

ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION
 - Engineering Bureau -
 1220 South St. Francis Drive, Santa Fe, NM 87505



ADMINISTRATIVE APPLICATION CHECKLIST

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

M. H. Lee date 5/17/16

Application Acronyms:

- [NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication]
- [DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]
- [PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]
- [WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]
- [SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]
- [EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

[1] **TYPE OF APPLICATION** - Check Those Which Apply for [A]

- [A] Location - Spacing Unit - Simultaneous Dedication
 NSL NSP SD

*- SWD 1628
 - newbourne Oil Company
 14744*

Check One Only for [B] or [C]

- [B] Commingling - Storage - Measurement
 DHC CTB PLC PC OLS OLM

- well

- [C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery
 WFX PMX SWD IPI EOR PPR

*- San Lorenzo
 SWD #2*

- [D] Other: Specify _____

30-015 pending

[2] **NOTIFICATION REQUIRED TO:** - Check Those Which Apply, or Does Not Apply

- [A] Working, Royalty or Overriding Royalty Interest Owners
- [B] Offset Operators, Leaseholders or Surface Owner
- [C] Application is One Which Requires Published Legal Notice
- [D] Notification and/or Concurrent Approval by BLM or SLO
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office
- [E] For all of the above, Proof of Notification or Publication is Attached, and/or,
- [F] Waivers are Attached

*Pool
 SWD; Devonian
 Montoya
 97803*

[3] **SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.**

[4] **CERTIFICATION:** I hereby certify that the information submitted with this application for administrative approval is **accurate** and **complete** to the best of my knowledge. I also understand that **no action** will be taken on this application until the required information and notifications are submitted to the Division.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

Timothy R. Harrington
 Print or Type Name

Timothy R. Harrington
 Signature

Reservoir Engineer 5/10/16
 Title Date

tharrington@newbourne.com
 e-mail Address

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: **3620 Old Bullard Road
Tyler, TX 79701**

CONTACT PARTY: **Tim Harrington**

PHONE: **903-534-7647**

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: **Tim Harrington**

TITLE: **Reservoir Engineer**

SIGNATURE: *Tim R. Harrington*

DATE: 5/10/16

E-MAIL ADDRESS: **tharrington@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: **San Lorenzo SWD #2**

WELL LOCATION:	1575' FSL & 590' FWL	L	15	25S	28E
	FOOTAGE LOCATION	UNIT LETTER	SECTION	TOWNSHIP	RANGE

WELLBORE SCHEMATIC (See Attached)WELL CONSTRUCTION DATASurface Casing

Hole Size: 26"	Casing Size: 20" @ 450'
Cement with: 720 sx	Top of Cement: Surface (Proposed: circulated)

Intermediate Casing

Hole Size: 17 1/2"	Casing Size: 13 3/8" @ 2485'
Cement with: 1180 sx	Top of Cement: Surface (Proposed: circulated)

Intermediate 2 Casing

Hole Size: 12 1/4"	Casing Size: 9 5/8" @ 9,400'
Stage 1: Cement with: 2075 sx	Top of Cement: Surface (Proposed: circulated)
Stage 2: Cement with: 645 sx	

Intermediate 3 Liner

Hole Size: 8 1/2"	Casing Size: 7" Top @ 9,200' Bottom @ 14,420'
Cement with : 840 sx	Top of Cement: 9,200' (Proposed: circulated)
DVT @ 14,360'	
External Csg Packer @ 14,400'	

TD @ 15850'

Injection Interval

Open Hole Completion from 14420'-15850'

INJECTION WELL DATA SHEET

Tubing Size: **4 1/2"12.75# 13CR-HP1-110**

Lining Material: **None**

Type of Packer: **Model R (nickel plated)**

Packer Setting Depth: **+/- 14,350'**

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? **N/A**

2. Name of the Injection Formation: **Devonian, Fusselman & Montoya, Open Hole Completion**

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

4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used.

N/A

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

Overlying producing zone(s) – Delaware (2,560-6,300'), Bone Spring (7,145 -9,430'), Wolfcamp (9,430 -11,835'), Strawn (11,835 -12,120'), Atoka (12,120-12,265') and Morrow (12,265-14,060').

Underlying producing zone – N/A

C-108 Application for Authorization to Inject

SAN LORENZO SWD #2

Unit L, Sec 15, T25S R 28E

Eddy County, NM

- V. Maps are attached
- VI. There are no wells with ½ mile radius area of review that penetrate the proposed disposal zone
- VII. 1. Proposed average daily injection rate = 10,000 Bwpd
Proposed maximum daily injection rate = 25,000 Bwpd
2. Closed system
3. Proposed maximum injection pressure = 2,884 psi (0.2 psi/ft x 14,420 ft = 2,884 psi)
4. Source of injected water will be produced water from MOC operated wells completed in the Bone Spring and Wolfcamp formations. Analysis of Bone Spring and Wolfcamp waters from analogous source wells are attached.
5. We will be injecting into the Devonian, Fusselman and Montoya formations. Devonian formation water is known to be compatible with the formation water of the Bone Spring and Wolfcamp; however, water analysis for the Devonian was not available in the area.
- VIII. 1. The proposed injection interval is comprised of the Devonian, Fusselman and Montoya formations from 14420'-15850'. The proposed well will not penetrate the Simpson Group and it is estimated that the base of the injection interval should be approximately 125' above the top of the Ellenburger.
2. The underground fresh water aquifers (unnamed) are present at shallow depths < 150'. There are no known fresh water intervals underlying the injection formation.
- IX. The injection interval will be acidized with approximately 30,000 gallons of 15% HCl acid.
- X. A gamma-ray neutron log will be run from TD to surface and filed with the Division.
- XI. There are no fresh water wells of record within one mile of the proposed SWD well per the records of the New Mexico Office of the State Engineer. One fresh water sample was caught from a well approximately 0.58 miles from the subject well and an analysis is enclosed.
- 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 has been attached.
- XIII. Proof of Notice is attached.

