

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

**APPLICATION OF MEWBOURNE OIL
COMPANY FOR COMPULSORY POOLING,
EDDY COUNTY, NEW MEXICO**

Case No. 20504

**SELF-AFFIRMED STATEMENT OF
LEE SCARBOROUGH**

1. I am over 18 years of age and am competent to provide this Self-Affirmed Statement. I have personal knowledge of the matters addressed herein.
2. I am a landman at Mewbourne Oil Company ("Mewbourne"). I have had direct involvement with Mewbourne's development of the 320-acre standard horizontal spacing unit ("HSU") that is the subject of Mewbourne's application in this case.
3. A Midland Map with the HSU outlined is attached hereto as Exhibit A. The HSU is comprised of the N/2 N/2 of Section 16 and the N/2 N/2 of Section 17, Township 20 South, Range 29 East in Eddy County.
4. Mewbourne seeks to pool the uncommitted mineral interests in the Third Bone Spring Sand interval of the Bone Spring formation underlying the HSU. The unit will be dedicated to Mewbourne's proposed Glock 17/16 B3DA Federal Com #2H well, which will be horizontally drilled from a surface location in Unit A in Section 18 to a bottom hole location in Unit A in Section 16, Township 20 South, Range 29 East. Attached hereto as Exhibit B is the C-102 for the well.
5. There are no depth exceptions in the Wolfcamp formation underlying the HSU. Mewbourne seeks to pool only the Third Bone Spring Sand based on a contractual operating

Case No. 20504

**MEWBOURNE OIL
Exhibit #1**

agreement that covers the top of the Third Bone Spring Sand to the base of the Wolfcamp formation.

6. 77.958% of the working interest in the HSU is committed to the proposed well. Attached hereto as Exhibit C is a listing of the committed and uncommitted interests in the HSU.

7. On January 28, 2019, I sent a well proposal letter to each of the then-uncommitted mineral interests in the HSU. A sample of my well proposal letter and a spreadsheet identifying the interests to whom I sent the letter are attached hereto as Exhibit D.

8. After I sent the well proposal letters, I had follow-up communications with locatable uncommitted interests, several of whom leased their interest to Mewbourne.

9. In my opinion, Mewbourne has made a good faith effort to obtain the voluntary joinder of the uncommitted interests in the HSU.

10. Certified mail notice of Mewbourne's application and the Division hearing was provided to the remaining uncommitted mineral interests by certified mail. A sample of the notice letters and the green cards that have been returned are attached hereto as Exhibit E.

11. Because certain of the uncommitted interests were unlocatable, Mewbourne published notice of the Division hearing on May 22, 2019. A copy of the Carlsbad Current-Argus Affidavit of Publication is attached hereto as Exhibit F.

12. The AFE for the proposed well is attached hereto as Exhibit G. The estimated cost of the well is fair and reasonable, and is comparable to the costs of other wells of similar depth and length drilled in Eddy County.

13. Mewbourne requests overhead and administrative rates of \$8,000 per month while the wells are being drilled and \$800 per month while the wells are producing. These rates are fair, and are comparable to the rates charged by Mewbourne and by other operators in the vicinity.

They are also the rates set forth in the Joint Operating Agreement for the well. Mewbourne further requests that the rates be adjusted periodically in accordance with the COPAS Accounting Procedure.

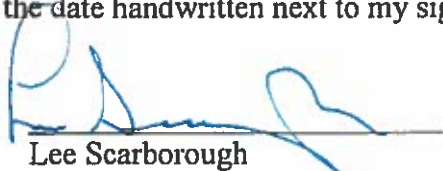
14. Mewbourne requests that it be designated the operator of the well.

15. Mewbourne also requests that a 200% risk charge be assessed against the remaining uncommitted interests if they are non-consenting working interest owners.

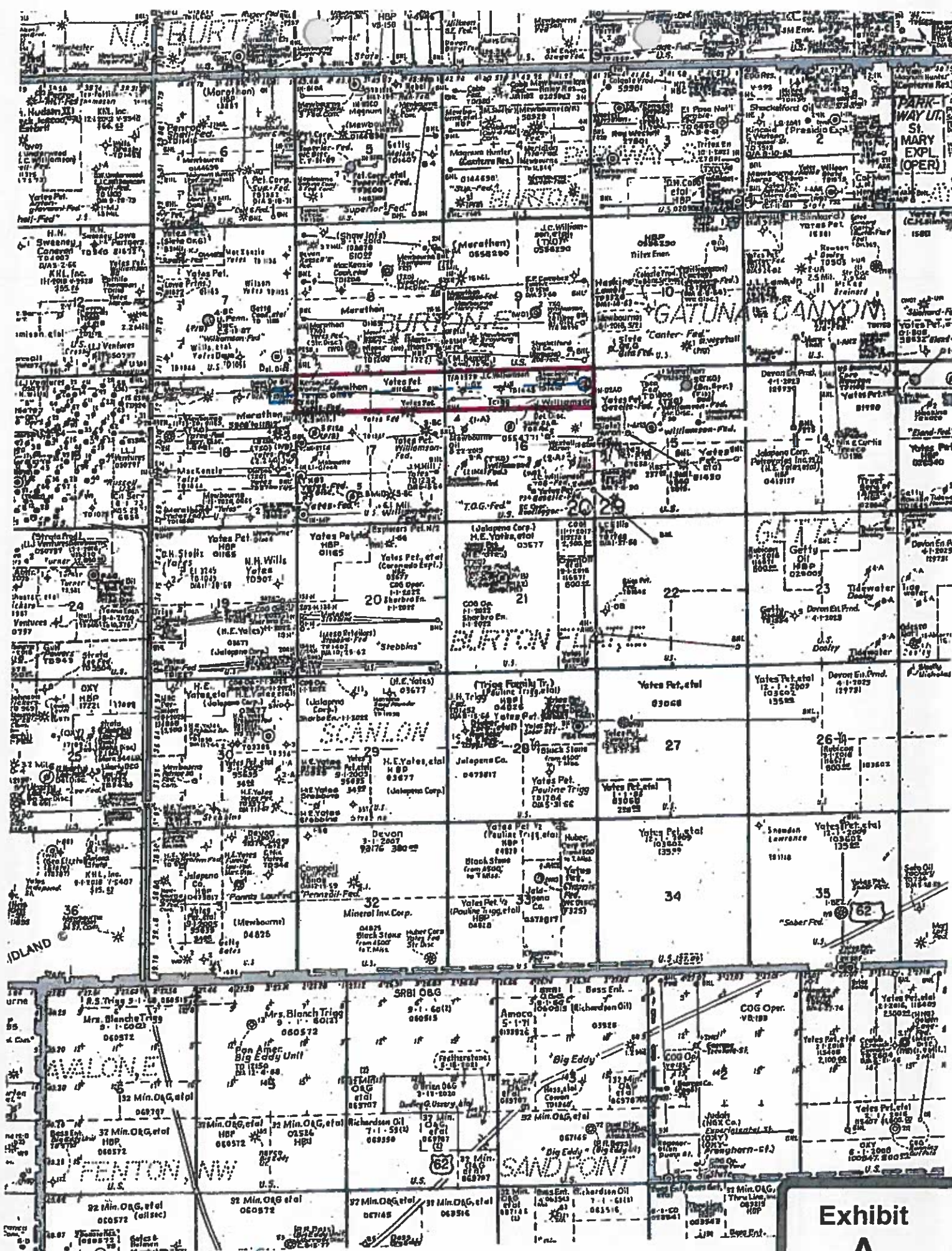
16. In my opinion, the granting of Mewbourne's application would avoid the drilling of unnecessary wells and serve the interests of conservation and the prevention of waste.

17. The exhibits attached hereto were either prepared by me or under my supervision or were compiled from company business records.

18. I understand that this Self-Affirmed Statement will be used as written testimony in this case. I affirm that my testimony in paragraphs 1 through 17 above is true and correct and is made under penalty of perjury under the laws of the State of New Mexico. My testimony is made as of the date handwritten next to my signature below.


Lee Scarborough

6/12/2019
Date



District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-9720
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
1210 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

NM OIL CONSERVATION
ARTESIA DISTRICT
Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

RECEIVED ☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 30-015-45794		2 Pool Code 27470		3 Pool Name GETTY BONE SPRING	
4 Property Code 325169		5 Property Name GLOCK 17/16 B3DA FEDERAL COM			6 Well Number 2H
7 DGRID NO. 14744		8 Operator Name MEWBOURNE OIL COMPANY			9 Elevation 3285'
10 Surface Location					
UL or lot no. A	Section 18	Township 20S	Range 29E	Lot Idn 800	Feet from the North/South line NORTH
				Feet from the East/West line 600	County EDDY
11 Bottom Hole Location If Different from Surface					
UL or lot no. A	Section 18	Township 20S	Range 29E	Lot Idn 800	Feet from the North/South line NORTH
				Feet from the East/West line 100	County EDDY
12 Dedicated Acres 320		13 Joint or Infill		14 Consolidation Code	
				15 Order No.	

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

16 GEODETIC DATA NAD 83 GRID - NM EAST SURFACE LOCATION N: 574288.0 - E: 610827.4 LAT: 32.5785698° N LONG: 104.1077358° W BOTTOM HOLE N: 574504.2 - E: 621670.9 LAT: 32.5780988° N LONG: 104.0717842° W		CORNER DATA NAD 83 GRID - NM EAST A: FOUND 1" IRON PIPE N: 569795.3 - E: 606355.1 B: FOUND BRASS CAP "1942" N: 572439.7 - E: 608381.9 C: FOUND BRASS CAP "1916" N: 575081.0 - E: 608409.4 D: FOUND BRASS CAP "1916" N: 575085.1 - E: 608784.7 E: FOUND BRASS CAP "1916" N: 575088.6 - E: 611425.3 F: FOUND BRASS CAP "1916" N: 575086.5 - E: 614071.1 G: FOUND BRASS CAP "1916" N: 575085.0 - E: 616714.9 H: FOUND BRASS CAP "1916" N: 575095.2 - E: 619357.5		I: FOUND BRASS CAP "1918" N: 575105.3 - E: 621899.3 J: FOUND BRASS CAP "1916" N: 572482.9 - E: 622008.1 K: FOUND BRASS CAP "1916" N: 569820.2 - E: 622012.4 L: FOUND BRASS CAP "1916" N: 569809.9 - E: 619369.9 M: FOUND BRASS CAP "1916" N: 569798.5 - E: 616727.8 N: FOUND BRASS CAP "1916" N: 569801.9 - E: 614082.2 O: FOUND BRASS CAP "1916" N: 569804.9 - E: 611437.8 P: FOUND BRASS CAP "1916" N: 569800.7 - E: 608796.2 Q: FOUND BRASS CAP "1918" N: 572443.7 - E: 618721.8	
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 undivided 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: <u>Bradley Bishop</u> Date: <u>8-29-18</u> Printed Name: <u>Bradley Bishop</u> E-mail Address: <u>BBISHOP@MEWBOURNE.COM</u>		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. Date of Survey: <u>4-3-2018</u> Signature and Seal of: <u>Robert M. Howett</u> Certificate Number: <u>19880</u>			

RRC-Job No: LS1804427

RW 3-19-19

Exhibit
B

WIO		Glock 17/16 B3DA Fed Com 2H	
		BSPG	Comments
MOC		39.10153772	
Santo		1.09674109	
Oxy		1.64511151	
WPX		3.70150089	
Davoil		4.23696665	
McCombs		1.64511151	
Sand Dollar		0.41127788	
Johnston		0.20564683	
Short		0.20564420	
Axis		0.37758441	
Wildcat		0.37758441	
Vladin		0.54837041	
Brooks		0.23031561	
AmWest		4.23204935	
Greenstar		0.00265639	
Beavers		0.00265639	
EOG		19.93209350	
Clopton		0.00159392	
McCormick		0.00159392	
Manclark		0.00159392	
Total WI Committed		77.95763051	
Compulsory Pooling	BSPG		
GtWestern		7.69009242	Negotiating JOA
Marathon		11.48287831	Negotiating JOA
BoydLaughlin	0.82255575		
Josephine Laughlin	0.82255575		
WestWay	0.35986814		
Trompter	0.01275106		
Clampett's	0.00177102		
J. Bodean	0.00177102		
LaDoca	0.00177102		
Hewett/Powell Tr 2	0.00473292		
Hewett/Powell Tr 1	0.00058013		
Siegler Tr 2	0.00473292		
Siegler Tr 1	0.00058013		
Tutton	0.00348346		
SK Clay	0.00398472		
WP Kendall	0.00398459		
Wm Jacobs	0.00398459		
Andrew McMahon	0.00318809		
Russell Sampson	0.00265639		
Ivor Silver	0.00239081		

**Exhibit
C**

Patricia McMillian	0.00239081		
Lewis Holmes	0.00199230		
Alex Roter	0.00159405		
Ann Ragsdale	0.00159405		
Anthony Hawe	0.00159405		
Autruo Sterling	0.00159405		
Charles Albright	0.00159405		
Don Friedman	0.00079689		
Dorothy Hinchliff	0.00159405		
First St Bk	0.00159405		
George Oringdulph	0.00159405		
Gilbert Kanegawa	0.00159405		
Glenn Duke	0.00079702		
Harry Bersner	0.00159405		
Harry Poll	0.00159405		
Harry Green	0.00159392		
St Devote	0.75221710		
Janet Joslin	0.00159392		
Michael Steinman	0.00026567		
Judith Borger	0.00026567		
Robert Steinman	0.00053130		
Larry Pickett	0.00159392		
Leroy Simkins	0.00159392		
Leroy Burnette	0.00159392		
Trust 454F	0.00159392		
John Steffan	0.00159392		
L Zwick Trust	0.00159378		
MD Williams	0.00079689		
DL Pilant	0.00079689		
Mark Sandler	0.00159392		
Neil Schilke	0.00159392		
Norton Waldfogel	0.00159392		
Robert Varn	0.00159378		
Steven Lindesmith	0.00159392		
Thomas Geimer	0.00159392		
T Grover Swift	0.00159392		
Jackie Willis	0.00159392		
Henry Landers	0.00159392		
Warren Rosenquist	0.00159392		
Whitney Wilson	0.00159378		
William Bondeson	0.00159392		
Wm Fetner	0.00159392		
Sandra Starratt	0.00019926		
Total	2.86939876	19.17297073	
Total CP			22.04236949

MEWBOURNE OIL COMPANY

500 West Texas, Suite 1020

Midland, Texas 79701

Phone (432) 682-3715

Fax (432) 685-4170

January 28, 2019

Overnight Mail

WORKING INTEREST OWNERS

Re: Proposed Horizontal Tests
Section 16 and 17, Township 20 South, Range 29 East
Eddy County, New Mexico
Glock 17/16 Prospect

Ladies and Gentlemen:

Mewbourne Oil Company, as Operator, hereby proposes to form a 1,280.00 acre Working Interest Unit ("WIU") covering all of Section 16 and 17, Township 21 South, Range 32 East, Eddy County, New Mexico. This WIU will include all depths from the top of the Third Bone Spring sand to the base of the Wolfcamp formation as defined on Exhibit A of the Operating Agreement attached hereto.

