

Protested SWD Application

Lamkin, Baylen, EMNRD

From: Lamkin, Baylen, EMNRD
Sent: Thursday, August 26, 2021 10:03 AM
To: Zane Anderson
Cc: Chloe_sawtelle@eogresources.com
Subject: Notification of Protest for Application to Inject: Mewbourne Oil Co_Low Ball 4 Fed SWD No.1_EOG Protest
Attachments: SWD-2445_Mewbourne Oil Co_Low Ball 4 Fed SWD No.1_EOG protest.pdf

RE: Low Ball 4 Fed SWD No.1 (API 30-15-Pending; Admin. Appl. No pBL2121744525) Unit P S4 T26S R30E, NMPM, Eddy County

Mr. Anderson,

The OCD was notified by EOG Resources that they are protesting this application. Because of the protest, the application can no longer be reviewed administratively. You are being notified that for this application to be considered, Mewbourne Oil Co., currently has two options; the first is to go to hearing, the second is to negotiate a resolution with the protesting party. If the protest is withdrawn, then the application can be reviewed administratively. In the meantime, the application will be retained pending a hearing or other resolution. Please continue to provide OCD with information regarding the standing of this application and feel free to call me with any questions.

Contact for EOG Resources:

Chloe Sawtelle
EOG Resources, Inc.
432-686-3660

Kind regards,

Baylen Lamkin
Petroleum Engineer
Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505
505-476-3401



Lamkin, Baylen, EMNRD

From: Chloe Sawtelle <Chloe_Sawtelle@eogresources.com>
Sent: Thursday, August 26, 2021 7:12 AM
To: Engineer, OCD, EMNRD; Hearings, OCC, EMNRD; Hearings, OCD, EMNRD
Cc: Goetze, Phillip, EMNRD; Salvidrez, Marlene, EMNRD; Lowe, Leonard, EMNRD; Lamkin, Baylen, EMNRD; Corey Mitchell; Tracy Jordan; Katie McBryde
Subject: SWD PROTEST | Mewbourne Oil Company - Low Ball 4 Fed SWD #1
Attachments: Notice of App for Low Ball 4 Fed SWD #1.pdf

Ladies and Gentlemen:

EOG Resources, Inc. received Mewbourne Oil Company's application for the Low Ball 4 Fed SWD #1 to be located in the SESE of Sec. 4-T26S-R30E, 830' FSL and 200' FEL, Eddy County, New Mexico and reviewed it. Application is also attached.

EOG would like to formally protest this application and request this matter be set for hearing.

Please confirm receipt of this email.

Thank you,

Chloe Sawtelle
EOG Resources, Inc.
432-686-3660



MEWBOURNE
OIL COMPANY

August 4, 2021

RECEIVED

AUG 11 2021

EOG RESOURCES, INC
MIDLAND DIVISION

EOG Resources, Inc.
5509 Champions Drive
Midland, TX 79706

Re: Application to Inject
Low Ball 4 Fed SWD #1
Section 4, Township 26 South, Range 30 East
200' FEL & 830' FSL
Eddy County, New Mexico

To Whom It May Concern,

Enclosed for your review is a copy of Mewbourne Oil Company's C-108 Application to Inject for the captioned well. As required by the New Mexico Oil Conservation Division, you are being noticed because you have been identified as the surface owner, mineral owner or a leasehold operator within a one-mile radius of the proposed well location. If you object to the application, you must file a written objection and/or request for hearing with the Division within 15 days of receipt of this notice. The Division's address is 1220 South St. Francis Drive, Santa Fe, New Mexico 87505.

Should you have any questions, please contact us at (575) 393-5905.

Sincerely yours,

MEWBOURNE OIL COMPANY

Zane Anderson
Engineer
zanderson@mewbourne.com

APPLICATION FOR AUTHORIZATION TO INJECT

- I. PURPOSE: _____ Secondary Recovery _____ Pressure Maintenance _____ X _____ Disposal _____ Storage
Application qualifies for administrative approval? _____ X _____ Yes _____ No
- II. OPERATOR: **Mewbourne Oil Company**
ADDRESS: **4801 Business Park Blvd**
Hobbs, NM 88240
CONTACT PARTY: **Zane Anderson** PHONE: **575-393-5905**
- III. WELL DATA: Complete the data required on the reverse side of this form for each well proposed for injection.
Additional sheets may be attached if necessary.
- IV. Is this an expansion of an existing project? _____ Yes _____ X _____ No
If yes, give the Division order number authorizing the project: _____
- V. Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.
- VI. Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.
- VII. Attach data on the proposed operation, including:
1. Proposed average and maximum daily rate and volume of fluids to be injected;
 2. Whether the system is open or closed;
 3. Proposed average and maximum injection pressure;
 4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and,
 5. If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).
- *VIII. Attach appropriate geologic data on the injection zone including appropriate lithologic detail, geologic name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such sources known to be immediately underlying the injection interval.
- IX. Describe the proposed stimulation program, if any.
- *X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division, they need not be resubmitted).
- *XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.
- XII. Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground sources of drinking water.
- XIII. Applicants must complete the "Proof of Notice" section on the reverse side of this form.
- XIV. Certification: I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.
- NAME: **Zane Anderson** TITLE: **Engineer**
SIGNATURE: _____ DATE: _____
E-MAIL ADDRESS: **zanderson@mewbourne.com**
- * If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be resubmitted. Please show the date and circumstances of the earlier submittal: _____

III. WELL DATA

A. The following well data must be submitted for each injection well covered by this application. The data must be both in tabular and schematic form and shall include:

- (1) Lease name; Well No.; Location by Section, Township and Range; and footage location within the section.
- (2) Each casing string used with its size, setting depth, sacks of cement used, hole size, top of cement, and how such top was determined.
- (3) A description of the tubing to be used including its size, lining material, and setting depth.
- (4) The name, model, and setting depth of the packer used or a description of any other seal system or assembly used.

Division District Offices have supplies of Well Data Sheets which may be used or which may be used as models for this purpose. Applicants for several identical wells may submit a "typical data sheet" rather than submitting the data for each well.

B. The following must be submitted for each injection well covered by this application. All items must be addressed for the initial well. Responses for additional wells need be shown only when different. Information shown on schematics need not be repeated.

- (1) The name of the injection formation and, if applicable, the field or pool name.
- (2) The injection interval and whether it is perforated or open-hole.
- (3) State if the well was drilled for injection or, if not, the original purpose of the well.
- (4) Give the depths of any other perforated intervals and detail on the sacks of cement or bridge plugs used to seal off such perforations.
- (5) Give the depth to and the name of the next higher and next lower oil or gas zone in the area of the well, if any.

XIV. PROOF OF NOTICE

All applicants must furnish proof that a copy of the application has been furnished, by certified or registered mail, to the owner of the surface of the land on which the well is to be located and to each leasehold operator within one-half mile of the well location.

Where an application is subject to administrative approval, a proof of publication must be submitted. Such proof shall consist of a copy of the legal advertisement which was published in the county in which the well is located. The contents of such advertisement must include:

- (1) The name, address, phone number, and contact party for the applicant;
- (2) The intended purpose of the injection well; with the exact location of single wells or the Section, Township, and Range location of multiple wells;
- (3) The formation name and depth with expected maximum injection rates and pressures; and,
- (4) A notation that interested parties must file objections or requests for hearing with the Oil Conservation Division, 1220 South St. Francis Dr., Santa Fe, New Mexico 87505, within 15 days.

NO ACTION WILL BE TAKEN ON THE APPLICATION UNTIL PROPER PROOF OF NOTICE HAS BEEN SUBMITTED.

NOTICE: Surface owners or offset operators must file any objections or requests for hearing of administrative applications within 15 days from the date this application was mailed to them.

