scheduled to occur May 31 , 2018 as we have not received the signed AFEs and executed JOA form

Chisholm to date . Should you have any questions regarding the attachments or wish to discuss Mewbourne's proposal ,

please call me at the phone number listed below or by email . I am looking forward to hearing from you regarding our proposal .

>

> Paul Haden

> Land Department

> Mewbourne Oil Company

> 500 West Texas Ave., Suite 1020

> Midland, TX 79701-4279

> Office Phone: 432-682-3715

> Fax: 432-685-4170

> Cell: 432-557-2521

>

>
>
> -----Original Message-----
> From: Paul Haden [<mailto:phaden@mewbourne.com>]
> Sent: Thursday, May 10, 2018 2:02 PM
> To: Paul Haden
> Subject: Message from "Ricoh-MP-C6003-MID-2"
>
> This E-mail was sent from "Ricoh-MP-C6003-MID-2" (MP C6003).
>
> Scan Date: 05.10.2018 15:01:29 (-0400)
>
> <20180510150129588.pdf>

Paul Haden

From: Paul Haden
Sent: Friday, May 11, 2018 2:54 PM.
To: Luke Shelton
Subject: RE: Pavo Frio 29/30 WIU

OK , sounds great . I'll wait to hear from you .

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

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

From: Luke Shelton [<mailto:lskelton@chisholmenergy.com>]
Sent: Friday, May 11, 2018 2:53 PM
To: Paul Haden
Subject: RE: Pavo Frio 29/30 WIU

Thanks, we may need to move into a conference room if others would like to join. If that's the case, I'll give you a call at 10. I'll let you know Monday morning.

Thanks,

Luke Shelton
Senior Landman
Office: 817-953-0359

Chisholm Energy Operating, LLC
801 Cherry Street, Suite 1200
Fort Worth, TX 76102

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

From: Paul Haden [<mailto:phaden@Mewbourne.com>]
Sent: Friday, May 11, 2018 2:47 PM
To: Luke Shelton <lskelton@chisholmenergy.com>
Subject: RE: Pavo Frio 29/30 WIU

Luke , we've scheduled the phone conference for 10:00 AM Monday . I'll call you then unless I hear from you otherwise . .

Paul Haden

From: Paul Haden
Sent: Friday, May 11, 2018 2:47 PM
To: Luke Shelton
Subject: RE: Pavo Frio 29/30 WIU

Luke , we've scheduled the phone conference for 10:00 AM Monday . I'll call you then unless I hear from you otherwise .

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

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

From: Luke Shelton [<mailto:lshelton@chisholmenergy.com>]
Sent: Friday, May 11, 2018 2:17 PM
To: Paul Haden
Subject: RE: Pavo Frio 29/30 WIU

Thanks Paul.

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

From: Paul Haden [<mailto:phaden@Mewbourne.com>]
Sent: Friday, May 11, 2018 2:16 PM
To: Luke Shelton <lshelton@chisholmenergy.com>
Subject: Re: Pavo Frio 29/30 WIU

Luke , attached for your file is revised Exhibit "A" to the JOA and Recording Supplement whereby the Contract Area was revised to reflect T18S, R29E .

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

Paul Haden

From: Luke Shelton <lshelton@chisholmenergy.com>
Sent: Wednesday, May 16, 2018 12:08 PM
To: Corey Mitchell; Paul Haden
Subject: RE: Trade Proposal

Do you have interest you'd be willing to trade in 22S 26E Secs 28, 33 or any additional acreage in Sec 29?

From: Corey Mitchell [mailto:cmitchell@Mewbourne.com]
Sent: Wednesday, May 16, 2018 9:28 AM
To: Luke Shelton <lshelton@chisholmenergy.com>; Paul Haden <phaden@Mewbourne.com>
Subject: RE: Trade Proposal

Sorry Luke. I thought I had sent this on already.

We were looking at a possible trade based on the below lands. Please review and let me know if this is something Chisholm has any interest in.

From MOC				
			Net Acres	
McKamey	25-19S-32E	W2	90	Will assign permit
Huckleberry	29-22S-26E		60	50/50 with Chisholm
Runway	26-22S-26E		160	HBP
Cougar	22-23S-26E	S2	96	HBP
Merlin	34-22S-26E	S2	135	HBP
			541	

From Chisholm				
			Net Acres	
Pavo Frio	30-18S-29E	W2	194	
Benelli	12-19S-28E	SE4	107	
Rattlesnake	13-19S-28E	N2NW	80	
Cass Draw	17-22S-28E	All	60/140	Bone Spring / Wolfcamp
	18-22S-28E	All	80	Chisholm shows 0?
	20-22S-28E	All	78	Need to review land
Cass Draw	7-22S-28E	W2W2	20	Chisholm shows 0?
			619/699	

*Exclude wellbores

The above trade proposal is subject to review of land, assignment form and final management approval.

Corey Mitchell
Land Department
Mewbourne Oil Company
500 West Texas, Suite 1020
Midland, TX 79701
Bus. (432) 682-3715
Fax (432) 685-4170

From: Luke Shelton [<mailto:lskelton@chisholmenergy.com>]
Sent: Wednesday, May 16, 2018 9:08 AM
To: Corey Mitchell; Paul Haden
Subject: Trade Proposal

Have you all had a chance to finalize the trade proposal you mentioned? Management wants to review that before making a final decision.

