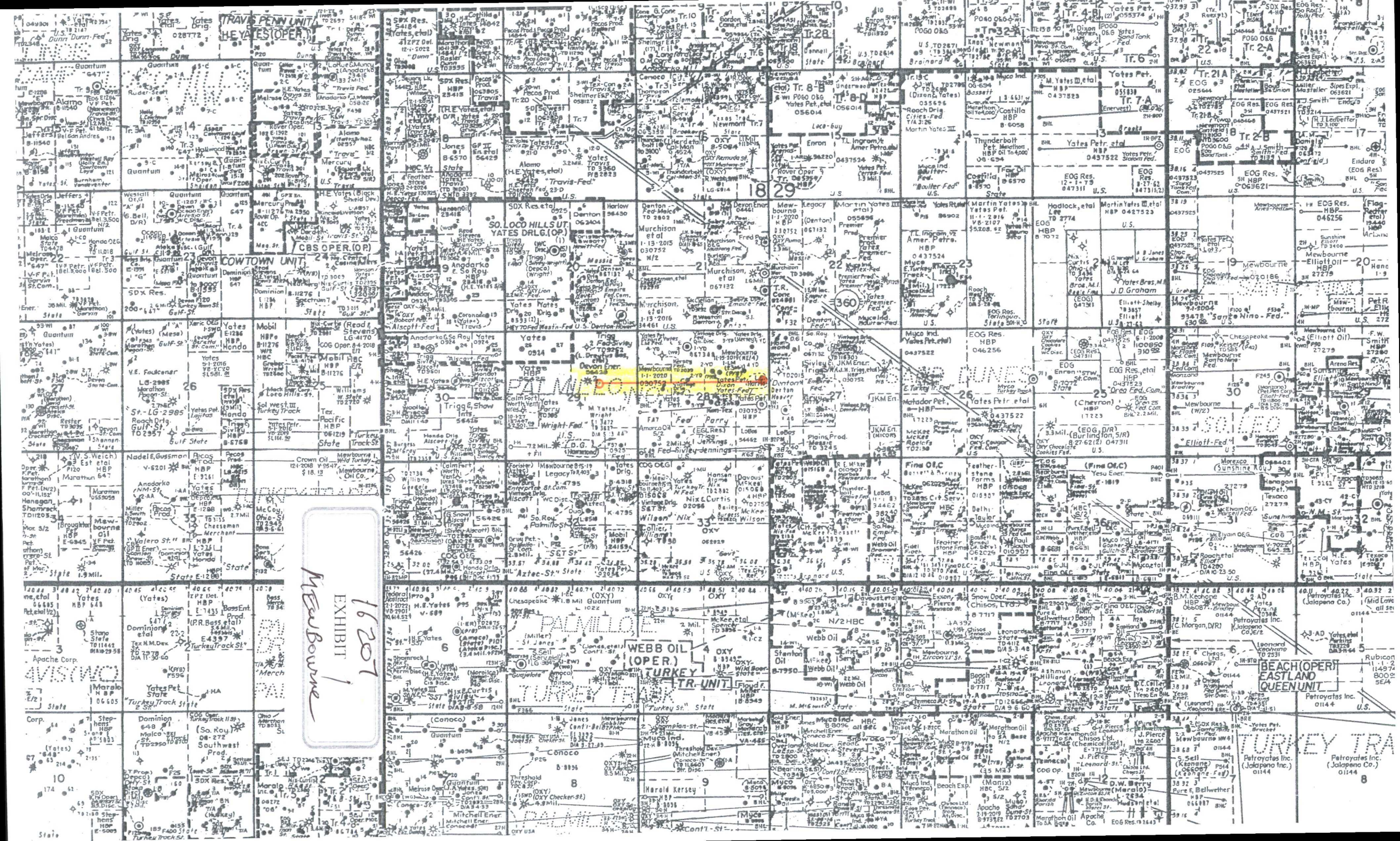




District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis 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 29/28 B2GH FEDERAL COM			6 Well Number 1H
7 OGRID NO.		8 Operator Name MEWBOURNE OIL COMPANY			9 Elevation 3481'

10 Surface Location

UL or lot no. F	Section 29	Township 18S	Range 29E	Lot Idn	Feet from the 2100	North/South line NORTH	Feet From the 2500	East/West line WEST	County EDDY
---------------------------	----------------------	------------------------	---------------------	---------	------------------------------	----------------------------------	------------------------------	-------------------------------	-----------------------

11 Bottom Hole Location If Different From Surface

UL or lot no. H	Section 28	Township 18S	Range 29E	Lot Idn	Feet from the 2100	North/South line NORTH	Feet from the 330	East/West line EAST	County EDDY
---------------------------	----------------------	------------------------	---------------------	---------	------------------------------	----------------------------------	-----------------------------	-------------------------------	-----------------------

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

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

© S 89°44'57" W 2639.32' (D) S 89°46'04" W 2643.38' (E) S 89°48'48" W 2634.49' (F) S 89°55'49" W 2638.55' (G) 16 GEODETIC DATA NAD 83 GRID - NM EAST SURFACE LOCATION N 625720.1 - E 613904.2 LAT: 32.7199227° N LONG: 104.0973761° W BOTTOM HOLE N 625742.8 - E 621631.4 LAT: 32.7199354° N LONG: 104.0722507° W CORNER DATA NAD 83 GRID - NM EAST A: FOUND BRASS CAP "1916" N 622529.0 - E 611414.5 B: FOUND BRASS CAP "1916" N 625169.6 - E 611406.3 C: FOUND BRASS CAP "1916" N 627808.7 - E 611399.3 D: FOUND BRASS CAP "1916" N 627820.2 - E 614038.0 E: FOUND BRASS CAP "1916" N 627830.9 - E 616680.7 F: FOUND BRASS CAP "1916" N 627839.5 - E 619314.5 G: FOUND BRASS CAP "1916" N 627842.7 - E 621952.4 H: FOUND 1" BAR N 625208.0 - E 621963.5 I: FOUND BRASS CAP "1916" N 622568.7 - E 621969.3 J: FOUND BRASS CAP "1916" N 622549.6 - E 616690.4 K: FOUND BRASS CAP "1916" N 622539.0 - E 614052.2 L: FOUND BRASS CAP "1916" N 625190.5 - E 616682.8		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
--	--	---

