

Tract Ownership
Yardbirds 3 D3BO Fee #1H Well
W/2E/2 Section 3-24S-28E
Eddy County, New Mexico

W/2E/2 of Section 3-24S-28E:

Mewbourne Oil Company, Operator, and
Elevation Resources, et al, Non-Operators
Under that certain Joint Operating Agreement
Dated October 1, 2014

J.M. Turney and husband, Steve Turney

Estate of John P. Bates, Deceased and Ann L. Bates

Facowie Energy, a Sole Proprietorship of
E. Bradford Mantz

Total:

Leasehold Ownership:

96.85974%

0.51464% *

1.31281% *

1.31281% *

100.00000%

Total Interest being force pooled: 3.14026%

* Denotes an interest that is being force pooled.

EXHIBIT *2*

Summary of Communications
Yardbirds "3" D3BO Fee #1H Well
W/2E/2 Section 3-24S-28E
Eddy County, New Mexico

J.M. Turney and Husband, Steve Turney:

- 1) 2-3-2015: Mailed well proposal and AFE via certified mail. Never received the AFE's or a response. Sent 2 letters to different addresses- one sent to the attention of Jennifer Turney and one to the attention of Steve Turney.
- 2) Unable to locate proof of delivery on well proposals.

Estate of John P. Bates, deceased, and his widow, Ann L. Bates:

- 1) 2-3-2015: Mailed well proposal and AFE via certified mail. Never heard a response.
- 2) 2-26-2015: Received undelivered mail back. Copy of returned mail provided.
- 3) 2-25-2016: Called and spoke with James Bates, who is the son of the John P. Bates. We discussed the estate's ownership and several options of what can be done with the working interest. James sent me an email with the probate of John P. Bates.
- 4) 3-2-2016: Sent James Bates an email discussing the ownership in detail and further discussed an offer for Mewbourne to acquire a term assignment of the interest in question.

Facowie Energy, a Sole Proprietorship of E. Bradford Mantz:

- 1) 2-3-2015: Mailed well proposal and AFE via certified mail.
- 2) 2-10-2015: Received proof of delivery.

EXHIBIT 3

MEWBOURNE OIL COMPANY

500 W. TEXAS, SUITE 1020
MIDLAND, TEXAS 79701

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

February 3, 2015

Via Certified Mail

John & Ann Bates
2801 Shandon Avenue W.
Midland, Texas 79705

Re:	Yardbirds "3" W2DM Fee #1H Well	<u>AND</u>	Yardbirds "3" D3BO Fee #1H Well
	175' FNL & 1070' FWL (SL)		185' FNL & 2050' FEL (SL)
	330' FSL & 660' FWL (BHL)		330' FSL & 2050' FEL (BHL)
	Section 3, T24S, R28E		Section 3, T24S, R28E
	Eddy County, New Mexico		Eddy County, New Mexico

Mr. and Mrs. Bates:

Mewbourne Oil Company ("Mewbourne") as Operator hereby proposes to form a 640.00 acre Working Interest Unit ("WIU") covering all of the above captioned Section 3 for oil and gas production. Apparently, you own 1.56250% interest in the NE/4, NE/4SE/4, SE/4NW/4SE/4, E/2SW/4NW/4SE/4, NE/4SE/4SE/4, E/2NW/4SE/4SE/4, W/2SW/4SE/4SE/4, SE/4SE/4SE/4 and that part of the SW/4SE/4 lying east of the right-of-way of the Pecos Valley and Northeastern Railway Company (now the A.T.&S.F. Railway Co.) of the above captioned Section 3. Accordingly, you would own a 0.69438% working interest in the proposed WIU ($1.56250\% \text{ interest} \times 284.42 \text{ net acres} / 640.00 \text{ gross acres} = 0.69438\% \text{ interest in the WIU}$).

In reference to the above, Mewbourne as Operator hereby proposes to drill the captioned wells at their referenced surface locations (SL) to their referenced bottom hole locations (BHL). The proposed Yardbirds "3" W2DM Fee #1H well will be drilled to a true vertical depth ("TVD") of approximately 10,460 feet subsurface to evaluate the Middle Wolfcamp Shale interval of the Wolfcamp formation for oil and gas production. The proposed well will have a horizontal measured depth ("MD") of approximately 15,000 feet. The W/2 of the captioned Section 3 will be dedicated to the well as the pooled oil proration unit and project area.

The proposed Yardbirds "3" D3BO Fee #1H Well will be drilled to a true vertical depth ("TVD") of approximately 6,153 feet subsurface to evaluate the Basal Brushy Canyon interval in the Delaware Sand formation for oil production. The proposed well will have a horizontal measured depth ("MD") of approximately 10,700 feet. The W/2E/2 of the captioned Section 3 will be dedicated to the well as the pooled oil proration unit and project area.

John and Ann Bates
Yardbirds "3" WIU
Section 3, T24S, R28E
February 3, 2015
Page 2 of 2

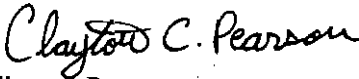
Regarding the above, enclosed for your further handling are our AFE's dated January 14, 2015 for the captioned proposed wells. In the event you elect to participate in the proposed WIU and wells, please execute the enclosed AFE's and return to me by February 23, 2015. A copy of our Joint Operating Agreement will follow in the near future.

MOC plans to spud the above captioned Yardbirds "3" W2DM Fee #1H well in early March, 2015 and spud the Yardbirds "3" B3BO Fee #1H well directly thereafter as we have had a recent opening in our drilling rig schedule. Your expedited attention and response to this proposal will be greatly appreciated.

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

Sincerely,

MEWBOURNE OIL COMPANY



Clayton Pearson
Landman

USPS CERTIFIED MAIL™

Mewbourne Oil Company
Clayton Pearson
500 West Texas Ave, Suite 1020
MIDLAND TX 79701-4279

Yards: 3 W20M 1H and
Yards: 3 D380 1H

US POSTAGE AND FEES PAID
FIRST CLASS
Feb 03 2015
Mailed from ZIP 79701
2 oz First Class Mail
Flat Rate
CID: 56133



midland.com

071S00534813

USPS CERTIFIED MAIL

9414 8106 9994 5007 7158 69

John and Ann Bates
2801 W SHANDON AVE
MIDLAND TX 79705-6102



02/09/15

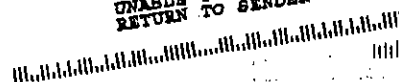
WOREC
NIXIE

797052006-1N

797052045-1N

040 02/26/15

RETURN TO SENDER
UNABLE TO FORWARD
UNABLE TO FORWARD
RETURN TO SENDER



MEWBOURNE OIL COMPANY

500 W. TEXAS, SUITE 1020
MIDLAND, TEXAS 79701

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

February 3, 2015

Via Certified Mail

E. Bradford Mantz
d/b/a Facowie Energy
1732 Star Crest Place
San Marcos, California 92078

Re:	Yardbirds "3" W2DM Fee #1H Well	<u>AND</u>	Yardbirds "3" D3BO Fee #1H Well
	175' FNL & 1070' FWL (SL)		185' FNL & 2050' FEL (SL)
	330' FSL & 660' FWL (BHL)		330' FSL & 2050' FEL (BHL)
	Section 3, T24S, R28E		Section 3, T24S, R28E
	Eddy County, New Mexico		Eddy County, New Mexico

Mr. Mantz:

Mewbourne Oil Company ("Mewbourne") as Operator hereby proposes to form a 640.00 acre Working Interest Unit ("WIU") covering all of the above captioned Section 3 for oil and gas production. Apparently, you own 1.56250% interest in the NE/4, NE/4SE/4, SE/4NW/4SE/4, E/2SW/4NW/4SE/4, NE/4SE/4SE/4, E/2NW/4SE/4SE/4, W/2SW/4SE/4SE/4, SE/4SE/4SE/4 and that part of the SW/4SE/4 lying east of the right-of-way of the Pecos Valley and Northeastern Railway Company (now the A.T.&S.F. Railway Co.) of the above captioned Section 3. Accordingly, you would own a 0.69438% working interest in the proposed WIU (1.56250% interest X 284.42 net acres / 640.00 gross acres = 0.69438% interest in the WIU).

In reference to the above, Mewbourne as Operator hereby proposes to drill the captioned wells at their referenced surface locations (SL) to their referenced bottom hole locations (BHL). The proposed Yardbirds "3" W2DM Fee #1H well will be drilled to a true vertical depth ("TVD") of approximately 10,460 feet subsurface to evaluate the Middle Wolfcamp Shale interval of the Wolfcamp formation for oil and gas production. The proposed well will have a horizontal measured depth ("MD") of approximately 15,000 feet. The W/2 of the captioned Section 3 will be dedicated to the well as the pooled oil proration unit and project area.