Mewbourne Oil Company

Well Name: San Lorenzo SWD #2
Spud: 2016

Last Updated by: A. Taylor on 4/21/2016

20" 94# J-55 BTC
Set @ 450'
Cmt w/ 720 sx

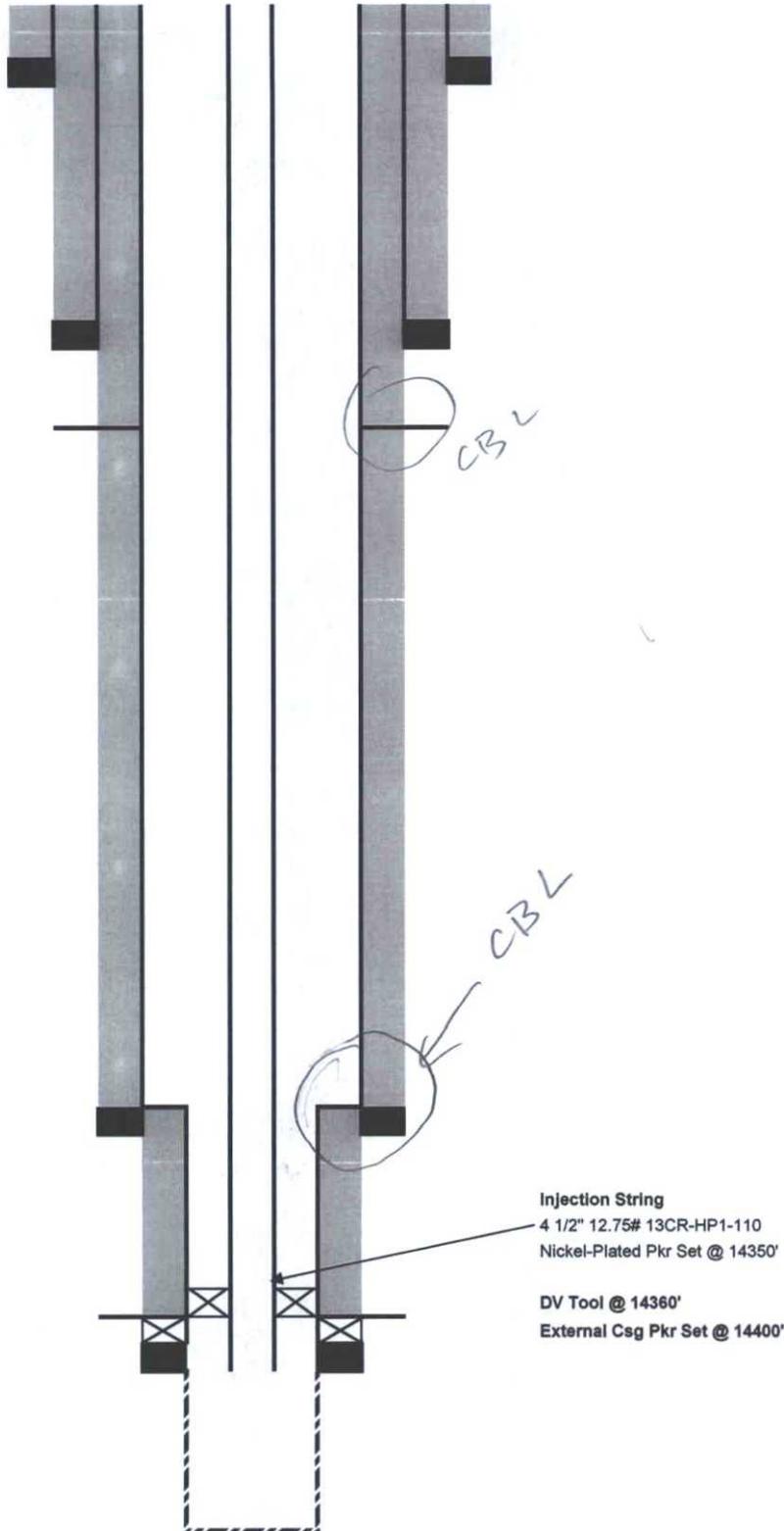
13 3/8" 54.5 & 61# J-55 STC
Set @ 2485'
Cmt w/ 1180 sx

DV Tool @ 2525'
Cmt 2nd stg w/ 645 sx

9 5/8" 43.5 & 47# N-80 & S-95 LTC
Set @ 9400'
Cmt 1st stg w/ 2075 sx

7" 29# HCL-80 LTC Liner
Set from 9200'-14420'
Cmt w/ 840 sx

6 1/8" Open Hole
TD @ 15850'



Injection String
4 1/2" 12.75# 13CR-HP1-110
Nickel-Plated Pkr Set @ 14350'

DV Tool @ 14360'
External Csg Pkr Set @ 14400'

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

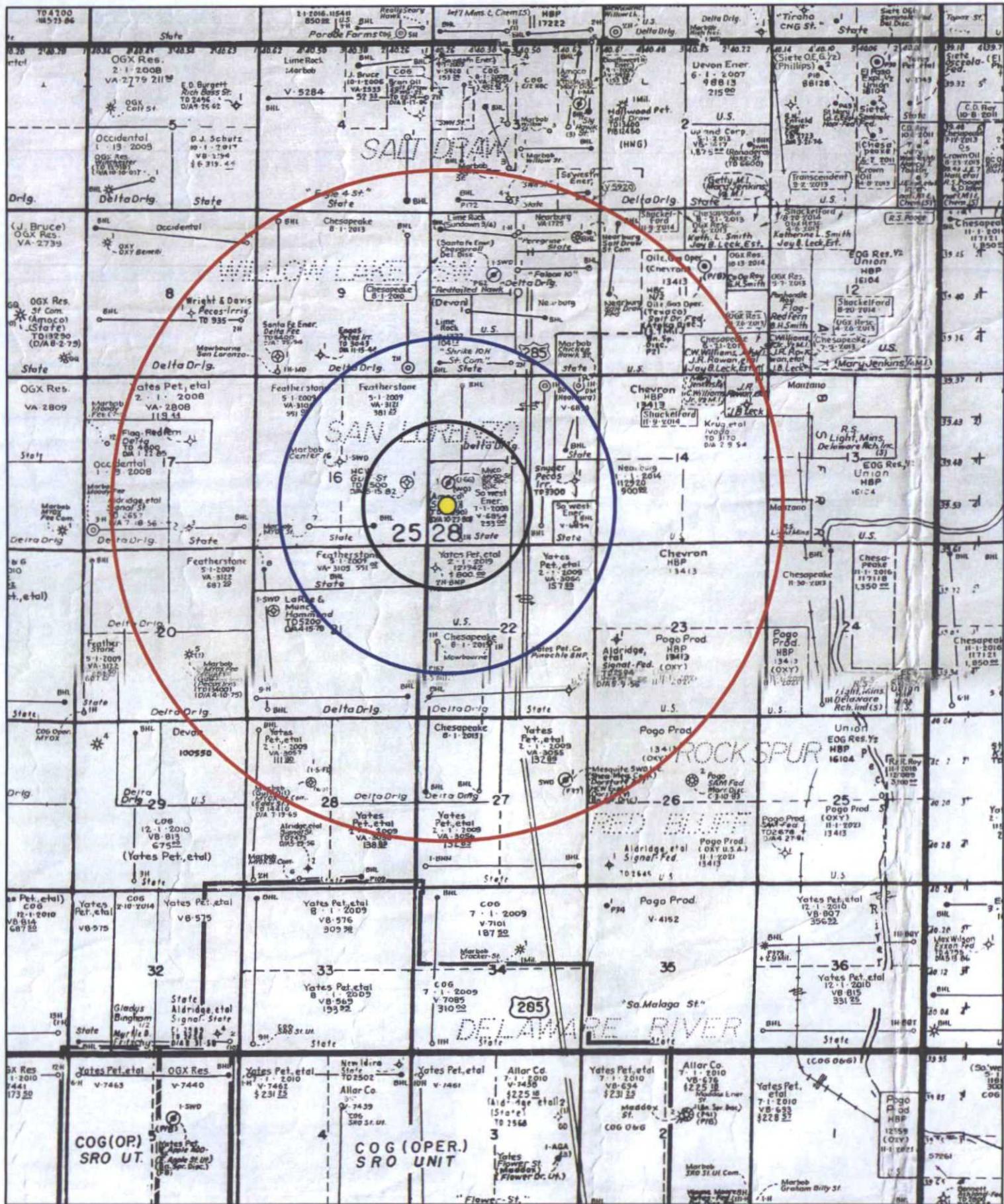
1 API Number		2 Pool Code		3 Pool Name					
4 Property Code		5 Property Name SAN LORENZO SWD						6 Well Number 2	
7 GRID NO.		8 Operator Name MEWBOURNE OIL COMPANY						9 Elevation 2989'	
10 Surface Location									
UL or lot no. L	Section 15	Township 25S	Range 28E	Lot Idn	Feet from the 1575	North/South line SOUTH	Feet From the 590	East/West line WEST	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.