Thanks,

Luke Shelton
Senior Landman
Office: 817-953-0359



Chisholm Energy Operating, LLC
801 Cherry Street, Suite 1200
Fort Worth, TX 76102

MEWBOURNE OIL COMPANY

AUTHORIZATION FOR EXPENDITURE

Well Name:	Pavo Frio 29/30 B2CD Fed Com #1H	Prospect:	2nd Bone Spring										
Location:	SHL: 500 FNL & 2450 FEL(29); BHL: 500 FNL & 330 FWL(30)	County:	Eddy	ST:	NM								
Sec.	29/30	Blk:		Survey:		TWP:	18S	RNG:	29E	Prop. TVD:	7705'	TMD:	15185'

INTANGIBLE COSTS 0180		CODE	TCP	CODE	CC
Regulatory Permits & Surveys		0180-0100	\$15,000	0180-0200	\$5,000
Location / Road / Site / Preparation		0180-0105	\$75,000	0180-0205	\$10,000
Location / Restoration		0180-0106	\$150,000	0180-0206	\$15,000
Daywork / Turnkey / Footage Drilling	22 days drlg / 4 days comp @ \$19,000/d	0180-0110	\$427,000	0180-0210	\$81,200
Fuel	1500 gal/day @ \$1.89/gal	0180-0114	\$79,500		
Mud, Chemical & Additives		0180-0120	\$150,000	0180-0220	
Horizontal Drillout Services				0180-0222	\$175,000
Cementing		0180-0125	\$55,000	0180-0225	\$30,000
Logging & Wireline Services		0180-0130	\$1,500	0180-0230	\$292,000
Casing / Tubing / Snubbing Service	Coil Tbg/Toe Prep	0180-0134	\$20,000	0180-0234	\$60,000
Mud Logging		0180-0137	\$17,500		
Stimulation	37 Stg 14.2 MM gal x 14.2 MM #			0180-0241	\$2,320,000
Stimulation Rentals & Other				0180-0242	\$150,000
Water & Other		0180-0145	\$40,000	0180-0245	\$360,000
Bits		0180-0148	\$54,000	0180-0248	\$4,000
Inspection & Repair Services		0180-0150	\$40,000	0180-0250	\$5,000
Misc. Air & Pumping Services		0180-0154		0180-0254	\$10,000
Testing & Flowback Services		0180-0158	\$15,000	0180-0258	\$30,000
Completion / Workover Rig				0180-0260	\$11,000
Rig Mobilization		0180-0164	\$80,000		
Transportation		0180-0165	\$20,000	0180-0265	\$20,000
Welding Services		0180-0168	\$5,000	0180-0268	\$15,000
Contract Services & Supervision		0180-0170	\$34,500	0180-0270	\$36,000
Directional Services	Includes Vertical control	0180-0175	\$135,000		
Equipment Rental		0180-0180	\$158,600	0180-0280	\$40,000
Well / Lease Legal		0180-0184	\$5,000	0180-0284	
Well / Lease Insurance		0180-0185	\$5,400	0180-0285	
Intangible Supplies		0180-0188	\$8,000	0180-0288	\$1,000
Damages		0180-0190		0180-0290	
ROW & Easements		0180-0192	\$20,000	0180-0292	
Pipeline Interconnect				0180-0293	
Company Supervision		0180-0195	\$110,400	0180-0295	\$80,900
Overhead Fixed Rate		0180-0196	\$10,000	0180-0296	\$20,000
Well Abandonment		0180-0198		0180-0298	
Contingencies	10% (TCP) 10% (CC)	0180-0199	\$173,100	0180-0299	\$377,100
TOTAL			\$1,904,500		\$4,148,200

TANGIBLE COSTS 0181					
Casing (19.1" - 30")		0181-0793			
Casing (10.1" - 19.0")	420' - 13 3/8" 54.5# J-55 ST&C @ \$35.71/ft	0181-0794	\$16,100		
Casing (8.1" - 10.0")	1130' - 9 5/8" 36# J-55 LT&C @ \$24.85/ft	0181-0795	\$30,000		
Casing (6.1" - 8.0")	7970' - 7" 29# P-110 LT&C @ \$27.76/ft	0181-0796	\$167,800		
Casing (4.1" - 6.0")	7994' - 4 1/2" 13.5# P-110 BPN @ \$13.66/ft			0181-0797	\$120,400
Tubing (2" - 4")	7155' - 2 7/8" 6.5# L-80 EUE 8rd @ \$4.55/ft			0181-0798	\$37,500
Drilling Head		0181-0860	\$40,000		
Tubing Head & Upper Section				0181-0870	\$30,000
Horizontal Completion Tools	Completion Liner Hanger			0181-0871	\$70,000
Sucker Rods				0181-0875	
Subsurface Equipment				0181-0880	
Artificial Lift Systems	Gas Valves			0181-0884	\$15,000
Pumping Unit				0181-0885	
Surface Pumps & Prime Movers				0181-0886	\$35,000
Tanks - Oil	3 - 750 bbl steel			0181-0890	\$48,000
Tanks - Water	3 - 750 bbl steel coated			0181-0891	\$50,000
Separation / Treating Equipment	30"x10'x1k# 3 ph/36"x15'x1k# Hor 3ph/Gun bbl			0181-0895	\$60,000
Heater Treaters, Line Heaters	6'x20'x75# HT			0181-0897	\$16,000
Metering Equipment				0181-0898	\$14,000
Line Pipe & Valves - Gathering	1/4 Mile 4" Gas & 1/2 Mile 6" Water			0181-0900	\$35,000
Fittings / Valves & Accessories				0181-0906	\$60,000
Cathodic Protection				0181-0908	\$5,000
Electrical Installation				0181-0909	\$35,000
Equipment Installation				0181-0910	\$40,000
Pipeline Construction	1/4 Mile Buried 4" Steel & 1/2 Mile 6" Poly			0181-0920	\$35,000
TOTAL			\$253,900		\$705,900
SUBTOTAL			\$2,158,400		\$4,854,100