The proposed Yardbirds "3" D3BO Fee #1H Well will be drilled to a true vertical depth ("TVD") of approximately 6,153 feet subsurface to evaluate the Basal Brushy Canyon interval in the Delaware Sand formation for oil production. The proposed well will have a horizontal measured depth ("MD") of approximately 10,700 feet. The W/2E/2 of the captioned Section 3 will be dedicated to the well as the pooled oil proration unit and project area.

E. Bradford Mantz, d/b/a Facowie Energy
Yardbirds "3" WIU
Section 3, T24S, R28E
February 3, 2015
Page 2 of 2

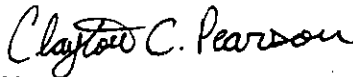
Regarding the above, enclosed for your further handling are our AFE's dated January 14, 2015 for the captioned proposed wells. In the event you elect to participate in the proposed WIU and wells, please execute the enclosed AFE's and return to me by February 23, 2015. A copy of our Joint Operating Agreement will follow in the near future.

MOC plans to spud the above captioned Yardbirds "3" W2DM Fee #1H well in early March, 2015 and spud the Yardbirds "3" B3BO Fee #1H well directly thereafter as we have had a recent opening in our drilling rig schedule. Your expedited attention and response to this proposal will be greatly appreciated.

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

Sincerely,

MEWBOURNE OIL COMPANY



Clayton Pearson
Landman



**Proof of Delivery
(Electronic)**

Date: 2/10/2015

Client Name: Mewbourne Oil Company

Certified with RR(E) item number 9414810699945007718594,
addressed to Facowie Energy was designated Delivered at 2:28 PM on
February 07, 2015 in SAN MARCOS, CA 92078.

The item number, time, date, city, state, and zip code is a true extract of
information provided by the United States Postal Service to
SimpleCertifiedMail.com.

Facowie Energy
E. Bradford Mantz
1732 STAR CREST PL
SAN MARCOS, CA 92078
Reference #: Yardbirds 3 W2DM 1H and Yardbirds 3 D3BO 1H
Item ID: Yardbirds 3 W2DM 1H and Yardbirds 3 D3BO 1H

The above information is for the sole use of SimpleCertifiedMail.com
clients and represents information provided by the United States Postal
Service.

MEWBOURNE OIL COMPANY

500 W. TEXAS, SUITE 1020
MIDLAND, TEXAS 79701

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

February 3, 2015

Via Certified Mail

Jennifer Turney
3144 Wabash Ave.
Fort Worth, Texas 76109

Re:	Yardbirds "3" W2DM Fee #1H Well	<u>AND</u>	Yardbirds "3" D3BO Fee #1H Well
	175' FNL & 1070' FWL (SL)		185' FNL & 2050' FEL (SL)
	330' FSL & 660' FWL (BHL)		330' FSL & 2050' FEL (BHL)
	Section 3, T24S, R28E		Section 3, T24S, R28E
	Eddy County, New Mexico		Eddy County, New Mexico

Dear Jennifer:

Mewbourne Oil Company ("Mewbourne") as Operator hereby proposes to form a 640.00 acre Working Interest Unit ("WIU") covering all of the above captioned Section 3 for oil and gas production. Apparently, you and Steve Turney, as husband and wife, own 0.61253% interest in the NE/4, NE/4SE/4, SE/4NW/4SE/4, E/2SW/4NW/4SE/4, NE/4SE/4SE/4, E/2NW/4SE/4SE/4, W/2SW/4SE/4SE/4, SE/4SE/4SE/4 and that part of the SW/4SE/4 lying east of the right-of-way of the Pecos Valley and Northeastern Railway Company (now the A.T.&S.F. Railway Co.) of the above captioned Section 3. Accordingly, you would own a 0.27221% working interest in the proposed WIU (0.61253% interest X 284.42 net acres / 640.00 gross acres = 0.27221% interest in the WIU).

In reference to the above, Mewbourne as Operator hereby proposes to drill the captioned wells at their referenced surface locations (SL) to their referenced bottom hole locations (BHL). The proposed Yardbirds "3" W2DM Fee #1H well will be drilled to a true vertical depth ("TVD") of approximately 10,460 feet subsurface to evaluate the Middle Wolfcamp Shale interval of the Wolfcamp formation for oil and gas production. The proposed well will have a horizontal measured depth ("MD") of approximately 15,000 feet. The W/2 of the captioned Section 3 will be dedicated to the well as the pooled oil proration unit and project area.

The proposed Yardbirds "3" D3BO Fee #1H Well will be drilled to a true vertical depth ("TVD") of approximately 6,153 feet subsurface to evaluate the Basal Brushy Canyon interval in the Delaware Sand formation for oil production. The proposed well will have a horizontal measured depth ("MD") of approximately 10,700 feet. The W/2E/2 of the captioned Section 3 will be dedicated to the well as the pooled oil proration unit and project area.

Jennifer Turney
Yardbirds "3" WIU
Section 3, T24S, R28E
February 3, 2015
Page 2 of 2

Regarding the above, enclosed for your further handling are our AFE's dated January 14, 2015 for the captioned proposed wells. In the event you elect to participate in the proposed WIU and wells, please execute the enclosed AFE's and return to me by February 23, 2015. A copy of our Joint Operating Agreement will follow in the near future.

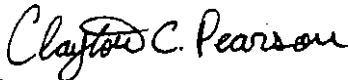
MOC plans to spud the above captioned Yardbirds "3" W2DM Fee #1H well in early March, 2015 and spud the Yardbirds "3" B3BO Fee #1H well directly thereafter as we have had a recent opening in our drilling rig schedule. Your expedited attention and response to this proposal will be greatly appreciated.

MOC also respectfully requests that you provide us with the pertinent details of your marital history and status for signatory purposes. We will need to ensure we have the correct parties execute all AFE's and JOA signature pages. Feel free to call with this information.

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

Sincerely,

MEWBOURNE OIL COMPANY



Clayton Pearson
Landman

MEWBOURNE OIL COMPANY

500 W. TEXAS, SUITE 1020
MIDLAND, TEXAS 79701

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

February 3, 2015

Via Certified Mail

Steve Turney
4320 S. Bellaire Drive
Fort Worth, Texas 76109

Re:	Yardbirds "3" W2DM Fee #1H Well	<u>AND</u>	Yardbirds "3" D3BO Fee #1H Well
	175' FNL & 1070' FWL (SL)		185' FNL & 2050' FEL (SL)
	330' FSL & 660' FWL (BHL)		330' FSL & 2050' FEL (BHL)
	Section 3, T24S, R28E		Section 3, T24S, R28E
	Eddy County, New Mexico		Eddy County, New Mexico

Dear Steve:

Mewbourne Oil Company ("Mewbourne") as Operator hereby proposes to form a 640.00 acre Working Interest Unit ("WIU") covering all of the above captioned Section 3 for oil and gas production. Apparently, you and J.M. Turney, as husband and wife, own 0.61253% interest in the NE/4, NE/4SE/4, SE/4NW/4SE/4, E/2SW/4NW/4SE/4, NE/4SE/4SE/4, E/2NW/4SE/4SE/4, W/2SW/4SE/4SE/4, SE/4SE/4SE/4 and that part of the SW/4SE/4 lying east of the right-of-way of the Pecos Valley and Northeastern Railway Company (now the A.T.&S.F. Railway Co.) of the above captioned Section 3. Accordingly, you would own a 0.27221% working interest in the proposed WIU (0.61253% interest X 284.42 net acres / 640.00 gross acres = 0.27221% interest in the WIU).

In reference to the above, Mewbourne as Operator hereby proposes to drill the captioned wells at their referenced surface locations (SL) to their referenced bottom hole locations (BHL). The proposed Yardbirds "3" W2DM Fee #1H well will be drilled to a true vertical depth ("TVD") of approximately 10,460 feet subsurface to evaluate the Middle Wolfcamp Shale interval of the Wolfcamp formation for oil and gas production. The proposed well will have a horizontal measured depth ("MD") of approximately 15,000 feet. The W/2 of the captioned Section 3 will be dedicated to the well as the pooled oil proration unit and project area.

The proposed Yardbirds "3" D3BO Fee #1H Well will be drilled to a true vertical depth ("TVD") of approximately 6,153 feet subsurface to evaluate the Basal Brushy Canyon interval in the Delaware Sand formation for oil production. The proposed well will have a horizontal measured depth ("MD") of approximately 10,700 feet. The W/2E/2 of the captioned Section 3 will be dedicated to the well as the pooled oil proration unit and project area.

Steve Turney
Yardbirds "3" WIU
Section 3, T24S, R28E
February 3, 2015
Page 2 of 2

Regarding the above, enclosed for your further handling are our AFE's dated January 14, 2015 for the captioned proposed wells. In the event you elect to participate in the proposed WIU and wells, please execute the enclosed AFE's and return to me by February 23, 2015. A copy of our Joint Operating Agreement will follow in the near future.