In conjunction with the formation of the WIU, Mewbourne proposes to drill the following listed wells:

1) Glock 17/16 W0DA Fed Com #3H – APD Pending Approval
Surface Location: 824' FNL, 582' FEL, Section 18
Bottom Hole Location: 1310' FNL, 100' FEL, Section 16
Proposed Total Vertical Depth: 9,320'
Proposed Total Measured Depth: 20,195'
Formation: Wolfcamp (N/2)

2) Glock 17/16 B3DA Fed Com #2H – APD Pending Approval
Surface Location: 800' FNL, 600' FEL, Section 18
Bottom Hole Location: 400' FNL, 100' FEL, Section 16
Proposed Total Vertical Depth: 9,045'
Proposed Total Measured Depth: 19,920'
Formation: Bone Spring (N/2N/2)

Mewbourne will drill these wells "back-to-back", utilizing a "walking rig", in an effort to maximize cost efficiencies by reducing mobilization charges.

Enclosed for your review and further handling are AFEs for each of the wells listed above. In the event you elect to participate, please execute each AFE and return same to the undersigned within thirty (30) days, our proposed Operating Agreement is also enclosed for your review and execution. Please provide your most current well information requirements so that we may update our records.

**Exhibit
D**

Glock 17/16 Prospect
Page 2 of 2

Feel free to contact me at (432) 682-3715 or via email at lscarborough@mewbourne.com if you have any questions.

Very truly yours,

MEWBOURNE OIL COMPANY

Lee M. Scarborough
Landman

Enclosures

Company	Mailed	Received	Contact	Address1	Address2	Phone	Misc
ex M. Roter	3/18/2019	Returned					
Andrew E. MacMahon	3/18/2019	Returned		2 Westbury Drive	St. Charles, MO 63301		
Ann S. Ragsdale	3/18/2019	Returned		POB 130090	Houston, TX 77219-0090	713-424-5691	
Anthony Hawe	3/18/2019	3/29/2019		111 E 80th	New York City, NY 10021		
				2724 American Sadler Drive	Park City, UT 84060		
Arturo G. Sterling	3/18/2019	Returned		Tanglewood Rural Route 1	Pleasant Plains, IL 62677		
Charles C. Albright Trust	3/18/2019	Returned		425 E 58th, #35-B	New York City, NY 10022		
Don Friedman		Returned		729 West 16th Street, #B-8	Costa Mesa, CA 92627		
Dorothy Hinchliff	3/18/2019	Returned		3219 South Gregg Court	Denver, CO 80210		
E. Trompeter Estate		Returned	Robin Trompeter-6026 NW 31st Way, Boca Raton, FL 33496	17495 Roylton Road	Stronsville, OH 44136		
	3/18/2019			4620 Labarca Drive	Tarzana, CA 91356		
First State Bank	3/18/2019	Returned		6026 NW 31st Way	Boca Raton, FL 33496		
George M. Oringdolph & H.E. Oringdolph, dec'd	3/18/2019	Returned	Alston R. Colbert	POB 98	Rockwall, TX 75087		
Gilbert t. Kanegawa	3/18/2019	3/27/2019	Rob Oringdolph	2605 Park Avenue	Alamosa, CO 81101		
Glenn E. Duke	3/18/2019	Returned		99-155 Moanava Road	Aiea, HI 96701		
Harry Bersner	3/18/2019	Returned		3240 San Mateo Street	Clearwater, FL 33759-3630		
Harry F. Poil	3/18/2019	Returned		POB 721	San Francisco, CA 94101		
arry L. Green, Sr.	3/18/2019	Returned		610 Brookline Place	Fullerton, CA 92635		
Helene B. Hewett/Barbara A. Powell Trust 1				109 B Virginia St	Hannibal, MO 63401		
Helene B. Hewett/Barbara A. Powell Trust 2				Address Unknown			
Henry C. Landers		Returned		Address Unknown			
		Returned		1003 East Street	Redding, CA 96001		
Homer C. Turton	3/18/2019	Returned		6575 Majestic View Drive	Anderson, CA 96007		
Ivor J. Silver	3/18/2019	Returned		6510 FM 3012	Wharton, TX 77488		
Jackie D. Willis		Returned		1 Southampton Place	Lafayette, CA 94549		
	3/18/2019			1021 East Street	Snyder, OK 73566		
Janet S. Joslin				POB 367	Snyder, TX 73566		
John L. Steffan	3/18/2019	Returned		Address Unknown			
John Steinman, dec'd	4/5/2019	4/13/2019	c/o Lloyd Steffan	824 Riverview Drive	Plymouth, WI 53073		
	4/5/2019	4/13/2019	Michael H. Steinman, Executor	1635E E Jacklin Drive	Fountain Hills, AZ 85268	480-396-8218	Not interested
			Robert Steinman	424 Sunset Drive	Edwardsville, IL 62025		
	4/5/2019	4/13/2019	Judith Borger	4020 Meadow Drive	Conwall, PA 17016		sld to Jackie Willis,
Larry M. Pickett	3/18/2019	Returned		5215 Navajo Drive	Decatur, IL 62526		Willischid, Snyder, OK

Company	Mailed	Received	Contact	Address1	Address2	Phone	Misc
roy H. Simkins, Jr.	3/18/2019	3/26/2019		860 W Hickory Point Road	Decatur, IL 62526		
Leroy L. Burnette				7 Indian Creek Road	Augusta, GA 30909		Not interested
Lewis F. Holmes	3/18/2019	4/13/2019		Address Unknown			
Lillian Kamph, Trustee of Trust 454F	3/18/2019	Returned	Martha F. Kamph, Successor Trustee	1109 SC Highway 191	Trenton, SC 29847		
Louesher Zwick Trust IV	3/18/2019	Returned		1320 E Ocean Front	Balboa, CA 92661	949-675-6660	
Mark J. Sandler	3/18/2019	Returned		16 West Road	Short Hills, ND 57078		
MD Williams & DL Plant	3/18/2019	Returned		500 Laurel Street	Baton Rouge, LA 70801		
Neil W. Schlike	3/18/2019	3/25/2019		1820 N Nye Avenue	Freemont, NE 68025		
Norton S. Waldfogel	3/18/2019	Returned		16 Brown Road	Swampscott, MA 01907		
Patricia A. McMillan	3/18/2019	3/29/2019		1104 Constant Spring Road	Austin, TX 78746		
Robert M. Varn	3/18/2019	Returned		3059 Farmington Lane	Atlanta, GA 30399		
Russell S. Sampson				Address Unknown			
Sandra H. Starratt	3/18/2019	3/22/2019	c/o RL5, Inc.	886 Chestnut Street	San Jose, CA 95110		
		Returned		POB 1419	Soquel, CA 95073		
Siegler Family Trust 1	3/18/2019	3/23/2019	Pete Keedy, Sr. VP., Wells Fargo Bank		Austin, TX 78704		
Siegler Family Trust 2	3/18/2019	3/23/2019	Pete Keedy, Sr. VP., Wells Fargo Bank		Austin, TX 78704		
SK Clay U/TRT 6-21-78	3/18/2019	Returned	Northern Bank Trust	700 Bickell Avenue	Miami, FL 33131		incorrect
Steven R. Lindsmith	3/18/2019	Returned	c/o JV Flamme Co.	POB 3476	Anaheim, CA 92803		
T Grover Swift, Jr., dec'd	3/18/2019	3/22/2019	Juliusse Swift	749 N Main Street	Fort Worth, TX 76164		
Thomas Gelmer	3/18/2019	Returned		7877 E Mississippi Av,	Denver, CO 80231		
				#1207			
Warren N. Rosenquist	3/18/2019	Returned		35 Fagan Drive	Hillsborough, CA 94010		
Westway Pet	1/28/2019	2/5/2019	Benjamin H. Read	6400 N. Cthl Expwy, #308	Dallas, TX 75206	214-740-4080	FOA-52N2
Whitney Karls Wilson	3/18/2019	3/23/2019	Whitney Wilson Jones, Owner	601 Bailey Avenue	Fort Worth, TX 76107		
William Bondeson	3/18/2019	3/23/2019	William Bondeson, Julie Bondeson	913 Leland Ridge Road	Columbia, MO 65203		
Wm P McCormick	3/18/2019	3/25/2019		401 SW 12th Avenue	Portland, OR 97205		
		Returned		POB 545	Bend, OR 97709-0545		
	3/18/2019	Returned		POB 5787	Bend, OR 97708		
Wm W. Fether	3/18/2019	Returned	c/o Layton Byrne	10 S Broadway	St. Louis, MO 63102		
Wm. Jacobs	3/18/2019	Returned		300 Revere Road	Columbus, OH 04321		
WP Kendall U/TRT 6-21-78	3/18/2019	Returned	Northern Bank Trust	700 Bickell Avenue	Miami, FL 33131		incorrect
Unit Petroleum Company - now Percussion	4/5/2019	4/12/2019					
Clampett's Tea, LLC	3/18/2019	Returned		0113 Abram Creek Drive	Eagle, CO 81631		
LADOC, LLC	3/18/2019	Returned		POB 631449	Houston, TX 77263		
J. Bodean, LLC	3/18/2019	Returned		529 North 4th Street	San Jose, CA 95112		
Marathon Oil Permian LLC	1/18/2019	1/29/2019	Matt D. Brown	5555 San Felipe	Houston, TX 77056		

Company	Mailed	Received	Contact	Address1	Address2	Phone	Misc
Josephine Laughlin Living Trust	1/28/2019	1/29/2019	Terril L. McCaslin	13505 McCall Court NE	Albuquerque, NM 87123		
Great Western Drilling, Ltd.	1/28/2019	1/29/2019	F. Carter Muir	700 West Louisiana	Midland, TX 79701		
Boyd Laughlin Estate	1/28/2019	1/29/2019					



HINKLE SHANOR LLP

ATTORNEYS AT LAW

PO BOX 2068

SANTA FE, NEW MEXICO 87504

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

WRITER

Gary W. Larson,
Partner

glarson@hinklelawfirm.com

May 17, 2019

VIA CERTIFIED MAIL

EOG Resources, Inc.
Attn: Kenneth C. Haggard
5509 Champions
Midland, TX 79706

Re: Mewbourne Oil Company NMOCD Application

Dear Mr. Haggard:

Enclosed is a copy of an application for compulsory pooling that Mewbourne Oil Company ("Mewbourne") has filed with the New Mexico Oil Conservation Division ("the Division"). Mewbourne's application requests the pooling off all uncommitted mineral interests in the Third Bone Spring Sand interval of the Bone Spring formation in a standard 320-acre horizontal spacing unit comprised of the N/2 N/2 of Section 16 and the N/2 N/2 of Section 17, Township 20 South, Range 29 East, N.M.P.M., Eddy County, New Mexico.

This matter is scheduled for hearing at 8:15 a.m. on Thursday, June 13, 2019 in Porter Hall at the Division's offices located at 1220 South St. Francis Drive, Santa Fe, New Mexico 87505. EOG Resources, Inc. ("EOG") is not required to attend this hearing, but as an owner of an interest that may be affected by Mewbourne's application, it may appear at the hearing and present testimony. If EOG does not appear at that time and become a party of record, it will be precluded from contesting the matter at a later date.

A party appearing in a Division case is required by the Division's Rules to file a Pre-Hearing Statement, which in this matter must be filed no later than Thursday, June 6, 2019. The Pre-Hearing Statement must be filed with the Division's Santa Fe office at the address above, and should include: the name of the party and the party's attorney; a concise statement of the case; the name(s) of the witness(es) the party will call to testify at the hearing; the approximate amount of time the party will need to present the party's case; and an identification of any procedural matters that need to be resolved prior to the hearing. The Pre-Hearing Statement must also be provided to me.

Thank you for your attention to this matter.