INJECTION WELL DATA SHEET

OPERATOR: **Mewbourne Oil Company**WELL NAME & NUMBER: **Low Ball 4 Fed SWD #1**

WELL LOCATION: 830' FSL & 200' FEL P 4 26S 30E
 FOOTAGE LOCATION UNIT LETTER SECTION TOWNSHIP RANGE

WELLBORE SCHEMATIC (See Attached)WELL CONSTRUCTION DATASurface CasingHole Size: **26"**Casing Size: **20" (94 & 106.5 #) @ 1,325'**Cement with: **1950 sx (100% excess)**Top of Cement: **Surface**Intermediate CasingHole Size: **17 1/2"**Casing Size: **13 3/8" (54.5 & 61#) @ 3,600'**Stage 1: **1800 sx (25% excess)**Top of Cement: **Surface (Calculated)**Production CasingHole Size: **12 1/4"**Casing Size: **9 5/8" (40#) @ 10,775'**Stage 1: **1265 sx**Top of Cement: **Surface (Calculated)**Stage 2: **1115 sx****DV Tool @4,900'**
Top of Cement: **Surface (Calculated)**Production LinerHole Size: **8 1/2"**Casing Size: **7 5/8" (39#)**
Top @ 10,575'
Bottom @ 16,350'Cement with: **320 sx (25% excess)**Top of Cement: **10,575'**
(Proposed: circulated to liner top)**TD @ 17,500'**Permitted Injection Interval 16,350'-17,500'

INJECTION WELL DATA SHEET

Tubing Size: 7" x 5 1/2" Lining Material: **Duoline**
7", P110 UFJ GB to approximately 10,450'
5 1/2", P110 UFJ GB to 16,270'

Type of Packer: 3 1/2" x 7 5/8" **Model R Packer (Inconel)**

Packer Setting Depth: +/- **16,270'**

Other Type of Tubing/Casing Seal (if applicable): **N/A**

Additional Data

1. Is this a new well drilled for injection? **Yes**

If no, for what purpose was the well originally drilled? **NA**

2. Name of the Injection Formation: **Devonian - Open Hole Completion**

3. Name of Field or Pool (if applicable): **96101 SWD; Devonian**

4. Has the well ever been perforated in any other zone(s)? **No.**

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area:

Overlying potentially productive zone tops – **Delaware (3,675'), Bone Spring (7,500'), Wolfcamp (10,750'), & Morrow (13,900')**

Underlying producing zone – **N/A**

Mewbourne Oil Company

Well Name: Low Ball 4 Fed SWD #1
Spud: 2021

20" 94 & 106.5# J-55 BTC

Set @ 1,325'

Cmt w / 1950 sx

13 3/8" 54.5 & 61# J55 & HCL80 STC

Set @ 3,600'

Cmt w / 1800 sx

ECP/DV Tool @ 4900'

Cmt 2nd stg w / 1115 sx

9 5/8" 40# HCL80 LTC

Set @ 10,775'

Cmt 1st stg w / 1265 sx

7 5/8" 39# P-110 UFJ Liner

Set from 10,575'-16,350'

Cmt w / 320 sx

6 1/8" Open Hole

TD @ 17,500'

Injection String

7" P110 UFJ GB & 5 1/2" P110 UFJ GB

Nickel-Plated Pkr Set @ 16,270'

DV Tool @ 16,280'

External Csg Pkr Set @ 16,320'

INJECTION ZONE: DEVONIAN
16350' 17500'

LOW BALL 4 FED SWD #1

Additional Details

VI. There are no wells penetrating the disposal formation within the area of review.

VII. 1. Proposed average rate of 20,000 bwpd and maximum rate of 40,000 bwpd.

2. Non-commercial SWD (closed system).

3. Proposed average injection pressure is unknown and the maximum injection pressure is approximately 3,270 psi (0.2 psi/ft x 16,350 ft).

4. This well is being permitted as a private SWD, therefore all the injected fluid will be formation water from Mewbourne Oil Company operated wells currently producing or planned in the area. Representative water samples from the Wolfcamp and Bone Spring formations are attached.

5. We will be injecting into the Devonian formation. Devonian formation water is known to be compatible with the formation water of the Bone Spring and Wolfcamp. No Devonian water analysis are available within the immediate area. The following data is the closest produced water analysis that is available on the USGS

IDUSGS	IDORIG	IDDB	SOURCE	LATITUDE	LONGITUDE	API	COUNTY	FIELD	WELLNAME	TOWNRANGE	
35292	30000310	USGSBREIT	Pan American Petroleum Corporation	32.183	-103.7766	30015108590000	Eddy	Poker Lake South	Poker Lake Unit #36	S 24 E 31 28	
DATESAMPLE	METHOD	FORMATION	DEPTHUPPER	DEPTHLOWER	SG	SGRAV	RESIS	RESIST	PH	TDSUSGS	TDS
1967-04-06	Separator	Devonian	16578	16660	1.086	1.086	0.067	77	6.6	120326	120326

VIII. 1. The proposed injection interval is within the Devonian formation which is a porous dolomitic limestone from 16,350' to 17,500'. It is estimated that the base of the injection interval should be approximately 1,030' above the top of the Ellenburger.

Other Projected Formation Tops:

Mississippian	15,915'
Woodford	16,200'
Devonian	16,330'
EST TOTAL DEPTH	17,500'
Montoya	17,530'
Simpson	17,930'
Ellenburger	18,530'

2. The underground fresh water aquifers (unnamed) are present at shallow depths (per review of well records, within 2 miles of the proposed SWD, on the NM Office of the State Engineers website) with the deepest water being encountered at a depth of 320', the shallowest water at a depth of 173' and the average water depth at 220'. There are no known fresh water intervals underlying the injecting formation.

IX. The proposed stimulation is an open-hole acid treatment of 30,000 gallons of 15% HCL.

- X.** A gamma-ray / neutron log will be run from TD to surface upon the drilling and completion of proposed well.
- XI.** There were 9 wells on record with the NM State Engineers Office within 2 miles of the proposed SWD. Many of these wells could not be located or were inaccessible. A fresh water sample taken from a well located in Section 4, Twp 26S, Rge 30E, and the analysis is attached.
- XII.** Mewbourne Oil Company has examined geologic and engineering data and has found that there is no evidence of faulting between the proposed disposal zone and any underground sources of drinking water. A signed affidavit is attached.
- XIII.** See attached Proof of Notice

