

RECEIVED: 02/06/2018	REVIEWER: 	TYPE: SWD	APP NO: PMAM1803839482
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ABOVE THIS TABLE FOR OCD DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION
 - Geological & 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

Applicant: Mewbourne Oil Company

OGRID Number: 14744

Well Name: Hoss 11 SWD #1

API: 30-015-pending 44666

Pool: SWD; DEVONIAN

Pool Code: 96101

SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED BELOW

SWD — 1722

1) TYPE OF APPLICATION: Check those which apply for [A]

A. Location – Spacing Unit – Simultaneous Dedication

☐ NSL

☐ NSP (PROJECT AREA)

☐ NSP (PRORATION UNIT)

☐ SD FEB 06 2018 AM 10:33

B. Check one only for [I] or [II]

[I] Commingling – Storage – Measurement

☐ DHC

☐ CTB

☐ PLC

☐ PC

☐ OLS

☐ OLM

[II] Injection – Disposal – Pressure Increase – Enhanced Oil Recovery

☐ WFX

☐ PMX

☒ SWD

☐ IPI

☐ EOR

☐ PPR

2) NOTIFICATION REQUIRED TO: Check those which apply.

A. ☒ Offset operators or lease holders

B. ☐ Royalty, overriding royalty owners, revenue owners

C. ☒ Application requires published notice

D. ☐ Notification and/or concurrent approval by SLO

E. ☐ Notification and/or concurrent approval by BLM

F. ☒ Surface owner

G. ☒ For all of the above, proof of notification or publication is attached, and/or,

H. ☐ No notice required

FOR OCD ONLY

☒ Notice Complete
☒ Application Content Complete

3) 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

Signature

February 1, 2018

Date

903-534-7647

Phone Number

tharrington@mewbourne.com

e-mail Address

FEB 06 2018 AM 10:33

February 2, 2018

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

Re: C-108 Application for SWD Well
Hoss 11 SWD #1
200' FNL & 215' FEL , Unit A
Section 11, Township 25 South, Range 28 East
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 Hoss 11 SWD #1. Mewbourne plans to drill this well that is located in Sec 11, Twp 25S, Rge 28E, N.M.P.M., Eddy County, New Mexico, and complete as a commercial salt water disposal well in the Devonian formation.

Similar application exhibits were sent to offset operators, mineral owners and the surface owner (distribution list attached) and confirmations of receipt will be e-mailed to you next week. The public notice of this application was published in the Carlsbad Current-Argus on January 21 and an Affidavit of Publication is enclosed.

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

Sincerely yours,

MEWBOURNE OIL COMPANY

A handwritten signature in black ink, appearing to read "Tim R. Harrington".

Tim Harrington
Reservoir Engineer
tharrington@mewbourne.com
903-534-7647

MEWBOURNE OIL COMPANY
HOSS 11 SWD #1
SWD PERMIT APPLICATION

LIST OF ATTACHMENTS:

Administrative Checklist

Form C-108

Hoss 11 SWD #1 well schematic

Hoss 11 SWD #1 survey plat

Well Plat

Tabulation of well within ½ mile radius

Fresh Water well map

Tabulation of nearby fresh water wells – (Source: NM Office of the State Engineer)

Producing Well Water Analysis – Wolfcamp, 2nd Bone Spring & Delaware

Fresh Water Well Water Analysis – POD 1411

Offset Operator Map


Listing of Notified Persons

Affidavit of Publication – Carlsbad Current-Argus

Hydrologic Affirmation

Geological Cross Section

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:  DATE: 2/1/18
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: Hoss 11 SWD #1 (30-015-pending)

WELL LOCATION: 200' FNL & 215' FEL

UNIT LETTER	SECTION	TOWNSHIP	RANGE
A	11	25S	28E

WELLBORE SCHEMATIC (See Attached)

WELL CONSTRUCTION DATA

Surface Casing

Hole Size: 26" Casing Size: 20" @ 450'

Cement with: 720 sx (100% excess) Top of Cement: Surface

Intermediate Casing

Hole Size: 17 1/2" Casing Size: 13 3/8" @ 2550'

Stage 1: 1220 sx (25% excess) Top of Cement: Surface (Calculated)

Production Casing

Hole Size: 12 1/4" Casing Size: 9 5/8" @ 9,600'

Stage 1: 2070 sx (25% excess) Top of Cement: Surface (Calculated)

Production Liner

Hole Size: 8 1/2" Casing Size: 7 5/8" Top @ 9,300' Bottom @ 14,450'

Cement with: 350 sx (25% excess) Top of Cement: 9,300' (Proposed: circulated to liner top)

TD @ 15,650'
Injection Interval
Permitted SWD interval 14,450' -15,650'