Job No.: LS1802233

Case No. 16207

TRACT OWNERSHIP

Pavo Frio 29/28 B2GH Fed. Com #1H
S/2NE/4 of Section 29 and S/2S/2 of Section 28,
T18S, R29E, Eddy County, New Mexico

S/2NE/4 of Section 29:

Mewbourne Oil Company	100.00%
-----------------------	---------

S/2NE/4 of Section 28:

Mewbourne Oil Company	47.916667%
EOG Y Resources, Inc.	40.833333%
Jalapeno Corporation	5.000000%
EOG Resources Assets, LLC	3.333333%
Santo Legado, LLC	1.666667%
Irma Leota Davis	1.250000%
	100.000000%

SE/4NW/4 of Section 28:

Mewbourne Oil Company	47.916667%
EOG Y Resources, Inc.	40.833333%
Jalapeno Corporation	5.000000%
EOG Resources Assets, LLC	3.333333%
Santo Legado, LLC	1.666667%
Irma Leota Davis	1.250000%
	100.000000%

SW/4NW/4 of Section 28:

Mewbourne Oil Company	56.250%
EOG Y Resources, Inc.	37.500%
Barry Lee Bradford	3.125%
Todd E. Westmoreland	3.125%
	100.000000%



Ownership in Project Area:

Mewbourne Oil Company	66.665%
*EOG Y Resources, Inc.	26.668%
Jalapeno Corporation	2.500%
*EOG Resources Assets, LLC	1.668%
Santo Legado, LLC	0.834%
Irma Leota Davis	0.625%
Barry Lee Bradford	0.520%
Todd E. Westmoreland	0.520%
	<u>100.0000%</u>

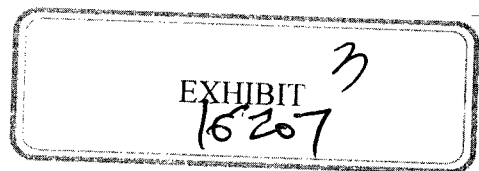
Note: These are the uncommitted owners.

CASE NO. 16207

Summary of Communications:
Pavo Frio 29/28 B2GH Fed Com #1H
S/2NE/4 of Section 29 and S/2N/2 of Section 28,
T18S, R29E, Eddy County, New Mexico

Contact: EOG Y Resources, Inc. and EOG Resources Assets LLC
Chuck Moran – Landman (432) 686-3684

- 03-27-2018:** Hand delivered well proposal letter with AFEs for the proposed Pavo Frio 29/28 B2GH Fed. Com #1H Well and Pavo Frio 29/28 B2BA Fed. Com #1H Well.
- 06-05-2018:** Follow up email to Chuck regarding the Pavo Frio 29/28 B2GH Fed. Com #1H Well with reminder that the Pooling Hearing was to take place June 14, 2018.
- 06-06-2018:** Reply email to Chuck regarding the status of a previous Operating Agreement that had expired.
- 06-06-2018:** Phone conversation with Chuck regarding EOG's interest. EOG will probably sell its interest to a third party and not participate in our proposed wells. MOC currently has an offer out to EOG to purchase the EOG interest.



Paul Haden

From: Paul Haden
Sent: Wednesday, June 06, 2018 1:01 PM
To: Charles Moran
Subject: RE: Pavo Frio 29/28 B2GH Fed Com #1H

Hi Chuck , I just now had time to check emails . As far as I know that JOA is dead due to no production . I think you said that the well is scheduled to be plugged .

Paul Haden
Land Department



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

From: Charles Moran [mailto:Charles_Moran@eogresources.com]
Sent: Tuesday, June 05, 2018 6:59 PM
To: Paul Haden
Subject: RE: Pavo Frio 29/28 B2GH Fed Com #1H

Paul: It needs to be worked up, but I believe it is one we would take to market. I told Cory at Lunch you and I had talked about it. The question is my head was the old JOA; was it dead or alive? You answered it and I can't remember what the answer was.

I am bogged down in the Chicago well chasing Malaga tracts in Sec. 23.

Chuck Moran
EOG Resources, Inc. - Midland Division
432-686-3684



From: Paul Haden [<mailto:phaden@Mewbourne.com>]
Sent: Tuesday, June 05, 2018 4:27 PM
To: Charles Moran <Charles_Moran@eogresources.com>
Subject: Re: Pavo Frio 29/28 B2GH Fed Com #1H

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

Chuck , as a reminder , the Pooling Case for the captioned proposed well is to take place next Thursday , June 14th . Any word on what EOG wants to do regarding their participation in this well or not ?

Paul Haden
Land Department

Paul Haden

From: Paul Haden
Sent: Tuesday, June 05, 2018 4:23 PM
To: Charles_Moran@eogresources.com
Subject: Re: Virgo 24/23 B2HE Fed Com #1H , Virgo 24/23 B2IL Fed Com #1H Wells

Chuck , just as a reminder , the Pooling Cases for the above wells are scheduled to take place next Thursday , June 14th . Has EOG had a change of heart on its stance for the referenced B2IL well to be drilled in the N/2S/2 and N/2S/2 Sec 24 and 23 ? Any word on our offers to acquire EOG's interest in these and other Prospects ?

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

MEWBOURNE OIL COMPANY

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

March 27, 2018

Hand Delivered

EOG Y Resources, Inc. and
EOG Resources Assets LLC
5509 Champions Drive
Midland, Texas 79706
Attn: Mr. Chuck Moran

Re: Pavo Frio 29/28 WIU
NE/4 and S/2, Section 29 and
All of Section 28, T18S, R29E
Eddy County, New Mexico

Gentlemen:

Mewbourne Oil Company ("Mewbourne") as Operator proposes the formation of a Working Interest Unit (WIU) covering the captioned land comprising of 1,120 acres for Bone Spring oil and gas production. Mewbourne proposes to drill the following initial wells in the proposed WIU:

The Pavo Frio 29/28 B2BA Fed Com #1H well will be drilled at a surface location 550' FNL & 2,450' FEL of the captioned Section 29 and drilled to a terminus point 400' FNL & 330' FEL of the captioned Section 28 as the bottom hole location. The proposed well will be drilled vertically at the referenced surface location to a true vertical depth of approximately 7,725 feet beneath the surface in the Bone Spring formation and drilled horizontally therefrom to an easterly direction in the Second Bone Spring Sand interval in the Bone Spring formation to the referenced bottom hole location with the true measured depth being approximately 14,925 feet. The N/2NE/4 of Section 29 and N/2N/2 of Section 28 will be dedicated to the well as its nonstandard proration unit and project area comprising 240 acres, more or less.