Very truly yours,

Gary W. Larson

GWL:smi
Enclosure

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

PO BOX 1720
ARTESIA, NEW MEXICO 88211
575-622-6510
(FAX) 575-746-6316

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

7601 JEFFERSON ST NE • SUITE 180
ALBUQUERQUE, NEW MEXICO 87109
505-858-8320
(FAX) 505-858-8321

**Exhibit
E**

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<p>■ Complete items 1, 2, and 3.</p> <p>■ Print your name and address on the reverse so that we can return the card to you.</p> <p>■ Attach this card to the back of the mailpiece, or on the front if space permits.</p> <p>1. Article Addressed to:</p> <p>America West Resources, LLC P.O. Box 3383 Midland, TX 79702</p> <p>2. Article Number (Transfer from service label) 7018 2290 0000 3423 9967</p>	<p>A. Signature * <i>Frances Woodard</i> <input type="checkbox"/> Agent <input checked="" type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) FRANCES WOODARD</p> <p>C. Date of Delivery MAY 28 2019</p> <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If YES, enter delivery address below:</p> <p>3. Service Type <input type="checkbox"/> Adult Signature <input type="checkbox"/> Adult Signature Restricted Delivery <input checked="" type="checkbox"/> Certified Mail® <input type="checkbox"/> Certified Mail Restricted Delivery <input type="checkbox"/> Collect on Delivery <input type="checkbox"/> Collect on Delivery Restricted Delivery <input type="checkbox"/> Priority Mail Express® <input type="checkbox"/> Registered Mail™ <input type="checkbox"/> Registered Mail Restricted Delivery <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Signature Confirmation™ <input type="checkbox"/> Signature Confirmation Restricted Delivery <input type="checkbox"/> Restricted Delivery </p>



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

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<p>■ Complete items 1, 2, and 3.</p> <p>■ Print your name and address on the reverse so that we can return the card to you.</p> <p>■ Attach this card to the back of the mailpiece, or on the front if space permits.</p> <p>1. Article Addressed to:</p> <p>EOG Resources, Inc. Attn: Kenneth C. Haggard 5509 Champions Midland, TX 79706</p> <p>2. Article Number (Transfer from service label) 7018 2290 0000 3423 5297</p>	<p>A. Signature X <i>Ken Haggard</i> <input type="checkbox"/> Agent <input checked="" type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) KEN HAGGARD</p> <p>C. Date of Delivery 5-28-19</p> <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If YES, enter delivery address below:</p> <p>3. Service Type <input type="checkbox"/> Adult Signature <input type="checkbox"/> Adult Signature Restricted Delivery <input checked="" type="checkbox"/> Certified Mail® <input type="checkbox"/> Certified Mail Restricted Delivery <input type="checkbox"/> Collect on Delivery <input type="checkbox"/> Collect on Delivery Restricted Delivery <input type="checkbox"/> Priority Mail Express® <input type="checkbox"/> Registered Mail™ <input type="checkbox"/> Registered Mail Restricted Delivery <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Signature Confirmation™ <input type="checkbox"/> Signature Confirmation Restricted Delivery <input type="checkbox"/> Restricted Delivery </p>


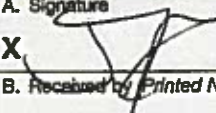
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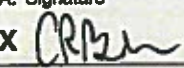
PS Form 3811, July 2015 PSN 7530-02-000-9053 Domestic Return Receipt

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

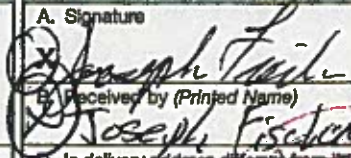

PS Form 3811, July 2015 PSN 7530-02-000-9053 Domestic Return Receipt



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

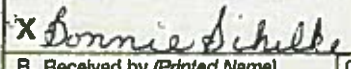

PS Form 3811, July 2015 PSN 7530-02-000-9053 Domestic Return Receipt

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<p><input checked="" type="checkbox"/> Complete Items 1, 2, and 3.</p> <p><input checked="" type="checkbox"/> Print your name and address on the reverse so that we can return the card to you.</p> <p><input checked="" type="checkbox"/> Attach this card to the back of the mailpiece, or on the front if space permits.</p> <p>1. Article Addressed to:</p> <p>Bureau of Land Management Carlsbad Field Office 620 E. Greene Street Carlsbad, NM 88220-6292</p> <p> 9590 9402 3452 7275 9883 21</p> <p>2. Article Number (Transfer from service label) 7018 2290 0000 3424 2356</p>	<p>A. Signature X </p> <p><input type="checkbox"/> Agent <input type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) Ch Baker</p> <p>C. Date of Delivery 5-23-19</p> <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No</p> <p>3. Service Type</p> <table border="0"> <tr> <td> <input type="checkbox"/> Adult Signature <input type="checkbox"/> Adult Signature Restricted Delivery <input type="checkbox"/> Certified Mail® <input type="checkbox"/> Certified Mail Restricted Delivery <input type="checkbox"/> Collect on Delivery <input type="checkbox"/> Collect on Delivery Restricted Delivery <input type="checkbox"/> Insured Mail <input type="checkbox"/> Insured Mail Restricted Delivery </td> <td> <input type="checkbox"/> Priority Mail Express® <input type="checkbox"/> Registered Mail™ <input type="checkbox"/> Registered Mail Restricted Delivery <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Signature Confirmation™ <input type="checkbox"/> Signature Confirmation Restricted Delivery </td> </tr> </table>	<input type="checkbox"/> Adult Signature <input type="checkbox"/> Adult Signature Restricted Delivery <input type="checkbox"/> Certified Mail® <input type="checkbox"/> Certified Mail Restricted Delivery <input type="checkbox"/> Collect on Delivery <input type="checkbox"/> Collect on Delivery Restricted Delivery <input type="checkbox"/> Insured Mail <input type="checkbox"/> Insured Mail Restricted Delivery	<input type="checkbox"/> Priority Mail Express® <input type="checkbox"/> Registered Mail™ <input type="checkbox"/> Registered Mail Restricted Delivery <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Signature Confirmation™ <input type="checkbox"/> Signature Confirmation Restricted Delivery
<input type="checkbox"/> Adult Signature <input type="checkbox"/> Adult Signature Restricted Delivery <input type="checkbox"/> Certified Mail® <input type="checkbox"/> Certified Mail Restricted Delivery <input type="checkbox"/> Collect on Delivery <input type="checkbox"/> Collect on Delivery Restricted Delivery <input type="checkbox"/> Insured Mail <input type="checkbox"/> Insured Mail Restricted Delivery	<input type="checkbox"/> Priority Mail Express® <input type="checkbox"/> Registered Mail™ <input type="checkbox"/> Registered Mail Restricted Delivery <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Signature Confirmation™ <input type="checkbox"/> Signature Confirmation Restricted Delivery		

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1. Article Addressed to: Judith Boiger 4020 Mead Drive Cornwall, PA 17016  9590 9402 2691 6351 8916 30	3. Service Type <input type="checkbox"/> Adult Signature <input type="checkbox"/> Adult Signature Restricted Delivery <input checked="" type="checkbox"/> Certified Mail® <input type="checkbox"/> Certified Mail Restricted Delivery <input type="checkbox"/> Collect on Delivery <input type="checkbox"/> Collect on Delivery Restricted Delivery <input type="checkbox"/> Priority Mail Express® <input type="checkbox"/> Registered Mail™ <input type="checkbox"/> Registered Mail Restricted Delivery <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Signature Confirmation™ <input type="checkbox"/> Signature Confirmation Restricted Delivery <input type="checkbox"/> Restricted Delivery
2. Article Number (Transfer from service label) 7018 2290 0000 3424 2431	
PS Form 3811, July 2015 PSN 7530-02-000-9053 Domestic Return Receipt	

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1. Article Addressed to: Marathon Oil Permian LLC Attn: Matthew D. Brown 5555 Santa Felipe Houston, TX 77056  9590 9402 2691 6351 8917 53	3. Service Type <input type="checkbox"/> Adult Signature <input type="checkbox"/> Adult Signature Restricted Delivery <input checked="" type="checkbox"/> Certified Mail® <input type="checkbox"/> Certified Mail Restricted Delivery <input type="checkbox"/> Collect on Delivery <input type="checkbox"/> Collect on Delivery Restricted Delivery <input type="checkbox"/> Insured Mail <input type="checkbox"/> Priority Mail Express® <input type="checkbox"/> Registered Mail™ <input type="checkbox"/> Registered Mail Restricted Delivery <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Signature Confirmation™ <input type="checkbox"/> Signature Confirmation Restricted Delivery <input type="checkbox"/> Restricted Delivery
2. Article Number (Transfer from service label) 7018 2290 0000 3423 8366	
PS Form 3811, July 2015 PSN 7530-02-000-9053 Domestic Return Receipt	

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1. Article Addressed to: Neil W. Schilke 1820 North Nye Avenue Fremont, NE 68025  9590 9402 2691 6351 8917 39	3. Service Type <input type="checkbox"/> Adult Signature <input type="checkbox"/> Adult Signature Restricted Delivery <input checked="" type="checkbox"/> Certified Mail® <input type="checkbox"/> Certified Mail Restricted Delivery <input type="checkbox"/> Collect on Delivery <input type="checkbox"/> Collect on Delivery Restricted Delivery <input type="checkbox"/> Priority Mail Express® <input type="checkbox"/> Registered Mail™ <input type="checkbox"/> Registered Mail Restricted Delivery <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Signature Confirmation™ <input type="checkbox"/> Signature Confirmation Restricted Delivery <input type="checkbox"/> Restricted Delivery
2. Article Number (Transfer from service label) 7018 2290 0000 3423 8380	
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:

T. Grover Swift, Jr.
c/o Juliusue Swift
749 North Main Street
Fort Worth, TX 76164



9590 9402 3019 7124 7227 30

2. Article Number (Transfer from service label)

7018 2290 0000 3423 9745

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X *[Signature]*

- ☐ Agent
☐ Addressee

B. Received by (Printed Name)

[Signature]

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

Restricted Delivery

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

Domestic Return Receipt

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- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Whimpy K. Wilson Jones
601 Bailey Avenue
Fort Worth, TX 76107



9590 9402 3019 7124 7227 09

2. Article Number (Transfer from service label)

7018 2290 0000 3423 9776

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X *[Signature]*

- ☐ Agent
☐ Addressee

B. Received by (Printed Name)

C. Date of Delivery

5-24-19

- 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

Restricted Delivery

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Domestic Return Receipt

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- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

William Bondeson
913 Leland Ridge Road
Columbia, MO 65203



9590 9402 3453 7275 3843 75

2. Article Number (Transfer from service label)

7018 2290 0000 3423 9783

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X *[Signature]*

- ☐ Agent
☒ Addressee

B. Received by (Printed Name)

LINDA COOPER

C. Date of Delivery

5-23-19

- 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

Restricted Delivery

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<p>1. Article Addressed to:</p> <p>Trust 454F Attn: Ms. Maria F. Kamph 1320 East Ocean Front Balboa, CA 92061</p> <p>2. Article Number (Transfer from service label) 7018 2290 0000 3423 9752</p>	<p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No</p> <p>3. Service Type <input type="checkbox"/> Adult Signature <input type="checkbox"/> Adult Signature Restricted Delivery <input type="checkbox"/> Certified Mail® <input type="checkbox"/> Certified Mail Restricted Delivery <input type="checkbox"/> Collect on Delivery <input type="checkbox"/> Collect on Delivery Restricted Delivery <input type="checkbox"/> Priority Mail Express® <input type="checkbox"/> Registered Mail™ <input type="checkbox"/> Registered Mail Restricted Delivery <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Signature Confirmation™ <input type="checkbox"/> Signature Confirmation Restricted Delivery</p>

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<p>1. Article Addressed to:</p> <p>Gilbert T. Kanegawa 99-155 Moanava Road Aiea, Hawaii 96701</p> <p>2. Article Number (Transfer from service label) 7018 2290 0001 5022 9859</p>	<p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No</p> <p>3. Service Type <input type="checkbox"/> Adult Signature <input type="checkbox"/> Adult Signature Restricted Delivery <input type="checkbox"/> Certified Mail® <input type="checkbox"/> Certified Mail Restricted Delivery <input type="checkbox"/> Collect on Delivery <input type="checkbox"/> Collect on Delivery Restricted Delivery <input type="checkbox"/> Priority Mail Express® <input type="checkbox"/> Registered Mail™ <input type="checkbox"/> Registered Mail Restricted Delivery <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Signature Confirmation™ <input type="checkbox"/> Signature Confirmation Restricted Delivery</p>

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<p>1. Article Addressed to:</p> <p>Ivor J. Silver 1 Southampton Place Lafayette, LA 70504</p> <p>2. Article Number (Transfer from service label) 7018 2290 0000 3423 9905</p>	<p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No</p> <p>3. Service Type <input type="checkbox"/> Adult Signature <input type="checkbox"/> Adult Signature Restricted Delivery <input type="checkbox"/> Certified Mail® <input type="checkbox"/> Certified Mail Restricted Delivery <input type="checkbox"/> Collect on Delivery <input type="checkbox"/> Collect on Delivery Restricted Delivery <input type="checkbox"/> Insured Mail <input type="checkbox"/> Priority Mail Express® <input type="checkbox"/> Registered Mail™ <input type="checkbox"/> Registered Mail Restricted Delivery <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Signature Confirmation™ <input type="checkbox"/> Signature Confirmation Restricted Delivery</p>

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- 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:

Fasken Land and Minerals, Ltd.
Attn: Linda H. Hicks
6101 Holiday Hill Road
Midland, TX 79707-1631



9590 9402 3452 7275 9882 84

2. Article Number (Transfer from service label)

7018 2290 0000 3424 2394

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

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X Cynthia Moreno ☐ Agent
☐ Addressee