N 89°50'24" E 2673.19'

N 89°54'53" E 2662.60'

	<p>16 (B) (C) (D)</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>4-19-2016 Date of Survey</p> <p>Signature and Seal of Professional Surveyor _____</p> <p>19680 Certificate Number</p>



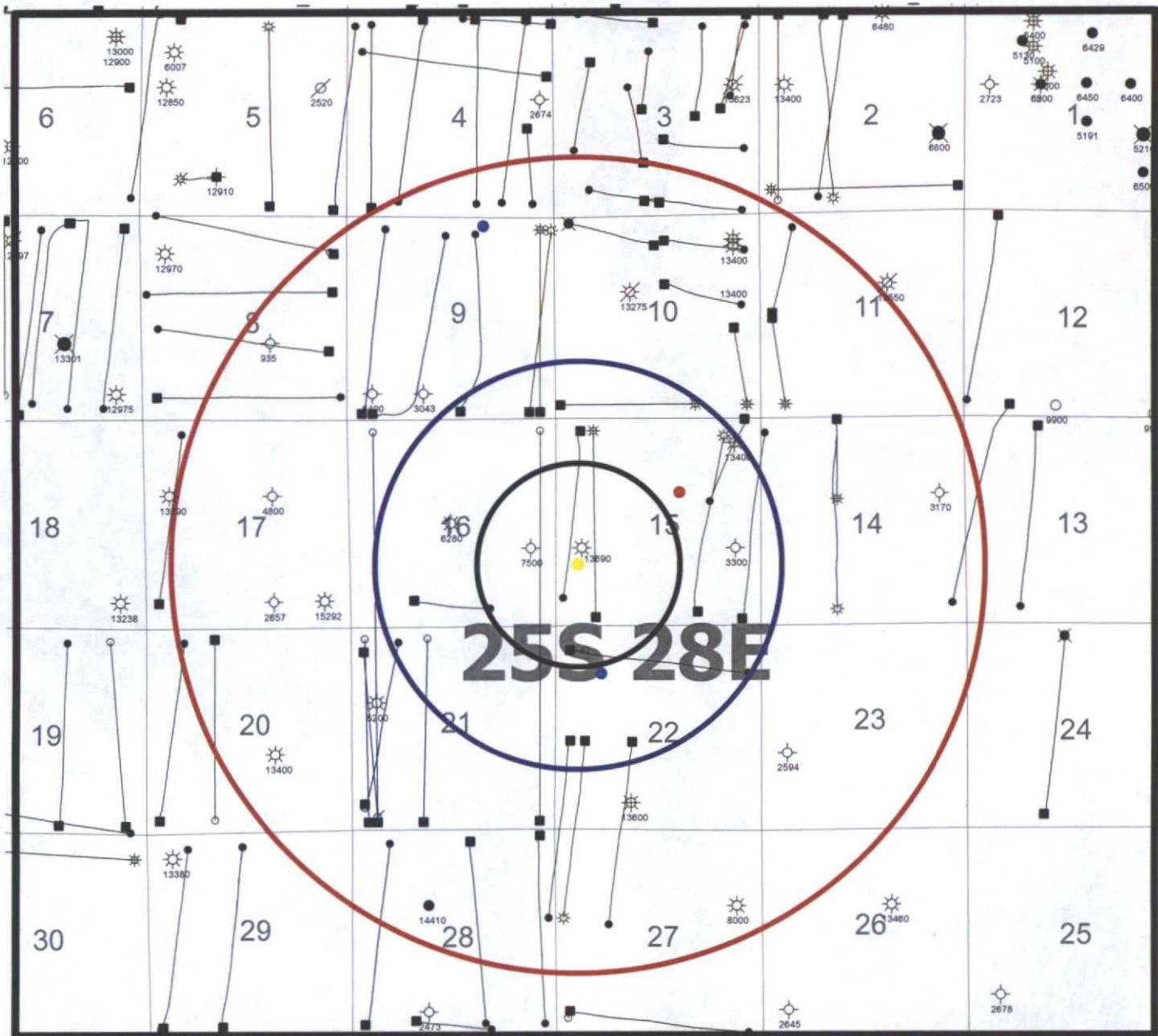
1 inch = 4,000 feet

- 1/2 MILE AREA OF REVIEW
- 1 MILE AREA OF REVIEW
- 2 MILE AREA OF REVIEW

MOC Mewbourne Oil Company

SAN LORENZO SWD # 2 APPLICATION
 28S - 28E SEC. 15
 EDDY, NEW MEXICO

Author: ad	Date: 2 May, 2016
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1" = 4000'



	1/2 MILE AREA OF REVIEW
	1 MILE AREA OF REVIEW
	2 MILE AREA OF REVIEW

 DOCUMENTED FRESH WATER WELLS FROM NEW MEXICO OFFICE OF STATE ENGINEER

 UNDOCUMENTED WATER WELL

 Mewbourne Oil Company		
SAN LORENZO SWD #2 PROPOSAL 25S - 28E - 15 EDDY NEW MEXICO		
Tech: Steve Daughtry		Date: 27 April, 2016
Scale: 1"=4000'		

TABULATION OF FRESH WATER WELLS WITHIN A 9 SECTION GRID
 SAN LORENZO SWD #2

POD Number	Drilling Date	County	q64	q16	q4	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column	Comments			
C 01522	BARRON, EMMETT	9/10/1974	EDDY			NW	22	25S	28E	586843	3554004	32.119063	-104.079418	150			
C 02668	CONES, RICKEY	11/8/1999	EDDY	NE	NW	NW	09	25S	28E	585890	3557525	32.150897	-104.089203	150			Plugged
Undocumented	Drilling Date	County	q64	q16	q4	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column	Comments			
	NA	NA	EDDY		SW	NE	15	25S	28E			32.131925	-104.072817	NA	NA	NA	windmill

Endura Products Corp.
P.O. Box 3394, Midland, Texas 79702
Phone (432) 684-4233 Fax (432) 684-4277

WATER ANALYSIS

Date **5/9/2016** Endura Rep **Michael McNeil**
Sampling Point/Date **Flowline 5/5/2016**
Company **Mewbourne Oil**
Formation **Lease San Lorenzo**

Code **105021552**
State **New Mexico**
County **Eddy**
Well **#SWD Off set**

Fresh Water Sample

.58 miles NE
32.13925
-104.072817

DISSOLVED SOLIDS

CATIONS

	mg/l	me/l
Sodium, Na+ (Calc.)	161	7
Total Hardness as Ca++	1,225	0
Calcium Ca++	603	30
Magnesium, Mg++	379	32
Barium, Ba++	0	0
Iron (Total) Fe+++*	0	0