The Pavo Frio 29/28 B2GH Fed Com #1H well will be drill at a surface location 2,100' FNL & 2,450' FEL of the captioned Section 29 and drilled to a terminus point 2,100' FNL & 330' FEL of the captioned Section 28 as the bottom hole location. The proposed well will be drilled vertically at the referenced surface location to a true vertical depth of approximately 7,730 feet beneath the surface in the Bone Spring formation and drilled horizontally therefrom to an easterly direction in the Second Bone Spring Sand interval in the Bone Spring formation to the referenced bottom hole location with the true measured depth being approximately 14,930 feet. The S/2NE/4 of Section 29 and S/2N/2 of Section 28 will be dedicated to the well as its nonstandard proration unit and project area comprising 240 acres, more or less.

According to Public Records, EOG Y Resources, Inc. owns the following leasehold interest in the following lands:

- 1) NE/4 Section 28, below 2,147' – 11,600': 40.833333% WI; 65.33333 net acres.
- 2) NE/4NW/4 Section 28, below 3,329' – 11,600' and SE/4NW/4 Section 28, below 2,126' – 11,600': 40.833333% WI; 32.66666 net acres.
- 3) NW/4NW/4 Section 28, surface to 11,600': 40.833333% WI; 16.33333 net acres.
- 4) SW/4NW/4 Section 28, below 4,000': 37.50000% WI; 15.00000 net acres.

Total net acreage = 129.3332

According to Public Records, EOG Resources Assets LLC owns the following leasehold interest in the following lands:

- 1) S/2 Section 28, below 4,000' – 11,420': 0.208333% WI; 0.66666 net acres.
- 2) NE/4 Section 28, below 2,147' – 11,600': 3.33333% WI; 5.33333 net acres.
- 3) NE/4NW/4 Section 28, below 3,329' – 11,600' and SE/4NW/4 Section 28, below 2,126' – 11,600': 3.33333% WI; 2.66666 net acres.
- 4) NW/4NW/4 Section 28, surface to 11,600': 3.33333% WI; 1.33333 net acres.

Total net acreage = 9.99998

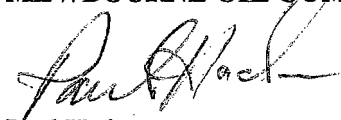
In the event EOG Y Resources, Inc. and EOG Resources Assets LLC elect to participate in the above proposed wells and WIU, please have the enclosed AFEs signed and returned to me within thirty (30) days of receipt of same. Our proposed Operating Agreement covering the Bone Spring formation for the captioned WIU will be sent to you under separate cover in the near future. Currently we are having a Drilling Title Opinion rendered for the proposed WIU and I'll provide you a copy of same upon availability.

In the event EOG Y Resources, Inc. and EOG Resources Assets LLC elect not to participate in the proposed WIU, Mewbourne offers to purchase a Term Assignment of Operating Rights covering such interests on the basis of \$3,000.00 per net acre providing Mewbourne a 75% net revenue interest with such term assignment providing a 3 year primary term. Alternatively, Mewbourne would be agreeable to acquiring a Farmout Agreement covering the above referenced interests.

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

Sincerely,

MEWBOURNE OIL COMPANY



Paul Haden
Landman

AUTHORIZATION FOR EXPENDITURERevised: 3/09/2017

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

May 25, 2018

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

To: Persons on Exhibit A

Ladies and gentlemen:

Enclosed is a copy of an application for a non-standard unit and compulsory pooling, filed with the New Mexico Oil Conservation Division by Mewbourne Oil Company, regarding a Bone Spring well in the S/2NE/4 of Section 29 and the S/2N/2 of Section 28, Township 18 South, Range 29 East, NMPM, Eddy County, New Mexico.

This matter is scheduled for hearing at 8:15 a.m. on Thursday, June 14, 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, June 7, 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
James Bruce

Attorney for Mewbourne Oil Company



EXHIBIT A

EOG Y Resources, Inc.
EOG Resources Assets LLC
5509 Champions Drive
Midland, Texas 79706

Attention: Chuck Moran

7017 2680 0000 1763 6479

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☐ Adult Signature Restricted Delivery \$

Postage

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Total Postage and Fees

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Sent To

EOG Y Resources, Inc.
EOG Resources Assets LLC
5509 Champions Drive
Midland, Texas 79706

Street and Apt. No., or PO

City, State, ZIP+4[®]

Postmark
Here

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

See Reverse for Instructions

Offset Operators and Working Interest Owners

N/2 and N/2S/2 Section 27

Cimarex Energy Co.

N/2N/2 and N/2S/2 Section 28

Mewbourne Oil Company

N/2N/2, S/2NW/4, and N/2S/2 Section 29

Mewbourne Oil Company

EXHIBIT 7

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)

jamesbruc@aol.com

May 25, 2018

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

To: Persons on Exhibit A

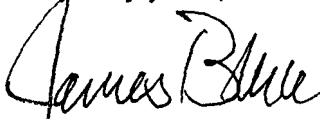
Ladies and gentlemen:

Enclosed is a copy of an application for a non-standard unit, *etc.*, filed with the New Mexico Oil Conservation Division by Mewbourne Oil Company, regarding a Bone Spring well in the S/2NE/4 of Section 29 and the S/2N/2 of Section 28, Township 18 South, Range 29 East, NMPM, Eddy County, New Mexico.