TOTAL WELL COST

\$7,012,500

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:	Travis C.	Date:	11/16/2017
Company Approval:		Date:	
Joint Owner Interest:	Amount:	Signature:	
Joint Owner Name:			

JAMES BRUCE
ATTORNEY AT LAW

POST OFFICE BOX 1056
SANTA FE, NEW MEXICO 87504

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

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

jamesbruc@aol.com

May 10, 2018

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

To: Persons on Exhibit A

Ladies and gentlemen:

Enclosed are copies of the following applications filed with the New Mexico Oil Conservation Division by Mewbourne Oil Company:

1. Case No. 16185, for compulsory pooling, regarding the Pavo Frio 29/20 B2CD Fed. Com. Well No. 1H, a Bone Spring well in the N/2NW/4 of Section 29 and N/2N/2 of Section 30; and
2. Case No. 16186, for compulsory pooling, regarding the Pavo Frio 29/20 B2FE Fed. Com. Well No. 1H, a Bone Spring well in the S/2NW/4 of Section 29 and S/2N/2 of Section 30,

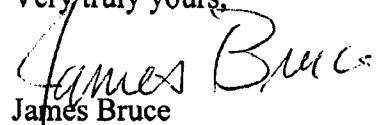
both in Township 18 South, Range 29 East, NMPM, Eddy County, New Mexico.

These matters are scheduled for hearing at 8:15 a.m. on Thursday, May 31, 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 applications, 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, May 21, 2017. 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. The Pre-Hearing Statement must also be provided to the undersigned.



Very truly yours,


James Bruce

Attorney for Mewbourne Oil Company

EXHIBIT A

Chisholm Energy Agent, Inc.
Suite 1200 – Unit 20
801 Cherry Street
Fort Worth, Texas 76102

Attention: Luke Shelton

McAnso, LLC and Bursake, LLC
P.O. Box 51407
Midland, Texas 79710

Attention: Andrew B. Burleson

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.

Article Addressed to:

McAnso, LLC and Bursake, LLC
P.O. Box 51407
Midland, Texas 79710

9590 9402 3866 8060 2724 40

2. Article Number (Transfer from service label)

7017 2680 0000 1763 6325

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

COMPLETE THIS SECTION ON DELIVERY

A. Signature

[Signature] ☒ Agent
☐ Addressee

B. Received by (Printed Name)

Adam Bursake C. Date of Delivery *5/16/18*

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

3. Service Type

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

(over \$500)

Domestic Return Receipt

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

OFFICIAL USE

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 \$

Postage

Total Postage and Fees

Chisholm Energy Agent, Inc.

Suite 1200 - Unit 20
801 Cherry Street
Fort Worth, Texas 76102

City, State, ZIP+4®

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

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

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

OFFICIAL USE

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 \$

Postage

Total Postage and Fees

Sent To McAnso, LLC and Bursake, LLC
P.O. Box 51407
Midland, Texas 79710

City, State, ZIP+4®

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

Postmark
Here

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:

Chisholm Energy Agent, Inc.
Suite 1200 - Unit 20
801 Cherry Street
Fort Worth, Texas 76102

9590 9402 3866 8060 2724 33

2. Article

7017 2680 0000 1763 6318

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

COMPLETE THIS SECTION ON DELIVERY

A. Signature

[Signature] ☐ Agent
☐ Addressee

B. Received by (Printed Name)

5/15/2018 C. Date of Delivery

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

3. Service Type

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

(over \$500)

Domestic Return Receipt

Offset Operators and Working Interest Owners

E/2 Section 24-18S-28E

Matador Production Company

S/2 Section 19

OXY USA Inc.

W/2 Section 20

OXY USA Inc.

E/2 Section 20

Cimarex Energy Co.

NE/4 and S/2 Section 19

Mewbourne Oil Company

S/2 Section 20

Chisholm Energy Operating, LLC

NE/4 Section 25 18S-28E

Read & Stevens, Inc.