B. Received by (Printed Name)

Cynthia Moreno 5/23/19 ☐ Date of Delivery

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

3. Service Type

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

Restricted Delivery

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:

Great Western Drilling, Ltd.
Attn: F. Carter Muir
P.O. Box 1659
Midland, TX 79702



9590 9402 3453 7275 3843 51

2. Article Number (Transfer from service label)

7018 2290 0000 3423 9882

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

COMPLETE THIS SECTION ON DELIVERY

A. Signature

* Don Hank ☐ Agent
☐ Addressee

B. Received by (Printed Name)

DON HANK 5-24-19 ☐ Date of Delivery

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

3. Service Type

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

Restricted Delivery

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:

Jackie D. Willis
101 East Street
Sny, TX 79706



9590 9402 3452 7275 9884 75

2. Article Number (Transfer from service label)

7018 2290 0000 3423 9929

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

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X Jackie D Willis ☐ Agent
☐ Addressee

B. Received by (Printed Name)

Jackie D Willis ☐ Date of Delivery

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

3. Service Type

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

Restricted Delivery

Domestic Return Receipt

7016 2290 0000 3423 8430

U.S. Postal Service™ CERTIFIED MAIL® RECEIPT Domestic Mail Only	
For delivery information, visit our website at www.usps.com ®.	
OFFICIAL USE	
Certified Mail Fee	
Extra Services & Fees (check box, add fee as appropriate)	
<input type="checkbox"/> Return Receipt (hardcopy)	\$
<input type="checkbox"/> Return Receipt (electronic)	\$
<input type="checkbox"/> Certified Mail Restricted Delivery	\$
<input type="checkbox"/> Adult Signature Required	\$
<input type="checkbox"/> Adult Signature Restricted Delivery	\$
Postage	
Total Postage and Fees	
Sent To	
Street and Apt. No., or PO Box No.	Percussion Petroleum, LLC 919 Milam Street, #2475
City, State, ZIP+4®	Houston, TX 77002
PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions	

7016 2290 0000 3423 8403

U.S. Postal Service™ CERTIFIED MAIL® RECEIPT Domestic Mail Only	
For delivery information, visit our website at www.usps.com ®.	
OFFICIAL USE	
Certified Mail Fee	
Extra Services & Fees (check box, add fee as appropriate)	
<input type="checkbox"/> Return Receipt (hardcopy)	\$
<input type="checkbox"/> Return Receipt (electronic)	\$
<input type="checkbox"/> Certified Mail Restricted Delivery	\$
<input type="checkbox"/> Adult Signature Required	\$
<input type="checkbox"/> Adult Signature Restricted Delivery	\$
Postage	
Total Postage and Fees	
Sent To	
Street and Apt. No., or PO Box No.	Patricia A. McMillian 1104 Constant Spring Road
City, State, ZIP+4®	Austin, TX 78746
PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions	

7016 2290 0000 3423 9691

U.S. Postal Service™ CERTIFIED MAIL® RECEIPT Domestic Mail Only	
For delivery information, visit our website at www.usps.com ®.	
OFFICIAL USE	
Certified Mail Fee	
Extra Services & Fees (check box, add fee as appropriate)	
<input type="checkbox"/> Return Receipt (hardcopy)	\$
<input type="checkbox"/> Return Receipt (electronic)	\$
<input type="checkbox"/> Certified Mail Restricted Delivery	\$
<input type="checkbox"/> Adult Signature Required	\$
<input type="checkbox"/> Adult Signature Restricted Delivery	\$
Postage	
Total Postage and Fees	
Sent To	
Street and Apt. No., or PO Box No.	Sandra H. Starratt 886 Chesnut Street
City, State, ZIP+4®	San Jose, CA 95110
PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions	

7016 2290 0000 3423 9875

U.S. Postal Service™ CERTIFIED MAIL® RECEIPT Domestic Mail Only	
For delivery information, visit our website at www.usps.com ®.	
OFFICIAL USE	
Certified Mail Fee	
Extra Services & Fees (check box, add fee as appropriate)	
<input type="checkbox"/> Return Receipt (hardcopy)	\$
<input type="checkbox"/> Return Receipt (electronic)	\$
<input type="checkbox"/> Certified Mail Restricted Delivery	\$
<input type="checkbox"/> Adult Signature Required	\$
<input type="checkbox"/> Adult Signature Restricted Delivery	\$
Postage	
Total Postage and Fees	
Sent To	
Street and Apt. No., or PO Box No.	Roger L. Beavers, Inc. P.O. Box 721930
City, State, ZIP+4®	Norman, OK 73070-8472
PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions	

7016 2290 0000 3423 9714

U.S. Postal Service™ CERTIFIED MAIL® RECEIPT Domestic Mail Only	
For delivery information, visit our website at www.usps.com ®.	
OFFICIAL USE	
Certified Mail Fee	
Extra Services & Fees (check box, add fee as appropriate)	
<input type="checkbox"/> Return Receipt (hardcopy)	\$
<input type="checkbox"/> Return Receipt (electronic)	\$
<input type="checkbox"/> Certified Mail Restricted Delivery	\$
<input type="checkbox"/> Adult Signature Required	\$
<input type="checkbox"/> Adult Signature Restricted Delivery	\$
Postage	
Total Postage and Fees	
Sent To	
Street and Apt. No., or PO Box No.	Siegler Family Trust 2 P.O. Box 41779
City, State, ZIP+4®	Austin, TX 78704
PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions	

7016 2290 0000 3423 9707

U.S. Postal Service™ CERTIFIED MAIL® RECEIPT Domestic Mail Only	
For delivery information, visit our website at www.usps.com ®.	
OFFICIAL USE	
Certified Mail Fee	
Extra Services & Fees (check box, add fee as appropriate)	
<input type="checkbox"/> Return Receipt (hardcopy)	\$
<input type="checkbox"/> Return Receipt (electronic)	\$
<input type="checkbox"/> Certified Mail Restricted Delivery	\$
<input type="checkbox"/> Adult Signature Required	\$
<input type="checkbox"/> Adult Signature Restricted Delivery	\$
Postage	
Total Postage and Fees	
Sent To	
Street and Apt. No., or PO Box No.	Siegler Family Trust 1 P.O. Box 41779
City, State, ZIP+4®	Austin, TX 78704
PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions	

701A 2290 0000 3424 2417

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OFFICIAL USE

Certified Mail Fee

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

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

Postage

Total Postage and Fees

Sent To

Street and Apt. No., or PO Box No.

City, State, ZIP+4®

James Roby Clopton, Inc.
 P.O. Box 3601
 McAllen, TX 78504

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

See Reverse for Instructions

701A 2290 0000 3424 2424

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Certified Mail Fee

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

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

Postage

Total Postage and Fees

Sent To

Street and Apt. No., or PO Box No.

City, State, ZIP+4®

Josephine Laughlin Trust
 500 West Texas Avenue, #760
 Midland, TX 79701

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

See Reverse for Instructions

701A 2290 0000 3423 8359

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Certified Mail Fee

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

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

Postage

Total Postage and Fees

Sent To

Street and Apt. No., or PO Box No.

City, State, ZIP+4®

Lewis F. Holmes
 1109 SC Highway 191
 Trenton, SC 29847

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

See Reverse for Instructions

701A 2290 0000 3424 2448

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OFFICIAL USE

Certified Mail Fee

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

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

Postage

Total Postage and Fees

Sent To

Street and Apt. No., or PO Box No.

City, State, ZIP+4®

LaDoca LLC
 P.O. Box 631449
 Houston, TX 77263

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

See Reverse for Instructions

701A 2290 0000 3423 8373

U.S. Postal Service™
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OFFICIAL USE

Certified Mail Fee

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

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

Postage

Total Postage and Fees

Sent To

Street and Apt. No., or PO Box No.

City, State, ZIP+4®

Michael H. Steinman
 16358 East Jacklin Drive
 Fountain Hills, AZ 85268

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

See Reverse for Instructions

701A 2290 0000 3424 2455

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OFFICIAL USE

Certified Mail Fee

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

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

Postage

Total Postage and Fees

Sent To

Street and Apt. No., or PO Box No.

City, State, ZIP+4®

Leroy H. Simkins, Jr.
 7 Indian Creek Road
 Augusta, GA 30909

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

See Reverse for Instructions

7018 2290 0000 3423 9912

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OFFICIAL USE

Certified Mail Fee

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

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

Postage

Total Postage and Fees

Sent To

J. Bodean LLC
 529 North 4th Street
 San Jose, CA 95112

City, State, ZIP+4®

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

See Reverse for Instructions

7018 2290 0000 3423 9899

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OFFICIAL USE

Certified Mail Fee

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

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

Postage

Total Postage and Fees

Sent To

Greenstar Resources, L.L.C.
 P.O. Box 721930
 Norman, OK 73070-8472

City, State, ZIP+4®

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

See Reverse for Instructions

7018 2290 0000 3423 9981

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OFFICIAL USE

Certified Mail Fee

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

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

Postage

Total Postage and Fees

Sent To

Anthony Hawe
 2724 American Sadler Drive
 Park City, UT 84060

City, State, ZIP+4®

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

See Reverse for Instructions

7018 2290 0000 3423 9943

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OFFICIAL USE

Certified Mail Fee

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

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

Postage

Total Postage and Fees

Sent To

William P. McCormick
 P.O. Box 5787
 Bend, OR 97708

City, State, ZIP+4®

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

See Reverse for Instructions

7018 2290 0000 3424 2400

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OFFICIAL USE

Certified Mail Fee

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

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

Postage

Total Postage and Fees

Sent To

First State Bank
 P.O. Box 98
 Rockwall, TX 75087

City, State, ZIP+4®

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

See Reverse for Instructions

7018 2290 0000 3423 8465

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OFFICIAL USE

Certified Mail Fee

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

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

Postage

Total Postage and Fees

Sent To

Arturo G. Sterling
 425 East 58th, #35-B
 New York City, NY 10022

City, State, ZIP+4®

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

See Reverse for Instructions

7018 2290 0000 3423 9738

U.S. Postal Service™
CERTIFIED MAIL® RECEIPT
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For delivery information, visit our website at www.usps.com®.

OFFICIAL USE

Certified Mail Fee
 \$

Extra Services & Fees (check box, add fee as appropriate)
☐ Return Receipt (hardcopy) \$
☐ Return Receipt (electronic) \$
☐ Certified Mail Restricted Delivery \$
☐ Adult Signature Required \$
☐ Adult Signature Restricted Delivery \$

Postage
 \$

Total Postage and Fees
 \$

Sent To
 Steven R. Lindersmith
 Street and Apt. No., or PO Box No. P.O. Box 3476
 City, State, ZIP+4® Anaheim, CA 92803

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

7018 2290 0000 3423 9721

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

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

OFFICIAL USE

Certified Mail Fee
 \$

Extra Services & Fees (check box, add fee as appropriate)
☐ Return Receipt (hardcopy) \$
☐ Return Receipt (electronic) \$
☐ Certified Mail Restricted Delivery \$
☐ Adult Signature Required \$
☐ Adult Signature Restricted Delivery \$

Postage
 \$

Total Postage and Fees
 \$

Sent To
 St. Devote LLC
 Street and Apt. No., or PO Box No. 919 Milam Street, #2475
 City, State, ZIP+4® Houston, TX 77002

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

7018 2290 0000 3423 9769

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

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

OFFICIAL USE

Certified Mail Fee
 \$

Extra Services & Fees (check box, add fee as appropriate)
☐ Return Receipt (hardcopy) \$
☐ Return Receipt (electronic) \$
☐ Certified Mail Restricted Delivery \$
☐ Adult Signature Required \$
☐ Adult Signature Restricted Delivery \$

Postage
 \$

Total Postage and Fees
 \$

Sent To
 Westway Petro
 Street and Apt. No., or PO Box No. 6440 North Central Expy, #615
 City, State, ZIP+4® Dallas, TX 75206

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

7018 2290 0000 3423 9936

U.S. Postal Service™
CERTIFIED MAIL® RECEIPT
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For delivery information, visit our website at www.usps.com®.

OFFICIAL USE

Certified Mail Fee
 \$

Extra Services & Fees (check box, add fee as appropriate)
☐ Return Receipt (hardcopy) \$
☐ Return Receipt (electronic) \$
☐ Certified Mail Restricted Delivery \$
☐ Adult Signature Required \$
☐ Adult Signature Restricted Delivery \$

Postage
 \$

Total Postage and Fees
 \$

Sent To
 William R. Manclark
 Street and Apt. No., or PO Box No. 313 East Bay Front
 City, State, ZIP+4® Balboa Island, CA 92662

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

7018 2290 0000 3423 9974

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

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

OFFICIAL USE

Certified Mail Fee
 \$

Extra Services & Fees (check box, add fee as appropriate)
☐ Return Receipt (hardcopy) \$
☐ Return Receipt (electronic) \$
☐ Certified Mail Restricted Delivery \$
☐ Adult Signature Required \$
☐ Adult Signature Restricted Delivery \$

Postage
 \$

Total Postage and Fees
 \$

Sent To
 Boyd Laughlin Estate
 Street and Apt. No., or PO Box No. 500 West Texas Avenue, #760
 City, State, ZIP+4® Midland, TX 79701

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

7018 2290 0000 3423 9950

U.S. Postal Service™
CERTIFIED MAIL® RECEIPT
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For delivery information, visit our website at www.usps.com®.