District I
1625 N French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

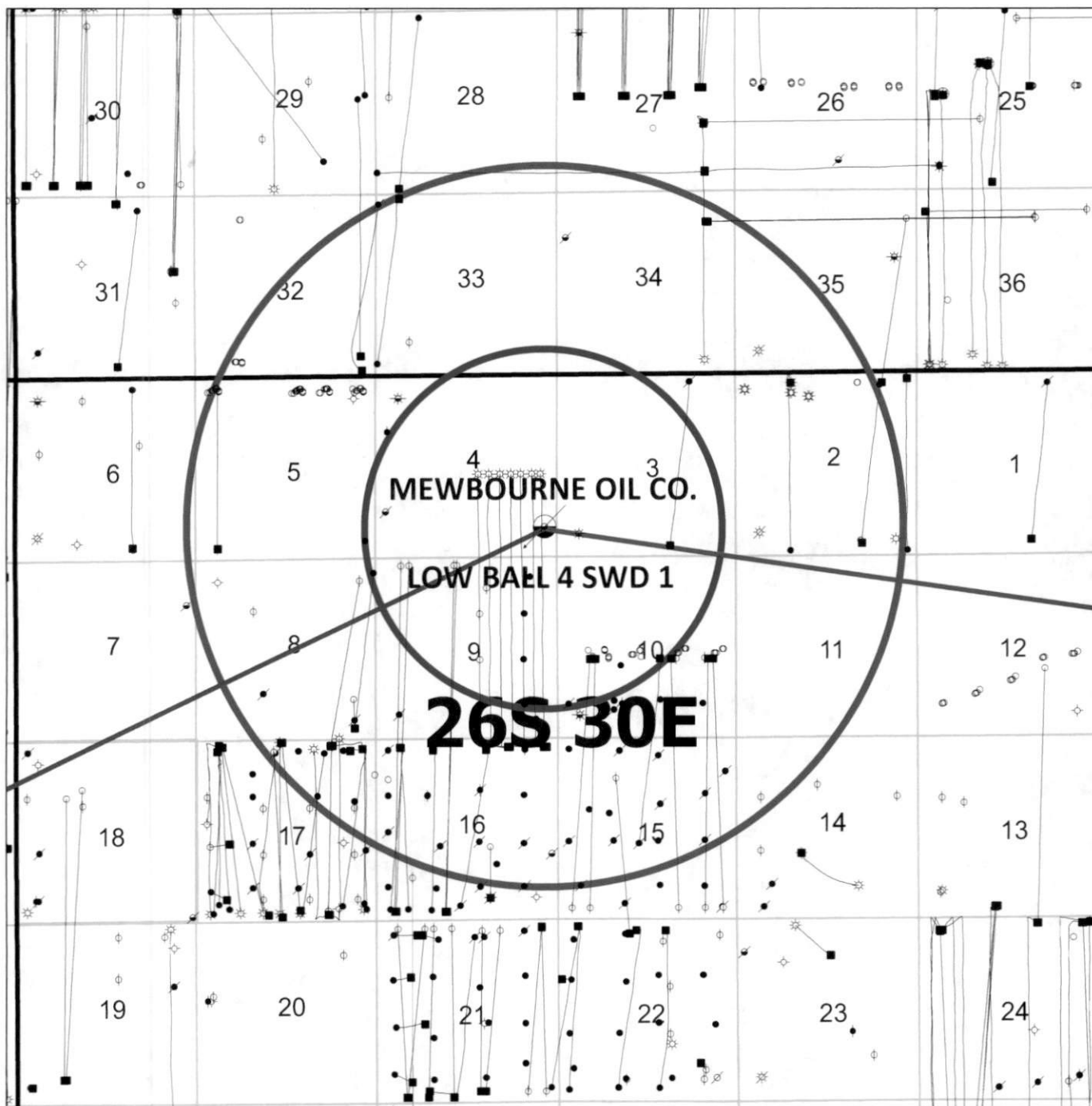
¹ API Number		² Pool Code		³ Pool Name	
⁴ Property Code		⁵ Property Name LOW BALL 4 FED SWD			⁶ Well Number 1
⁷ OGRID NO.		⁸ Operator Name MEWBOURNE OIL COMPANY			⁹ Elevation 3158'

¹⁰ Surface Location									
UL or lot no. P	Section 4	Township 26S	Range 30E	Lot Idn	Feet from the 830	North/South line SOUTH	Feet From the 200	East/West line EAST	County EDDY

¹¹ Bottom Hole Location If Different From Surface									
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
¹² Dedicated Acres		¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ Order No.			

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


<p>16</p> <p>S 89°34'26" W 2661.92'</p> <p>S 00°23'53" E 2659.91'</p> <p>GEODETIC DATA NAD 83 GRID - NM EAST</p> <p>SURFACE LOCATION N: 388338.6 - E: 682274.9 LAT: 32.0668060° N LONG: 103.8783509° W</p> <p>CORNER DATA NAD 83 GRID - NM EAST</p> <p>A: FOUND 1" PIPE N: 387470.8 - E: 677169.6</p> <p>B: FOUND BRASS CAP "1940" N: 390128.4 - E: 677152.7</p> <p>C: FOUND BRASS CAP "1940" N: 392787.7 - E: 677134.2</p> <p>D: FOUND BRASS CAP "1940" N: 392807.5 - E: 679795.5</p> <p>E: FOUND BRASS CAP "1940" N: 392828.4 - E: 682455.8</p> <p>F: FOUND BRASS CAP "1940" N: 390170.0 - E: 682467.6</p> <p>G: FOUND 1" PIPE N: 387510.3 - E: 682478.2</p> <p>H: FOUND BRASS CAP "1940" N: 387490.5 - E: 679823.3</p> <p>200' S.L. 830'</p>		<p>17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</p> <p>Signature _____ Date _____</p> <p>Printed Name _____</p> <p>E-mail Address _____</p>
<p>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.</p> <p>06-07-2021 Date of Survey</p> <p>Signature and Seal of Professional Surveyor _____</p> <p>19680 Certificate Number</p>	<p>19</p> <p>S 89°33'01" W 2661.00'</p> <p>S 00°15'11" E 2658.92'</p> <p>S 00°13'40" E 2660.36'</p> <p>Job No.: LS21060599</p>	



1 MILE AREA OF REVIEW



2 MILE AREA OF REVIEW

 Mewbourne Oil Company		
LOW BALL 4 SWD #1 <small>830 PSL & 300 PSL SECTION 4 SWD 10E EDDY CO., NEW MEXICO</small>		
Author:		Date:
40		27 June 2011

Mewboure Oil Company
Low Ball 4 Fed SWD #1 C-108 Application

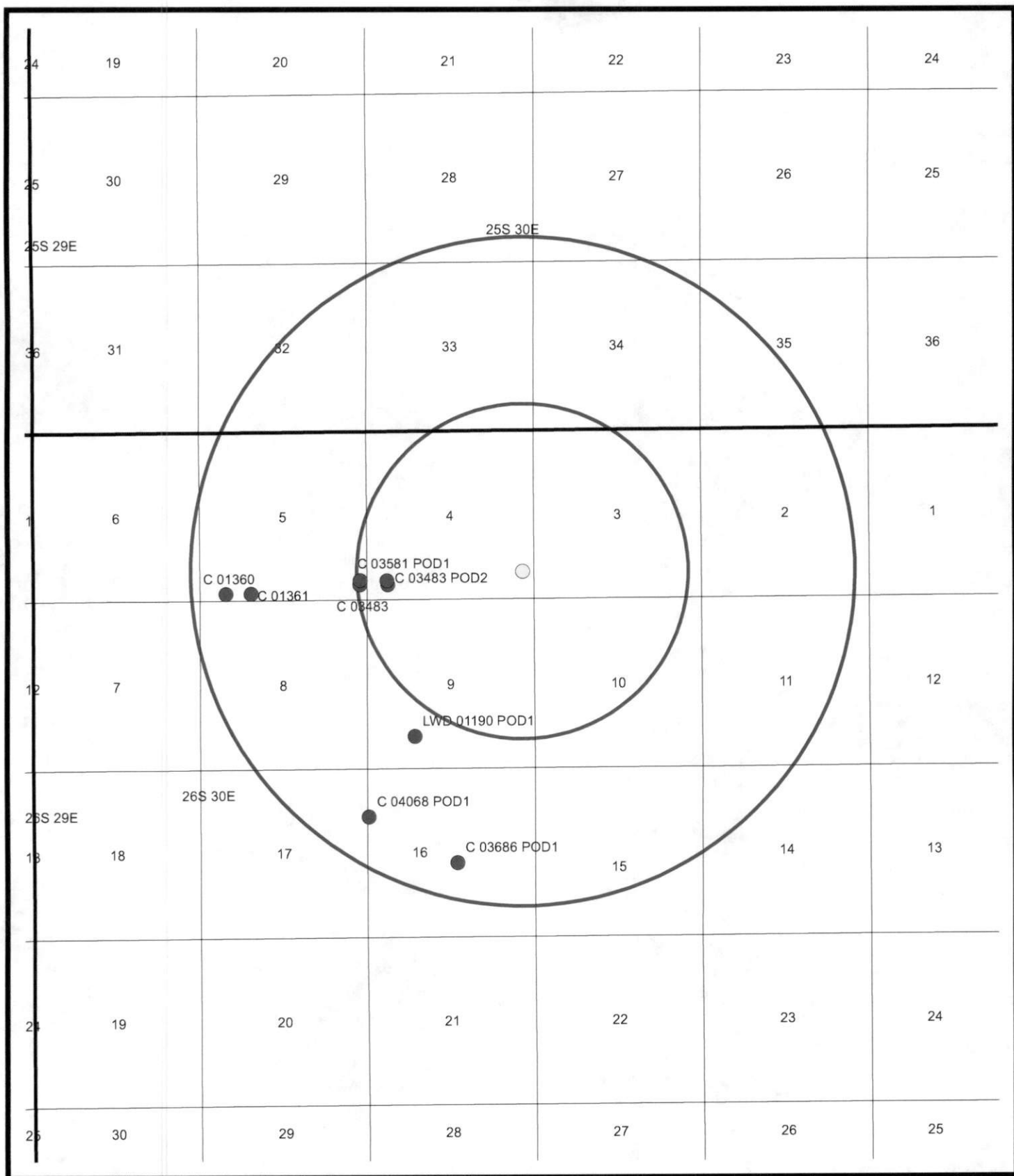
1 MILE AOR WELLS

ESTIMATED TOP OF DEVONIAN = 16,330'