The matter is scheduled for hearing at 8:15 a.m. on Thursday, June 14, 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 the hearing, but **as an offset operator or interest owner** 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, June 7, 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



EXHIBIT A

Cimarex Energy Co.
of Colorado
Suite 600
600 North Marienfeld
Midland, Texas 79701

7017 2680 0000 1763 6462

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☐ Adult Signature Restricted Delivery \$

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Postage \$
 Total Postage and Fees \$
 Sent To Cimarex Energy Co.
 of Colorado
 Suite 600
 Street and Apt. No., or P.O. 600 North Marienfeld
 Midland, Texas 79701
 City, State, ZIP+4®

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:

Cimarex Energy Co.
 of Colorado
 Suite 600
 600 North Marienfeld
 Midland, Texas 79701



9590 9402 3866 8060 2723 34

2. Article Number (Transfer from service label)

7017 2680 0000 1763 6462

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X *[Signature]*

- ☐ Agent
☐ Addressee

B. Received by (Printed Name)

C. Date of Delivery

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

3. Service Type

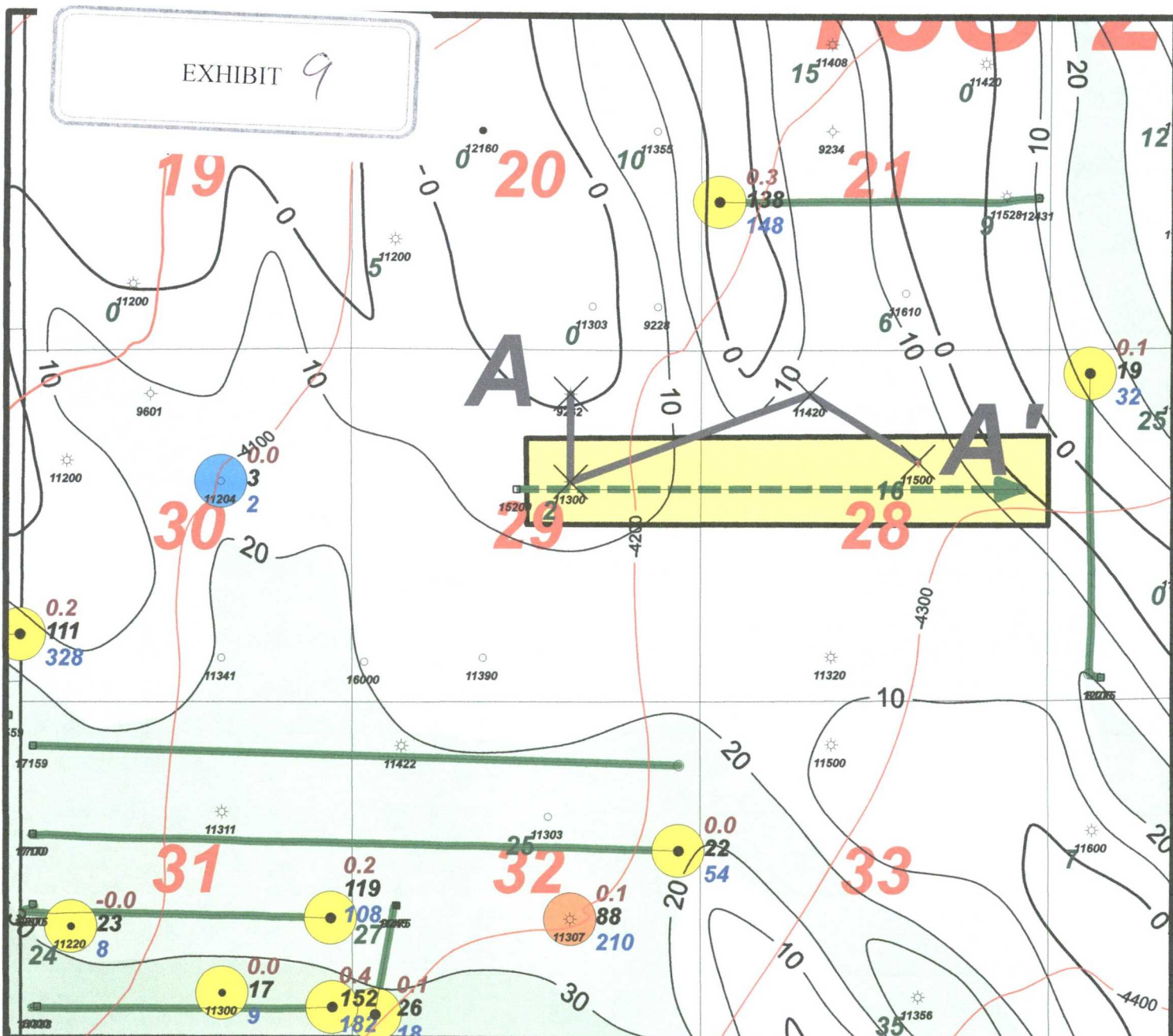
- ☐ Adult Signature
☐ Adult Signature Restricted Delivery
☒ Certified Mail®
☐ Certified Mail Restricted Delivery
☐ Collect on Delivery
☐ Collect on Delivery Restricted Delivery
☐ Priority Mail Express®
☐ Registered Mail™
☐ Registered Mail Restricted Delivery
☐ Return Receipt for Merchandise
☐ Signature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

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

M - PF 29/25 B267

Domestic Return Receipt

EXHIBIT 9



BSPG Production Circles

- Avalon Sand
- Avalon Shale
- 1st BSPG Sd
- BSPG Carb
- 2nd BSPG Sd
- Harkey Sd
- 3rd BSPG Sd

Bone Spring Horizontal Activity

2nd BSPG Sand

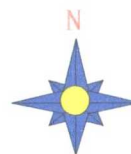
3rd BSPG Sand

Proposed: ☐ ☐ ☐
 Drilled: ☒

Net Sd  TD Cum BCF Cum MBO Cum MBW

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

1 inch = 2300 feet



Mewbourne Oil Company

Pavo Frio 29-28 B2GH Fed Com 1H
Net Isopach Lower 2nd BSPG Sd (C.I. 10')
Structure Top of Lwr 2nd BSPG Sd (C.I. 100')

6/5/2018

Eddy County

New Mexico

Wells <5000' Filtered Out

1 Inch = 2300 Feet

J. Carrell

A

300151041200
TRIGG JOHN H
FEDERAL-SIVLEY-WRIG 2-29
Reference=KB
Datum=3529.00
660 FNL/1980 FEL
TWP: 18 S - Range: 29 E - Sec. 29