S/2 Section 25-18S-28E

COG Operating LLC

EXHIBIT

6A

Oil Conservation Division
Case No. 7
Exhibit No. 7

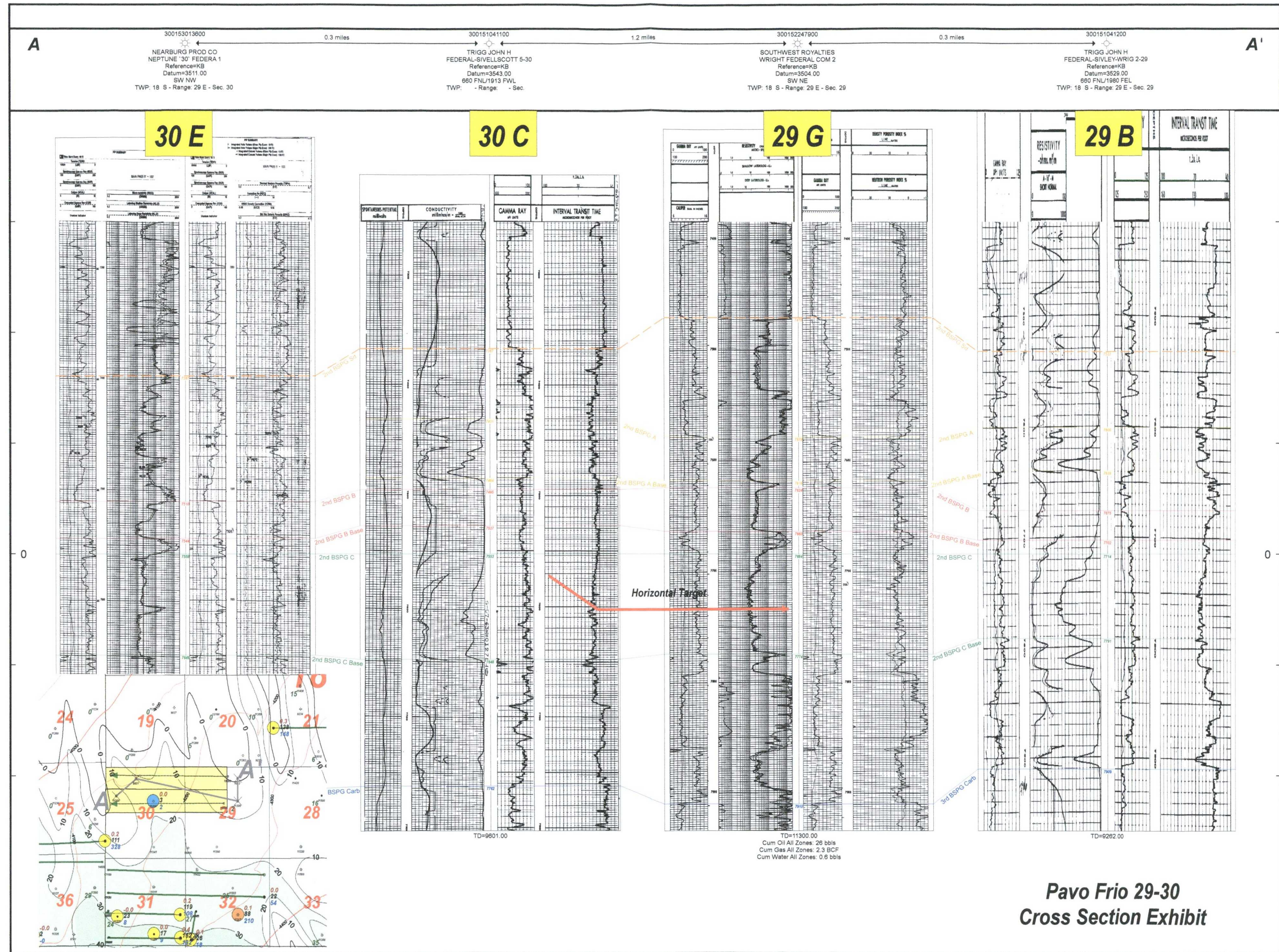
The map displays a topographic area with contour lines and spot elevations. A yellow rectangular region is highlighted in the center, containing a dashed line with arrows pointing left and a blue circle. A large 'A' is marked on the right side of this yellow region. Several yellow circles are scattered across the map, each with numerical values. A large 'A' is marked on the right side of the yellow area. The map includes a title block with 'Oil Conservation Division', 'Case No. 7', and 'Exhibit No. 7'.



- Proposed:
 Drilled:

Producing BSPG Zone
(1st BSPG Sd, 2nd BSPG Sd, etc)

C. Crosby



**Pavo Frio 29-30
Cross Section Exhibit**

Pavo Frio 29-30 Horizontal Bone Spring Production Table

Well Name	Operator	API	Location	BSPG Completion Date	Cum Oil (mbo)	Cum Gas (bcf)	Cum Water (mbw)	Orientation
War Horse Fed Com #3H	Tap Rock	3001541227	21IL/18S/29E	5/17/2014	138	0.3	148	EW
Lajitas BWP 1H	COG	3001543390	26-25OP/18S/28E	8/29/2016	111	0.2	328	EW
Pavo Macho 31-32 B2DA 1H	Mewbourne	3001543787	31-32DA/18S/29E	Pending	NA	NA	NA	EW
Pavo Macho 31-32 B2EH 1H	Mewbourne	3001543784	31-32EH/18S/29E	1/25/2018	22	0.0	54	EW
Pavo Macho 31 B2LI 1H	Mewbourne	3001544066	31LI/18S/29E	6/2/2017	119	0.2	108	EW
Pavo Macho 31 B2MP 1H	Mewbourne	3001543786	31MP/18S/29E	9/8/2016	152	0.4	182	EW
Empire A Fed #3H	Cimarex	3001538659	27MD/18S/29E	11/4/2011	17	0.1	29	NS
Palmillo State Com #4	Cimarex	3001531497	32LM/18S/29E	11/28/2012	26	0.1	18	NS

Oil Conservation Division
Case No. 16185 + 16186
Exhibit No. 9

Mewbourne Oil Company

SURVEY CALCULATION REPORT Minimum Curvature Calculations

Operator: Mewbourne Oil Company
Lease Name: *Pavo Frio 2930 B2CD Fea*
KOP 7247.54