Regulatory API	Lease Name	Well Num	Operator Name	Current Operator	Location	Footage	Field Name	State	County Name
3001536210	RDX 10	1	RKI EXPLORATION & PRODUCTION LLC	WPX ENERGY PERMIAN LLC	26S 30E 10 NW SW SW	990 FSL 330 FWL CONGRESS SECTION	BRUSHY DRAW	NM	EDDY
3001536211	RDX 9	1	RKI EXPLORATION & PRODUCTION LLC	WPX ENERGY PERMIAN LLC	26S 30E 9 NW SE SE	990 FSL 990 FEL CONGRESS SECTION	BRUSHY DRAW EAST	NM	EDDY
3001539932	PLU PHANTOM BANKS 3-26-30 USA	1H	CHESAPEAKE OPERATING INC	XTO PERMIAN OPERATING LLC	26S 30E 3 SW SE	300 FSL 1980 FEL CONGRESS SECTION	UNNAMED	NM	EDDY
3001540178	RDX '9' FEDERAL	2	RKI EXPLORATION & PRODUCTION LLC	WPX ENERGY PERMIAN LLC	26S 30E 9 NE SE	2310 FSL 990 FEL CONGRESS SECTION	BRUSHY DRAW	NM	EDDY
3001540878	RDX FEDERAL 10	4	RKI EXPLORATION & PRODUCTION LLC	WPX ENERGY PERMIAN LLC	26S 30E 10 NE SW	2110 FSL 1850 FWL CONGRESS SECTION	BRUSHY DRAW EAST	NM	EDDY
3001541087	RDX FEDERAL COM 10	005H	RKI EXPLORATION & PRODUCTION LLC	WPX ENERGY PERMIAN LLC	26S 30E 10 NW SE	2310 FSL 2310 FEL CONGRESS SECTION	CORRAL CANYON	NM	EDDY
3001541257	RDX FEDERAL 9	6	RKI EXPLORATION & PRODUCTION LLC	WPX ENERGY PERMIAN LLC	26S 30E 9 NE NE	580 FNL 790 FEL CONGRESS SECTION	BRUSHY DRAW EAST	NM	EDDY
3001541630	RDX FEDERAL 9	5	RKI EXPLORATION & PRODUCTION LLC	WPX ENERGY PERMIAN LLC	26S 30E 9	1650 FNL 990 FEL CONGRESS SECTION	BRUSHY DRAW EAST	NM	EDDY
3001547653	ROSEMARY 10 FED COM	727H	EOG RESOURCES INC	EOG RESOURCES INC	26S 30E 10 SW	2420 FSL 2260 FWL CONGRESS SECTION	PURPLE SAGE	NM	EDDY
3001547654	ROSEMARY 10 FED COM	729H	EOG RESOURCES INC	EOG RESOURCES INC	26S 30E 10 SW	2420 FSL 2194 FWL CONGRESS SECTION	PURPLE SAGE	NM	EDDY
3001547655	ROSEMARY 10 FED COM	731H	EOG RESOURCES INC	EOG RESOURCES INC	26S 30E 10 NE SW	2344 FSL 1522 FWL CONGRESS SECTION	PURPLE SAGE	NM	EDDY
3001547656	ROSEMARY 10 FED COM	733H	EOG RESOURCES INC	EOG RESOURCES INC	26S 30E 10 NW SW	2312 FSL 1042 FWL CONGRESS SECTION	PURPLE SAGE	NM	EDDY
3001547657	ROSEMARY 10 FED COM	735H	EOG RESOURCES INC	EOG RESOURCES INC	26S 30E 10 NW SW	2378 FSL 1042 FWL CONGRESS SECTION	PURPLE SAGE	NM	EDDY
3001547658	ROSEMARY 10 FED COM	710H	EOG RESOURCES INC	EOG RESOURCES INC	26S 30E 10 SW	2377 FSL 1522 FWL CONGRESS SECTION	PURPLE SAGE	NM	EDDY
3001547659	ROSEMARY 10 FED COM	708H	EOG RESOURCES INC	EOG RESOURCES INC	26S 30E 10 SW	2420 FSL 2227 FWL CONGRESS SECTION	PURPLE SAGE	NM	EDDY
3001547678	ROSEMARY 10 FED COM	712H	EOG RESOURCES INC	EOG RESOURCES INC	26S 30E 10 SW	2311 FSL 1522 FWL CONGRESS SECTION	PURPLE SAGE	NM	EDDY
3001547681	ROSEMARY 10 FED COM	706H	EOG RESOURCES INC	EOG RESOURCES INC	26S 30E 10 SE	2460 FSL 1810 FEL CONGRESS SECTION	PURPLE SAGE	NM	EDDY
3001547703	ROSEMARY 10 FED COM	714H	EOG RESOURCES INC	EOG RESOURCES INC	26S 30E 10 NW SW	2345 FSL 1042 FWL CONGRESS SECTION	PURPLE SAGE	NM	EDDY
3001548340	ROSEMARY 10 FED COM	766H	EOG RESOURCES INC	EOG RESOURCES INC	26S 30E 10 NE SW	2542 FSL 1403 FWL CONGRESS SECTION	PURPLE SAGE	NM	EDDY
3001548341	ROSEMARY 10 FED COM	767H	EOG RESOURCES INC	EOG RESOURCES INC	26S 30E 10 NW SW	2558 FSL 923 FWL CONGRESS SECTION	PURPLE SAGE	NM	EDDY
3001548342	ROSEMARY 10 FED COM	765H	EOG RESOURCES INC	EOG RESOURCES INC	26S 30E 10 NE SW	2587 FSL 1403 FWL CONGRESS SECTION	PURPLE SAGE	NM	EDDY
3001548343	ROSEMARY 10 FED COM	804H	EOG RESOURCES INC	EOG RESOURCES INC	26S 30E 10 NE SW	2572 FSL 1403 FWL CONGRESS SECTION	PURPLE SAGE	NM	EDDY
3001548344	ROSEMARY 10 FED COM	803H	EOG RESOURCES INC	EOG RESOURCES INC	26S 30E 10 NE SW	2539 FSL 2440 FWL CONGRESS SECTION	PURPLE SAGE	NM	EDDY
3001548358	ROSEMARY 10 FED COM	776H	EOG RESOURCES INC	EOG RESOURCES INC	26S 30E 10 NE SW	2557 FSL 1403 FWL CONGRESS SECTION	PURPLE SAGE	NM	EDDY
3001548359	ROSEMARY 10 FED COM	774H	EOG RESOURCES INC	EOG RESOURCES INC	26S 30E 10 NE SW	2359 FSL 2470 FWL CONGRESS SECTION	PURPLE SAGE	NM	EDDY
3001548362	ROSEMARY 10 FED COM	764H	EOG RESOURCES INC	EOG RESOURCES INC	26S 30E 10 NE SW	2539 FSL 2455 FWL CONGRESS SECTION	PURPLE SAGE	NM	EDDY