0.3 miles

300152247900
SOUTHWEST ROYALTIES
WRIGHT FEDERAL COM 2
Reference=KB
Datum=3504.00
SW NE
TWP: 18 S - Range: 29 E - Sec. 29

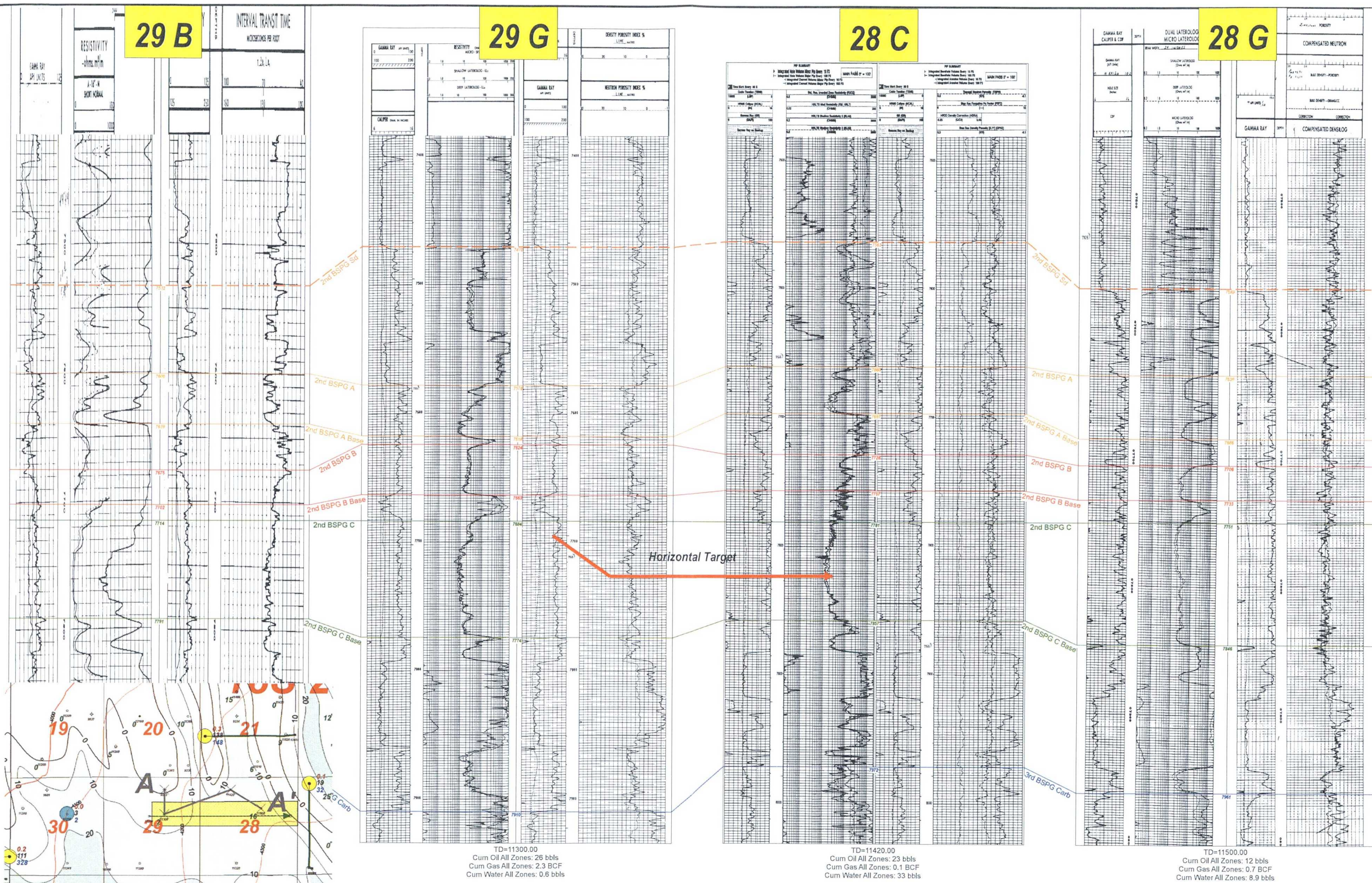
0.7 miles

300153281400
YATES PETROLEUM CORP
DIXON & YATES LM FE 2
Reference=KB
Datum=3488.00
W2 NE NW
TWP: 18 S - Range: 29 E - Sec. 28

0.4 miles

30015327200
YATES PETROLEUM CORP
DIXON-YATES 'LM' FE 1
Reference=KB
Datum=3451.00
N2 SW NE
TWP: 18 S - Range: 29 E - Sec. 28

A'



Pavo Frio 29-38
Cross Section Exhibit

EXHIBIT 10
16207

Pavo Frio 29-28 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	19	0.1	32	NS
Palmillo State Com #4	Cimarex	3001531497	32LM/18S/29E	11/28/2012	26	0.1	18	NS



Mewbourne Oil Company

Eddy County, New Mexico NAD 83
Pavo Frio 29-28 B2GH Fed Com #1H
Sec 29, T18S, R29E
SL: 2100' FNL & 2500' FWL (29)
BHL: 2100' FNL & 330' FEL (28)

Plan: Design #1

Standard Planning Report

02 April, 2018

EXHIBIT

12
16207

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Pavo Frio 29-28 B2GH Fed Com #1H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3508.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	MD Reference:	WELL @ 3508.0usft (Original Well Elev)
Site:	Pavo Frio 29-28 B2GH Fed Com #1H	North Reference:	Grid
Well:	Sec 29, T18S, R29E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 2100' FNL & 330' FEL (28)		
Design:	Design #1		

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

Site	Pavo Frio 29-28 B2GH Fed Com #1H			
Site Position:		Northing:	625,720.00 usft	Latitude: 32.7199224
From:	Map	Easting:	613,904.00 usft	Longitude: -104.0973768
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence: 0.13 °

Well	Sec 29, T18S, R29E			
Well Position	+N/-S	0.0 usft	Northing:	625,720.00 usft
	+E/-W	0.0 usft	Easting:	613,904.00 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	3,508.0 usft	Ground Level: 3,481.0 usft

Wellbore	BHL: 2100' FNL & 330' FEL (28)				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	4/2/2018	7.03	60.38	48,178