SL: 550 FNL & 2600 FeL Sec 29-18S-29E
BHL: 450 FNL & 330 FWL Sec 30-18S-29E

Target KBTV: 7,725 Feet 7725.00
Target Angle: 91.23 Degrees 91.23
Section Plane: 270.59 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	HUR	DLS	KBH TVD	+Above -Below		DRIFT RADIANS	AZIMUTH (RADIAN)
														Target			
T/I	7247.54	0.00	270.59	N/A	7247.5	0.0	0.0	0.0	0.0	N/A	N/A	7247.5	477.5	1E-12	4.72	*VALUE!	
1	7323.58	9.13	270.59	76.044	7323.3	6.0	0.1	-6.0	6.0	270.6	12.0	12.0	7323.4	401.6	0.159267	4.72	0.159267
2	7399.62	18.25	270.59	76.044	7397.1	24.0	0.2	-24.0	24.0	270.6	12.0	12.0	7397.6	327.4	0.31853	4.72	0.159267
3	7475.67	27.38	270.59	76.044	7467.1	53.5	0.5	-53.5	53.5	270.6	12.0	12.0	7468.3	256.7	0.4778	4.72	0.159267
4	7551.71	36.50	270.59	76.044	7531.6	93.7	1.0	-93.7	93.7	270.6	12.0	12.0	7533.6	191.4	0.63707	4.72	0.159267
5	7627.76	45.63	270.59	76.044	7588.8	143.6	1.5	-143.6	143.6	270.6	12.0	12.0	7592.0	133.0	0.79634	4.72	0.159267
6	7703.80	54.75	270.59	76.044	7637.5	201.9	2.1	-201.9	201.9	270.6	12.0	12.0	7641.9	83.1	0.9556	4.72	0.159267
7	7779.85	63.88	270.59	76.044	7676.2	267.2	2.7	-267.2	267.2	270.6	12.0	12.0	7682.1	42.9	1.11487	4.72	0.159267
8	7855.89	73.00	270.59	76.044	7704.1	337.9	3.5	-337.9	337.9	270.6	12.0	12.0	7711.5	13.5	1.27414	4.72	0.159267
9	7931.94	82.13	270.59	76.044	7720.5	412.1	4.2	-412.0	412.1	270.6	12.0	12.0	7729.5	-4.5	1.4334	4.72	0.159267
10	8007.98	91.25	270.59	76.044	7724.9	487.9	5.0	-487.9	487.9	270.6	12.0	12.0	7735.6	-10.6	1.59267	4.72	0.159267
11	8100.00	91.25	270.59	92.02	7722.9	579.9	6.0	-579.9	579.9	270.6	0.0	0.0	7735.6	-10.6	1.59267	4.72	1E-10
12	8200.00	91.25	270.59	100	7720.7	679.9	7.0	-679.8	679.9	270.6	0.0	0.0	7735.6	-10.6	1.59267	4.72	1E-10
13	8300.00	91.25	270.59	100	7718.5	779.9	8.0	-779.8	779.9	270.6	0.0	0.0	7735.6	-10.6	1.59267	4.72	1E-10
14	8400.00	91.25	270.59	100	7716.3	879.8	9.0	-879.8	879.8	270.6	0.0	0.0	7735.6	-10.6	1.59267	4.72	1E-10
15	8500.00	91.25	270.59	100	7714.1	979.8	10.1	-979.8	979.8	270.6	0.0	0.0	7735.6	-10.6	1.59267	4.72	1E-10
16	8600.00	91.25	270.59	100	7711.9	1079.8	11.1	-1079.7	1079.8	270.6	0.0	0.0	7735.6	-10.6	1.59267	4.72	1E-10
17	8700.00	91.25	270.59	100	7709.7	1179.8	12.1	-1179.7	1179.8	270.6	0.0	0.0	7735.6	-10.6	1.59267	4.72	1E-10
18	8800.00	91.25	270.59	100	7707.6	1279.7	13.1	-1279.7	1279.7	270.6	0.0	0.0	7735.6	-10.6	1.59267	4.72	1E-10
19	8900.00	91.25	270.59	100	7705.4	1379.7	14.2	-1379.6	1379.7	270.6	0.0	0.0	7735.6	-10.6	1.59267	4.72	1E-10
20	9000.00	91.25	270.59	100	7703.2	1479.7	15.2	-1479.6	1479.7	270.6	0.0	0.0	7735.6	-10.6	1.59267	4.72	1E-10
21	9100.00	91.25	270.59	100	7701.0	1579.7	16.2	-1579.6	1579.7	270.6	0.0	0.0	7735.6	-10.6	1.59267	4.72	1E-10
22	9200.00	91.25	270.59	100	7698.8	1679.6	17.2	-1679.6	1679.6	270.6	0.0	0.0	7735.6	-10.6	1.59267	4.72	1E-10
23	9300.00	91.25	270.59	100	7696.6	1779.6	18.3	-1779.5	1779.6	270.6	0.0	0.0	7735.6	-10.6	1.59267	4.72	1E-10
24	9400.00	91.25	270.59	100	7694.4	1879.6	19.3	-1879.5	1879.6	270.6	0.0	0.0	7735.6	-10.6	1.59267	4.72	1E-10
25	9500.00	91.25	270.59	100	7692.3	1979.6	20.3	-1979.5	1979.6	270.6	0.0	0.0	7735.6	-10.6	1.59267	4.72	1E-10
26	9600.00	91.25	270.59	100	7690.1	2079.5	21.4	-2079.4	2079.5	270.6	0.0	0.0	7735.6	-10.6	1.59267	4.72	1E-10
27	9700.00	91.25	270.59	100	7687.9	2179.5	22.4	-2179.4	2179.5	270.6	0.0	0.0	7735.6	-10.6	1.59267	4.72	1E-10
28	9800.00	91.25	270.59	100	7685.7	2279.5	23.4	-2279.4	2279.5	270.6	0.0	0.0	7735.6	-10.6	1.59267	4.72	1E-10