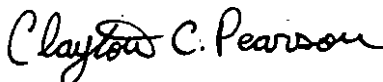
MOC plans to spud the above captioned Yardbirds "3" W2DM Fee #1H well in early March, 2015 and spud the Yardbirds "3" B3BO Fee #1H well directly thereafter as we have had a recent opening in our drilling rig schedule. Your expedited attention and response to this proposal will be greatly appreciated.

MOC also respectfully requests that you provide us with the pertinent details of your marital history and status for signatory purposes. We will need to ensure we have the correct parties execute all AFE's and JOA signature pages. Feel free to call with this information.

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

Sincerely,

MEWBOURNE OIL COMPANY



Clayton Pearson
Landman

Clayton Pearson

From: Clayton Pearson
Sent: Wednesday, March 02, 2016 8:45 AM
To: James
Subject: RE: Probate Documents for John P Bates

James,

I appreciate you returning my phone call last week regarding your father's estate. Also, thank you for sending a copy of the probate so promptly.

Here is a summary of the working interest ownership in our two prospects:

Section 3-24S-28E, Eddy County, NM:

1.56250% Contractual Interest under Joint Operating Agreement dated June 1, 1979 as to the NE/4, NE/4SE/4, SE/4NW/4SE/4, E/2SW/4NW/4SE/4, NE/4SE/4SE/4, E/2NW/4SE/4SE/4, W/2SW/4SE/4SE/4, SE/4SE/4SE/4 and that part of the SW/4SE/4 lying East of the right of way of the Pecos Valley and Northeastern Railway Company (not the Atchison, Topeka, & Santa Fe Railway Company), containing 284.67 acres, more or less.

1.56250% Ownership x 284.67 Gross Acres = 4.44797 Net Acres

Section 27-23S-28E, Eddy County, NM:

6.250% working interest in the SW/4NW/4NE/4, W/2SE/4NW/4NE/4 and S/2NE/NE/4, containing 35 acres, more or less.

6.250% Ownership x 35.0 Gross Acres = 2.18750 Net Acres

As discussed, the interests in question are not a mineral interest, but rather a working interest (cost bearing interests). Your mother, Ann, may participate in the drilling of wells in each of the Working Interest Units by signing a Joint Operating Agreement, or alternatively, may assign her interest to Mewbourne Oil Company. If you decide to contribute either of the interests to their respective Working Interest Unit, you will be responsible for your proportionate share of any well drilled in the WIU.

If you so choose to assign the interest, Mewbourne is willing to pay \$1,000.00 per net acre for the above described working interest. The total consideration will be: \$4,447.97 For Section 3 and \$2,187.50 For Section 27. After speaking with our title attorney, there will be an Overriding Royalty Interest that you will receive if a well is drilled on the acreage that you own an interest in.

Feel free to call me or shoot me an email with any questions or concerns. I look forward to hearing back from you.

Sincerely,



Clayton Pearson
Land Department
Mewbourne Oil Company
500 W. Texas, Ste. 1020
Midland, TX 79701 US

Phone: (432)682-3715 | Fax: (432)685-4170
Email: CPearson@Mewbourne.com

From: James [<mailto:JamesBates28@hotmail.com>]
Sent: Thursday, February 25, 2016 10:58 AM

To: Clayton Pearson

Subject: Probate Documents for John P Bates

Thanks for the call this morning. Attached is a copy of the Power of Attorney for me to work on my Mom's behalf, and a copy of the probate document.

Let me know if you need additional information.. My contact information is below:

James Bates

cell: 713-876-4866

jamesbates28@hotmail.com

5214 Ridgewood Reef

Houston, TX 77041

MEWBORNE OIL COMPANY
AUTHORIZATION FOR EXPENDITURE

Well Name: Yardbirds 3 D3BO Fee 1H Prospect: _____

Location: SL: 185' FNL & 2050' FEL, BHL: 330' FSL & 2050' FEL County: Eddy ST: NM

Sec. 3 Blk: 1 Survey: _____ TWP: 24S RNG: 28E Prop. TVD: 6163' TMD: 10700'

INTANGIBLE COSTS 0180		CODE	TCP	CODE	CC
Permits and Surveys		0180-0100	\$5,000	0180-0200	
Location: Roads, Pits & Site Preparation		0180-0105	\$90,000	0180-0205	\$75,000
Location: Site Restoration, Excavation & Other		0180-0106	\$150,000	0180-0206	
Day Work, Footage, Turnkey Drilling 20 days drlg & 3 comp @ \$15,600/day		0180-0110	\$333,300	0180-0210	\$50,000
Fuel 900 gal/day @ \$3.00/gal		0180-0114	\$62,100		
Mud		0180-0120	\$35,000		
Chemicals and Additives		0180-0121		0180-0221	
Cementing		0180-0125	\$100,000	0180-0225	
Logging, Wireline & Coring Services Gyro		0180-0130	\$6,500	0180-0230	
Casing, Tubing & Snubbing Services		0180-0134	\$25,000	0180-0234	\$15,000
Mud Logging		0180-0137	\$30,000		
Stimulation 20 stage 1 MM gals & 1.2 MM sand				0180-0241	\$550,000
Stimulation Rentals & Other				0180-0242	\$200,000
Water & Other		0180-0145	\$45,000		
Bits		0180-0148	\$60,000	0180-0248	
Inspection & Repair Services		0180-0150	\$25,000	0180-0250	
Misc. Air & Pumping Services Drill Out		0180-0154		0180-0254	\$120,000
Testing		0180-0158	\$25,000	0180-0258	\$20,000
Completion / Workover Rig 4 days @ \$4500/day				0180-0260	\$18,000
Rig Mobilization		0180-0164	\$160,000		
Transportation		0180-0165	\$30,000	0180-0265	\$1,000
Welding and Construction		0180-0168	\$5,000	0180-0268	
Engineering & Contract Supervision		0180-0170	\$40,000	0180-0270	\$6,000
Directional Services		0180-0175	\$100,000		
Equipment Rental		0180-0180	\$110,000	0180-0280	\$20,000
Well / Lease Legal		0180-0184	\$5,000	0180-0284	
Well / Lease Insurance		0180-0185	\$3,100	0180-0285	
Intangible Supplies		0180-0188	\$8,500	0180-0288	
Damages		0180-0190		0180-0290	
Pipeline, Road, Electrical ROW & Easements		0180-0192		0180-0292	
Pipeline Interconnect				0180-0293	
Company Supervision		0180-0195	\$40,000	0180-0295	\$30,000
Overhead Fixed Rate		0180-0196	\$10,000	0180-0296	\$20,000
Well Abandonment		0180-0198		0180-0298	
Contingencies 10% (TCP) 5% (CC)		0180-0199	\$150,400	0180-0299	\$56,300
TOTAL			\$1,653,900		\$1,181,300
TANGIBLE COSTS 0181					
Casing (19.1" - 30")		0181-0783			
Casing (10.1" - 19.0") 450' 13 3/8" 48# H40 STC @ \$32.52/m + GRT		0181-0794	\$15,700		
Casing (8.1" - 10.0") 2600' 9 5/8" 36# J55 LTC @ \$25/m + GRT		0181-0795	\$69,500		
Casing (6.1" - 8.0") 6800' 7" 26# P110 LTC @ \$27/m + GRT		0181-0796	\$190,400		
Casing (4.1" - 6.0") 4300' 4 1/2" 13.5# P110 LTC @ \$14.8/m + GRT				0181-0797	\$68,000
Tubing (2" - 4") 5650' 2 7/8" 6.5# L80 EUE 8rd @ \$5.80/m + GRT				0181-0798	\$35,000
Drilling Head		0181-0860	\$14,000		
Tubing Head & Upper Section				0181-0870	\$14,000
Downhole Directional Equipment 20 Stage System				0181-0871	\$175,000
Sucker Rods				0181-0875	\$30,000
Packer Pump & Subsurface Equipment Rod Pump & BHA				0181-0880	\$10,000
Artificial Lift Systems ESP				0181-0884	\$40,000
Pumping Unit C912-365-168				0181-0885	\$100,000
Surface Pumps & Prime Movers 75HP PU motor				0181-0886	\$7,500
Tanks - Steel 8-500bbl steel (4 coated)				0181-0890	\$105,000
Tanks - Others				0181-0891	
Separation & Gas Treating Equipment 24"x10"x1000# 2ph, 30"x10"x1000# 3ph & FWKO				0181-0895	\$50,000
Heater Treaters, Line Heaters 6"x20"x75# Heater Treater				0181-0897	\$17,500
Metering Equipment				0181-0898	\$10,000
Line Pipe - Gas Gathering and Transportation				0181-0900	
Misc. Fittings, Valves, Line Pipe and Accessories				0181-0906	\$65,000
Cathodic Protection				0181-0908	\$5,000
Electrical Installations				0181-0909	\$100,000
Production Equipment Installation				0181-0910	\$45,000
Pipeline Construction				0181-0920	\$100,000
TOTAL			\$289,800		\$977,000
SUBTOTAL			\$1,943,800		\$2,158,300
TOTAL WELL COST			\$4,101,800		

Prepared by: J. Nave Date: 1/14/2015

Co. Approval: M. Whittier Date: 1/14/2015

Joint Owner Interest: _____ Amount: _____

Joint Owner Name: _____ Signature: _____

Operator has secured Operator's Extra Expense Insurance covering costs of well control, clean up and redrilling as estimated in Line Item 0180-0185. Non-Operator may elect NOT to be covered by this Operator's Extra Expense Insurance only by signing below. The undersigned elects **NOT to be covered** by Operator's Extra Expense Insurance for their well.