Design	Design #1			
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	89.83

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
7,250.0	0.00	0.00	7,250.0	0.0	0.0	0.00	0.00	0.00	0.00	KOP @ 7250'
7,992.4	88.97	89.83	7,728.0	1.4	469.5	11.98	11.98	0.00	89.83	
15,251.1	88.97	89.83	7,858.0	23.0	7,727.0	0.00	0.00	0.00	0.00	BHL: 2100' FNL & 330'

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Pavo Frio 29-28 B2GH Fed Com #1H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3508.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	MD Reference:	WELL @ 3508.0usft (Original Well Elev)
Site:	Pavo Frio 29-28 B2GH Fed Com #1H	North Reference:	Grid
Well:	Sec 29, T18S, R29E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 2100' FNL & 330' FEL (28)		
Design:	Design #1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
SL: 2100' FNL & 2500' FWL (29)									
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	0.00
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	0.00
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.0	0.00	0.00	0.00
1,900.0	0.00	0.00	1,900.0	0.0	0.0	0.0	0.00	0.00	0.00
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.0	0.00	0.00	0.00
2,100.0	0.00	0.00	2,100.0	0.0	0.0	0.0	0.00	0.00	0.00
2,200.0	0.00	0.00	2,200.0	0.0	0.0	0.0	0.00	0.00	0.00
2,300.0	0.00	0.00	2,300.0	0.0	0.0	0.0	0.00	0.00	0.00
2,400.0	0.00	0.00	2,400.0	0.0	0.0	0.0	0.00	0.00	0.00
2,500.0	0.00	0.00	2,500.0	0.0	0.0	0.0	0.00	0.00	0.00
2,600.0	0.00	0.00	2,600.0	0.0	0.0	0.0	0.00	0.00	0.00
2,700.0	0.00	0.00	2,700.0	0.0	0.0	0.0	0.00	0.00	0.00
2,800.0	0.00	0.00	2,800.0	0.0	0.0	0.0	0.00	0.00	0.00
2,900.0	0.00	0.00	2,900.0	0.0	0.0	0.0	0.00	0.00	0.00
3,000.0	0.00	0.00	3,000.0	0.0	0.0	0.0	0.00	0.00	0.00
3,100.0	0.00	0.00	3,100.0	0.0	0.0	0.0	0.00	0.00	0.00
3,200.0	0.00	0.00	3,200.0	0.0	0.0	0.0	0.00	0.00	0.00
3,300.0	0.00	0.00	3,300.0	0.0	0.0	0.0	0.00	0.00	0.00
3,400.0	0.00	0.00	3,400.0	0.0	0.0	0.0	0.00	0.00	0.00
3,500.0	0.00	0.00	3,500.0	0.0	0.0	0.0	0.00	0.00	0.00
3,600.0	0.00	0.00	3,600.0	0.0	0.0	0.0	0.00	0.00	0.00
3,700.0	0.00	0.00	3,700.0	0.0	0.0	0.0	0.00	0.00	0.00
3,800.0	0.00	0.00	3,800.0	0.0	0.0	0.0	0.00	0.00	0.00
3,900.0	0.00	0.00	3,900.0	0.0	0.0	0.0	0.00	0.00	0.00
4,000.0	0.00	0.00	4,000.0	0.0	0.0	0.0	0.00	0.00	0.00
4,100.0	0.00	0.00	4,100.0	0.0	0.0	0.0	0.00	0.00	0.00
4,200.0	0.00	0.00	4,200.0	0.0	0.0	0.0	0.00	0.00	0.00
4,300.0	0.00	0.00	4,300.0	0.0	0.0	0.0	0.00	0.00	0.00
4,400.0	0.00	0.00	4,400.0	0.0	0.0	0.0	0.00	0.00	0.00
4,500.0	0.00	0.00	4,500.0	0.0	0.0	0.0	0.00	0.00	0.00
4,600.0	0.00	0.00	4,600.0	0.0	0.0	0.0	0.00	0.00	0.00
4,700.0	0.00	0.00	4,700.0	0.0	0.0	0.0	0.00	0.00	0.00
4,800.0	0.00	0.00	4,800.0	0.0	0.0	0.0	0.00	0.00	0.00
4,900.0	0.00	0.00	4,900.0	0.0	0.0	0.0	0.00	0.00	0.00
5,000.0	0.00	0.00	5,000.0	0.0	0.0	0.0	0.00	0.00	0.00
5,100.0	0.00	0.00	5,100.0	0.0	0.0	0.0	0.00	0.00	0.00
5,200.0	0.00	0.00	5,200.0	0.0	0.0	0.0	0.00	0.00	0.00