THERE ARE NO WELLS WITHIN THE 1 MILE RADIUS AREA OF REVIEW (AOR) THAT PENETRATE THE DEVONIAN FORMATION

Well Name	Final Status	Last Activity Date	Driller ID	Form at TD Name	Formation Producing N Proj Depth	Proj Form	Permit License I	Spud Date	Comp Date	Final Drill Date	Latitude	Longitude
WELLS	OIL PRODUCER	2021-06-07	7560	BONE SPRING	BRUSHY CANYON	7576 DELAWARE	2008-03-07	2008-06-16	2008-09-25	2008-07-02	32.05250892	-103.8761132
WELLS	OIL PRODUCER	2021-05-20	7550	BONE SPRING	DELAWARE	8370 DELAWARE	2008-03-07	2008-04-18	2008-06-28	2008-05-10	32.05249631	-103.8803011
BONE SPRING	OIL PRODUCER	2021-06-03	12963	BONE SPRING	BONE SPRING	13066 BONE SPRING	2012-02-01	2012-03-25	2012-05-12	2012-04-13	32.06525467	-103.8663962
WELLS	OIL PRODUCER	2021-05-20	7550	BONE SPRING	DELAWARE	7550 DELAWARE	2012-04-10	2012-10-21	2012-12-30	2012-11-02	32.05612885	-103.8803817
WELLS	OIL PRODUCER	2021-05-20	7626	BRUSHY CANYON	DELAWARE	7500 DELAWARE	2012-12-05	2013-06-15	2013-09-23	2013-06-27	32.05557851	-103.8711351
BONE SPRING	ABD-OW	2021-06-11	13347	BONE SPRING	BONE SPRING	15002 BONE SPRING	2013-02-05	2013-03-15	2013-05-19	2013-04-06	32.05615731	-103.8674329
WELLS	OIL PRODUCER	2021-05-20	7645	BONE SPRING	DELAWARE	7550 DELAWARE	2013-04-05	2015-05-15	2015-06-30	2015-05-23	32.06280024	-103.8797491
WELLS	OIL PRODUCER	2021-05-20	7655	DELAWARE	DELAWARE	7550 DELAWARE	2013-08-22	2015-02-10	2015-03-28	2015-02-19	32.05982073	-103.8803014
WOLF CAMP DELAWARE	WELL PERMIT	2020-11-17				18644 WOLF CAMP	2020-09-25				32.056453	-103.869912
WOLF CAMP DELAWARE	WELL PERMIT	2020-11-17				18565 WOLF CAMP	2020-09-25				32.056453	-103.870125
WOLF CAMP DELAWARE	WELL PERMIT	2020-11-17				18551 WOLF CAMP	2020-09-25				32.05624023	-103.8722721
WOLF CAMP DELAWARE	WELL PERMIT	2020-11-17				18539 WOLF CAMP	2020-09-25				32.05614881	-103.8738216
WOLF CAMP DELAWARE	WELL PERMIT	2020-11-17				18583 WOLF CAMP	2020-09-25				32.05633028	-103.8738219
WOLF CAMP DELAWARE	WELL PERMIT	2020-11-17				18338 WOLF CAMP	2020-09-25				32.056329	-103.872292
WOLF CAMP DELAWARE	WELL PERMIT	2020-11-17				18357 WOLF CAMP	2020-09-25				32.056453	-103.870019
WOLF CAMP DELAWARE	WELL PERMIT	2020-12-11				18313 WOLF CAMP	2020-09-25				32.056148	-103.872292
WOLF CAMP DELAWARE	WELL PERMIT	2020-12-11				18369 WOLF CAMP	2020-09-25				32.056572	-103.865822
WOLF CAMP DELAWARE	WELL PERMIT	2020-11-25				18307 WOLF CAMP	2020-09-25				32.05623954	-103.8738217
WOLF CAMP DELAWARE	WELL PERMIT	2021-06-03				19222 WOLF CAMP	2021-05-10				32.056782	-103.87268
WOLF CAMP DELAWARE	WELL PERMIT	2021-06-03				19217 WOLF CAMP	2021-05-10				32.056822	-103.87423
WOLF CAMP DELAWARE	WELL PERMIT	2021-06-03				19269 WOLF CAMP	2021-05-10				32.056906	-103.87268
WOLF CAMP DELAWARE	WELL PERMIT	2021-06-03				19740 WOLF CAMP	2021-05-10				32.056865	-103.87268
WOLF CAMP DELAWARE	WELL PERMIT	2021-06-03				19768 WOLF CAMP	2021-05-10				32.056784	-103.869332
WOLF CAMP DELAWARE	WELL PERMIT	2021-06-03				19511 WOLF CAMP	2021-05-10				32.05682501	-103.8726574
WOLF CAMP DELAWARE	WELL PERMIT	2021-06-03				19570 WOLF CAMP	2021-05-10				32.0562882	-103.8692116
WOLF CAMP DELAWARE	WELL PERMIT	2021-06-03				19257 WOLF CAMP	2021-05-10				32.05678299	-103.869261



- WATER WELLS
- LOW BALL 4 SWD

 Mewbourne Oil Company	
LOW BALL 4 SWD #1 830 FSL & 200 FEL SECTION 4 26S 30E EDDY CO., NEW MEXICO	
Author: sd	Date: 23 June 2021

MEWBOURNE OIL COMPANY

LOW BALL 4 FED SWD #1 APPLICATION

LIST OF NEARBY WATER WELLS (2 MILE AOR)

POD Number	POD Subbasin	County	Source	q64	q16	q4	Sec	Twp	Rng	X	Y	Lat	Long	Start Date	Finish Date	Log File Date	Depth Well	Depth Water
C 03483 POD2	C	EDDY			SW	SW	4	26S	30E	604566	3548253	32.065689	-103.8922					
C 03483 POD3	C	EDDY		SE	SW	SW	4	26S	30E	604558	3548291	32.066027	-103.892281					
C 01360	CUB	EDDY	Shallow	SE	SW	SW	5	26S	30E	602997	3548152	32.064917	-103.908833	04/26/1952	05/15/1952	11/17/1953	770	173
C 01361	CUB	EDDY	Shallow	SW	SE	SW	5	26S	30E	603240	3548157	32.064944	-103.90625	05/16/1952	06/01/1952	11/17/1953	775	184
C 03483	C	EDDY	Shallow	SE	SE	SE	5	26S	30E	604296	3548251	32.065694	-103.895055	06/03/2011	06/08/2011	07/14/2011	700	200
C 03581 POD1	CUB	EDDY	Shallow	SE	SE	SE	5	26S	30E	604298	3548291	32.066059	-103.895031	11/01/2012	11/09/2012	11/13/2012	800	320
LWD 01190 POD1	CUB	EDDY		NW	SE	SW	9	26S	30E	604838	3546802	32.052571	-103.889475					
C 04068 POD1	CUB	EDDY		NW	SE	NW	16	26S	30E	604397	3546018	32.045541	-103.894231	05/11/2017	05/12/2017	05/17/2017		
C 03686 POD1	CUB	EDDY		NW	NW	SE	16	26S	30E	605257	3545585	32.041556	-103.885166					

Water Lens

Powered by: **Water Lens™**

Sample Information			
Date of Sample Analysis:	2021/07/06	Technician Name:	vfuentes
Date Sample was Taken:	07/01/2021	Sample Name:	Low Ball 4 Fed SWD#1
Analysis Performed by:	EPD	API Well Number:	
Client:	Mewbourne Oil Company	Well Name:	Fresh Water
Reader Number:		Test Number:	C-03483-POD3
Water Lens Batch Number:	B41		

Metals			
	Dilution Factor	mg/L	meq/L
Barium	1	5	0
Calcium	Calc	499	24.9
Iron II (Fe ²⁺)	1	Less than 0.03	Less than 0.0016
Iron III (Fe ³⁺)	Calc	Less than 0.03	Less than 0.0016
Total Dissolved Iron	1	Less than 0.03	Less than 0.0016
Magnesium	100	59.40	4.88
Sodium	Calc	Greater than 530	Greater than 23
Strontium	n/a	Test Not Run	-
Manganese	n/a	Test Not Run	-
Boron		Test Not Run	-
Potassium	10	17	0.4