Joint Owner Name: _____ Signature: _____

Form Rev: 9/2014

EXHIBIT 4

Offset Ownership
Yardbirds 3 D3BO Fee No. 1H
W/2E/2 of Section 3, T24S, R28E
Eddy County, New Mexico

Section 3, T24S, R28E:

Mewbourne Oil Company – Operator

Section 34, T23S, R28E:

Mewbourne Oil Company – Operator

N/2 of Section 10, T24S, R28E:

Matador Production Company – Operator

EXHIBIT 5

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

**APPLICATION OF MEWBOURNE OIL COMPANY
FOR A NON-STANDARD OIL SPACING AND
PRORATION UNIT AND COMPULSORY POOLING,
EDDY COUNTY, NEW MEXICO.**

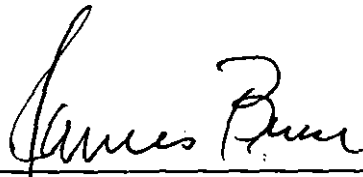
Case No. 15,512

AFFIDAVIT OF NOTICE

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

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

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




James Bruce

SUBSCRIBED AND SWORN TO before me this 20th day of July, 2016 by James Bruce.

My Commission Expires





Notary Public

EXHIBIT

6

JAMES BRUCE
ATTORNEY AT LAW

POST OFFICE BOX 1056
SANTA FE, NEW MEXICO 87504

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

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

jamesbruce@aol.com

June 30, 2016

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

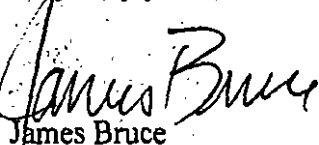
To: Persons on Exhibit A

Ladies and gentlemen:

Enclosed is a copy of an application for a non-standard oil and spacing and proration unit, *etc.*, filed with the New Mexico Oil Conservation Division by Mewbourne Oil Company, regarding a Delaware well in the W/2E/2 of Section 3, Township 24 South, Range 28 East, NMPM, Eddy County, New Mexico. This matter is scheduled for hearing at 8:15 a.m. on Thursday, July 21, 2016, at the Division's offices at 1220 South St. Francis Drive, Santa Fe, New Mexico 87505. **As an offset operator or lessee to the well unit** you have the right to enter an appearance and participate in the case. Failure to appear will preclude you from contesting this matter at a later date.

You are required to notify (in writing) the Division, and the undersigned, by Thursday, July 14, 2016 if you intend to participate in the hearing.

Very truly yours,


James Bruce

Attorney for Mewbourne Oil Company

Attachment

A

EXHIBIT A

Matador Production Company
Suite 1500
5400 LBJ Freeway
Dallas, Texas 75240

7012 3050 0000 2947 6632

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)
For delivery information visit our website at www.usps.com
OFFICIAL USE

Postage	\$	Postmark Here
Certified Fee		
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$	

Sent To	Matador Production Company
Street, Apt. No., or PO Box No.	Suite 1500 5400 LBJ Freeway Dallas, Texas 75240
City, State, ZIP+4	

PS Form 3800, August 2006 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:

Matador Production Company
Suite 1500
5400 LBJ Freeway
Dallas, Texas 75240

9590 9402 1676 6053 7775 64

2. Article Number (Transfer from service label)

7012 3050 0001 2947 6632

COMPLETE THIS SECTION ON DELIVERY

A. Signature ☒ Agent ☐ Addressee

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

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

3. Service Type

<input type="checkbox"/> Adult Signature	<input type="checkbox"/> Priority Mail Express®
<input type="checkbox"/> Adult Signature Restricted Delivery	<input type="checkbox"/> Registered Mail™
<input checked="" type="checkbox"/> Certified Mail®	<input type="checkbox"/> Registered Mail Restricted Delivery
<input type="checkbox"/> Certified Mail Restricted Delivery	<input type="checkbox"/> Return Receipt for Merchandise
<input type="checkbox"/> Collect on Delivery	<input type="checkbox"/> Signature Confirmation™
<input type="checkbox"/> Collect on Delivery Restricted Delivery	<input type="checkbox"/> Signature Confirmation Restricted Delivery

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

APPLICATION OF MEWBOURNE OIL COMPANY
FOR A NON-STANDARD OIL SPACING AND
PRORATION UNIT AND COMPULSORY POOLING,
EDDY COUNTY, NEW MEXICO.


Case No. 15,512

AFFIDAVIT OF NOTICE

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

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

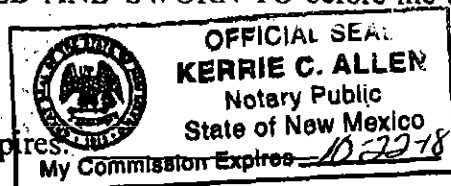
1. I am over the age of 18, and have personal knowledge of the matters stated herein.
2. I am an attorney for Mewbourne Oil Company.
3. Mewbourne Oil Company has conducted a good faith, diligent effort to find the names and correct addresses of the interest owners entitled to receive notice of the application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

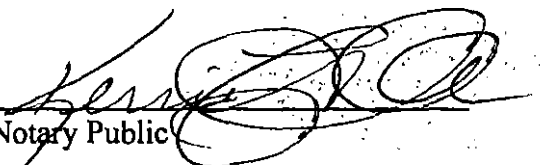


James Bruce

SUBSCRIBED AND SWORN TO before me this 20th day of July, 2016 by James Bruce.

My Commission Expires:





Notary Public

EXHIBIT

1

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

June 30, 2016

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

To: Persons on attached list

Ladies and gentlemen:

Enclosed is an application for a non-standard oil spacing unit and compulsory pooling, filed with the New Mexico Oil Conservation Division by Mewbourne Oil Company, regarding a Delaware well in the W/2E/2 of Section 3, Township 24 South, Range 28 East, NMPM, Eddy County, New Mexico.

This matter is scheduled for hearing at 8:15 a.m. on Thursday, July 21, 2016, 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 that 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, July 14, 2016. 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 its 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

Attachment

A

Parties Being Notified

- 1) J.M. Turney and husband, Steve Turney
3144 Wabash Avenue
Fort Worth, Texas 76109
- 2) Estate of John P. Bates, Deceased
5214 Ridgewood Reef
Houston, Texas 77041
- 3) Facowie Energy, a sole Proprietorship of E. Bradford Mantz
1732 Star Crest Place
San Marcos, California 92078

7012 3050 0001 2947 6649

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

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

OFFICIAL USE

Postage	\$	Postmark Here
Certified Fee		
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$	

Sent To: **Facowie Energy, a sole Proprietorship**
1732 Star Crest Place
San Marcos, California 92078

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

PS Form 3800, August 2006 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:

Estate of John P. Bates, Deceased
5214 Ridgewood Reef
Houston, Texas 77041

2. Article Number: 9590 9402 1676 6053 7775 88

COMPLETE THIS SECTION ON DELIVERY

A. Signature: *John P. Bates* ☐ Agent ☒ Addressee

B. Received by (Printed Name): *John P. Bates* Date of Delivery: *8/1/06*

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

3. Service Type

<input type="checkbox"/> Adult Signature	<input type="checkbox"/> Priority Mail Express®
<input type="checkbox"/> Adult Signature Restricted Delivery	<input type="checkbox"/> Registered Mail™
<input checked="" type="checkbox"/> Certified Mail®	<input type="checkbox"/> Registered Mail Restricted Delivery
<input type="checkbox"/> Certified Mail Restricted Delivery	<input type="checkbox"/> Return Receipt for Merchandise
<input type="checkbox"/> Collect on Delivery	<input type="checkbox"/> Signature Confirmation™
<input type="checkbox"/> Collect on Delivery Restricted Delivery	<input type="checkbox"/> Signature Confirmation Restricted Delivery

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

Domestic Return Receipt

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:

Facowie Energy, a sole Proprietorship
1732 Star Crest Place
San Marcos, California 92078

2. Article Number: 9590 9402 1676 6053 7775 95

COMPLETE THIS SECTION ON DELIVERY

A. Signature: *John P. Bates* ☐ Agent ☒ Addressee

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

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

3. Service Type

<input type="checkbox"/> Adult Signature	<input type="checkbox"/> Priority Mail Express®
<input type="checkbox"/> Adult Signature Restricted Delivery	<input type="checkbox"/> Registered Mail™
<input checked="" type="checkbox"/> Certified Mail®	<input type="checkbox"/> Registered Mail Restricted Delivery
<input type="checkbox"/> Certified Mail Restricted Delivery	<input type="checkbox"/> Return Receipt for Merchandise
<input type="checkbox"/> Collect on Delivery	<input type="checkbox"/> Signature Confirmation™
<input type="checkbox"/> Collect on Delivery Restricted Delivery	<input type="checkbox"/> Signature Confirmation Restricted Delivery