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Pavo Frio 29-28 B2GH Fed Com #1H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3508.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	MD Reference:	WELL @ 3508.0usft (Original Well Elev)
Site:	Pavo Frio 29-28 B2GH Fed Com #1H	North Reference:	Grid
Well:	Sec 29, T18S, R29E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 2100' FNL & 330' FEL (28)		
Design:	Design #1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
5,300.0	0.00	0.00	5,300.0	0.0	0.0	0.0	0.00	0.00	0.00
5,400.0	0.00	0.00	5,400.0	0.0	0.0	0.0	0.00	0.00	0.00
5,500.0	0.00	0.00	5,500.0	0.0	0.0	0.0	0.00	0.00	0.00
5,600.0	0.00	0.00	5,600.0	0.0	0.0	0.0	0.00	0.00	0.00
5,700.0	0.00	0.00	5,700.0	0.0	0.0	0.0	0.00	0.00	0.00
5,800.0	0.00	0.00	5,800.0	0.0	0.0	0.0	0.00	0.00	0.00
5,900.0	0.00	0.00	5,900.0	0.0	0.0	0.0	0.00	0.00	0.00
6,000.0	0.00	0.00	6,000.0	0.0	0.0	0.0	0.00	0.00	0.00
6,100.0	0.00	0.00	6,100.0	0.0	0.0	0.0	0.00	0.00	0.00
6,200.0	0.00	0.00	6,200.0	0.0	0.0	0.0	0.00	0.00	0.00
6,300.0	0.00	0.00	6,300.0	0.0	0.0	0.0	0.00	0.00	0.00
6,400.0	0.00	0.00	6,400.0	0.0	0.0	0.0	0.00	0.00	0.00
6,500.0	0.00	0.00	6,500.0	0.0	0.0	0.0	0.00	0.00	0.00
6,600.0	0.00	0.00	6,600.0	0.0	0.0	0.0	0.00	0.00	0.00
6,700.0	0.00	0.00	6,700.0	0.0	0.0	0.0	0.00	0.00	0.00
6,800.0	0.00	0.00	6,800.0	0.0	0.0	0.0	0.00	0.00	0.00
6,900.0	0.00	0.00	6,900.0	0.0	0.0	0.0	0.00	0.00	0.00
7,000.0	0.00	0.00	7,000.0	0.0	0.0	0.0	0.00	0.00	0.00
7,100.0	0.00	0.00	7,100.0	0.0	0.0	0.0	0.00	0.00	0.00
7,200.0	0.00	0.00	7,200.0	0.0	0.0	0.0	0.00	0.00	0.00
7,250.0	0.00	0.00	7,250.0	0.0	0.0	0.0	0.00	0.00	0.00
KOP @ 7250'									
7,300.0	5.99	89.83	7,299.9	0.0	2.6	2.6	11.98	11.98	0.00
7,400.0	17.98	89.83	7,397.6	0.1	23.3	23.3	11.98	11.98	0.00
7,500.0	29.96	89.83	7,488.8	0.2	63.9	63.9	11.98	11.98	0.00
7,600.0	41.95	89.83	7,569.6	0.4	122.5	122.5	11.98	11.98	0.00
7,700.0	53.93	89.83	7,636.4	0.6	196.6	196.6	11.98	11.98	0.00
7,800.0	65.92	89.83	7,686.5	0.8	283.0	283.0	11.98	11.98	0.00
7,900.0	77.90	89.83	7,717.5	1.1	377.9	377.9	11.98	11.98	0.00
7,992.4	88.97	89.83	7,728.0	1.4	469.5	469.5	11.98	11.98	0.00
LP/FTP: 2100' FNL & 2310' FEL (29)									
8,000.0	88.97	89.83	7,728.1	1.4	477.1	477.1	0.00	0.00	0.00
8,100.0	88.97	89.83	7,729.9	1.7	577.1	577.1	0.00	0.00	0.00
8,200.0	88.97	89.83	7,731.7	2.0	677.1	677.1	0.00	0.00	0.00
8,300.0	88.97	89.83	7,733.5	2.3	777.1	777.1	0.00	0.00	0.00
8,400.0	88.97	89.83	7,735.3	2.6	877.0	877.1	0.00	0.00	0.00
8,500.0	88.97	89.83	7,737.1	2.9	977.0	977.0	0.00	0.00	0.00
8,600.0	88.97	89.83	7,738.9	3.2	1,077.0	1,077.0	0.00	0.00	0.00
8,700.0	88.97	89.83	7,740.7	3.5	1,177.0	1,177.0	0.00	0.00	0.00
8,800.0	88.97	89.83	7,742.5	3.8	1,277.0	1,277.0	0.00	0.00	0.00
8,900.0	88.97	89.83	7,744.3	4.1	1,377.0	1,377.0	0.00	0.00	0.00
9,000.0	88.97	89.83	7,746.0	4.4	1,476.9	1,477.0	0.00	0.00	0.00
9,100.0	88.97	89.83	7,747.8	4.7	1,576.9	1,576.9	0.00	0.00	0.00
9,200.0	88.97	89.83	7,749.6	5.0	1,676.9	1,676.9	0.00	0.00	0.00
9,300.0	88.97	89.83	7,751.4	5.3	1,776.9	1,776.9	0.00	0.00	0.00
9,400.0	88.97	89.83	7,753.2	5.6	1,876.9	1,876.9	0.00	0.00	0.00
9,500.0	88.97	89.83	7,755.0	5.9	1,976.9	1,976.9	0.00	0.00	0.00
9,600.0	88.97	89.83	7,756.8	6.2	2,076.8	2,076.9	0.00	0.00	0.00
9,700.0	88.97	89.83	7,758.6	6.5	2,176.8	2,176.8	0.00	0.00	0.00
9,800.0	88.97	89.83	7,760.4	6.8	2,276.8	2,276.8	0.00	0.00	0.00
9,900.0	88.97	89.83	7,762.2	7.1	2,376.8	2,376.8	0.00	0.00	0.00
10,000.0	88.97	89.83	7,764.0	7.4	2,476.8	2,476.8	0.00	0.00	0.00
10,100.0	88.97	89.83	7,765.7	7.7	2,576.8	2,576.8	0.00	0.00	0.00
10,200.0	88.97	89.83	7,767.5	8.0	2,676.8	2,676.8	0.00	0.00	0.00