ANIONS

Chlorides, Cl-	1,050	30
Sulfate, SO4-	1,600	33
Carbonate, CO3-	0	0
Bicarbonates, HCO3-	366	6
Sulfide, S-*	0	0
Total Dissolved Solid	4,159	

OTHER PROPERTIES

pH*	8.100
Specific Gravity, 60/60 F.	1.003
Turbidity	25

SCALING INDICIES

<u>TEMP. F</u>	<u>CA CO3</u>	<u>ASO4*2H2O</u>	<u>CA SO4</u>	<u>BA SO4</u>
80	1.3957	-0.1609	-0.3055	-28.2471
120	1.6533	-0.1697	-0.1338	-28.4650
160	1.9707	-0.1389	0.0696	-28.6062

PERFORATIONS

Endura Products Corp.
P.O. Box 3394, Midland, Texas 79702
Phone (432) 684-4233 Fax (432) 684-4277

WATER ANALYSIS

Date **5/9/2016** Endura Rep **Michael McNeil** Code **105021553**
Sampling Point/Date **well head 5/5/2016** State **New Mexico**
Company **Mewbourne Oil** County **Eddy**
Formation **Lease San Lorenzo 22-27 Lee Fee** Well **#1H**

BONE SPRING PRODUCER

DISSOLVED SOLIDS

CATIONS

	mg/l	me/l
Sodium, Na+ (Calc.)	50,025	2,175
Total Hardness as Ca++	26,350	0
Calcium Ca++	8,396	420
Magnesium, Mg++	10,948	912
Barium, Ba++	0	0
Iron (Total) Fe+++*	35	2

ANIONS

Chlorides, Cl-	124,200	3,499
Sulfate, SO4-	300	6
Carbonate, CO3-	0	0
Bicarbonates, HCO3-	244	4
Sulfide, S-*	0	0
Total Dissolved Solid	194,148	

OTHER PROPERTIES

pH*	6.400
Specific Gravity, 60/60 F.	1.125
Turbidity	124

SCALING INDICIES

<u>TEMP, F</u>	<u>CA CO3</u>	<u>ASO4*2H2O</u>	<u>CA SO4</u>	<u>BA SO4</u>
80	0.8029	-0.6543	-0.9523	-29.4125
120	1.2508	-0.6732	-0.7908	-29.5830
160	1.9340	-0.7131	-0.6580	-29.8042

PERFORATIONS

Endura Products Corp.
P.O. Box 3394, Midland, Texas 79702
Phone (432) 684-4233 Fax (432) 684-4277

WATER ANALYSIS

Date	5/9/2016	Endura Rep	Michael McNeil	Code	105021551
Sampling Point/Date	5/5/2016			State	New Mexico
Company	Mewbourne Oil			County	Eddy
Formation		Lease	San Lorenzo	Well	#150B

Wolfcamp Shale Producer

DISSOLVED SOLIDS

CATIONS

	mg/l	me/l
Sodium, Na+ (Calc.)	31,625	1,375
Total Hardness as Ca++	5,750	0
Calcium Ca++	2,704	135
Magnesium, Mg++	1,857	155
Barium, Ba++	0	0
Iron (Total) Fe+++*	49	3

ANIONS

Chlorides, Cl-	58,950	1,661
Sulfate, SO4-	25	1
Carbonate, CO3-	0	0
Bicarbonates, HCO3-	366	6
Sulfide, S-*	0	0
Total Dissolved Solid	95,576	

OTHER PROPERTIES

pH*	6.670
Specific Gravity, 60/60 F.	1.070
Turbidity	418

SCALING INDICIES

<u>TEMP. F</u>	<u>CA CO3</u>	<u>ASO4*2H2O</u>	<u>CA SO4</u>	<u>BA SO4</u>
80	-0.0915	-2.1556	-2.3544	-29.1476
120	0.2286	-2.1669	-2.1853	-29.3708
160	0.7233	-2.1718	-2.0176	-29.5986

PERFORATIONS

Listing of Notified Persons

San Lorenzo SWD #2 Application
1575 FSL & 590 FWL
Section 15, T25S, R28E, Eddy County, NM

Surface Owner

New Mexico State Land Office
310 Old Santa Fe Trail
Santa Fe, NM 87504

Offsetting Operators

COG Operating LLC
One Concho Center
600 W. Illinois Ave
Midland, TX 79701

Yates Petroleum Corporation
105 S. 4th Street
Artesia, NM 88210

The newspapers of **New Mexico** make public notices from their printed pages available electronically in a single database for the benefit of the public. This enhances the legislative intent of public notice - keeping a free and independent public informed about activities of their government and business activities that may affect them. Importantly, Public Notices now are in one place on the web (www.PublicNoticeAds.com), not scattered among thousands of government web pages.

County: Eddy
Printed In: Carlsbad Current-Argus
Printed On: 2016/05/12

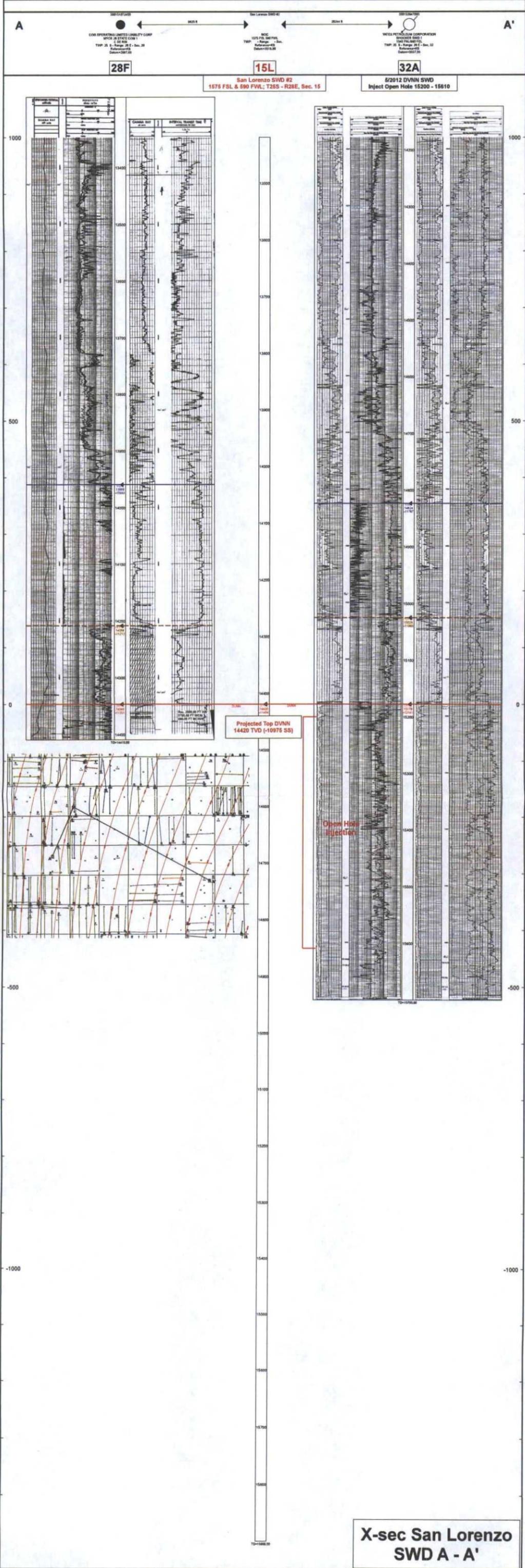
May 12, 2016

PUBLIC NOTICE:

Mewbourne Oil Company has filed an application with the New Mexico Oil Conservation Division seeking approval to dispose of produced water in the San Lorenzo SWD #2 located 1575 feet from the South line and 590 feet from the West line (NW/SW) of Section 15, Township 25 South, Range 28 East, NMPM, Eddy County, New Mexico, into the Devonian, Fusselman and Montoya. The projected injection interval occurs from a depth of 14,420 feet to 15,850 feet. Expected maximum injection rates are 25,000 BWPD at a maximum injection pressure of 2884 psi. If you object to the application, you must file a written request for hearing with the Division within 15 days of this date of notice is published. The Division's address is 1220 South St. Francis Drive, Santa Fe, New Mexico 87505. Failure to object will preclude you from contesting this matter at a later date. The name and address of the contact party for the applicant is
Tim Harrington, Mewbourne Oil Company, 3620 Old Bullard Road Tyler, Texas 75701, (903) -534-7647. The well is located approximately 11 miles South of Loving, New Mexico.

Public Notice ID:

Printed off New Mexico Press Association website.



CON OPERATING LIMITED LIABILITY CORP
WYOMING STATE COMPANY
C/O WYOMING
TWP. 25 S. Range 28 E. Sec. 15
Submerged
Date: 10/17/05

SEC
1575 FSL SWD FWS
R28E
T25S
Submerged
Date: 10/17/05

WYOMING PETROLEUM CORPORATION
SPOONER 590
590 FWS SWD FWS
TWP. 25 S. Range 28 E. Sec. 15
Submerged
Date: 10/17/05

San Lorenzo SWD #2
1575 FSL & 590 FWL; T25S - R28E, Sec. 15

5/2012 DVNN SWD
Inject Open Hole 15200 - 15610

Projected Top DVNN
14420 TVD (-10975 SS)

Open Hole Injection

X-sec San Lorenzo SWD A - A'

RECEIVED OGD

2016 MAY 16 PM 2:29

May 13, 2016

New Mexico Oil Conservation Division
Engineering Bureau
1220 South St. Francis Dr.
Santa Fe, NM 87505

Re: C-108 Application for SWD Well
San Lorenzo SWD #2
Township 25 South, Range 28 East
Section 15, 1575' FSL & 590' FWL
Eddy County, New Mexico

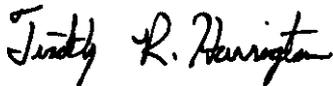
Enclosed are an original and one copy of Mewbourne Oil Company's C-108 Application for administrative approval of its proposed San Lorenzo #2 SWD. This is a new-drill salt water disposal well located in Sec 15, Twp 25S, Rge 28E, N.M.P.M., Eddy County, New Mexico.

Notifications were sent to offset operators and the surface owner on May 10 and confirmations of receipt will be mailed to you next week. The public notice was published in the Carlsbad TimesArgus on May 12 and an official "Proof of Notice" (online Public Notice attached) will be forwarded to you upon receipt.

Should you have any questions, please contact us at (903) 534-7647.

Sincerely yours,

MEWBOURNE OIL COMPANY



Tim Harrington
Reservoir Engineer
tharrington@mewbourne.com



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced, O=orphaned, C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest) (NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
C 00024	O		ED	3	22	23S	28E			586682	3572629*	242	48	194
C 00048		CUB	ED	3	3	1 23	23S	28E		587997	3573160	182	75	107
C 00048	C	CUB	ED	3	3	1 23	23S	28E		587997	3573160	182	75	107
C 00072		CUB	ED	3	3	1 15	23S	28E		586364	3574760*	120	54	66
C 00094		C	ED	3	4	2 22	23S	28E		587588	3573151*	100	60	40
C 00094	C	C	ED	3	4	2 22	23S	28E		587588	3573151*	100	60	40
C 00094 A	C	C	ED	3	4	2 22	23S	28E		587588	3573151*	166	40	126
C 00094 AS	C	C	ED	1	3	2 22	23S	28E		587183	3573346*	165	40	125
C 00128		C	ED	2	4	4 15	23S	28E		587783	3574162*	149		
C 00154		C	ED	4	2	1 23	23S	28E		588595	3573566*	196	38	158
C 00154 CLW194067	O		ED	3	2	1 23	23S	28E		588395	3573566*	150	65	85
C 00211		C	ED	4	3	3 15	23S	28E		586570	3573949*	89	48	41
C 00235		C	ED		2	2 15	23S	28E		587676	3575280*	160		
C 00269		C	ED	4	4	2 15	23S	28E		587778	3574773*	240	35	205
C 00269 CLW199753	O		ED	4	4	2 15	23S	28E		587778	3574773*	240	35	205
C 00311		C	ED	4	2	1 16	23S	28E		585353	3575152*	163	55	108
C 00315		C	ED	3	1	3 11	23S	28E		587973	3575995*	100	45	55
C 00321		C	ED		4	2 15	23S	28E		587679	3574874*	120		
C 00326		C	ED	3	3	3 10	23S	28E		586358	3575572*	130	19	111
C 00326 CLW196238	O		ED	3	3	3 10	23S	28E		586358	3575572*	196	25	171
C 00327		CUB	ED	3	2	4 21	23S	28E		585974	3572728*	212		
C 00443		C	ED	4	2	4 22	23S	28E		587790	3572745*	171	160	11
C 00453		C	ED	2	2	4 22	23S	28E		587790	3572945*	65		
C 00512		C	ED	4	1	1 11	23S	28E		588188	3576775	175	15	160
C 00512 CLW198323	O		ED	4	1	1 11	23S	28E		588167	3576806*	100		
C 00512 EXPL	O		ED		1	11 23S	28E			588272	3576703*	200	16	184

*UTM location was derived from PLSS - see Help

(A CLW##### in the
POD suffix indicates the
POD has been replaced
& no longer serves a
water right file.)