OFFICIAL USE

Certified Mail Fee
 \$

Extra Services & Fees (check box, add fee as appropriate)
☐ Return Receipt (hardcopy) \$
☐ Return Receipt (electronic) \$
☐ Certified Mail Restricted Delivery \$
☐ Adult Signature Required \$
☐ Adult Signature Restricted Delivery \$

Postage
 \$

Total Postage and Fees
 \$

Sent To
 Jeanne C. Friedman
 Street and Apt. No., or PO Box No. 2800 S. University Blvd #70
 City, State, ZIP+4® Denver, CO 80210

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

CARLSBAD CURRENT-ARGUS

AFFIDAVIT OF PUBLICATION

Ad No.
0001286396

HINKLE SHANOR, LLP
P.O. BOX 2068

SANTA FE NM 87504

I, a legal clerk of the **Carlsbad Current-Argus**, a newspaper published daily at the City of Carlsbad, in said county of Eddy, state of New Mexico and of general paid circulation in said county; that the same is a duly qualified newspaper under the laws of the State wherein legal notices and advertisements may be published; that the printed notice attached hereto was published in the regular and entire edition of said newspaper and not in supplement thereof on the date as follows, to wit:

05/22/19

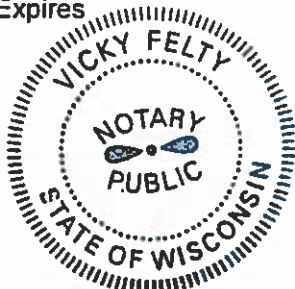

Legal Clerk

Subscribed and sworn before me this
22nd of May 2019.


State of WI, County of Brown
NOTARY PUBLIC


My Commission Expires

Ad#:0001286396
P O : 0001286396
of Affidavits :0.00



This is to notify all interested parties, including the America West Resources, LLC, Great Western Drilling, Ltd., the Josephine Laughlin Living Trust, EOG Resources, Inc., Greenstar Resources, L.L.C., the Boyd Laughlin Estate, Westway Petro, Marathon Oil Permian LLC, OXY Y-1 Company, Fasken Land and Minerals, Ltd., the E. Trompeter Estate, J. Bodean LLC, the Helen B. Hewett/Barara Powell Trust 2, the Siegler Family Trust 1, the S.K. Clay Trust, William Jacobs, Russell S. Sampson, Patricia A. McMillian, Alex M. Roter, Ann S. Ragsdale, Arturo G. Sterling, the Charles C. Albright Trust, Dorothy Hinchliff, First State Bank, Harry F. Poll, Percussion Petroleum, LLC, Janet S. Joslin, Michael H. Steinman, Larry M. Pickett, Clampett's Tea, L.L.C., LaDoca LLC, the Helen B. Hewett/Barbara Powell Trust 1, the Siegler Family Trust 2, Homer C. Tutton, the W.P. Kendall Trust, Andrew E. McMahon, Ivor J. Silver, Lewis F. Holmes, Anthony Hawe, Jeanne C. Friedman, George M. Oringdulph, Gilbert T. Kanegawa, Harry Bersner, Harry L. Green, Sr., James Roby Clopton, Inc. Judith Borger, Robert Steinman, Leroy L. Burnette, Trust 454F, Leroy H. Simkins, Jr., John L. Steffan, the Louesther Zwick Trust IV, Mark J. Sandler, Norton S. Waldfogel, Robert M. Varn, Thomas Geimer, T. Grover Swift, Jr., William Bondeson, William P. McCormick, William W. Fetner, Glenn E. Duke, M.D. Williams, D.L. Pilant, Neil W. Schike, Steven R. Lindersmith, Jackie D. Willis, Warren N. Rosenquist, Whitney K. Wilson Jones, William R. Manclark, Sandra H. Starratt and their successors and assigns, that the New Mexico Oil Conservation Division will conduct a hearing on an application submitted by Mewbourne Oil Company at 8:15 a.m. on June 13, 2019 in Porter Hall at 1220 South St. Francis Drive, Santa Fe, New Mexico. Mewbourne Oil Company seeks an order pooling all uncommitted mineral interests in the Third Bone Spring Sand interval of the Bone Spring formation in a standard 320-acre horizontal spacing unit comprised of the N/2 N/2 of Section 16 and the N/2 N/2 of Section 17, Township 20 South, Range 29 East in Eddy County, New Mexico. The horizontal spacing unit is to be dedicated to Mewbourne Oil Company's proposed Glock 17/16 B3DA Federal Com #2H well, which will be horizontally drilled from a surface location in Unit A in Section 18 to a bottom hole location in Unit A in Section 16, Township 20 South, Range 29 East. The completed interval for the well will be orthodox. Also to be considered will be the cost of drilling and completing the well and the allocation of the cost, the designation of Mewbourne Oil Company as the operator of the well, and a 200% charge for the risk involved in drilling and completing the well. The well location is approximately thirteen (13) miles north-east of Carlsbad, New Mexico.
Pub: May 22, 2019 #1286396

**Exhibit
F**

MEWBOURNE OIL COMPANY
AUTHORIZATION FOR EXPENDITURE

Well Name: Glock 17/16 B3DA Fed Com #2H		Prospect: Glock 17/16	
Location: SL: 800' FNL & 600' FEL (18); BHL: 440' FNL & 100' FEL (18)		County: Eddy	ST: NM
Sec. 17/16	Blk: 	Survey: 	TWP: 20S RNG: 29E Prop. TVD: 9045 TMD: 19920

INTANGIBLE COSTS 0180		CODE	TCP	CODE	CC
Regulatory Permits & Surveys		0180-0100	\$20,000	0180-0200	
Location / Road / Site / Preparation		0180-0105	\$70,000	0180-0205	\$25,000
Location / Restoration		0180-0108	\$200,000	0180-0208	\$30,000
Daywork / Turnkey / Footage Drilling 30 days drilg / 4 days comp @ \$22,000/d		0180-0110	\$705,000	0180-0210	\$94,000
Fuel 1700 gal/day @ 2.74/gal		0180-0114	\$174,200	0180-0214	\$400,000
Mud, Chemical & Additives		0180-0120	\$200,000	0180-0220	
Horizontal Drilling Services				0180-0222	\$250,000
Cementing		0180-0125	\$125,000	0180-0225	\$30,000
Logging & Wireline Services		0180-0130	\$2,500	0180-0230	\$205,000
Casing / Tubing / Snubbing Service		0180-0134	\$20,000	0180-0234	\$90,000
Mud Logging		0180-0137	\$30,000		
Stimulation 50 Stg 20.4 MM gal / 20.4 MM lb				0180-0241	\$2,520,000
Stimulation Rentals & Other				0180-0242	\$150,000
Water & Other		0180-0145	\$40,000	0180-0245	\$680,000
Bits		0180-0148	\$100,000	0180-0248	\$8,000
Inspection & Repair Services		0180-0150	\$40,000	0180-0250	\$5,000
Misc. Air & Pumping Services		0180-0154		0180-0254	\$10,000
Testing & Flowback Services		0180-0158	\$15,000	0180-0258	\$30,000
Completion / Workover Rig				0180-0260	\$10,500
Rig Mobilization		0180-0184	\$100,000		
Transportation		0180-0185	\$30,000	0180-0265	\$20,000
Welding Services		0180-0188	\$5,000	0180-0268	\$15,000
Contract Services & Supervision		0180-0170	\$48,000	0180-0270	\$30,000
Directional Services Includes Vertical Control		0180-0175	\$283,500		
Equipment Rental		0180-0180	\$250,000	0180-0280	\$30,000
Well / Lease Legal		0180-0184	\$5,000	0180-0284	
Well / Lease Insurance		0180-0185	\$6,000	0180-0285	
Intangible Supplies		0180-0188	\$8,000	0180-0288	\$10,000
Damages		0180-0190	\$5,000	0180-0290	
ROW & Easements		0180-0192		0180-0292	\$5,000
Pipeline Interconnect				0180-0293	
Company Supervision		0180-0195	\$153,600	0180-0295	\$76,800
Overhead Fixed Rate		0180-0198	\$10,000	0180-0298	\$20,000
Well Abandonment		0180-0199		0180-0299	
Contingencies 2% (TCP) 2% (CC)		0180-0199	\$52,800	0180-0299	\$94,500
TOTAL			\$2,898,700		\$4,818,800

TANGIBLE COSTS 0181		CODE	TCP	CODE	CC
Casing (19.1" - 30") 460' - 20" 94# J-55 BT&C @ \$79.04/l		0181-0793	\$38,900		
Casing (10.1" - 18.0") 1400' - 13 3/8" 54.5# J-55 BT&C @ \$42.98/l		0181-0794	\$64,300		
Casing (8.1" - 10.0") 3200' - 9 5/8" 40# L80 LT&C @ \$34.65/l		0181-0795	\$118,500		
Casing (6.1" - 8.0") 9310' - 7" 28# HCP-110 LT&C @ \$26.89/l		0181-0796	\$268,400		
Casing (4.1" - 6.0") 10750' - 4 1/2" 13.5# P-110 BPN @ \$14.94/l				0181-0797	\$171,600
Tubing 8510' - 2 7/8" 6.5# L-80 EUE 8rd @ \$5.74/l				0181-0798	\$52,200
Drilling Head		0181-0860	\$40,000		
Tubing Head & Upper Section				0181-0870	\$30,000
Horizontal Completion Tools Completion Liner Hanger				0181-0871	\$75,000
Sucker Rods				0181-0875	
Subsurface Equipment				0181-0880	
Artificial Lift Systems Gas Lift Valves & Packer				0181-0884	\$25,000
Pumping Unit				0181-0885	
Surface Pumps & Prime Movers VRU/SWD Pump/Circ Pump				0181-0886	\$30,000
Tanks - Oil 2 - 750 bbl				0181-0890	\$38,000
Tanks - Water 2 - 750 bbl coated				0181-0891	\$48,000
Separation / Treating Equipment 30"x10"x1k# 3 phv36"x15"x1k#				0181-0895	\$45,000
Heater Treaters, Line Heaters 8"x20"x75# HT				0181-0897	\$35,000
Metering Equipment				0181-0898	\$14,000
Line Pipe & Valves - Gathering				0181-0900	\$10,000
Fittings / Valves & Accessories				0181-0906	\$40,000
Cathodic Protection				0181-0908	\$8,000
Electrical Installation				0181-0909	\$50,000
Equipment Installation				0181-0910	\$30,000
Pipeline Construction				0181-0920	\$10,000
TOTAL			\$530,100		\$711,800
SUBTOTAL			\$3,228,800		\$5,530,600
TOTAL WELL COST			\$8,759,400		

Extra Expense Insurance

☐ I elect to be covered by Operator's Extra Expense Insurance and pay my proportionate share of the premium.
Operator has secured Extra Expense Insurance covering costs of well control, clean up and redrilling as estimated in Line Item 0180-0185.

☐ I elect to purchase my own well control insurance policy.

If neither box is checked above, non-operating working interest owner elects to be covered by Operator's well control insurance.

Prepared by: <u>T. Cude</u>	Date: <u>1/23/2019</u>
Company Approval: _____	Date: _____
Joint Owner Interest: _____ Amount: _____	Signature: _____
Joint Owner Name: _____	

Exhibit
G

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

**APPLICATION OF MEWBOURNE OIL
COMPANY FOR COMPULSORY POOLING,
EDDY COUNTY, NEW MEXICO**

Case No. 20504

**SELF-AFFIRMED STATEMENT OF
CHARLES CROSBY**

1. I am over 18 years of age and am competent to provide this Self-Affirmed Statement. I have personal knowledge of the matters addressed herein.

2. I am a geologist at Mewbourne Oil Company ("Mewbourne"). I am familiar with the geological matters that pertain to Mewbourne's application.

3. Attached hereto as Exhibit A is a structure map of top of the Wolfcamp formation. The map shows that the structure dips to the east-southeast. It also shows a line of cross section and the horizontal spacing unit ("HSU") for the proposed Glock 17/16 B3DA Federal Com #2H well.

4. Attached hereto as Exhibit B is a gross sand isopach map of the Third Bone Spring Sand, which is the target zone for the proposed well. It shows that the sand across the HSU has a thickness of approximately 400 feet.

5. Attached hereto as Exhibit C is a west to east cross section. The well logs on the cross section provide a representative sample of the Third Bone Spring Sand in the area. The target zone for the proposed well is continuous across the HSU.

6. Based on the information contained in Exhibits A, B and C, I am able to conclude that:

a) The HSU is justified from a geologic standpoint;

**Case No. 20504
MEWBOURNE OIL
Exhibit #2**

b) There is no faulting or other geologic impediment that could adversely affect the drilling of the proposed well; and

c) Each quarter-quarter section in the HSU will contribute more or less equally to production.

7. Attached hereto as Exhibit D is a table containing data information from other Third Bone Spring Sand and Wolfcamp Sand wells drilled in the vicinity. The preference is for laydown wells (west to east or east to west), and the completed wells in the area (recent completions) apparently are commercial.

8. Attached hereto as Exhibit E is the Well Planning Report for the proposed well. The well's producing interval will be orthodox.