29	9900.00	91.25	270.59	100	7683.5	2379.5	24.4	-2379.4	2379.5	270.6	0.0	0.0	7735.6	-10.6	1.59267	4.72	1E-10
30	10000.00	91.25	270.59	100	7681.3	2479.5	25.5	-2479.3	2479.5	270.6	0.0	0.0	7735.6	-10.6	1.59267	4.72	1E-10
31	10100.00	91.25	270.59	100	7679.1	2579.4	26.5	-2579.3	2579.4	270.6	0.0	0.0	7735.6	-10.6	1.59267	4.72	1E-10
32	10200.00	91.25	270.59	100	7676.9	2679.4	27.5	-2679.3	2679.4	270.6	0.0	0.0	7735.6	-10.6	1.59267	4.72	1E-10
33	10300.00	91.25	270.59	100	7674.8	2779.4	28.5	-2779.2	2779.4	270.6	0.0	0.0	7735.6	-10.6	1.59267	4.72	1E-10
34	10400.00	91.25	270.59	100	7672.6	2879.4	29.6	-2879.2	2879.4	270.6	0.0	0.0	7735.6	-10.6	1.59267	4.72	1E-10
35	10500.00	91.25	270.59	100	7670.4	2979.3	30.6	-2979.2	2979.3	270.6	0.0	0.0	7735.6	-10.6	1.59267	4.72	1E-10
36	10600.00	91.25	270.59	100	7668.2	3079.3	31.6	-3079.1	3079.3	270.6	0.0	0.0	7735.6	-10.6	1.59267	4.72	1E-10
37	10700.00	91.25	270.59	100	7666.0	3179.3	32.6	-3179.1	3179.3	270.6	0.0	0.0	7735.6	-10.6	1.59267	4.72	1E-10
38	10800.00	91.25	270.59	100	7663.8	3279.3	33.7	-3279.1	3279.3	270.6	0.0	0.0	7735.6	-10.6	1.59267	4.72	1E-10
39	10900.00	91.25	270.59	100	7661.6	3379.2	34.7	-3379.1	3379.2	270.6	0.0	0.0	7735.6	-10.6	1.59267	4.72	1E-10
40	11000.00	91.25	270.59	100	7659.4	3479.2	35.7	-3479.0	3479.2	270.6	0.0	0.0	7735.6	-10.6	1.59267	4.72	1E-10
41	11100.00	91.25	270.59	100	7657.3	3579.2	36.8	-3579.0	3579.2	270.6	0.0	0.0	7735.6	-10.6	1.59267	4.72	1E-10
42	11200.00	91.25	270.59	100	7655.1	3679.2	37.8	-3679.0	3679.2	270.6	0.0	0.0	7735.6	-10.6	1.59267	4.72	1E-10
43	11300.00	91.25	270.59	100	7652.9	3779.1	38.8	-3778.9	3779.1	270.6	0.0	0.0	7735.6	-10.6	1.59267	4.72	1E-10
44	11400.00	91.25	270.59	100	7650.7	3879.1	39.8	-3878.9	3879.1	270.6	0.0	0.0	7735.6	-10.6	1.59267	4.72	1E-10
45	11500.00	91.25	270.59	100	7648.5	3979.1	40.9	-3978.9	3979.1	270.6	0.0	0.0	7735.6	-10.6	1.59267	4.72	1E-10
46	11600.00	91.25	270.59	100	7646.3	4079.1	41.9	-4078.9	4079.1	270.6	0.0	0.0	7735.6	-10.6	1.59267	4.72	1E-10
47	11700.00	91.25	270.59	100	7644.1	4179.0	42.9	-4178.8	4179.0	270.6	0.0	0.0	7735.6	-10.6	1.59267	4.72	1E-10
48	11800.00	91.25	270.59	100	7641.9	4279.0	43.9	-4278.8	4279.0	270.6	0.0	0.0	7735.6	-10.6	1.59267	4.72	1E-10
49	11900.00	91.25	270.59	100	7639.8	4379.0	45.0	-4378.8	4379.0	270.6	0.0	0.0	7735.6	-10.6	1.59267	4.72	1E-10
50	12000.00	91.25	270.59	100	7637.6	4479.0	46.0	-4478.7	4479.0	270.6	0.0	0.0	7735.6	-10.6	1.59267	4.72	1E-10
51	12100.00	91.25	270.59	100	7635.4	4578.9	47.0	-4578.7	4578.9	270.6	0.0	0.0	7735.6	-10.6	1.59267	4.72	1E-10
52	12200.00	91.25	270.59	100	7633.2	4678.9	48.0	-4678.7	4678.9	270.6	0.0	0.0	7735.6	-10.6	1.59267	4.72	1E-10
53	12300.00	91.25	270.59	100	7631.0	4778.9	49.1	-4778.6	4778.9	270.6	0.0	0.0	7735.6	-10.6	1.59267	4.72	1E-10
54	12400.00	91.25	270.59	100	7628.8	4878.9	50.1	-4878.6	4878.9	270.6	0.0	0.0	7735.6	-10.6	1.59267	4.72	1E-10
55	12500.00	91.25	270.59	100	7626.6	4978.9	51.1	-4978.6	4978.9	270.6	0.0	0.0	7735.6	-10.6	1.59267	4.72	1E-10
56	12600.00	91.25	270.59	100	7624.4	5078.8	52.2	-5078.6	5078.8	270.6	0.0	0.0	7735.6	-10.6	1.59267	4.72	1E-10
57	12700.00	91.25	270.59	100	7622.3	5178.8	53.2	-5178.5	5178.8	270.6	0.0	0.0	7735.6	-10.6	1.59267	4.72	1E-10
58	12800.00	91.25	270.59	100	7620.1	5278.8	54.2	-5278.5	5278.8	270.6	0.0	0.0	7735.6	-10.6	1.59267	4.72	1E-10
59	12900.00	91.25	270.59	100	7617.9	5378.8	55.2	-5378.5	5378.8	270.6	0.0	0.0	7735.6	-10.6			