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

Domestic Return Receipt

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

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

OFFICIAL USE

Postage	\$	Postmark Here
Certified Fee		
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$	

Sent To: **Estate of John P. Bates, Deceased**
5214 Ridgewood Reef
Houston, Texas 77041

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

PS Form 3800, August 2006 See Reverse for Instructions

7014 0510 0000 9539 1582

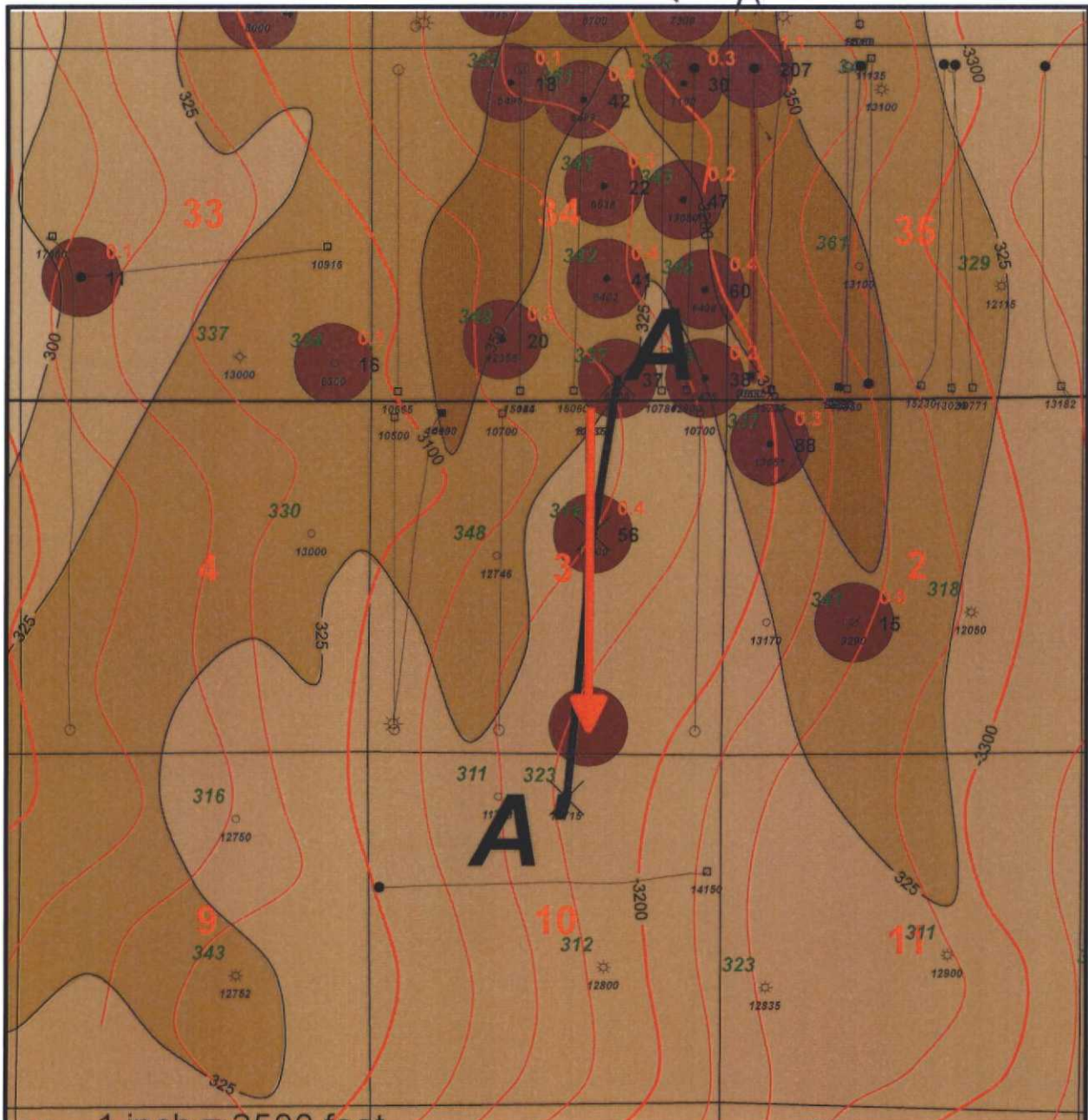
U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)

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

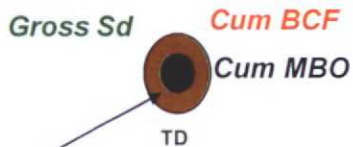
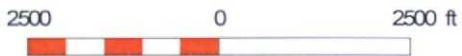
OFFICIAL USE

Postage	\$	Postmark Here
Certified Fee		
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$	
J.M. Turney and husband, Steve Turney		
Sent To 3144 Wabash Avenue		
Street, Apt. No., or PO Box No. Fort Worth, Texas 76109		
City, State, ZIP+4		

Good
well



1 inch = 2500 feet



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



MOC Mewbourne Oil Company		
<i>Yardbirds 3 D3BO Fee 1H</i>		
<i>Isopach & Structure Map Exhibit</i>		
<i>Isopach Basal Brushy Canyon Gross Sd (C.I. 25')</i>		
<i>Structure Top of BSPG (C.I. 25')</i>		
6/24/2016	Eddy County	New Mexico
Wells - 5000' Filtered Out	1 Inch = 2500 Feet	N.Cless

EXHIBIT f

A

300153641000
TREK OPERATING LLC
BUSHBY 1
Reference=KB
Datum=3034.00
SE SW SE
TWP: 23 S - Range: 28 E - Sec. 34

0.4 miles

300152285300
BRECK OPERATING CORP
MALAGA COM 1
Reference=KB
Datum=3041.00
1980 FNL/1980 FEL
TWP: 24 S - Range: 28 E - Sec. 3

0.7 miles

300152309900
MATADOR PRODUCTION
GUITAR 10 1
Reference=KB
Datum=3011.00
660 FNL/2310 FEL
TWP: 24 S - Range: 28 E - Sec. 10

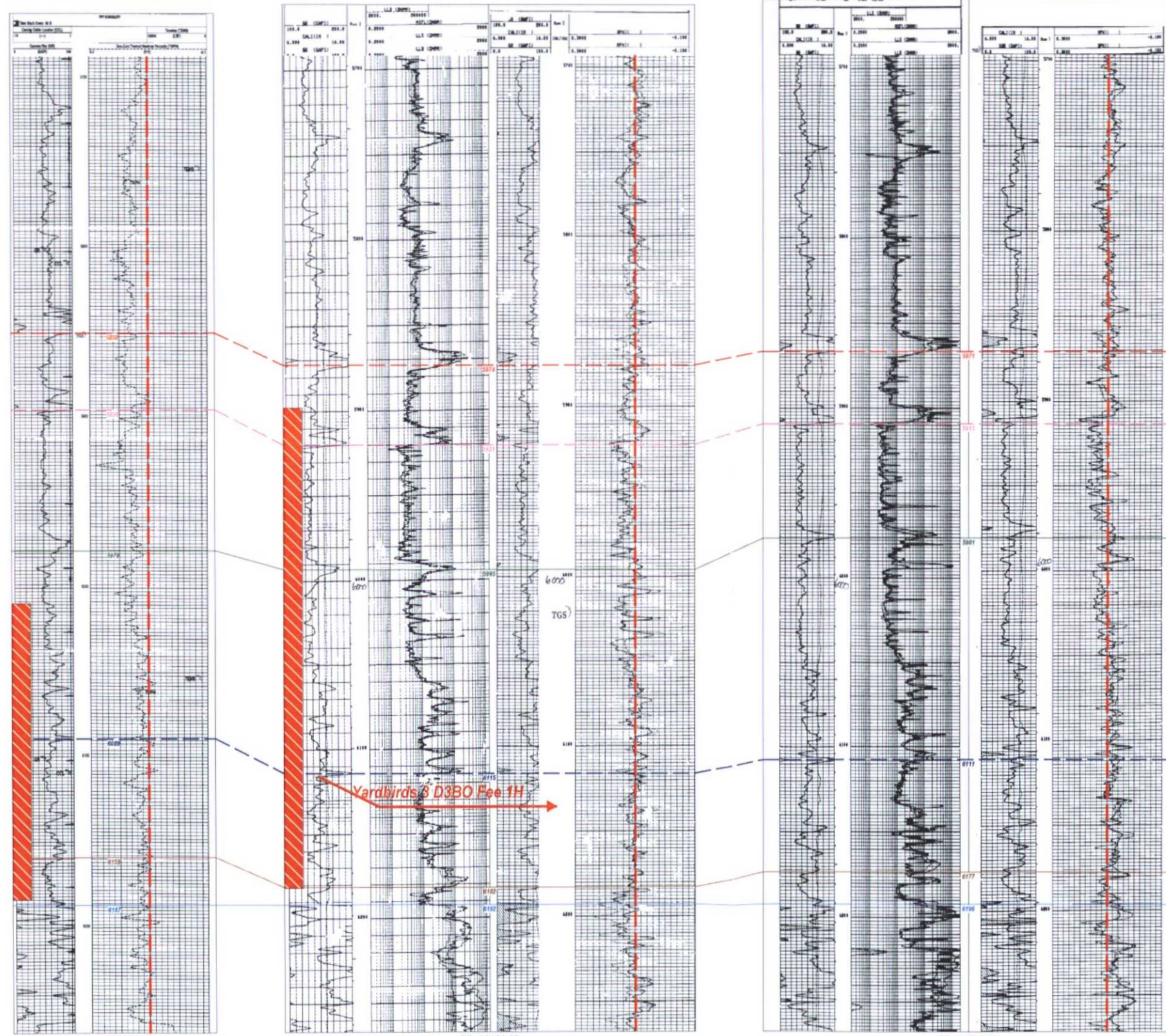
A'