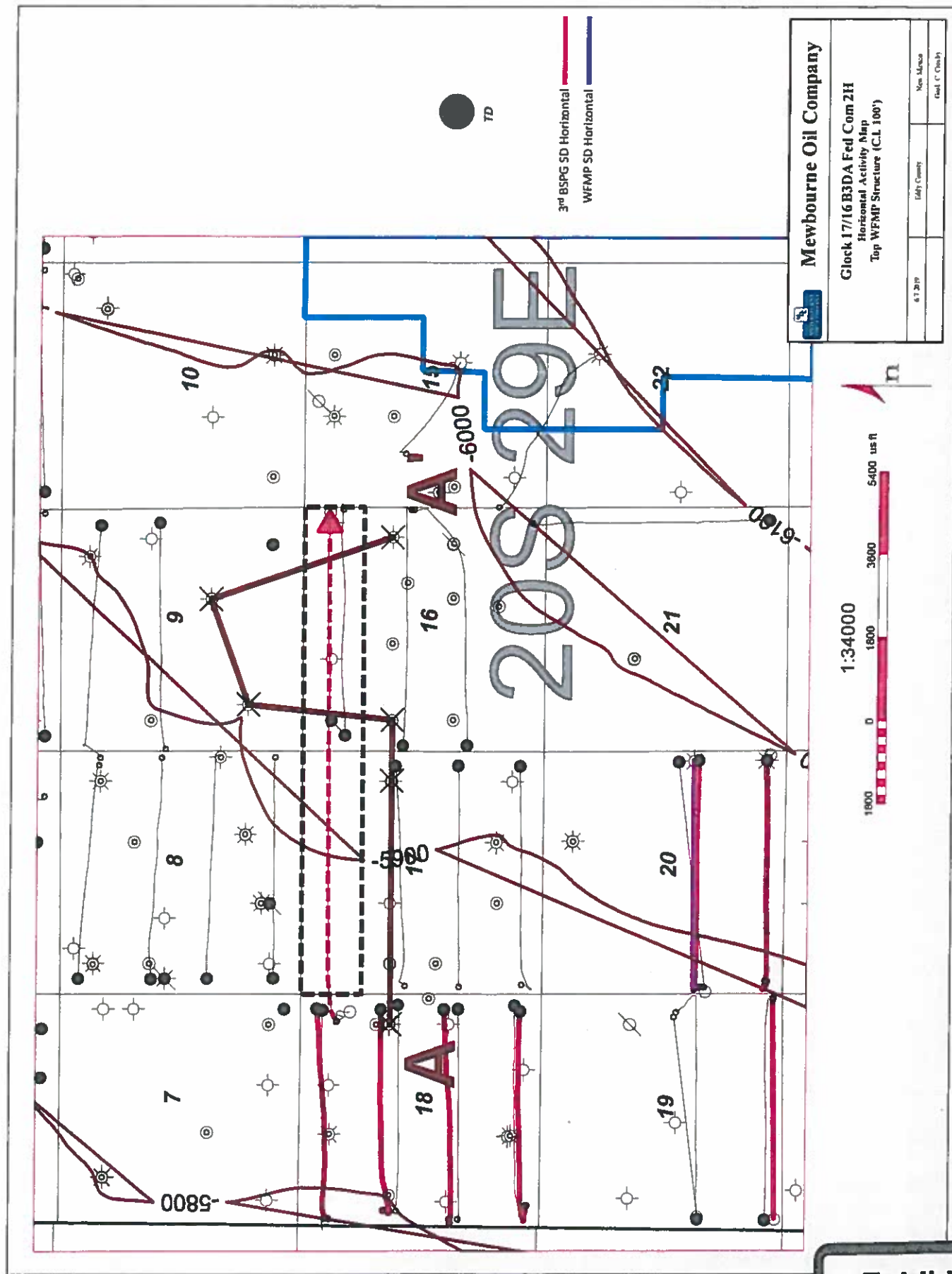
9. In my opinion, the granting of Mewbourne's application will serve the interests of conservation and the prevention of waste.

10. Exhibits A through E were either prepared by me or compiled from company records.

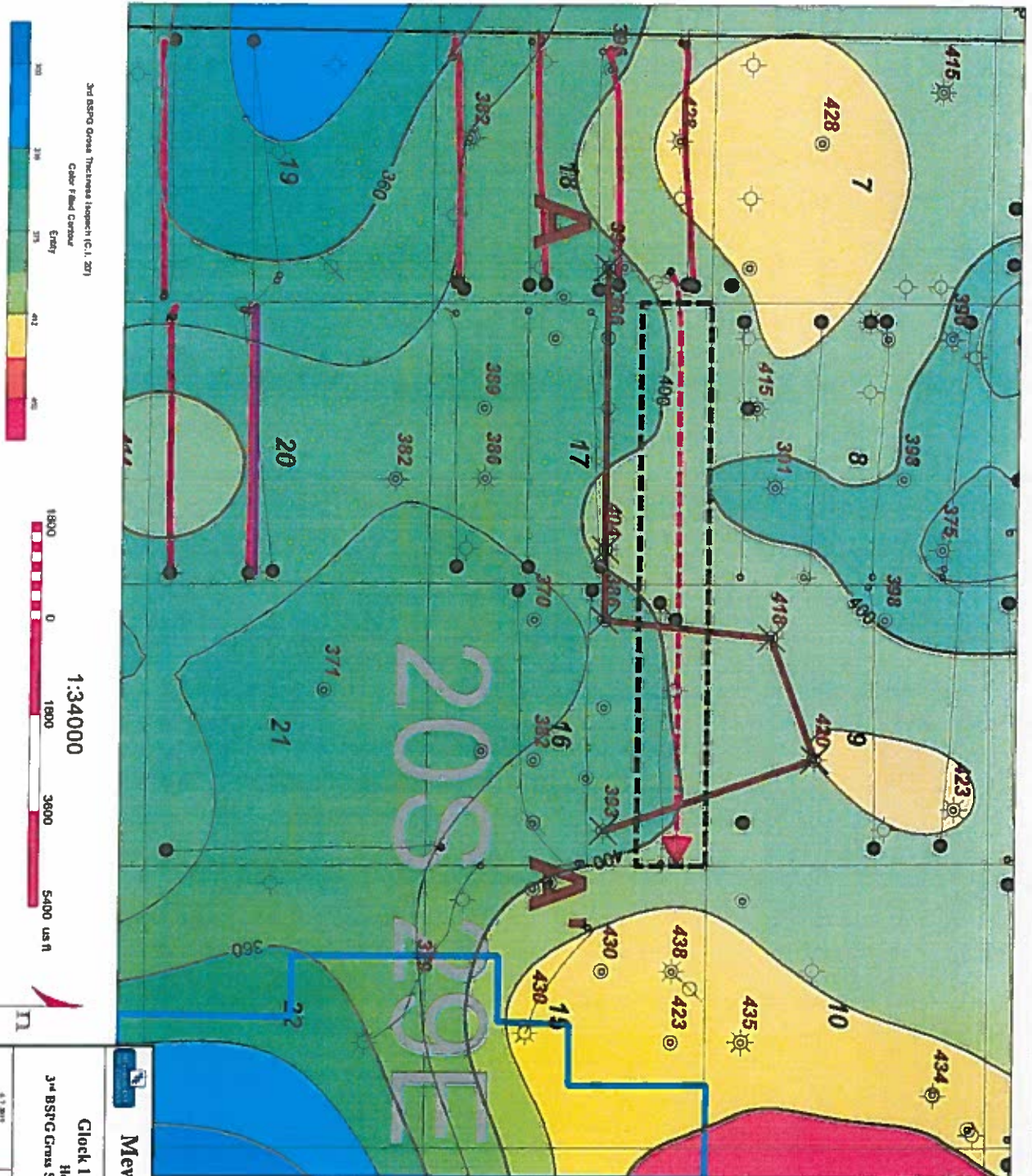
11. I understand that this Self-Affirmed Statement will be used as written testimony in this case. I affirm that my testimony in paragraphs 1 through 10 above is true and correct and is made under penalty of perjury under the laws of the State of New Mexico. My testimony is made as of the date handwritten next to my signature below.


Charles Crosby

6/12/19
Date



**Exhibit
A**



**3rd BSPG Sd Gross
Thickness**

和

3rd BSPG SD Horizontal

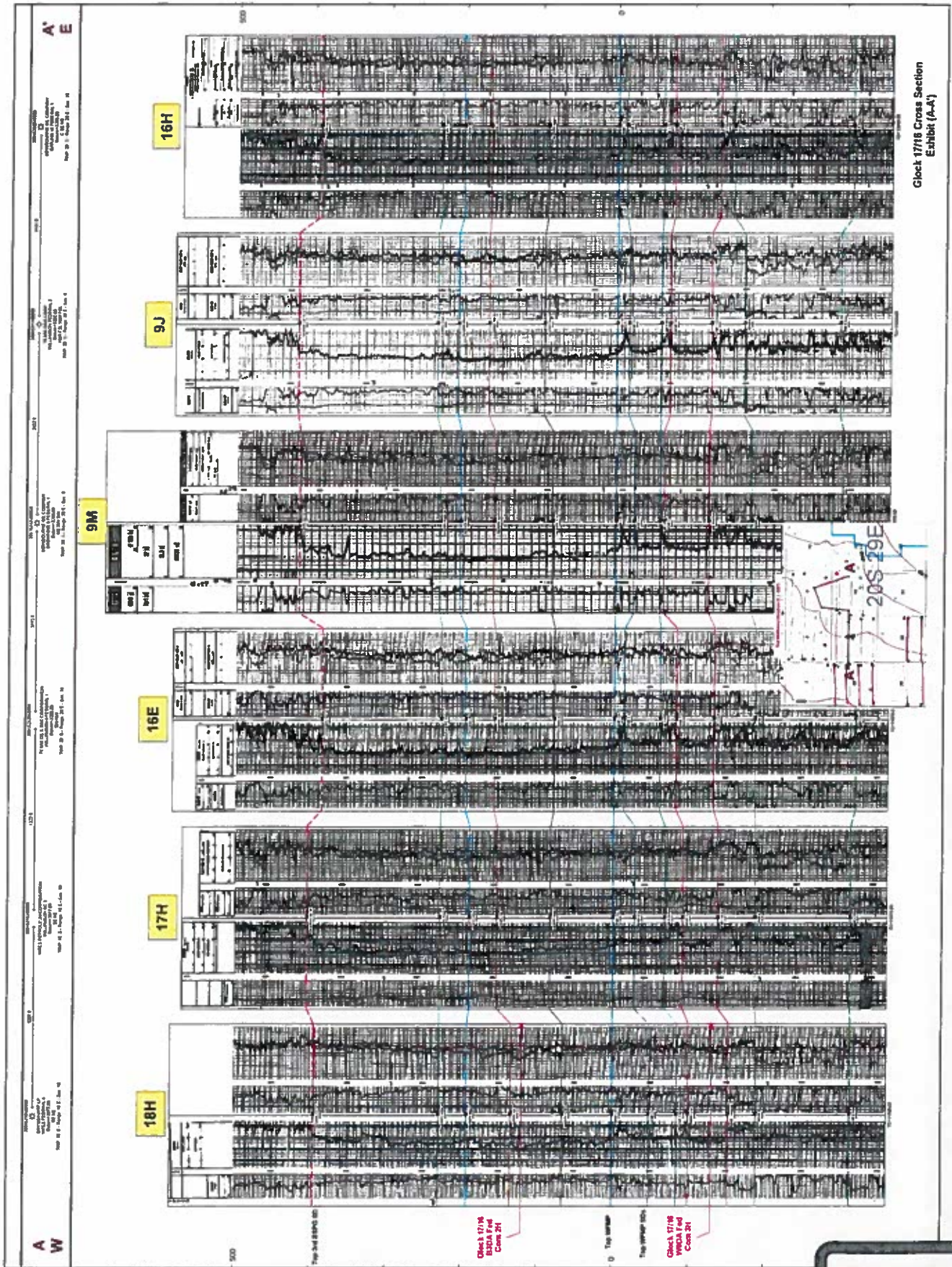
WFMP SD Horizontal

Mewbourne Oil Company

Glock 17/16 B3DA Fed Com 2H
Horizontal Activity Map
3rd BSTC Gross SD Gross Thickness Isopach (CL 20')

4-7-2019	Eddy Conner	New Mission
		Grand 17 (Thank)

Exhibit B



Glock 17/16 Cross Section
Exhibit (A-A')

**Exhibit
C**

Glock Area Production Table

Well Name	Operator	API	Location	Completion Date	Cum Oil (Mbo)	Cum Gas (Bcf)	Cum Water (Mbw)	NS/EW	Production Zone
Derringer 18 B3DA Federal 2H	Mewbourne	30015429690000	18D-20S-29E	9/10/2015	219.7	1.1	311.4	EW	3rd BSPG SD
Derringer 18 B3EH Federal 2H	Mewbourne	30015435780000	18E-20S-29E	5/24/2017	179.5	0.5	320.3	EW	3rd BSPG SD
Stebbins 20 Federal 134H	Matador	30015441750000	20M-20S-29E	11/8/2017	79.8	0.2	246.1	EW	3rd BSPG SD
Stebbins 20 Federal 133H	Matador	30015441830000	20L-20S-29E	7/14/2017	89.6	0.2	306	EW	3rd BSPG SD
Stebbins 20 Federal 203H	Matador	30015441840000	20L-20S-29E	11/8/2017	Pending			EW	WFMP Sand
Stebbins 19 Federal 137H	Matador	30015441870000	19P-20S-29E		Pending			EW	3rd BSPG SD
Derringer 18 B3LJ Federal 2H	Mewbourne	30015444310000	18L-20S-29E	1/6/2018	192.3	0.4	296.2	EW	3rd BSPG SD
Derringer 18 B3MP Federal 2H	Mewbourne	30015448160000	18M-20S-29E	9/8/2018	108.3	0.2	217.3	EW	3rd BSPG SD

**Exhibit
D**



Mewbourne Oil Company

Eddy County, New Mexico (Nad 83)