Mewbourne Oil Company

SURVEY CALCULATION REPORT Minimum Curvature Calculations

Operator: Mewbourne Oil Company
Lease Name: *Pava Frio 29/30 B2FE Fed*
KOP 7229.54
SL: 2100 FNL & 2450 FWL Sec 29-18S-29E
BHL: 2100 FNL & 330 FWL Sec 30-18S-29E

Target KBTVD: 7.707 Feet 7707.00
Target Angle: 90.78 Degrees 90.78
Section Plane: 269.79 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/1	7229.54	0.00	269.79	N/A	7229.5	0.0	0.0	0.0	0.0	0.0	N/A	N/A	7229.5	477.5	1E-12	4.71	#VALUE!
1	7305.18	9.08	269.79	75.649	7304.9	6.0	0.0	-6.0	6.0	269.8	12.0	12.0	7304.9	402.1	0.15844	4.71	0.158438
2	7380.83	18.16	269.79	75.649	7378.3	23.8	-0.1	-23.8	23.8	269.8	12.0	12.0	7378.6	328.4	0.31688	4.71	0.158438
3	7456.48	27.23	269.79	75.649	7448.0	52.9	-0.2	-52.9	52.9	269.8	12.0	12.0	7448.8	258.2	0.47531	4.71	0.158438
4	7532.13	36.31	269.79	75.649	7512.3	92.7	-0.3	-92.7	92.7	269.8	12.0	12.0	7513.5	193.3	0.63375	4.71	0.158438
5	7607.78	45.39	269.79	75.649	7569.4	142.1	-0.5	-142.1	142.1	269.8	12.0	12.0	7571.4	135.6	0.79219	4.71	0.158438
6	7683.43	54.47	269.79	75.649	7618.1	200.0	-0.7	-200.0	200.0	269.8	12.0	12.0	7620.8	86.2	0.95063	4.71	0.158438
7	7759.08	63.54	269.79	75.649	7657.0	264.8	-1.0	-264.8	264.8	269.8	12.0	12.0	7660.6	46.4	1.10907	4.71	0.158438
8	7834.72	72.62	269.79	75.649	7685.2	334.9	-1.2	-334.9	334.9	269.8	12.0	12.0	7689.8	17.2	1.26751	4.71	0.158438
9	7910.37	81.70	269.79	75.649	7702.0	408.5	-1.5	-408.5	408.5	269.8	12.0	12.0	7707.5	-0.5	1.42594	4.71	0.158438
10	7986.02	90.78	269.79	75.649	7707.0	484.0	-1.8	-483.9	484.0	269.8	12.0	12.0	7713.5	-6.5	1.58438	4.71	0.158438
11	8000.00	90.78	269.79	13.974	7706.8	497.9	-1.8	-497.9	497.9	269.8	0.0	0.0	7713.5	-6.5	1.58438	4.71	1E-10
12	8100.00	90.78	269.79	100	7705.4	597.9	-2.2	-597.9	597.9	269.8	0.0	0.0	7713.5	-6.5	1.58438	4.71	1E-10
13	8200.00	90.78	269.79	100	7704.0	697.9	-2.6	-697.9	697.9	269.8	0.0	0.0	7713.5	-6.5	1.58438	4.71	1E-10
14	8300.00	90.78	269.79	100	7702.7	797.9	-2.9	-797.9	797.9	269.8	0.0	0.0	7713.5	-6.5	1.58438	4.71	1E-10
15	8400.00	90.78	269.79	100	7701.3	897.9	-3.3	-897.9	897.9	269.8	0.0	0.0	7713.5	-6.5	1.58438	4.71	1E-10
16	8500.00	90.78	269.79	100	7700.0	997.9	-3.7	-997.9	997.9	269.8	0.0	0.0	7713.5	-6.5	1.58438	4.71	1E-10
17	8600.00	90.78	269.79	100	7698.6	1097.9	-4.1	-1097.9	1097.9	269.8	0.0	0.0	7713.5	-6.5	1.58438	4.71	1E-10
18	8700.00	90.78	269.79	100	7697.3	1197.9	-4.4	-1197.9	1197.9	269.8	0.0	0.0	7713.5	-6.5	1.58438	4.71	1E-10
19	8800.00	90.78	269.79	100	7695.9	1297.9	-4.8	-1297.8	1297.9	269.8	0.0	0.0	7713.5	-6.5	1.58438	4.71	1E-10
20	8900.00	90.78	269.79	100	7694.5	1397.8	-5.2	-1397.8	1397.8	269.8	0.0	0.0	7713.5	-6.5	1.58438	4.71	1E-10
21	9000.00	90.78	269.79	100	7693.2	1497.8	-5.5	-1497.8	1497.8	269.8	0.0	0.0	7713.5	-6.5	1.58438	4.71	1E-10
22	9100.00	90.78	269.79	100	7691.8	1597.8	-5.9	-1597.8	1597.8	269.8	0.0	0.0	7713.5	-6.5	1.58438	4.71	1E-10
23	9200.00	90.78	269.79	100	7690.5	1697.8	-6.3	-1697.8	1697.8	269.8	0.0	0.0	7713.5	-6.5	1.58438	4.71	1E-10
24	9300.00	90.78	269.79	100	7689.1	1797.8	-6.6	-1797.8	1797.8	269.8	0.0	0.0	7713.5	-6.5	1.58438	4.71	1E-10
25	9400.00	90.78	269.79	100	7687.7	1897.8	-7.0	-1897.8	1897.8	269.8	0.0	0.0	7713.5	-6.5	1.58438	4.71	1E-10
26	9500.00	90.78	269.79	100	7686.4	1997.8	-7.4	-1997.8	1997.8	269.8	0.0	0.0	7713.5	-6.5	1.58438	4.71	1E-10
27	9600.00	90.78	269.79	100	7685.0	2097.8	-7.7	-2097.8	2097.8	269.8	0.0	0.0	7713.5	-6.5	1.58438	4.71	1E-10