34 O
DLWR Cum: 37 mbo, 0.3 bcf

3 G
DLWR Cum: 56 mbo, 0.4 bcf

10 B

500



TD=6600.00
Cum Oil All Zones: 37 bbls
Cum Gas All Zones: 0.3 BCF
Cum Water All Zones: 150 bbls

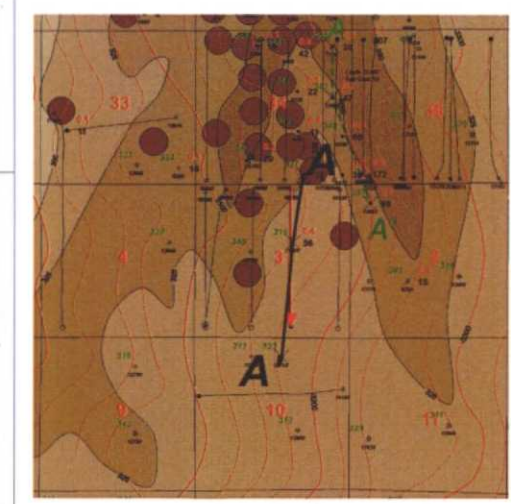
TD=13100.00
Cum Oil All Zones: 119 bbls
Cum Gas All Zones: 7.0 BCF
Cum Water All Zones: 1082 bbls

TD=12715.00
Cum Oil All Zones: 0.7 bbls

Upper Brushy Canyon

500

Basal Brushy Canyon



Isopach Basal Brushy Gross Sand (C.I. 25')
Structure Top of BSPG (C.I. 25')

Top BSPG

0

Yardbirds 3 D3BO Fee 1H
Cross Section Exhibit A-A'

EXHIBIT 9

Yardbirds 3 D3BO Fee 1H DLWR Production Table

Well Name	Operator	API	Location	Vertical/Horizontal	DLWR Completion Date	Cum Oil (mbo)	Cum Gas (bcf)	Cum Water (mbw)
Higgins 33 #1H	COG	3001536645	33I/23S/28E	Vertical	7/1/2007	11	0.1	115
Witt #1	Southwest Royalties	3001526798	33P/23S/28E	Vertical	11/26/1991	16	0.1	163
Tucker #1	BK Exploration	3001531997	34A/23S/28E	Vertical	1/21/2002	30	0.3	97
Pardue 34 #2	BK Exploration	3001533018	34B/23S/28E	Vertical	11/25/2003	42	0.4	85
Pardue 34 #4	BK Exploration	3001533545	34C/23S/28E	Vertical	12/14/2004	18	0.1	75
Pardue 34 #3	BK Exploration	3001533513	34G/23S/28E	Vertical	11/18/2004	22	0.3	42
Pardue 34 Com #1	BK Exploration	3001522902	34H/23S/28E	Vertical	10/25/2000	47	0.2	98
Barton #1	BK Exploration	3001532432	34I/23S/28E	Vertical	10/17/2002	60	0.4	154
Carmex #1	Trek Operating	3001536023	34J/23S/28E	Vertical	4/1/2008	41	0.4	89
Fate 34 #1	HEC Petroleum	3001523679	34N/23S/28E	Vertical	3/10/1998	20	0.3	259
Bushby #1	Trek Operating	3001536410	34O/23S/28E	Vertical	10/20/2008	37	0.3	150
Williams Estate #1	Bird Creek Resources	3001527173	34P/23S/28E	Vertical	2/2/1993	38	0.2	59
Malaga A #2	Southwest Royalties	3001523287	2D/24S/28E	Vertical	8/20/1991	88	0.3	166
Julia Beeman Et Al #1	Bess	3001502487	2K/24S/28E	Vertical	8/19/1954	15	0.0	0
Malaga Com #1	Maddox Energy	300152285300	3G/24S/28E	Vertical	4/30/2001	56	0.4	793

EXHIBIT 16



NM OIL CONSERVATION
ARTESIA DISTRICT

DEC 10 2015

RECEIVED

3001542948

Mewbourne Oil Company .

Eddy County, New Mexico

Section 3-24S-28E Yardbirds 3 D3BO Fee #1H

Yardbirds 3 D3BO Fee #1H

Original Hole

Design: Original Hole

Standard Survey Report

31 July, 2015



Provide signature page for Survey





Stryker Directional Survey Report



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Yardbirds 3 D3BO Fee #1H
Project:	Eddy County, New Mexico	TVD Reference:	3023 +20 @ 3043.0usft (Patterson)
Site:	Section 3-24S-28E Yardbirds 3 D3BO Fee #1H	MD Reference:	3023 +20 @ 3043.0usft (Patterson)
Well:	Yardbirds 3 D3BO Fee #1H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	Stryker_EDM

Project	Eddy County, New Mexico		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

Site	Section 3-24S-28E Yardbirds 3 D3BO Fee #1H		
-------------	--	--	--

Site Position:		Northing:	456,084.00 usft	Latitude:	32° 15' 13.043 N
From:	Map	Easting:	580,551.70 usft	Longitude:	104° 4' 21.955 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.14 °

Well	Yardbirds 3 D3BO Fee #1H					
Well Position	+N/-S	0.0 usft	Northing:	456,084.00 usft	Latitude:	32° 15' 13.043 N
	+E/-W	0.0 usft	Easting:	580,551.70 usft	Longitude:	104° 4' 21.955 W
Position Uncertainty	0.0 usft	Wellhead Elevation:	0.0 usft	Ground Level:	3,023.0 usft	

Wellbore	Original Hole				
-----------------	---------------	--	--	--	--

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	4/1/2015	7.42	60.03	48,132

Design	Original Hole				
---------------	---------------	--	--	--	--

Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.0

Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	180.90

Survey Program		Date 7/31/2015			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
100.0	5,478.0	VES Gyro Survey #1 (Original Hole)	NSG-CT_WL	Continuous north-seeking gyro on wireline	
5,524.0	10,535.0	MWD Survey (Original Hole)	MWD	MWD v3: standard declination	

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.78	276.94	100.0	0.1	-0.7	-0.1	0.78	0.78	0.00
200.0	0.87	273.47	200.0	0.2	-2.2	-0.2	0.20	0.19	-3.47
300.0	0.99	257.52	300.0	0.1	-3.9	0.0	0.27	0.02	-15.95
400.0	1.29	253.59	400.0	-0.4	-5.8	0.5	0.31	0.30	-3.93
500.0	1.18	242.05	499.9	-1.2	-7.8	1.3	0.27	-0.11	-11.54
600.0	1.24	227.77	599.9	-2.4	-9.5	2.6	0.31	0.06	-14.28
700.0	1.21	218.51	699.9	-4.0	-11.0	4.2	0.20	-0.03	-9.26
800.0	1.18	216.79	799.9	-5.6	-12.2	5.8	0.05	-0.03	-1.72
900.0	1.28	217.94	899.8	-7.3	-13.5	7.6	0.10	0.10	1.15



Stryker Directional Survey Report



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Yardbirds 3 D380 Fee #1H
Project:	Eddy County, New Mexico	TVD Reference:	3023 +20 @ 3043.0usft (Patterson)
Site:	Section 3-24S-28E Yardbirds 3 D380 Fee #1H	MD Reference:	3023 +20 @ 3043.0usft (Patterson)
Well:	Yardbirds 3 D380 Fee #1H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	Stryker_EDM