Sec 18,T20S,R29E

Glock 17-16 B3DA Fed Com #2H

Wellbore #1

Plan: Design #2

QES Well Planning Report

11 April, 2019



**Exhibit
E**



Well Planning Report



Database: EDM 5000.1 Single User Db
Company: Mewbourne Oil Company
Project: Eddy County, New Mexico (Nad 83)
Site: Sec 18,T20S,R29E
Well: Glock 17-16 B3DA Fed Com #2H
Wellbore: Wellbore #1
Design: Design #2

Local Co-ordinate Reference: Well Glock 17-16 B3DA Fed Com #2H
TVD Reference: WELL @ 3292.0usft (Patterson #250)
MD Reference: WELL @ 3292.0usft (Patterson #250)
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Project Eddy County, New Mexico (Nad 83)

Map System: US State Plane 1983
Geo Datum: North American Datum 1983
Map Zone: New Mexico Eastern Zone

System Datum: Mean Sea Level

Site Sec 18,T20S,R29E

Site Position: Northing: 574,535.70 usft Latitude: 32° 34' 45.389 N
From: Map Easting: 606,553.80 usft Longitude: 104° 7' 17.790 W
Position Uncertainty: 0.0 usft Slot Radius: 13-3/16 " Grid Convergence: 0.11 °

Well Glock 17-16 B3DA Fed Com #2H

Well Position +N/-S -247.7 usft Northing: 574,288.00 usft Latitude: 32° 34' 42.851 N
 +E/-W 4,273.6 usft Easting: 610,827.40 usft Longitude: 104° 6' 27.849 W
Position Uncertainty 0.0 usft Wellhead Elevation: Ground Level: 3,265.0 usft

Wellbore Wellbore #1

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM	4/4/2019	7.23	60.33	47,996.80000000

Design Design #2

Audit Notes:

Version: Phase: PLAN Tie On Depth: 0.0

Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	88.88

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	
3,025.0	0.00	0.00	3,025.0	0.0	0.0	0.00	0.00	0.00	0.00	
3,155.0	2.60	70.00	3,155.0	1.0	2.8	2.00	2.00	0.00	70.00	
8,593.5	2.60	70.00	8,587.9	85.4	234.6	0.00	0.00	0.00	0.00	
9,318.7	89.58	80.80	9,044.0	164.9	701.4	12.00	11.99	1.49	10.81	
9,774.3	89.58	89.91	9,047.4	201.7	1,155.0	2.00	0.00	2.00	90.03	
19,693.0	89.58	89.91	9,120.0	216.9	11,073.4	0.00	0.00	0.00	0.00	PBHL Glock 17-16



Well Planning Report



Database: EDM 5000.1 Single User Db
Company: Mewbourne Oil Company
Project: Eddy County, New Mexico (Nad 83)
Site: Sec 18,T20S,R29E
Well: Glock 17-16 B3DA Fed Com #2H
Wellbore: Wellbore #1
Design: Design #2

Local Co-ordinate Reference: Well Glock 17-16 B3DA Fed Com #2H
TVD Reference: WELL @ 3292.0usft (Patterson #250)
MD Reference: WELL @ 3292.0usft (Patterson #250)
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
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
Build 2°/100'									
3,025.0	0.00	0.00	3,025.0	0.0	0.0	0.0	0.00	0.00	0.00
3,100.0	1.50	70.00	3,100.0	0.3	0.9	0.9	2.00	2.00	0.00
EOB @ 2.6° Inc / 70° Azm									
3,155.0	2.60	70.00	3,155.0	1.0	2.8	2.8	2.00	2.00	0.00
3,200.0	2.60	70.00	3,199.9	1.7	4.7	4.7	0.00	0.00	0.00
3,300.0	2.60	70.00	3,299.8	3.3	9.0	9.0	0.00	0.00	0.00
3,400.0	2.60	70.00	3,399.7	4.8	13.2	13.3	0.00	0.00	0.00
3,500.0	2.60	70.00	3,499.6	6.4	17.5	17.6	0.00	0.00	0.00
3,600.0	2.60	70.00	3,599.5	7.9	21.7	21.9	0.00	0.00	0.00
3,700.0	2.60	70.00	3,699.4	9.5	26.0	26.2	0.00	0.00	0.00
3,800.0	2.60	70.00	3,799.3	11.0	30.3	30.5	0.00	0.00	0.00
3,900.0	2.60	70.00	3,899.2	12.6	34.5	34.8	0.00	0.00	0.00
4,000.0	2.60	70.00	3,999.1	14.1	38.8	39.1	0.00	0.00	0.00
4,100.0	2.60	70.00	4,099.0	15.7	43.1	43.4	0.00	0.00	0.00
4,200.0	2.60	70.00	4,198.9	17.2	47.3	47.6	0.00	0.00	0.00
4,300.0	2.60	70.00	4,298.8	18.8	51.6	51.9	0.00	0.00	0.00
4,400.0	2.60	70.00	4,398.7	20.3	55.8	56.2	0.00	0.00	0.00
4,500.0	2.60	70.00	4,498.6	21.9	60.1	60.5	0.00	0.00	0.00
4,600.0	2.60	70.00	4,598.5	23.4	64.4	64.8	0.00	0.00	0.00
4,700.0	2.60	70.00	4,698.4	25.0	68.6	69.1	0.00	0.00	0.00
4,800.0	2.60	70.00	4,798.3	26.5	72.9	73.4	0.00	0.00	0.00
4,900.0	2.60	70.00	4,898.2	28.1	77.2	77.7	0.00	0.00	0.00



Well Planning Report



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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)
5,000.0	2.60	70.00	4,998.1	29.6	81.4	82.0	0.00	0.00	0.00
5,100.0	2.60	70.00	5,098.0	31.2	85.7	86.3	0.00	0.00	0.00
5,200.0	2.60	70.00	5,197.9	32.7	89.9	90.6	0.00	0.00	0.00
5,300.0	2.60	70.00	5,297.7	34.3	94.2	94.9	0.00	0.00	0.00
5,400.0	2.60	70.00	5,397.6	35.8	98.5	99.2	0.00	0.00	0.00
5,500.0	2.60	70.00	5,497.5	37.4	102.7	103.4	0.00	0.00	0.00
5,600.0	2.60	70.00	5,597.4	38.9	107.0	107.7	0.00	0.00	0.00
5,700.0	2.60	70.00	5,697.3	40.5	111.3	112.0	0.00	0.00	0.00
5,800.0	2.60	70.00	5,797.2	42.0	115.5	116.3	0.00	0.00	0.00
5,900.0	2.60	70.00	5,897.1	43.6	119.8	120.6	0.00	0.00	0.00
6,000.0	2.60	70.00	5,997.0	45.1	124.0	124.9	0.00	0.00	0.00
6,100.0	2.60	70.00	6,096.9	46.7	128.3	129.2	0.00	0.00	0.00
6,200.0	2.60	70.00	6,196.8	48.3	132.6	133.5	0.00	0.00	0.00
6,300.0	2.60	70.00	6,296.7	49.8	136.8	137.8	0.00	0.00	0.00
6,400.0	2.60	70.00	6,396.6	51.4	141.1	142.1	0.00	0.00	0.00
6,500.0	2.60	70.00	6,496.5	52.9	145.4	146.4	0.00	0.00	0.00
6,600.0	2.60	70.00	6,596.4	54.5	149.6	150.7	0.00	0.00	0.00
6,700.0	2.60	70.00	6,696.3	56.0	153.9	155.0	0.00	0.00	0.00
6,800.0	2.60	70.00	6,796.2	57.6	158.1	159.2	0.00	0.00	0.00
6,900.0	2.60	70.00	6,896.1	59.1	162.4	163.5	0.00	0.00	0.00
7,000.0	2.60	70.00	6,996.0	60.7	166.7	167.8	0.00	0.00	0.00
7,100.0	2.60	70.00	7,095.9	62.2	170.9	172.1	0.00	0.00	0.00
7,200.0	2.60	70.00	7,195.8	63.8	175.2	176.4	0.00	0.00	0.00
7,300.0	2.60	70.00	7,295.7	65.3	179.5	180.7	0.00	0.00	0.00
7,400.0	2.60	70.00	7,395.6	66.9	183.7	185.0	0.00	0.00	0.00
7,500.0	2.60	70.00	7,495.5	68.4	188.0	189.3	0.00	0.00	0.00
7,600.0	2.60	70.00	7,595.4	70.0	192.2	193.6	0.00	0.00	0.00
7,700.0	2.60	70.00	7,695.3	71.5	196.5	197.9	0.00	0.00	0.00
7,800.0	2.60	70.00	7,795.2	73.1	200.8	202.2	0.00	0.00	0.00
7,900.0	2.60	70.00	7,895.1	74.6	205.0	206.5	0.00	0.00	0.00
8,000.0	2.60	70.00	7,995.0	76.2	209.3	210.8	0.00	0.00	0.00
8,100.0	2.60	70.00	8,094.9	77.7	213.6	215.0	0.00	0.00	0.00
8,200.0	2.60	70.00	8,194.8	79.3	217.8	219.3	0.00	0.00	0.00
8,300.0	2.60	70.00	8,294.7	80.8	222.1	223.6	0.00	0.00	0.00
8,400.0	2.60	70.00	8,394.6	82.4	226.4	227.9	0.00	0.00	0.00
8,500.0	2.60	70.00	8,494.5	83.9	230.6	232.2	0.00	0.00	0.00
Build 12°/100'									
8,593.5	2.60	70.00	8,587.9	85.4	234.6	236.2	0.00	0.00	0.00
8,600.0	3.37	72.49	8,594.3	85.5	234.9	236.5	12.00	11.84	38.32
8,625.0	6.35	76.42	8,619.3	86.0	237.0	238.6	12.00	11.93	15.71
8,650.0	9.35	77.84	8,644.0	86.8	240.3	241.9	12.00	11.98	5.68
8,675.0	12.34	78.57	8,668.6	87.8	244.9	246.6	12.00	11.99	2.94
8,700.0	15.34	79.03	8,692.8	88.9	250.8	252.5	12.00	11.99	1.81
8,725.0	18.34	79.33	8,716.8	90.3	257.9	259.6	12.00	11.99	1.23
8,750.0	21.34	79.56	8,740.3	91.8	266.2	268.0	12.00	12.00	0.89
8,775.0	24.34	79.73	8,763.3	93.6	275.8	277.5	12.00	12.00	0.68
8,800.0	27.34	79.86	8,785.8	95.5	286.5	288.3	12.00	12.00	0.54
8,825.0	30.34	79.97	8,807.7	97.6	298.4	300.2	12.00	12.00	0.44
8,850.0	33.34	80.06	8,828.9	99.9	311.3	313.2	12.00	12.00	0.37
8,875.0	36.34	80.14	8,849.5	102.3	325.4	327.4	12.00	12.00	0.31
8,900.0	39.34	80.21	8,869.2	105.0	340.5	342.5	12.00	12.00	0.27
8,925.0	42.34	80.27	8,888.1	107.7	356.6	358.7	12.00	12.00	0.24
8,950.0	45.34	80.32	8,906.2	110.7	373.7	375.8	12.00	12.00	0.21
8,975.0	48.34	80.37	8,923.3	113.7	391.7	393.8	12.00	12.00	0.19



Well Planning Report



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Project: Eddy County, New Mexico (Nad 83)
Site: Sec 18,T20S,R29E
Well: Glock 17-16 B3DA Fed Com #2H
Wellbore: Wellbore #1
Design: Design #2