28	9700.00	90.78	269.79	100	7683.7	2197.8	-8.1	-2197.8	2197.8	269.8	0.0	0.0	7713.5	-6.5	1.58438	4.71	1E-10
29	9800.00	90.78	269.79	100	7682.3	2297.8	-8.5	-2297.7	2297.8	269.8	0.0	0.0	7713.5	-6.5	1.58438	4.71	1E-10
30	9900.00	90.78	269.79	100	7681.0	2397.8	-8.8	-2397.7	2397.8	269.8	0.0	0.0	7713.5	-6.5	1.58438	4.71	1E-10
31	10000.00	90.78	269.79	100	7679.6	2497.7	-9.2	-2497.7	2497.7	269.8	0.0	0.0	7713.5	-6.5	1.58438	4.71	1E-10
32	10100.00	90.78	269.79	100	7678.2	2597.7	-9.6	-2597.7	2597.7	269.8	0.0	0.0	7713.5	-6.5	1.58438	4.71	1E-10
33	10200.00	90.78	269.79	100	7676.9	2697.7	-10.0	-2697.7	2697.7	269.8	0.0	0.0	7713.5	-6.5	1.58438	4.71	1E-10
34	10300.00	90.78	269.79	100	7675.5	2797.7	-10.3	-2797.7	2797.7	269.8	0.0	0.0	7713.5	-6.5	1.58438	4.71	1E-10
35	10400.00	90.78	269.79	100	7674.2	2897.7	-10.7	-2897.7	2897.7	269.8	0.0	0.0	7713.5	-6.5	1.58438	4.71	1E-10
36	10500.00	90.78	269.79	100	7672.8	2997.7	-11.1	-2997.7	2997.7	269.8	0.0	0.0	7713.5	-6.5	1.58438	4.71	1E-10
37	10600.00	90.78	269.79	100	7671.4	3097.7	-11.4	-3097.7	3097.7	269.8	0.0	0.0	7713.5	-6.5	1.58438	4.71	1E-10
38	10700.00	90.78	269.79	100	7670.1	3197.7	-11.8	-3197.7	3197.7	269.8	0.0	0.0	7713.5	-6.5	1.58438	4.71	1E-10
39	10800.00	90.78	269.79	100	7668.7	3297.7	-12.2	-3297.6	3297.7	269.8	0.0	0.0	7713.5	-6.5	1.58438	4.71	1E-10
40	10900.00	90.78	269.79	100	7667.4	3397.7	-12.5	-3397.6	3397.7	269.8	0.0	0.0	7713.5	-6.5	1.58438	4.71	1E-10
41	11000.00	90.78	269.79	100	7666.0	3497.7	-12.9	-3497.6	3497.7	269.8	0.0	0.0	7713.5	-6.5	1.58438	4.71	1E-10
42	11100.00	90.78	269.79	100	7664.7	3597.6	-13.3	-3597.6	3597.6	269.8	0.0	0.0	7713.5	-6.5	1.58438	4.71	1E-10
43	11200.00	90.78	269.79	100	7663.3	3697.6	-13.6	-3697.6	3697.6	269.8	0.0	0.0	7713.5	-6.5	1.58438	4.71	1E-10
44	11300.00	90.78	269.79	100	7661.9	3797.6	-14.0	-3797.6	3797.6	269.8	0.0	0.0	7713.5	-6.5	1.58438	4.71	1E-10
45	11400.00	90.78	269.79	100	7660.6	3897.6	-14.4	-3897.6	3897.6	269.8	0.0	0.0	7713.5	-6.5	1.58438	4.71	1E-10
46	11500.00	90.78	269.79	100	7659.2	3997.6	-14.7	-3997.6	3997.6	269.8	0.0	0.0	7713.5	-6.5	1.58438	4.71	1E-10
47	11600.00	90.78	269.79	100	7657.9	4097.6	-15.1	-4097.6	4097.6	269.8	0.0	0.0	7713.5	-6.5	1.58438	4.71	1E-10
48	11700.00	90.78	269.79	100	7656.5	4197.6	-15.5	-4197.6	4197.6	269.8	0.0	0.0	7713.5	-6.5	1.58438	4.71	1E-10
49	11800.00	90.78	269.79	100	7655.1	4297.6	-15.9	-4297.5	4297.6	269.8	0.0	0.0	7713.5	-6.5	1.58438	4.71	1E-10
50	11900.00	90.78	269.79	100	7653.8	4397.6	-16.2	-4397.5	4397.6	269.8	0.0	0.0	7713.5	-6.5	1.58438	4.71	1E-10
51	12000.00	90.78	269.79	100	7652.4	4497.6	-16.6	-4497.5	4497.6	269.8	0.0	0.0	7713.5	-6.5	1.58438	4.71	1E-10
52	12100.00	90.78	269.79	100	7651.1	4597.5	-17.0	-4597.5	4597.5	269.8	0.0	0.0	7713.5	-6.5	1.58438	4.71	1E-10
53	12200.00	90.78	269.79	100	7649.7	4697.5	-17.3	-4697.5	4697.5	269.8	0.0	0.0	7713.5	-6.5	1.58438	4.71	1E-10
54	12300.00	90.78	269.79	100	7648.4	4797.5	-17.7	-4797.5	4797.5	269.8	0.0	0.0	7713.5	-6.5	1.58438	4.71	1E-10
55	12400.00	90.78	269.79	100	7647.0	4897.5	-18.1	-4897.5	4897.5	269.8	0.0	0.0	7713.5	-6.5	1.58438	4.71	1E-10
56	12500.00	90.78	269.79	100	7645.6	4997.5	-18.4	-4997.5	4997.5	269.8	0.0	0.0	7713.5	-6.5	1.58438	4.71	1E-10
57	12600.00	90.78	269.79	100	7644.3	5097.5	-18.8	-5097.5	5097.5	269.8	0.0	0.0	7713.5	-6.5	1.58438	4.71	1E-10
58	12700.00	90.78	269.79	100	7642.9	5197.5	-19.2	-5197.5	5197.5	269.8	0.0	0.0	7713.5	-6.5	1.58438	4.71	1E-10
59	12800.00	90.78	269.79	100	7641.6	5297.5	-19.5	-5297.4	5297.5	269.8	0.0	0.0	7713.5</				