(R=POD has
been replaced,
O=orphaned,
C=the file is
closed) (quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
C 00512 S	C	ED	4	1	1	11	23S	28E	588167	3576806*	100			
C 00520	C	ED	1	1	3	16	23S	28E	584754	3574538*	115	33	82	
C 00521	C	ED	1	1	3	16	23S	28E	584754	3574538*	218	33	185	
C 00539	C	ED	3	3	3	21	23S	28E	584767	3572308*	28	6	22	
C 00544	C	ED	3	3	1	21	23S	28E	584762	3573120*	27			
C 00577	C	ED	3	1	3	21	23S	28E	584764	3572714*	35	10	25	
C 00578	C	ED	3	1	3	21	23S	28E	584764	3572714*	28	18	10	
C 00608	C	ED	3	3	1	11	23S	28E	587970	3576401*	200			
C 00616		ED	1	3	1	14	23S	28E	587982	3574978*	120	30	90	
C 00643	C	ED	3	1	3	21	23S	28E	584764	3572714*	76	10	66	
C 00650	C	ED	1	3	3	21	23S	28E	584767	3572508*	32	12	20	
C 00716	C	ED				21	23S	28E	585471	3573012*	140	69	71	
C 00800	C	ED	4	2	09	23S	28E	586050	3576479*	200	30	170		
C 00869		ED	3	3	4	22	23S	28E	587188	3572335*	360			
C 00869 S-2	O	ED	3	3	23	23S	28E	588097	3572444*	150	58	92		
C 01102	C	ED	1	2	23	23S	28E	588901	3573672*	100	12	88		
C 01108	C	ED	3	2	1	23	23S	28E	588395	3573566*	60	35	25	
C 01253		ED	1	3	1	22	23S	28E	586375	3573338*	179	50	129	
C 01336	C	ED	2	1	1	22	23S	28E	586572	3573744*	190	30	160	
C 01487		ED	3	4	1	22	23S	28E	586779	3573142*	150	38	112	
C 01487 CLW201796	O	ED	3	2	22	23S	28E	587284	3573247*	90	30	60		
C 01816	C	ED	1	3	1	23	23S	28E	587992	3573355*	200	40	160	
C 01870	C	ED	4	3	22	23S	28E	586885	3572432*	105	48	57		
C 01872	C	ED	2	1	22	23S	28E	586878	3573649*	68	48	20		
C 01885	C	ED	2	2	21	23S	28E	586070	3573640*	104	35	69		
C 02189	C	ED	1	1	3	14	23S	28E	587985	3574572*	48	29	19	
C 02503	C	ED	4	2	15	23S	28E	587679	3574874*	70	12	58		
C 02796		ED	2	3	22	23S	28E	586882	3572838*	200				
C 02847		ED	2	1	4	22	23S	28E	587386	3572941*	80			

*UTM location was derived from PLSS - see Help

(A CLW##### in the
 POD suffix indicates the
 POD has been replaced
 & no longer serves a
 water right file.)

(R=POD has
 been replaced,
 O=orphaned,
 C=the file is
 closed) (quarters are 1=NW 2=NE 3=SW 4=SE)
 (quarters are smallest to largest) (NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	64.16.4	Q Q Q	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column	
C 02848			ED	3	3	1	21	23S	28E	584762	3573120*	130		
C 02849			ED	2	1	4	22	23S	28E	587386	3572941*	60		
C 03460 POD1	C		ED	3	1	2	14	23S	28E	588857	3575004	100	38	62
C 03469 POD1	C		ED	3	4	3	11	23S	28E	588374	3575538	68	38	30
C 03469 POD2	C		ED	3	4	3	11	23S	28E	588382	3575506	48		
C 03469 POD3	C		ED	3	4	3	11	23S	28E	588381	3575538	47		
C 03762 POD3		CUB	ED	4	2	2	16	23S	28E	586203	3574642	40	30	10

Average Depth to Water: 39 feet

Minimum Depth: 6 feet

Maximum Depth: 160 feet

Record Count: 62

PLSS Search:

Section(s): 9-11, 14-16, 21- Township: 23S Range: 28E

23

*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

May 10, 2016

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

Re: San Lorenzo SWD #2

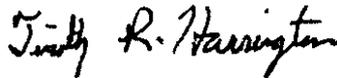
Mr. Goetze,

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 tharrington@mewbourne.com or call me at (903) 534-7647.

Sincerely yours,

MEWBOURNE OIL COMPANY

A handwritten signature in black ink that reads "Tim Harington". The signature is written in a cursive style with a large initial "T" and "H".

Tim Harington
Reservoir Engineer

McMillan, Michael, EMNRD

From: Tim Harrington <tharrington@mewbourne.com>
Sent: Sunday, May 22, 2016 10:26 AM
To: McMillan, Michael, EMNRD
Subject: RE: San Lorenzo SWD Well No. 2 Administrative SWD application
Attachments: San Lorenzo 2 SWD application certification .pdf

Attached is a PDF of the letter. I will send you the original tomorrow. Below are the projected tops. Thanks.

What are your projected tops for

- Devonian **14420'**
- Woodford (top and bottom) **14270' – 14420'**
- Lower Miss **14060'-14270'**

Tim Harrington

Reservoir Engineer
Mewbourne Oil Company
3620 Old Bullard Road
PO Box 7698
Tyler, TX 75701

W- 903-561-2900 (Ext 7647)
C – 832-217-6852
tharrington@mewbourne.com

From: McMillan, Michael, EMNRD [mailto:Michael.McMillan@state.nm.us]
Sent: Wednesday, May 18, 2016 5:15 PM
To: Tim Harrington
Cc: Travis Cude; Paul Haden
Subject: RE: San Lorenzo SWD Well No. 2 Administrative SWD application

I did not see a signed statement by Tim that there is no connection between sources of groundwater and faulting Mike

From: McMillan, Michael, EMNRD
Sent: Wednesday, May 18, 2016 4:03 PM
To: 'tharrington@mewbourne.com'
Cc: 'Travis Cude'; 'Paul Haden'
Subject: RE: San Lorenzo SWD Well No. 2 Administrative SWD application

What are your projected tops for

- Devonian
- Woodford (top and bottom)
- Lower Miss

Thanks

Mike

From: McMillan, Michael, EMNRD
Sent: Wednesday, May 18, 2016 3:41 PM
To: 'tharrington@mewbourne.com'
Cc: 'Travis Cude'; 'Paul Haden'
Subject: San Lorenzo SWD Well No. 2 Administrative SWD application

Tim:

I need the following:

- Affidavit of publication
- *Proof of mailings to the surface owner, and affected parties.*

The sooner I receive these, the quicker I can process, especially since it is a Devonian SWD.

Thank You

Michael A. McMillan

Engineering and Geological Services Bureau, Oil Conservation Division
1220 South St. Francis Dr., Santa Fe NM 87505
O: 505.476.3448 F. 505.476.3462
Michael.mcmillan@state.nm.us

Linda Stafford

From: Tim Harrington
Sent: Wednesday, May 18, 2016 7:37 AM
To: Linda Stafford
Subject: Fw: Document Delivered

Here's yates.

From: webmaster@simplecertifiedmail.com <webmaster@simplecertifiedmail.com>
Sent: Tuesday, May 17, 2016 3:48:45 PM
To: Tim Harrington
Subject: Document Delivered

A document with a tracking code of 9414810699945015387775 and reference number of was successfully delivered to Yates Petroleum Corporation.

Tracking number
Time Harrington 9474 8106 9994 5015 3877 75



Shipment Confirmation
Acceptance Notice

A. Mailer Action

Note To Mailer: The labels and volume associated to this form online, must match the labeled packages being presented to the USPS® employee with this form.