Anions			
	Dilution Factor	mg/L	meq/L
Chloride	1	665	19
Sulfate	10	Greater than 1600	Greater than 33
Nitrate	n/a	Test Not Run	-
Phosphate	10	3.97	0.13
Unfiltered Phosphate	n/a	Test not run	Test not run
Filtered Phosphate	n/a	Test not run	Test not run
Delta Phosphate		Test Not Run	-
Carbonate (as CO ₃ ²⁻)	Calc	-	-
Bicarbonate (as HCO ₃ ⁻)	Calc	Less than 22	-
Acetates/Formates (as Acetate)	Calc	58	1.0
Hydroxide (as OH ⁻)	Calc	0	0
Sulfide (Total)	n/a	Test not run	Test not run

Other			
	Dilution Factor		
Hydrogen Sulfide (H ₂ S)	Calc	1.0	mg/L
Turbidity	1	9	NTU's
Total Hardness	100.0	1,494.00	mg/L CaCO ₃
Oxidation/Reduction Potential (ORP)		70	millivolts
Temperature		77	Fahrenheit
Stiff & Davis Scaling Index (S&DSI)		-0.79	
Langelier Scaling Index (LSI)		-0.34	
Larson-Skold Index		290.51	
Skillman Index		1.251	
Barite Saturation Index		2.94	
Gypsum Saturation Index		0.53	
ATP (picograms/mL)	Calc	Test not run	
Dissolved CO ₂ (ppm)	Calc	10	
pH	n/a	7.57	
Total Alkalinity	1	49	mg/L CaCO ₃
Total Dissolved Solids (TDS)	Calc	3,430	mg/L
Electrical Conductivity	Calc	Greater than 5290	uS/cm
Electrical Resistivity	Calc	Less than 189.15	Ohm*cm
Manganese/Iron Ratio		Test Not Run	
Specific Gravity		1.0024	

Comments	

Water Lens

Powered by:  Water Lens™

Sample Information			
Date of Sample Analysis:	2021/07/06	Technician Name:	vfuentes
Date Sample was Taken:	07/01/2021	Sample Name:	Low Ball 4 Fed SWD#1
Analysis Performed by:	EPD	API Well Number:	
Client:	Mewbourne Oil Company	Well Name:	Produced Water
Reader Number:		Test Number:	Buffalo Trace 1/36 W1PA Fed Com #2H
Water Lens Batch Number:	841		

Metals			
	Dilution Factor	mg/L	meq/L
Barium	1	8	0
Calcium	Calc	3660	182.6
Iron II (Fe ²⁺)	1	Less than 0.03	Less than 0.0016
Iron III (Fe ³⁺)	Calc	Less than 0.03	Less than 0.0016
Total Dissolved Iron	1	Less than 0.03	Less than 0.0016
Magnesium	1,000	571.00	47.00
Sodium	Calc	37000	1610
Strontium	n/a	Test Not Run	-
Manganese	n/a	Test Not Run	-
Boron		Test Not Run	-
Potassium	100	1,021	26.1

Anions			
	Dilution Factor	mg/L	meq/L
Chloride	100	65,000	1,834
Sulfate	10	330	7
Nitrate	n/a	Test Not Run	-
Phosphate	100	54.88	1.73
Unfiltered Phosphate	n/a	Test not run	Test not run
Filtered Phosphate	n/a	Test not run	Test not run
Delta Phosphate		Test Not Run	-
Carbonate (as CO ₃ ²⁻)	Calc	-	-
Bicarbonate (as HCO ₃ ⁻)	Calc	148	2.4
Acetates/Formates (as Acetate)	Calc	185	3.1
Hydroxide (as OH ⁻)	Calc	0	0
Sulfide (Total)	n/a	Test not run	Test not run

Other			
	Dilution Factor		
Hydrogen Sulfide (H ₂ S)	Calc	0.5 mg/L	
Turbidity	1	85 NTU's	
Total Hardness	1,000.0	11,500.00 mg/L CaCO ₃	
Oxidation/Reduction Potential (ORP)		89 millivolts	
Temperature		77 Fahrenheit	
Stiff & Davis Scaling Index (S&DSI)		-0.84	
Langelier Scaling Index (LSI)		0.37	
Larson-Skold Index		925.10	
Skillman Index		1.251	
Barite Saturation Index		1.37	
Gypsum Saturation Index		-0.29	
ATP (picograms/mL)	Calc	Test not run	
Dissolved CO ₂ (ppm)	Calc	170	
pH	n/a	6.52	
Total Alkalinity	1	278 mg/L CaCO ₃	
Total Dissolved Solids (TDS)	Calc	107,900 mg/L	
Electrical Conductivity	Calc	144,100 uS/cm	
Electrical Resistivity	Calc	6.9 Ohm*cm	
Manganese/Iron Ratio		Test Not Run	
Specific Gravity		1.0750	

Comments	

MEWBOURNE OIL COMPANY

LOW BALL 4 FED SWD #1 PERMIT APPLICATION

TABULATION OF PRODUCED WATER ANALYSIS

Avalon Shale

Brushy Draw 1 Fed #1H

NOV 2 2011 **Water analysis from 11/01/11:** SG @ 1.165, Temp 70EF, pH 6.58, Na 74713, Ca 3600, Mg 480, Fe 10, CL 122000, SO₄ 250, HCO₃ 454 (all in Mg/L).