Local Co-ordinate Reference: Well Glock 17-16 B3DA Fed Com #2H
TVD Reference: WELL @ 3292.0usft (Patterson #250)
MD Reference: WELL @ 3292.0usft (Patterson #250)
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
9,000.0	51.34	80.41	8,939.4	116.9	410.5	412.7	12.00	12.00	0.18
9,025.0	54.34	80.45	8,954.5	120.2	430.1	432.4	12.00	12.00	0.16
9,050.0	57.34	80.49	8,968.5	123.6	450.5	452.9	12.00	12.00	0.15
9,075.0	60.34	80.53	8,981.4	127.2	471.6	474.0	12.00	12.00	0.14
9,100.0	63.33	80.56	8,993.2	130.8	493.4	495.8	12.00	12.00	0.13
9,125.0	66.33	80.59	9,003.9	134.5	515.7	518.2	12.00	12.00	0.12
9,150.0	69.33	80.62	9,013.3	138.3	538.5	541.1	12.00	12.00	0.12
9,175.0	72.33	80.65	9,021.5	142.1	561.8	564.5	12.00	12.00	0.11
9,200.0	75.33	80.68	9,028.5	146.0	585.5	588.3	12.00	12.00	0.11
9,225.0	78.33	80.70	9,034.2	149.9	609.5	612.4	12.00	12.00	0.11
9,250.0	81.33	80.73	9,038.6	153.9	633.8	636.7	12.00	12.00	0.11
9,275.0	84.33	80.76	9,041.7	157.9	658.3	661.3	12.00	12.00	0.10
9,300.0	87.33	80.78	9,043.5	161.9	682.9	686.0	12.00	12.00	0.10
EOB @ 89.58° Inc / 80.8° Azm / Turn 2°/100'									
9,318.7	89.58	80.80	9,044.0	164.9	701.4	704.5	12.00	12.00	0.10
9,400.0	89.58	82.43	9,044.6	176.7	781.8	785.1	2.00	0.00	2.00
9,500.0	89.58	84.43	9,045.3	188.2	881.1	884.6	2.00	0.00	2.00
9,600.0	89.58	86.43	9,046.1	196.2	980.8	984.5	2.00	0.00	2.00
9,700.0	89.58	88.43	9,046.8	200.7	1,080.7	1,084.4	2.00	0.00	2.00
EOT @ 89.91° Azm									
9,774.3	89.58	89.91	9,047.4	201.7	1,155.0	1,158.7	2.00	0.00	2.00
9,800.0	89.58	89.91	9,047.6	201.8	1,180.7	1,184.4	0.00	0.00	0.00
9,900.0	89.58	89.91	9,048.3	201.9	1,280.7	1,284.4	0.00	0.00	0.00
10,000.0	89.58	89.91	9,049.0	202.1	1,380.7	1,384.4	0.00	0.00	0.00
10,100.0	89.58	89.91	9,049.7	202.2	1,480.7	1,484.3	0.00	0.00	0.00
10,200.0	89.58	89.91	9,050.5	202.4	1,580.7	1,584.3	0.00	0.00	0.00
10,300.0	89.58	89.91	9,051.2	202.5	1,680.7	1,684.3	0.00	0.00	0.00
10,400.0	89.58	89.91	9,051.9	202.7	1,780.7	1,784.3	0.00	0.00	0.00
10,500.0	89.58	89.91	9,052.7	202.9	1,880.7	1,884.3	0.00	0.00	0.00
10,600.0	89.58	89.91	9,053.4	203.0	1,980.7	1,984.3	0.00	0.00	0.00
10,700.0	89.58	89.91	9,054.1	203.2	2,080.7	2,084.2	0.00	0.00	0.00
10,800.0	89.58	89.91	9,054.9	203.3	2,180.7	2,184.2	0.00	0.00	0.00
10,900.0	89.58	89.91	9,055.6	203.5	2,280.6	2,284.2	0.00	0.00	0.00
11,000.0	89.58	89.91	9,056.3	203.6	2,380.6	2,384.2	0.00	0.00	0.00
11,100.0	89.58	89.91	9,057.1	203.8	2,480.6	2,484.2	0.00	0.00	0.00
11,200.0	89.58	89.91	9,057.8	203.9	2,580.6	2,584.1	0.00	0.00	0.00
11,300.0	89.58	89.91	9,058.5	204.1	2,680.6	2,684.1	0.00	0.00	0.00
11,400.0	89.58	89.91	9,059.3	204.2	2,780.6	2,784.1	0.00	0.00	0.00
11,500.0	89.58	89.91	9,060.0	204.4	2,880.6	2,884.1	0.00	0.00	0.00
11,600.0	89.58	89.91	9,060.7	204.5	2,980.6	2,984.1	0.00	0.00	0.00
11,700.0	89.58	89.91	9,061.5	204.7	3,080.6	3,084.0	0.00	0.00	0.00
11,800.0	89.58	89.91	9,062.2	204.8	3,180.6	3,184.0	0.00	0.00	0.00
11,900.0	89.58	89.91	9,062.9	205.0	3,280.6	3,284.0	0.00	0.00	0.00
12,000.0	89.58	89.91	9,063.7	205.1	3,380.6	3,384.0	0.00	0.00	0.00
12,100.0	89.58	89.91	9,064.4	205.3	3,480.6	3,484.0	0.00	0.00	0.00
12,200.0	89.58	89.91	9,065.1	205.5	3,580.6	3,583.9	0.00	0.00	0.00
12,300.0	89.58	89.91	9,065.9	205.6	3,680.6	3,683.9	0.00	0.00	0.00
12,400.0	89.58	89.91	9,066.6	205.8	3,780.6	3,783.9	0.00	0.00	0.00
12,500.0	89.58	89.91	9,067.3	205.9	3,880.6	3,883.9	0.00	0.00	0.00
12,600.0	89.58	89.91	9,068.1	206.1	3,980.6	3,983.9	0.00	0.00	0.00
12,700.0	89.58	89.91	9,068.8	206.2	4,080.6	4,083.9	0.00	0.00	0.00
12,800.0	89.58	89.91	9,069.5	206.4	4,180.6	4,183.8	0.00	0.00	0.00
12,900.0	89.58	89.91	9,070.3	206.5	4,280.6	4,283.8	0.00	0.00	0.00



Well Planning Report



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TVD Reference: WELL @ 3292.0usft (Patterson #250)
MD Reference: WELL @ 3292.0usft (Patterson #250)
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
13,000.0	89.58	89.91	9,071.0	206.7	4,380.6	4,383.8	0.00	0.00	0.00
13,100.0	89.58	89.91	9,071.7	206.8	4,480.6	4,483.8	0.00	0.00	0.00
13,200.0	89.58	89.91	9,072.4	207.0	4,580.6	4,583.8	0.00	0.00	0.00
13,300.0	89.58	89.91	9,073.2	207.1	4,680.6	4,683.7	0.00	0.00	0.00
13,400.0	89.58	89.91	9,073.9	207.3	4,780.6	4,783.7	0.00	0.00	0.00
13,500.0	89.58	89.91	9,074.6	207.4	4,880.6	4,883.7	0.00	0.00	0.00
13,600.0	89.58	89.91	9,075.4	207.6	4,980.6	4,983.7	0.00	0.00	0.00
13,700.0	89.58	89.91	9,076.1	207.7	5,080.6	5,083.7	0.00	0.00	0.00
13,800.0	89.58	89.91	9,076.8	207.9	5,180.6	5,183.6	0.00	0.00	0.00
13,900.0	89.58	89.91	9,077.6	208.1	5,280.6	5,283.6	0.00	0.00	0.00
14,000.0	89.58	89.91	9,078.3	208.2	5,380.6	5,383.6	0.00	0.00	0.00
14,100.0	89.58	89.91	9,079.0	208.4	5,480.6	5,483.6	0.00	0.00	0.00
14,200.0	89.58	89.91	9,079.8	208.5	5,580.6	5,583.6	0.00	0.00	0.00
14,300.0	89.58	89.91	9,080.5	208.7	5,680.6	5,683.6	0.00	0.00	0.00
14,400.0	89.58	89.91	9,081.2	208.8	5,780.6	5,783.5	0.00	0.00	0.00
14,500.0	89.58	89.91	9,082.0	209.0	5,880.5	5,883.5	0.00	0.00	0.00
14,600.0	89.58	89.91	9,082.7	209.1	5,980.5	5,983.5	0.00	0.00	0.00
14,700.0	89.58	89.91	9,083.4	209.3	6,080.5	6,083.5	0.00	0.00	0.00
14,800.0	89.58	89.91	9,084.2	209.4	6,180.5	6,183.5	0.00	0.00	0.00
14,900.0	89.58	89.91	9,084.9	209.6	6,280.5	6,283.4	0.00	0.00	0.00
15,000.0	89.58	89.91	9,085.6	209.7	6,380.5	6,383.4	0.00	0.00	0.00
15,100.0	89.58	89.91	9,086.4	209.9	6,480.5	6,483.4	0.00	0.00	0.00
15,200.0	89.58	89.91	9,087.1	210.0	6,580.5	6,583.4	0.00	0.00	0.00
15,300.0	89.58	89.91	9,087.8	210.2	6,680.5	6,683.4	0.00	0.00	0.00
15,400.0	89.58	89.91	9,088.6	210.3	6,780.5	6,783.3	0.00	0.00	0.00
15,500.0	89.58	89.91	9,089.3	210.5	6,880.5	6,883.3	0.00	0.00	0.00
15,600.0	89.58	89.91	9,090.0	210.7	6,980.5	6,983.3	0.00	0.00	0.00
15,700.0	89.58	89.91	9,090.8	210.8	7,080.5	7,083.3	0.00	0.00	0.00
15,800.0	89.58	89.91	9,091.5	211.0	7,180.5	7,183.3	0.00	0.00	0.00
15,900.0	89.58	89.91	9,092.2	211.1	7,280.5	7,283.2	0.00	0.00	0.00
16,000.0	89.58	89.91	9,093.0	211.3	7,380.5	7,383.2	0.00	0.00	0.00
16,100.0	89.58	89.91	9,093.7	211.4	7,480.5	7,483.2	0.00	0.00	0.00
16,200.0	89.58	89.91	9,094.4	211.6	7,580.5	7,583.2	0.00	0.00	0.00
16,300.0	89.58	89.91	9,095.2	211.7	7,680.5	7,683.2	0.00	0.00	0.00
16,400.0	89.58	89.91	9,095.9	211.9	7,780.5	7,783.2	0.00	0.00	0.00
16,500.0	89.58	89.91	9,096.6	212.0	7,880.5	7,883.1	0.00	0.00	0.00
16,600.0	89.58	89.91	9,097.3	212.2	7,980.5	7,983.1	0.00	0.00	0.00
16,700.0	89.58	89.91	9,098.1	212.3	8,080.5	8,083.1	0.00	0.00	0.00
16,800.0	89.58	89.91	9,098.8	212.5	8,180.5	8,183.1	0.00	0.00	0.00
16,900.0	89.58	89.91	9,099.5	212.6	8,280.5	8,283.1	0.00	0.00	0.00
17,000.0	89.58	89.91	9,100.3	212.8	8,380.5	8,383.0	0.00	0.00	0.00
17,100.0	89.58	89.91	9,101.0	213.0	8,480.5	8,483.0	0.00	0.00	0.00
17,200.0	89.58	89.91	9,101.7	213.1	8,580.5	8,583.0	0.00	0.00	0.00
17,300.0	89.58	89.91	9,102.5	213.3	8,680.5	8,683.0	0.00	0.00	0.00
17,400.0	89.58	89.91	9,103.2	213.4	8,780.5	8,783.0	0.00	0.00	0.00
17,500.0	89.58	89.91	9,103.9	213.6	8,880.5	8,882.9	0.00	0.00	0.00
17,600.0	89.58	89.91	9,104.7	213.7	8,980.5	8,982.9	0.00	0.00	0.00
17,700.0	89.58	89.91	9,105.4	213.9	9,080.5	9,082.9	0.00	0.00	0.00
17,800.0	89.58	89.91	9,106.1	214.0	9,180.5	9,182.9	0.00	0.00	0.00
17,900.0	89.58	89.91	9,106.9	214.2	9,280.5	9,282.9	0.00	0.00	0.00
18,000.0	89.58	89.91	9,107.6	214.3	9,380.4	9,382.8	0.00	0.00	0.00
18,100.0	89.58	89.91	9,108.3	214.5	9,480.4	9,482.8	0.00	0.00	0.00
18,200.0	89.58	89.91	9,109.1	214.6	9,580.4	9,582.8	0.00	0.00	0.00
18,300.0	89.58	89.91	9,109.8	214.8	9,680.4	9,682.8	0.00	0.00	0.00



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TVD Reference: WELL @ 3292.0usft (Patterson #250)
MD Reference: WELL @ 3292.0usft (Patterson #250)
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
18,400.0	89.58	89.91	9,110.5	214.9	9,780.4	9,782.8	0.00	0.00	0.00
18,500.0	89.58	89.91	9,111.3	215.1	9,880.4	9,882.8	0.00	0.00	0.00
18,600.0	89.58	89.91	9,112.0	215.2	9,980.4	9,982.7	0.00	0.00	0.00
18,700.0	89.58	89.91	9,112.7	215.4	10,080.4	10,082.7	0.00	0.00	0.00
18,800.0	89.58	89.91	9,113.5	215.6	10,180.4	10,182.7	0.00	0.00	0.00
18,900.0	89.58	89.91	9,114.2	215.7	10,280.4	10,282.7	0.00	0.00	0.00
19,000.0	89.58	89.91	9,114.9	215.9	10,380.4	10,382.7	0.00	0.00	0.00
19,100.0	89.58	89.91	9,115.7	216.0	10,480.4	10,482.6	0.00	0.00	0.00
19,200.0	89.58	89.91	9,116.4	216.2	10,580.4	10,582.6	0.00	0.00	0.00
19,300.0	89.58	89.91	9,117.1	216.3	10,680.4	10,682.6	0.00	0.00	0.00
19,400.0	89.58	89.91	9,117.9	216.5	10,780.4	10,782.6	0.00	0.00	0.00
19,500.0	89.58	89.91	9,118.6	216.6	10,880.4	10,882.6	0.00	0.00	0.00
19,600.0	89.58	89.91	9,119.3	216.8	10,980.4	10,982.5	0.00	0.00	0.00
TD @ 19693' MD / 9120' TVD									
19,693.0	89.58	89.91	9,120.0	216.9	11,073.4	11,075.6	0.00	0.00	0.00

Design Targets

Target Name

- hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
VP Glock 17-16 B3DA - plan misses target center by 217.1usft at 6989.1usft MD (6985.1 TVD, 60.5 N, 166.2 E) - Point	0.00	0.00	6,990.0	199.8	-0.3	574,487.81	610,827.14	32° 34' 44.828 N	104° 6' 27.847 W
PBHL Glock 17-16 B3 - plan hits target center - Point	0.00	0.00	9,120.0	216.9	11,073.4	574,504.92	621,900.85	32° 34' 44.746 N	104° 4' 18.425 W

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
3,025.0	3,025.0	0.0	0.0	Build 2°/100'
3,155.0	3,155.0	1.0	2.8	EOB @ 2.6° Inc / 70° Azm
8,593.5	8,587.9	85.4	234.6	Build 12°/100'
9,318.7	9,044.0	164.9	701.4	EOB @ 89.58° Inc / 80.8° Azm / Turn 2°/100'
9,774.3	9,047.4	201.7	1,155.0	EOT @ 89.91° Azm
19,693.0	9,120.0	216.9	11,073.4	TD @ 19693' MD / 9120' TVD