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Pavo Frio 29-28 B2GH Fed Com #1H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3508.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	MD Reference:	WELL @ 3508.0usft (Original Well Elev)
Site:	Pavo Frio 29-28 B2GH Fed Com #1H	North Reference:	Grid
Well:	Sec 29, T18S, R29E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 2100' FNL & 330' FEL (28)		
Design:	Design #1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
10,300.0	88.97	89.83	7,769.3	8.3	2,776.7	2,776.7	0.00	0.00	0.00
10,400.0	88.97	89.83	7,771.1	8.6	2,876.7	2,876.7	0.00	0.00	0.00
10,500.0	88.97	89.83	7,772.9	8.9	2,976.7	2,976.7	0.00	0.00	0.00
10,600.0	88.97	89.83	7,774.7	9.2	3,076.7	3,076.7	0.00	0.00	0.00
10,700.0	88.97	89.83	7,776.5	9.5	3,176.7	3,176.7	0.00	0.00	0.00
10,800.0	88.97	89.83	7,778.3	9.8	3,276.7	3,276.7	0.00	0.00	0.00
10,900.0	88.97	89.83	7,780.1	10.1	3,376.6	3,376.6	0.00	0.00	0.00
11,000.0	88.97	89.83	7,781.9	10.3	3,476.6	3,476.6	0.00	0.00	0.00
11,100.0	88.97	89.83	7,783.7	10.6	3,576.6	3,576.6	0.00	0.00	0.00
11,200.0	88.97	89.83	7,785.4	10.9	3,676.6	3,676.6	0.00	0.00	0.00
11,300.0	88.97	89.83	7,787.2	11.2	3,776.6	3,776.6	0.00	0.00	0.00
11,400.0	88.97	89.83	7,789.0	11.5	3,876.6	3,876.6	0.00	0.00	0.00
11,500.0	88.97	89.83	7,790.8	11.8	3,976.5	3,976.6	0.00	0.00	0.00
11,600.0	88.97	89.83	7,792.6	12.1	4,076.5	4,076.5	0.00	0.00	0.00
11,700.0	88.97	89.83	7,794.4	12.4	4,176.5	4,176.5	0.00	0.00	0.00
11,800.0	88.97	89.83	7,796.2	12.7	4,276.5	4,276.5	0.00	0.00	0.00
11,900.0	88.97	89.83	7,798.0	13.0	4,376.5	4,376.5	0.00	0.00	0.00
12,000.0	88.97	89.83	7,799.8	13.3	4,476.5	4,476.5	0.00	0.00	0.00
12,100.0	88.97	89.83	7,801.6	13.6	4,576.4	4,576.5	0.00	0.00	0.00
12,200.0	88.97	89.83	7,803.4	13.9	4,676.4	4,676.4	0.00	0.00	0.00
12,300.0	88.97	89.83	7,805.1	14.2	4,776.4	4,776.4	0.00	0.00	0.00
12,400.0	88.97	89.83	7,806.9	14.5	4,876.4	4,876.4	0.00	0.00	0.00
12,500.0	88.97	89.83	7,808.7	14.8	4,976.4	4,976.4	0.00	0.00	0.00
12,600.0	88.97	89.83	7,810.5	15.1	5,076.4	5,076.4	0.00	0.00	0.00
12,700.0	88.97	89.83	7,812.3	15.4	5,176.3	5,176.4	0.00	0.00	0.00
12,800.0	88.97	89.83	7,814.1	15.7	5,276.3	5,276.3	0.00	0.00	0.00
12,900.0	88.97	89.83	7,815.9	16.0	5,376.3	5,376.3	0.00	0.00	0.00
13,000.0	88.97	89.83	7,817.7	16.3	5,476.3	5,476.3	0.00	0.00	0.00
13,100.0	88.97	89.83	7,819.5	16.6	5,576.3	5,576.3	0.00	0.00	0.00
13,200.0	88.97	89.83	7,821.3	16.9	5,676.3	5,676.3	0.00	0.00	0.00
13,300.0	88.97	89.83	7,823.1	17.2	5,776.2	5,776.3	0.00	0.00	0.00
13,400.0	88.97	89.83	7,824.8	17.5	5,876.2	5,876.2	0.00	0.00	0.00
13,500.0	88.97	89.83	7,826.6	17.8	5,976.2	5,976.2	0.00	0.00	0.00
13,600.0	88.97	89.83	7,828.4	18.1	6,076.2	6,076.2	0.00	0.00	0.00
13,700.0	88.97	89.83	7,830.2	18.4	6,176.2	6,176.2	0.00	0.00	0.00
13,800.0	88.97	89.83	7,832.0	18.7	6,276.2	6,276.2	0.00	0.00	0.00
13,900.0	88.97	89.83	7,833.8	19.0	6,376.1	6,376.2	0.00	0.00	0.00
14,000.0	88.97	89.83	7,835.6	19.3	6,476.1	6,476.2	0.00	0.00	0.00
14,100.0	88.97	89.83	7,837.4	19.6	6,576.1	6,576.1	0.00	0.00	0.00
14,200.0	88.97	89.83	7,839.2	19.9	6,676.1	6,676.1	0.00	0.00	0.00
14,300.0	88.97	89.83	7,841.0	20.2	6,776.1	6,776.1	0.00	0.00	0.00
14,400.0	88.97	89.83	7,842.8	20.5	6,876.1	6,876.1	0.00	0.00	0.00
14,500.0	88.97	89.83	7,844.5	20.8	6,976.0	6,976.1	0.00	0.00	0.00
14,600.0	88.97	89.83	7,846.3	21.1	7,076.0	7,076.1	0.00	0.00	0.00
14,700.0	88.97	89.83	7,848.1	21.4	7,176.0	7,176.0	0.00	0.00	0.00
14,800.0	88.97	89.83	7,849.9	21.7	7,276.0	7,276.0	0.00	0.00	0.00
14,900.0	88.97	89.83	7,851.7	22.0	7,376.0	7,376.0	0.00	0.00	0.00
15,000.0	88.97	89.83	7,853.5	22.3	7,476.0	7,476.0	0.00	0.00	0.00
15,100.0	88.97	89.83	7,855.3	22.6	7,575.9	7,576.0	0.00	0.00	0.00
15,200.0	88.97	89.83	7,857.1	22.8	7,675.9	7,676.0	0.00	0.00	0.00
15,251.1	88.97	89.83	7,858.0	23.0	7,727.0	7,727.0	0.00	0.00	0.00
BHL: 2100' FNL & 330' FEL (28)									

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Pavo Frio 29-28 B2GH Fed Com #1H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3508.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	MD Reference:	WELL @ 3508.0usft (Original Well Elev)
Site:	Pavo Frio 29-28 B2GH Fed Com #1H	North Reference:	Grid
Well:	Sec 29, T18S, R29E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 2100' FNL & 330' FEL (28)		
Design:	Design #1		

Design Targets									
Target Name	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- hit/miss target	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)		
- Shape									
SL: 2100' FNL & 2500' F	0.00	0.00	0.0	0.0	0.0	625,720.00	613,904.00	32.7199224	-104.0973768
- plan hits target center									
- Point									
KOP @ 7250'	0.00	0.00	7,250.0	0.0	0.0	625,720.00	613,904.00	32.7199224	-104.0973768
- plan hits target center									
- Point									
LP/FTP: 2100' FNL & 23	0.00	0.00	7,728.0	1.4	469.5	625,721.40	614,373.52	32.7199233	-104.0958502
- plan hits target center									
- Point									
BHL: 2100' FNL & 330' F	0.00	0.00	7,858.0	23.0	7,727.0	625,743.00	621,631.00	32.7199358	-104.0722518
- plan hits target center									
- Point									

Pavo Frio 29-28 B2GH Fed Com #1H