Second Bone Spring Formation

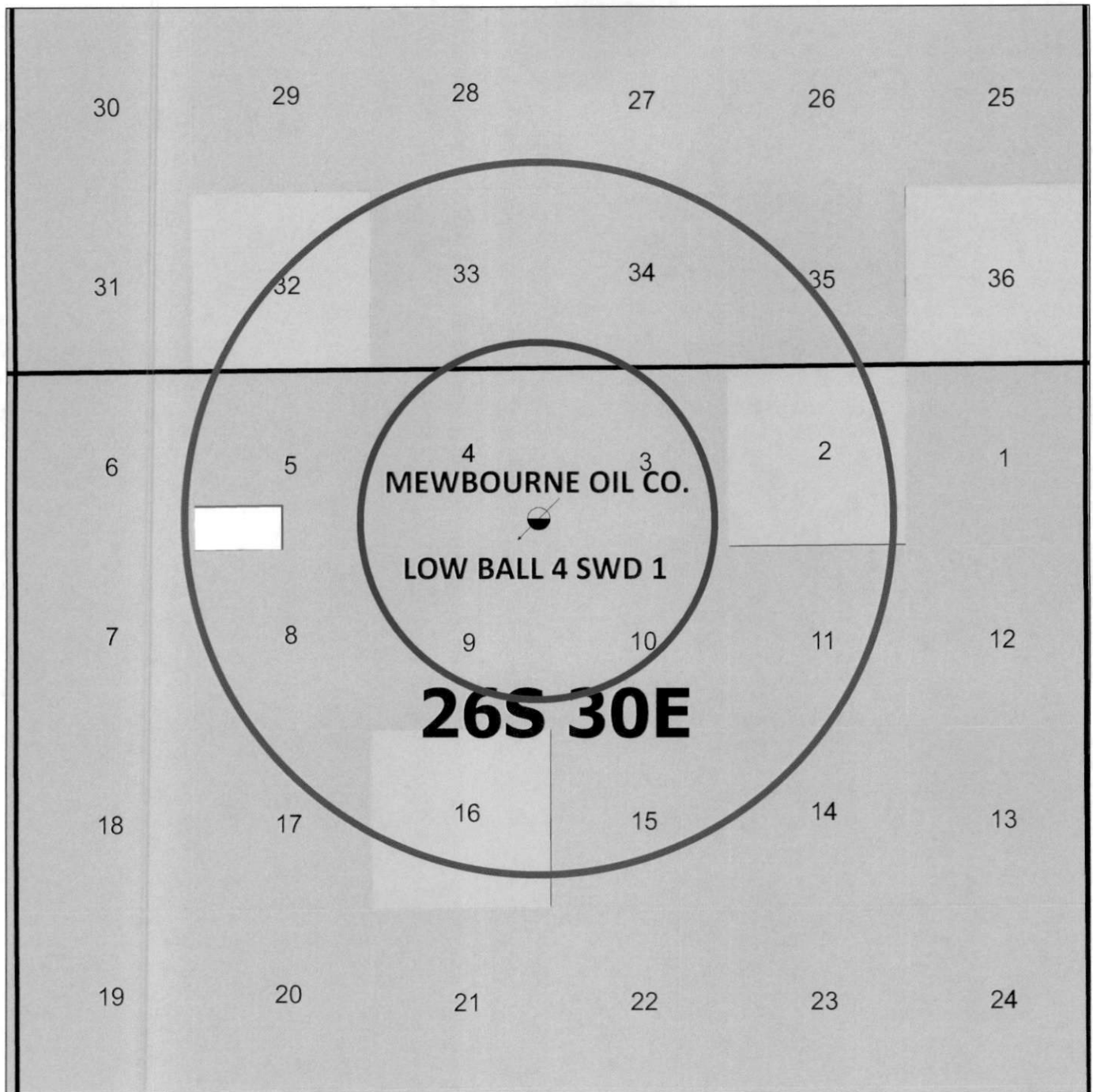
Zuma 3 B201AP – 42-301-32591

JUN 10 2016 **Water analysis from 04/22/16:** SG @ 1.063, Temp 60°, pH 6.30, Na 6900, Ca 8860, Mg 12037, Fe 14.0, CL 61700, SO₄ 25, HCO₃ 464 (all in Mg/L).

Wolfcamp Formation

Zuma 3 W201AP – 42-301-32200

JUN 10 2016 **Water analysis from 04/22/16:** SG @ 1.111, Temp 60°, pH 6.23, Na 31878, Ca 2146, Mg 18204, Fe 32.0, CL 106650, SO₄ 200, HCO₃ 244 (all in Mg/L)



FEDERAL LANDS



STATE LANDS




PUBLIC LANDS

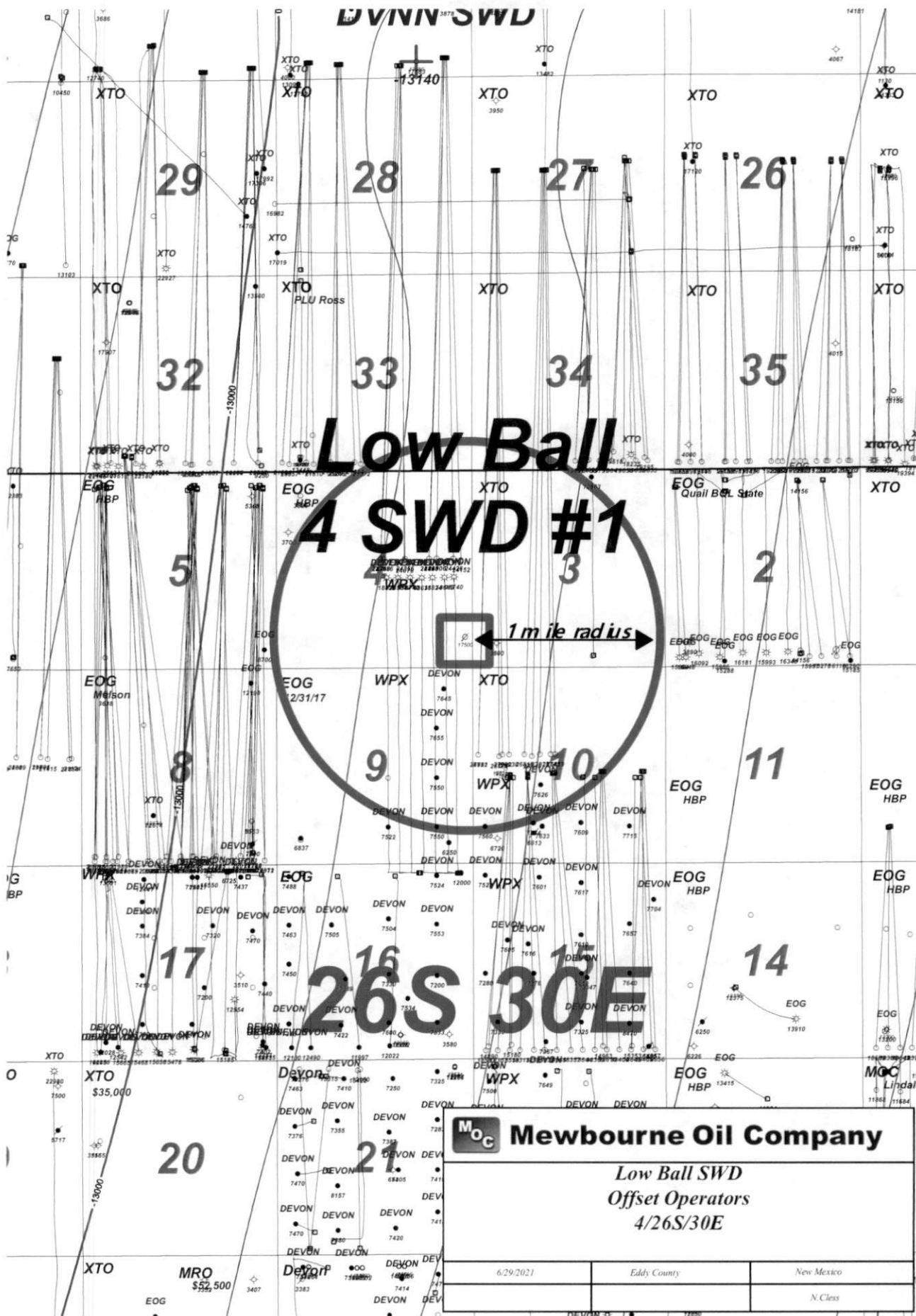


1 MILE AREA OF REVIEW



2 MILE AREA OF REVIEW

 Mewbourne Oil Company		
LOW BALL 4 SWD #1 854 PSL & 100 PSL SECTION 4 108 NE EDDY CO., NEW MEXICO		
Author: JG		Date: 21 June, 2011



Listing of Notified Persons

**Low Ball 4 Fed SWD #1 Application
830' FSL, 200' FEL
Section 4, 26S, 30E, Eddy County, NM**

Surface Owner

Surface: Bureau of Land Management
620 E. Greene St.
Carlsbad, NM 88220

Offsetting Operators Within 1 Mile AOR

Sec 33, T25S, R30E Units (All)

Operator: XTO Permian Operating LLC.
6401 Holiday Hill Rd
Midland, TX 79707

Operator: Chevron USA Inc.
6301 Deauville
Midland, TX 79706

Sec 34, T25S, R30E Units (All)

Operator: XTO Permian Operating LLC.
6401 Holiday Hill Rd
Midland, TX 79707

Operator: Chevron USA Inc.
6301 Deauville
Midland, TX 79706

Sec 3, T26S, R30E Units (All)

Operator: XTO Permian Operating LLC.
6401 Holiday Hill Rd
Midland, TX 79707

Operator: Chevron USA Inc.
6301 Deauville
Midland, TX 79706

Sec 4, T26S, R30E Units (All)

Operator: XTO Permian Operating LLC. .
6401 Holiday Hill Rd
Midland, TX 79707

Operator: WPX Energy Permian, LLC.
3500 One Williams CTR
Tulsa, OK 74172

Operator: EOG Resources, Inc
5509 Champions Drive
Midland, TX 79706

Operator: Novo Oil & Gas, LLC.
105 N Hudson Ave, STE 500
Oklahoma City, OK 73102

Sec 5, T26S, R30E Units (All)