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)
1,000.0	1.08	221.81	999.8	-8.9	-14.9	9.2	0.21	-0.20	3.87
1,100.0	1.29	220.88	1,099.8	-10.5	-16.2	10.7	0.21	0.21	-0.95
1,200.0	1.81	240.38	1,199.8	-12.1	-18.3	12.4	0.74	0.52	19.72
1,300.0	1.54	299.62	1,299.7	-12.2	-20.9	12.6	1.67	-0.27	59.24
1,400.0	1.72	40.03	1,399.7	-10.4	-21.1	10.8	2.51	0.18	100.41
1,500.0	1.45	77.82	1,499.7	-9.0	-18.9	9.3	1.06	-0.27	37.79
1,600.0	0.98	132.23	1,599.6	-9.3	-17.0	9.6	1.18	-0.49	54.41
1,700.0	1.23	154.05	1,699.6	-10.8	-15.9	11.1	0.49	0.27	21.82
1,800.0	1.10	188.87	1,799.6	-12.8	-15.6	13.0	0.67	-0.13	32.82
1,900.0	1.58	196.00	1,899.6	-15.0	-16.1	15.3	0.51	0.46	9.13
2,000.0	0.75	174.74	1,999.6	-17.0	-16.4	17.2	0.90	-0.81	-21.26
2,100.0	0.89	154.76	2,099.6	-18.2	-16.1	18.4	0.28	-0.06	-19.98
2,200.0	0.24	130.94	2,199.5	-18.9	-15.6	19.1	0.48	-0.45	-23.82
2,300.0	0.62	120.53	2,299.5	-19.3	-15.0	19.5	0.39	0.38	-10.41
2,400.0	1.22	121.36	2,399.5	-20.1	-13.6	20.3	0.60	0.80	0.83
2,500.0	1.45	129.11	2,499.5	-21.4	-11.7	21.6	0.29	0.23	7.75
2,600.0	1.24	130.47	2,599.5	-22.9	-9.9	23.1	0.21	-0.21	1.38
2,700.0	1.23	134.09	2,699.5	-24.4	-8.3	24.5	0.08	-0.01	3.62
2,800.0	1.13	135.97	2,799.4	-25.9	-6.9	26.0	0.11	-0.10	1.88
2,900.0	0.88	135.95	2,899.4	-27.1	-5.7	27.2	0.27	-0.27	-0.02
3,000.0	0.97	138.65	2,999.4	-28.3	-4.6	28.4	0.12	0.11	3.70
3,100.0	1.01	138.64	3,099.4	-29.6	-3.5	29.6	0.04	0.04	-1.01
3,200.0	1.07	136.05	3,199.4	-30.9	-2.3	31.0	0.08	0.08	-2.59
3,300.0	1.04	135.14	3,299.4	-32.2	-1.0	32.3	0.03	-0.03	-0.91
3,400.0	0.88	138.65	3,399.3	-33.5	0.2	33.5	0.17	-0.16	3.51
3,500.0	0.64	147.31	3,499.3	-34.5	1.0	34.5	0.27	-0.24	8.66
3,600.0	0.48	167.97	3,599.3	-35.3	1.4	35.3	0.21	-0.18	10.68
3,700.0	0.39	175.46	3,699.3	-36.1	1.6	36.0	0.15	-0.07	17.49
3,800.0	0.36	170.59	3,799.3	-36.7	1.7	36.7	0.04	-0.03	-4.87
3,900.0	0.33	180.50	3,899.3	-37.3	1.7	37.3	0.12	-0.03	18.91
4,000.0	0.24	209.43	3,999.3	-37.8	1.5	37.7	0.13	-0.09	18.93
4,100.0	0.39	212.46	4,099.3	-38.2	1.3	38.2	0.15	0.15	3.03
4,200.0	0.28	225.07	4,199.3	-38.7	0.9	38.7	0.13	-0.11	12.61
4,300.0	0.30	230.10	4,299.3	-39.0	0.5	39.0	0.03	0.02	5.03
4,400.0	0.40	219.62	4,399.3	-39.5	0.1	39.5	0.12	0.10	-10.48
4,500.0	0.38	234.05	4,499.3	-39.9	-0.4	39.9	0.10	-0.04	14.43
4,600.0	0.30	251.11	4,599.3	-40.2	-0.9	40.2	0.11	-0.06	17.06
4,700.0	0.52	246.83	4,699.3	-40.5	-1.5	40.5	0.22	0.22	-4.28
4,800.0	0.69	250.76	4,799.3	-40.8	-2.5	40.9	0.17	0.17	3.93
4,900.0	1.06	246.28	4,899.3	-41.4	-3.9	41.5	0.38	0.37	-4.48
5,000.0	0.74	249.38	4,999.3	-42.0	-5.4	42.1	0.32	-0.32	3.10
5,100.0	0.96	234.34	5,099.3	-42.7	-6.7	42.8	0.31	0.22	-15.04
5,200.0	0.90	243.42	5,199.3	-43.8	-8.1	43.7	0.18	-0.06	9.08



Stryker Directional Survey Report



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Yardbirds 3 D3BO Fee #1H
Project:	Eddy County, New Mexico	TVD Reference:	3023 +20 @ 3043.0usft (Patterson)
Site:	Section 3-24S-28E Yardbirds 3 D3BO Fee #1H	MD Reference:	3023 +20 @ 3043.0usft (Patterson)
Well:	Yardbirds 3 D3BO Fee #1H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	Stryker_EDM

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	0.90	245.58	5,299.2	-44.2	-9.5	44.4	0.03	0.00	2.16
5,400.0	0.75	239.55	5,399.2	-44.9	-10.8	45.1	0.17	-0.15	-6.03
5,478.0	0.89	251.04	5,477.2	-45.3	-11.8	45.6	0.28	0.18	14.73
5478' MD VES Gyro									
5,524.0	0.80	250.00	5,523.2	-45.6	-12.4	45.8	0.20	-0.20	-2.26
5,555.0	1.80	200.80	5,554.2	-46.1	-12.8	46.3	4.56	3.23	-158.71
5,587.0	6.00	187.80	5,586.1	-48.2	-13.2	48.4	13.34	13.13	-41.25
5,619.0	11.30	186.00	5,617.8	-53.0	-13.7	53.2	16.58	16.56	-5.00
5,650.0	16.20	188.30	5,647.9	-60.3	-14.7	60.5	15.90	15.81	7.42
5,682.0	20.20	190.10	5,678.2	-70.2	-16.3	70.4	12.62	12.50	5.63
5,714.0	23.20	189.00	5,708.0	-81.8	-18.2	82.1	9.46	9.38	-3.44
5,746.0	25.90	187.00	5,738.2	-94.6	-20.0	94.9	9.11	8.71	-6.45
5,777.0	28.70	185.40	5,764.6	-109.2	-21.8	109.5	9.04	8.75	-5.00
5,809.0	31.70	185.00	5,792.3	-125.2	-23.1	125.6	9.40	9.38	-1.25
5,841.0	34.80	184.70	5,819.0	-142.7	-24.5	143.1	9.70	9.69	-0.94
5,872.0	36.70	183.10	5,844.2	-160.8	-25.8	161.1	6.83	6.13	-5.16
5,904.0	38.50	180.90	5,869.5	-180.3	-26.4	180.7	7.02	5.63	-6.88
5,936.0	40.10	178.30	5,894.3	-200.5	-26.3	200.9	7.17	5.00	-8.13
5,968.0	41.50	179.10	5,918.5	-221.4	-25.8	221.8	4.67	4.38	2.50
5,999.0	43.90	182.10	5,941.3	-242.5	-26.0	242.8	10.15	7.74	9.68
6,031.0	47.30	183.80	5,963.7	-265.3	-27.2	265.7	11.28	10.63	5.31
6,063.0	50.30	184.10	5,984.8	-289.3	-28.9	289.7	9.40	9.38	0.94
6,095.0	53.10	183.90	6,004.6	-314.3	-30.6	314.8	8.76	8.75	-0.83
6,127.0	56.40	182.50	6,023.1	-340.4	-32.1	340.9	10.91	10.31	-4.38
6,158.0	59.30	180.40	6,039.6	-366.7	-32.8	367.1	10.97	9.35	-6.77
6,190.0	61.60	178.80	6,055.3	-394.5	-32.6	395.0	8.40	7.19	-5.00
6,222.0	64.70	178.10	6,069.8	-423.0	-31.8	423.5	9.88	9.69	-2.19
6,254.0	68.50	179.80	6,082.5	-452.4	-31.2	452.8	12.84	11.88	5.31
6,285.0	72.80	181.80	6,092.8	-481.6	-31.7	482.1	15.15	13.87	6.45
6,285.0	72.90	181.81	6,093.0	-482.5	-31.7	482.9	11.60	11.58	0.95
LP Yardbirds 3 D3BO Fee #1H									
6,317.0	76.50	182.10	6,101.2	-512.5	-32.7	512.9	11.60	11.58	0.94
6,349.0	78.50	180.70	6,108.2	-543.7	-33.5	544.2	7.57	6.25	-4.38
6,381.0	80.80	179.60	6,113.9	-575.2	-33.6	575.6	7.94	7.19	-3.44
6,412.0	84.60	179.20	6,117.8	-605.9	-33.2	606.4	12.32	12.26	-1.29
6,444.0	89.00	179.00	6,119.6	-637.9	-32.7	638.3	13.76	13.75	-0.63
6,480.0	90.80	179.30	6,119.7	-673.8	-32.2	674.3	5.07	5.00	0.83
6,511.0	91.30	179.10	6,119.1	-704.8	-31.8	705.3	1.74	1.61	-0.65
6,572.0	90.50	178.10	6,118.2	-765.8	-30.3	766.2	2.10	-1.31	-1.64
6,634.0	88.90	179.10	6,118.5	-827.8	-28.8	828.1	3.04	-2.58	1.61
6,695.0	88.60	178.20	6,119.8	-888.8	-27.3	889.1	1.55	-0.49	-1.48
6,757.0	88.70	180.00	6,121.3	-950.7	-26.4	951.0	2.91	0.16	2.80
6,821.0	89.10	179.60	6,122.5	-1,014.7	-26.1	1,015.0	0.88	0.63	-0.63
6,884.0	89.80	178.70	6,123.1	-1,077.7	-25.2	1,078.0	1.81	1.11	-1.43