Shipment Date: 5/11/2016

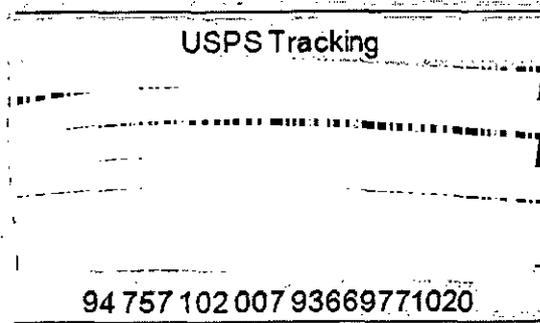
Shipped From: SimpleCertifiedMail.com
Name: Charles Crutchfield
Address: P.O. Box 7698
City: Tyler
State: TX ZIP+4® 75711

Type of Mail	Volume
Priority Mail Service®	0
Priority Mail Express Service®	0
International Mail®	0
Other	1
Total Volume	1

*Start time for products with service guarantees will begin when mail arrives at the local Post Office™ and items receive individual processing and acceptance scans.

B. USPS Action

USPS EMPLOYEE: Please scan upon pickup or receipt of mail. Leave form with customer or in customer's mail receptacle.



Linda Stafford

From: Tim Harrington
Sent: Wednesday, May 18, 2016 7:36 AM
To: Linda Stafford
Subject: Fw: Document Delivered

Here's cog.

From: webmaster@simplecertifiedmail.com <webmaster@simplecertifiedmail.com>
Sent: Tuesday, May 17, 2016 3:48:45 PM
To: Tim Harrington
Subject: Document Delivered

A document with a tracking code of 9414810699945015388055 and reference number of was successfully delivered to COG Operating LLC.

Tracking Number
Tim Harrington 9414 8106 9994 5015 3880 55



Shipment Confirmation
Acceptance Notice

A. Mailer Action

Note To Mailer: The labels and volume associated to this form online, must match the labeled packages being presented to the USPS® employee with this form.

Shipment Date: 5/11/2016

Shipped From: SimpleCertifiedMail.com
Name: Charles Crutchfield
Address: P.O Box 7698
City: Tyler
State: TX ZIP+4® 75711

Type of Mail	Volume
Priority Mail Service®	0
Priority Mail Express Service®	0
International Mail®	0
Other	1
Total Volume	1

*Start time for products with service guarantees will begin when mail arrives at the local Post Office™ and items receive individual processing and acceptance scans.

B. USPS Action

USPS EMPLOYEE: Please scan upon pickup or receipt of mail. Leave form with customer or in customer's mail receptacle.

USPS Tracking

94 757 102 007 93669771457

Linda Stafford

From: Tim Harrington
Sent: Wednesday, May 18, 2016 7:38 AM
To: Linda Stafford
Subject: Fw: Document Delivered

Here's NM state land office.

From: webmaster@simplecertifiedmail.com <webmaster@simplecertifiedmail.com>
Sent: Tuesday, May 17, 2016 3:48:45 PM
To: Tim Harrington
Subject: Document Delivered

A document with a tracking code of 9414810699945015386891 and reference number of was successfully delivered to New Mexico State Land Office.

Tracking Number 9414 8106 999 4 5015 3868 91



Shipment Confirmation
Acceptance Notice

A. Mailer Action

Note To Mailer: The labels and volume associated to this form online, must match the labeled packages being presented to the USPS® employee with this form.

Shipment Date: 5/11/2016

Shipped From: SimpleCertifiedMail.com

Name: Charles Crutchfield

Address: P O Box 7698

City: Tyler

State: TX ZIP+4® 75711

Type of Mail	Volume
Priority Mail Service®	0
Priority Mail Express Service®*	0
International Mail*	0
Other	1
Total Volume	1

*Start time for products with service guarantees will begin when mail arrives at the local Post Office™ and items receive individual processing and acceptance scans.

B. USPS Action

USPS EMPLOYEE: Please scan upon pickup or receipt of mail. Leave form with customer or in customer's mail receptacle.

USPS Tracking

94 757 102 007 93669769027

TOP OF PROPOSED
DISPOSAL INTERVAL

14420

Original Operator	Current Operator	Location	Footage	Field Name	State	County Name	Status	Final Status	IP Prod Form Name	Driller Id	TVD	Form at TD Name	Oldest Age Penetrated Name	Proj Depth	Proj Form	Permit Date	Spud Date	Comp Date
PROD CO	MELWBOURNE OIL CO	255 28E 15	1980 FSL 660 FWL CONGRESS SECTION	WILDCAT	NM	EDDY	Plugged	D&A-OG		13690	13690	MORROW	PENNSYLVANIAN MORROWAN	13750	MORROW	1979-12-02	1979-12-12	1980-10-27
INDUSTRIES INC	MELWBOURNE OIL CO	255 28E 15	1980 FSL 660 FWL CONGRESS SECTION	SAN LORENZO	NM	EDDY	Plugged	OIL-WO	BONE SPRING	13690	13690	MORROW	PENNSYLVANIAN MORROWAN	7500	BONE SPRING	1985-07-14	1985-07-24	1985-07-27
OURNE OIL CO	MELWBOURNE OIL CO	255 28E 15	1980 FSL 660 FWL CONGRESS SECTION	SWD	NM	EDDY	Active	SERW		13690	13690	PENNSYLVANIAN	PENNSYLVANIAN UNDIFFERENTIATED	6300	DELAWARE	2012-09-21	2012-12-08	2013-01-08
OURNE OIL CO	MELWBOURNE OIL CO	255 28E 15	1300 FWL 660 FWL CONGRESS SECTION	UNNAMED	NM	EDDY	Active	OIL	WOLFCAMP	14560	10518	WOLFCAMP	PERMIAN WOLFCAMPIAN	14790	WOLFCAMP	2012-06-19	2012-07-23	2012-12-06
PLORATION INC	HCW EXPLORATION INC	255 28E 16	1980 FSL 660 FEL CONGRESS SECTION	WILDCAT	NM	EDDY	Plugged	D&A		7500	7500	BONE SPRING	PERMIAN LEONARDIAN	8400	BONE SPRING	1981-10-24	1981-11-03	1982-05-15
ENRGY CORP	COG OPERATING LLC	255 28E 16 W2 SE SW	660 FSL 1650 FWL CONGRESS SECTION	SAN LORENZO	NM	EDDY	Active	OIL	BONE SPRING	8836	7113	BONE SPRING	PERMIAN LEONARDIAN	10100	BONE SPRING	2009-04-03	2009-04-21	2009-07-19
ERATING LLC	COG OPERATING LLC	255 28E 21	190 FSL 380 FEL CONGRESS SECTION	SAN LORENZO	NM	EDDY	Permit	PERMIT						9480	BONE SPRING	2013-10-17		
ERATING LLC	COG OPERATING LLC	255 28E 21	190 FSL 380 FEL CONGRESS SECTION	SAN LORENZO	NM	EDDY	Permit	PERMIT						18003	BONE SPRING	2013-10-17		
PETROLEUM CORP	YATES PETROLEUM CORP	255 28E 22 NW NW	660 FSL 330 FWL CONGRESS SECTION	SAN LORENZO	NM	EDDY	Pilot	PILOT		7500	7418	BONE SPRING	PERMIAN LEONARDIAN	7500	BONE SPRING	2010-11-30	2010-12-18	2010-12-30
PETROLEUM CORP	YATES PETROLEUM CORP	255 28E 22 NW NW	660 FSL 330 FWL CONGRESS SECTION	SAN LORENZO	NM	EDDY	Active	OIL-WO	BONE SPRING	11330	6904	BONE SPRING	PERMIAN LEONARDIAN	11265	BONE SPRING	2010-11-30	2010-12-30	2011-03-09
ERATING LLC	COG OPERATING LLC	255 28E 15	190 FSL 990 FWL CONGRESS SECTION	SAN LORENZO	NM	EDDY	Cancel	AB-LOC						12810	BONE SPRING	2012-09-20		

NO WELLS PENETRATE THE PROPOSED DISPOSAL INTERVAL

Affidavit of Publication

State of New Mexico,
County of Eddy, ss.