Operator: EOG Resources, Inc
5509 Champions Drive
Midland, TX 79706

Operator: Novo Oil & Gas, LLC.
105 N Hudson Ave, STE 500
Oklahoma City, OK 73102

Sec 8, T26S, R30E Units (All)

Operator: XTO Holdings, LLC.
22777 Springwoods Village Pkwy
Spring, Tx 77389

Operator: Oxy Y-1 Company
5 Greenway Plaza Suite #110
Houston, TX 77046

Operator: EOG Resources, Inc.
5509 Champions Drive
Midland, TX 79706

Operator: Chevron USA Holdings, Inc.
11111 S Wilcrest
Houston, TX 77099

Sec 9, T26S, R30E Units (All)

Operator: EOG Resources, Inc
5509 Champions Drive
Midland, TX 79706

Operator: WPX Energy Permian, LLC.
3500 One Williams CTR
Tulsa, OK 74172

Sec 10, T26S, R30E Units (All)

Operator: XTO Permian Basin LLC.
6401 Holiday Hill Rd
Midland, TX 79707

Operator: Chevron USA Inc.
6301 Deauville
Midland, TX 79706

Operator: EOG Resources, Inc
5509 Champions Drive
Midland, TX 79706

Operator: WPX Energy Permian, LLC.
3500 One Williams CTR
Tulsa, OK 74172

Carlsbad Current Argus.

PART OF THE USA TODAY NETWORK

Affidavit of Publication

Ad # 0004826323

This is not an invoice

MEWBOURNE OIL COMPANY Y
3901 S BROADWAY AVE

TYLER, TX 75701

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:

07/17/2021


Legal Clerk

Subscribed and sworn before me this July 17, 2021:


State of WI, County of Brown
NOTARY PUBLIC

1-7-25

My commission expires

KATHLEEN ALLEN
Notary Public
State of Wisconsin

NOTICE

Mewbourne Oil Company has filed a form C-108 (Application for Authorization to Inject) with the New Mexico Oil Conservation Division seeking administrative approval to drill and complete the Low Ball 4 Fed SWD #1 as a salt water disposal well.

The Low Ball 4 Fed SWD #1 is located 830' FSL and 200' FEL, Unit Letter P, Section 4, Township 26 South, Range 30 East, NMPM, Eddy County, New Mexico. The well will dispose of water produced from nearby operated oil and gas wells into the Devonian formation into an open-hole interval from a depth of 16,350 feet to 17,500 feet. Expected maximum injection rates are 40,000 BWPD at a maximum injection pressure of 3,270 psi.

Interested parties must file objections or requests for hearing with the Oil Conservation Division, 1220 South St. Francis Drive, Santa Fe, New Mexico 87505, within 15 days. The name and address of the contact party for the applicant is Zane Anderson, Mewbourne Oil Company, 4801 Business Park Blvd, Hobbs, New Mexico 88240, (575)-393-5905. The well is located approximately 30 miles Southeast of Carlsbad, New Mexico.

#4826323, Current Argus, July 17, 2021

Ad # 0004826323

PO #:

of Affidavits 1

This is not an invoice



July 20, 2021

Engineering and Geological Services Bureau, Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, NM 87505
Attn: Mr. Phillip Goetze

Re: Low Ball 4 Fed SWD #1
Sec 4, Twp 26S, Rge 30E
Eddy County, NM

Mr. Goetze,

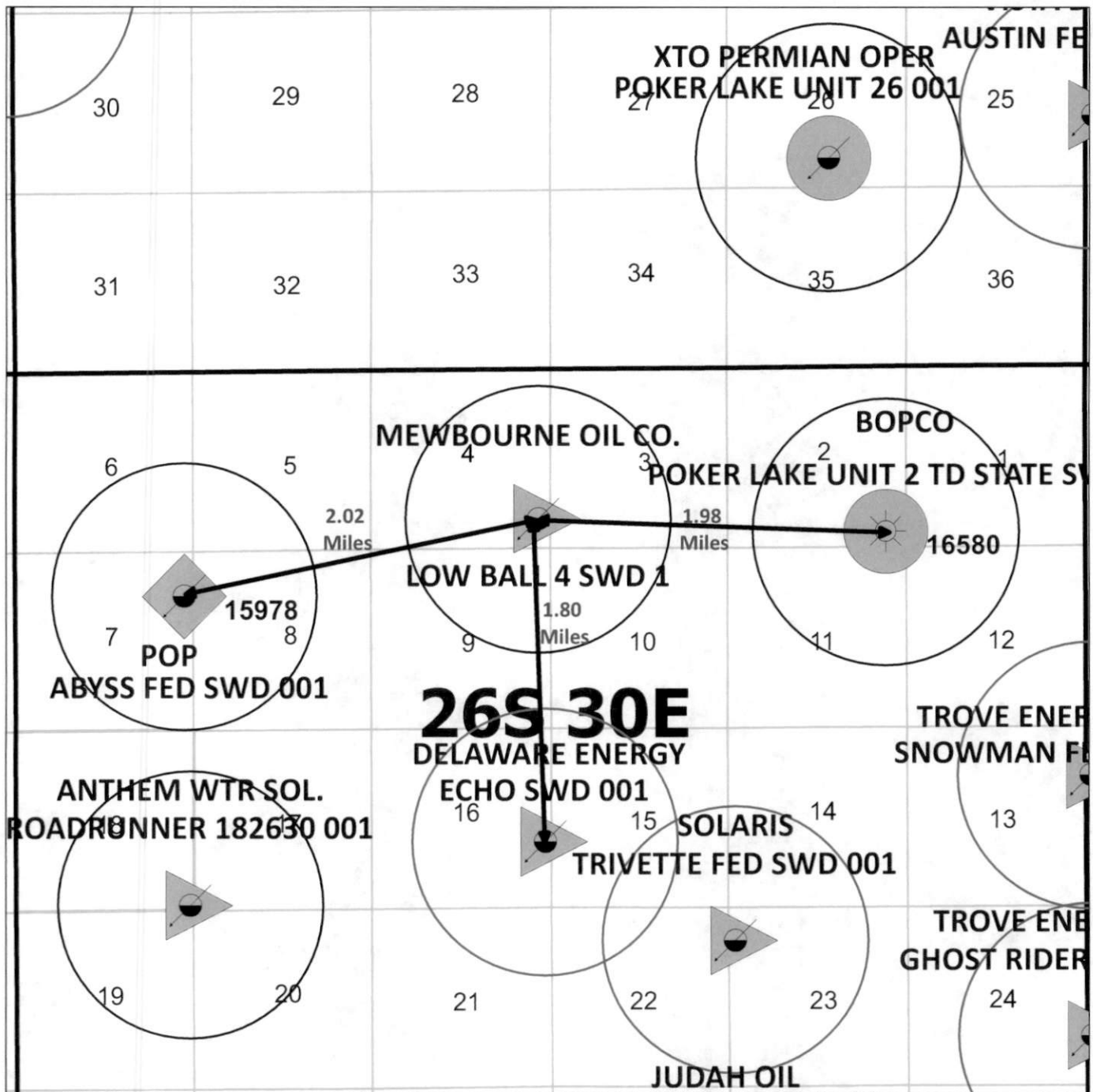
In accordance with item XII on Mewbourne Oil Company's C-108 filed for the captioned salt water disposal well, Mewbourne Oil Company has examined geologic and engineering data and has found that there is no evidence of faulting or any other hydrologic connection between the proposed disposal zone and any underground sources of drinking water.

Should you have any questions, please email me at zanderson@mewbourne.com or call me at (575) 393-5905.

Sincerely,

MEWBOURNE OIL COMPANY

Zane Anderson
Engineer
zanderson@mewbourne.com



ACTIVE SWD WELL



SWD WELL APPLICATION PENDING



PERMITTED LOCATIONS



THREE QUARTER
MILE RADIUS

Mewbourne Oil Company		
LOW BALL 4 SWD #1 410 PSL & 200 PSL SECTION 4 28S 30E EDDY CO., NEW MEXICO		
Author: JG	Date: 01 June 2011	