Stryker Directional Survey Report



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Yardbirds 3 D3BO Fee #1H
Project:	Eddy County, New Mexico	TVD Reference:	3023 +20 @ 3043.0usft (Patterson)
Site:	Section 3-24S-28E Yardbirds 3 D3BO Fee #1H	MD Reference:	3023 +20 @ 3043.0usft (Patterson)
Well:	Yardbirds 3 D3BO Fee #1H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	Stryker_EDM

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)
6,947.0	89.70	179.80	6,123.4	-1,140.7	-24.4	1,140.9	1.75	-0.16	1.75
7,011.0	90.00	179.70	6,123.6	-1,204.7	-24.1	1,204.9	0.49	0.47	-0.16
7,075.0	91.10	181.90	6,122.9	-1,268.7	-25.0	1,268.9	3.84	1.72	3.44
7,169.0	89.40	182.70	6,122.5	-1,362.6	-28.8	1,362.9	2.00	-1.81	0.85
7,264.0	90.50	182.80	6,122.6	-1,457.5	-33.3	1,457.8	1.16	1.16	0.11
7,359.0	89.30	182.20	6,122.8	-1,552.4	-37.5	1,552.8	1.41	-1.26	-0.63
7,453.0	88.60	181.40	6,124.5	-1,646.3	-40.4	1,646.8	1.13	-0.74	-0.85
7,548.0	89.80	182.00	6,126.0	-1,741.3	-43.2	1,741.7	1.23	1.05	0.63
7,643.0	88.80	182.20	6,127.3	-1,836.2	-46.7	1,836.7	0.87	-0.84	0.21
7,737.0	88.00	180.90	6,130.0	-1,930.1	-49.3	1,930.7	1.62	-0.85	-1.38
7,832.0	89.80	181.40	6,131.8	-2,025.1	-51.2	2,025.6	1.97	1.89	0.53
7,927.0	89.50	181.20	6,132.4	-2,120.1	-53.3	2,120.6	0.38	-0.32	-0.21
8,021.0	90.90	182.50	6,132.0	-2,214.0	-56.3	2,214.6	2.03	1.49	1.38
8,116.0	91.00	183.10	6,130.5	-2,308.9	-61.0	2,309.6	0.64	0.11	0.63
8,211.0	92.10	184.00	6,127.9	-2,403.7	-66.9	2,404.4	1.50	1.16	0.95
8,306.0	89.50	183.50	6,126.6	-2,498.4	-73.1	2,499.3	2.79	-2.74	-0.53
8,401.0	86.10	179.80	6,130.2	-2,593.3	-75.8	2,594.2	5.29	-3.58	-3.89
8,496.0	89.20	180.30	6,134.1	-2,688.2	-75.9	2,689.1	3.31	3.26	0.53
8,591.0	89.20	180.60	6,135.4	-2,783.2	-76.6	2,784.1	0.32	0.00	0.32
8,686.0	88.70	180.30	6,137.2	-2,878.2	-77.4	2,879.0	0.61	-0.53	-0.32
8,781.0	89.20	181.10	6,138.9	-2,973.2	-78.5	2,974.0	0.99	0.53	0.84
8,876.0	89.50	181.10	6,140.0	-3,068.1	-80.4	3,069.0	0.32	0.32	0.00
8,971.0	88.20	180.50	6,141.9	-3,163.1	-81.7	3,164.0	1.51	-1.37	-0.63
9,065.0	90.80	181.00	6,142.7	-3,257.1	-82.9	3,258.0	2.82	2.77	0.53
9,161.0	91.60	180.70	6,140.7	-3,353.1	-84.4	3,354.0	0.89	0.83	-0.31
9,256.0	92.20	181.60	6,137.6	-3,448.0	-86.3	3,448.9	1.14	0.63	0.95
9,350.0	89.80	180.90	6,135.9	-3,541.9	-88.3	3,542.9	2.66	-2.55	-0.74
9,445.0	87.70	179.50	6,138.0	-3,636.9	-88.6	3,637.8	2.66	-2.21	-1.47
9,540.0	88.70	179.60	6,141.0	-3,731.9	-87.9	3,732.8	1.06	1.05	0.11
9,635.0	89.20	179.60	6,142.7	-3,826.8	-87.2	3,827.7	0.53	0.53	0.00
9,730.0	87.80	179.50	6,145.2	-3,921.8	-86.5	3,922.7	1.48	-1.47	-0.11
9,825.0	86.90	178.50	6,149.6	-4,016.7	-84.8	4,017.5	1.42	-0.95	-1.05
9,920.0	88.10	178.90	6,153.7	-4,111.6	-82.7	4,112.4	1.33	1.26	0.42
10,015.0	93.10	178.10	6,152.7	-4,206.5	-80.2	4,207.2	5.33	5.26	-0.84
10,110.0	90.20	177.40	6,150.0	-4,301.4	-76.5	4,302.0	3.14	-3.05	-0.74
10,205.0	89.80	176.50	6,150.0	-4,396.2	-71.4	4,396.8	1.04	-0.42	-0.95
10,300.0	90.00	175.20	6,150.2	-4,491.0	-64.5	4,491.4	1.38	0.21	-1.37
10,389.0	86.30	173.00	6,153.0	-4,579.4	-55.4	4,579.7	4.84	-4.18	-2.47
10,480.0	83.60	172.00	6,161.9	-4,679.2	-42.3	4,679.3	2.85	-2.67	-0.99
10,533.0	83.60	172.00	6,166.7	-4,721.5	-36.3	4,721.5	0.00	0.00	0.00
PBHL Yardbirds 3 D3BO Fee#1H									
10,535.0	83.60	172.00	6,166.9	-4,723.5	-36.0	4,723.4	0.00	0.00	0.00
10535' MD Projected to Bit									



Stryker Directional Survey Report



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Yardbirds 3 D3BO Fee #1H
Project:	Eddy County, New Mexico	TVD Reference:	3023 +20 @ 3043.0usft (Patterson)
Site:	Section 3-24S-28E Yardbirds 3 D3BO Fee #1H	MD Reference:	3023 +20 @ 3043.0usft (Patterson)
Well:	Yardbirds 3 D3BO Fee #1H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	Stryker_EDM

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)

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N-S (usft)	+E-W (usft)	
5,478.0	5,477.2	-45.3	-11.8	5478' MD VES Gyro
10,535.0	6,166.9	-4,723.5	-36.0	10535' MD Projected to Bit



COMPANY: Mewbourne Oil Company
 WELL: Yardbirds 3 D380 Fee #1H
 COUNTY: Eddy County, New Mexico
 DATUM: NAD 1927 (NADCON CONUS)



GRID CORRECTION: To convert a Magnetic Direction to a Grid Direction, Add 7.29°

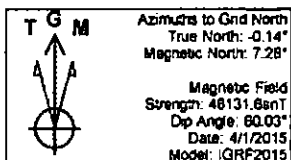
OFFICE 934.582.7294

GEODEIC ZONE: New Mexico East 3001
 3023 +20 @ 3043 Oust (Peterson)
 GROUND ELEVATION: 3023.0

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Spot
0.0	0.0	456084.00	580551.70	32° 15' 13.043 N	104° 4' 21.956 W	

PLAN SECTIONS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Diag	T.Fac	V.Sect	Target
1	5478.0	0.89	251.04	5477.2	-45.3	-11.8	0.00	0.00	45.5	
2	5848.9	0.89	251.04	5848.1	-48.2	-14.3	0.00	0.00	48.4	
3	6393.0	89.59	180.65	6123.0	-520.2	-26.6	12.00	-70.40	520.5	
4	10601.6	89.59	180.65	6153.0	-4728.4	-74.4	0.00	0.00	4729.0	PBHL Yardbirds 3 D380 Fee#1H



SHL : Section3-24S-28E
 PBHL:Section3-24S-28E