Erin Coats Smith, being first duly
sworn, on oath says:

That she is the Publisher 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:

May 12 _____ 2016

That the cost of publication is **\$73.49**
and that payment thereof has been
made and will be assessed as court
costs.

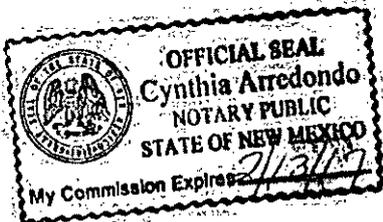
Erin Coats Smith

Subscribed and sworn to before me
this 12 day of May
2016

Cynthia Arredondo

My commission Expires
2/13/17

Notary Public



May 12, 2016
PUBLIC NOTICE
Mewbourne Oil Company has filed an application with the New Mexico Oil Conservation Division seeking approval to dispose of produced water in the San Lorenzo SWD #2 located 1575 feet from the South line and 590 feet from the West line (NW/SW) of Section 15, Township 25 South, Range 28 East, NMPM, Eddy County, New Mexico, into the Devonian Fusselman and Montoya. The projected injection interval occurs from a depth of 14,420 feet to 15,850 feet. Expected maximum injection rates are 25,000 BWPD at a maximum injection pressure of 2884 psi. If you object to the application, you must file a written request for hearing with the Division within 15 days of this date of notice is published. The Division's address is 1220 South St. Francis Drive, Santa Fe, New Mexico 87505. Failure to object will preclude you from contesting this matter at a later date. The name and address of the contact party for the applicant is Tim Harrington, Mewbourne Oil Company, 3620 Old Bullard Road, Tyler, Texas 75701, (903) 534-7647. The well is located approximately 11 miles South of Lovington, New Mexico.



C-108 Review Checklist: Received 5/11/2016 Add. Request: 5/18/2016 Reply Date: _____ Suspended: _____ [Ver 15]

ORDER TYPE: WFX / PMX / SWD Number: _____ Order Date: _____ Legacy Permits/Orders: _____

Well No. 2 Well Name(s): SAN LORENZO SWD

API: 30-0 15-pending Spud Date: T1310 New or Old: 0 (UIC Class II Primacy 03/07/1982)

Footages _____ Lot _____ or Unit L Sec 15 Tsp 255 Rge 28E County Eddy

General Location: 26 miles South of Hobbs Pool: Devonian Pool No.: 97803

BLM 100K Map: CARLSBAD Operator: MENBOURNE OIL COMPANY OGRID: 14744 Contact: Tim Harrington

COMPLIANCE RULE 5.9: Total Wells: 953 Inactive: 2 Fincl Assur: Y Compl. Order: N/A IS 5.9 OK? Y Date: _____

WELL FILE REVIEWED Current Status: PROPOSED

WELL DIAGRAMS: NEW: Proposed or RE-ENTER: Before Conv. After Conv. Logs in Imaging: _____

Planned Rehab Work to Well: *C-B-L LITEN-SURFACE

Well Construction Details		Sizes (in) Borehole / Pipe	Setting Depths (ft)	Cement Sx or Cf	Cement Top and Determination Method
Planned ___ or Existing ___ Surface		<u>26/20</u>	<u>450</u>	<u>T20</u>	<u>SURFACE / VISUAL</u>
Planned ___ or Existing ___ Interm/Prod		<u>17 3/4 / 13 3/8</u>	<u>245</u>	<u>1140</u>	<u>SURFACE / VISUAL</u>
Planned ___ or Existing ___ Interm/Prod		<u>12 3/4 / 9 5/8</u>	<u>9400</u>	<u>2525</u>	<u>SURFACE / VISUAL</u>
Planned ___ or Existing ___ Prod. liner		<u>8 5/8 / 7</u>	<u>14420</u>	<u>14360</u>	<u>4200</u>
Planned ___ or Existing ___ <u>PERF</u>		<u>14 1/2 / 15 8/32</u>		<u>1430</u>	

Injection Lithostratigraphic Units:	Depths (ft)	Injection or Confining Units	Tops	Completion/Operation Details:	
Adjacent Unit: Litho. Struc. Por.	<u>17600</u>	<u>D-6</u>	<u>17600</u>	Drilled TD <u>15850</u>	PBTD _____
Confining Unit: Litho. Struc. Por.		<u>17600</u>	<u>17600</u>	NEW TD _____	NEW PBTD _____
Proposed Inj Interval TOP:				NEW Open Hole <input type="radio"/>	NEW Perfs <input type="radio"/>
Proposed Inj Interval BOTTOM:				Tubing Size <u>4 1/2</u> in.	Inter Coated? <u>Y</u>
Confining Unit: Litho. Struc. Por.				Proposed Packer Depth <u>14350</u> ft	
Adjacent Unit: Litho. Struc. Por.				Min. Packer Depth <u>14300</u> (100-ft limit)	
				Proposed Max. Surface Press. <u>2884</u> psi	
				Admin. Inj. Press. _____ (0.2 psi per ft)	<u>2884</u>

AOR: Hydrologic and Geologic Information

POTASH: R-111-P N/A Noticed? BLM Sec Ord WIPP Noticed? Salt/Salado T: _____ B: _____ NW: Cliff House fm _____

FRESH WATER: Aquifer Devonian Max Depth 160' HYDRO AFFIRM STATEMENT By Qualified Person

NMOSE Basin: CARLSBAD CAPITAN REEF: thru adj NA No. Wells within 1-Mile Radius? 0 FW Analysis Y (6.58 mi / eq)

Disposal Fluid: Formation Source(s) Bone Springs, WOLF CAMP Analysis? _____ On Lease Operator Only or Commercial

Disposal Int: Inject Rate (Avg/Max BWPD): 10K/25K Protectable Waters? _____ Source: _____ System: Closed or Open

HC Potential: Producing Interval? N/A Formerly Producing? _____ Method: Logs/DST/P&A/Other _____ 2-Mile Radius Pool Map

AOR Wells: 1/2-M Radius Map? Well List? _____ Total No. Wells Penetrating Interval: 0 Horizontals? _____

Penetrating Wells: No. Active Wells 0 Num Repairs? _____ on which well(s)? _____ Diagrams? _____

Penetrating Wells: No. P&A Wells 0 Num Repairs? _____ on which well(s)? _____ Diagrams? _____

NOTICE: Newspaper Date MAY 12 Mineral Owner NMSLU Surface Owner NMSLU N. Date MAY 12 2016

RULE 26.7(A): Identified Tracts? Y Affected Persons: COB, YATES N. Date MAY 12 2016

Order Conditions: Issues: _____

Add Order Cond: _____