INJECTION WELL DATA SHEET

Tubing Size: **5 ½" x 5" HPC-110** Lining Material: **Duoline**

Type of Packer: **4 ½" x 7 5/8" Packer**

Packer Setting Depth: **+/- 14,400'**

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 (2,650, Bone Spring (7,335'), Wolfcamp (9,600'), & Morrow (12,500'),**

Underlying producing zone – **N/A**

Mewbourne Oil Company

Well Name: Hoss 11 SWD #1 - 5 1/2" x 5" Flush Jt Injection String

Updated by: B. Talley

Date Updated: 02/02/2018

26" HOLE

Surface

20" 94#
Set @ 450'
720 sks "C" (100% excess)

17 1/2" HOLE

Intermediate

13 3/4" 61# K-55
Set @ 2550'
1220 sks Lite "C"
(25% excess)

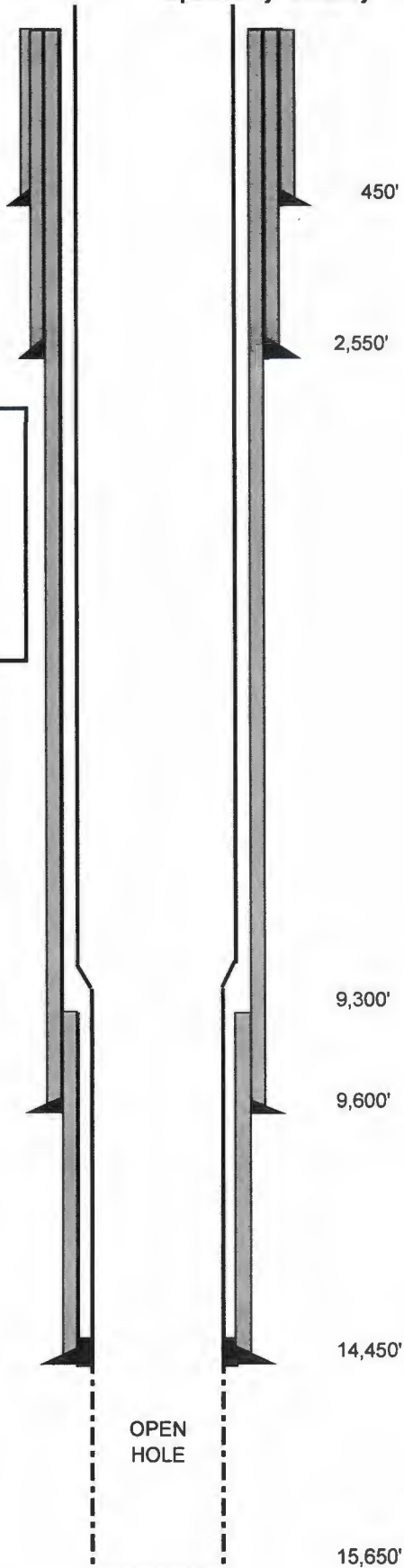
12 1/4" HOLE

Production

9 3/4" 47# HCL80
ID: 8.681"
Drift: 8.525"
Set @ 9600'
1670 sks Lite "C" + 400 sks "H"
(25% excess)

Open Hole

6 1/2" Hole
TD @ 15,650'
Devonian Formation



8 1/2" HOLE

Liner

7 3/4" 39# P110 Liner
ID: 6.625"
Drift: 6.5"
Set @ 14,450'
TOL @ 9,300'
150 sks Lite "C" + 200 sks "H"
(25% excess)

Tubing

5 1/2" 17# HC-P110 flush jt to 9,225'
5" 18# HCP110 flush jt to 14,400'
4 1/2" x 7 3/4" Packer @ 14,400'

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 HOSS 11 SWD			6 Well Number 1
7 OGRID NO.		8 Operator Name MEWBOURNE OIL COMPANY			9 Elevation 2947'

10 Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet From the	East/West line	County
A	11	25S	28E		200	NORTH	215	EAST	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 88°52'10" W 2644.12'</p> <p>S 88°52'25" W 2643.86'</p> <p>200'</p> <p>S.L.</p> <p>215'</p> <p>2663.11'</p> <p>N 00°22'18" W 2663.11'</p> <p>N 00°21'33" E 5281.35'</p> <p>N 89°20'54" E 2644.03'</p> <p>S 89°19'14" W 2644.68'</p> <p>11</p> <p>GEODETIC DATA NAD 83 GRID - NM EAST</p> <p>SURFACE LOCATION N 418987.7 - E 628967.3 LAT: 32.1515588° N LON: 104.0501793° W</p> <p>CORNER DATA NAD 83 GRID NM EAST</p> <p>A: FOUND BRASS CAP "1940" N 413807.6 - E 623928.9</p> <p>B: FOUND BRASS CAP "1940" N 419087.7 - E 623895.2</p> <p>C: FOUND BRASS CAP "1940" N 419139.9 - E 626538.2</p> <p>D: FOUND BRASS CAP "1940" N 419191.8 - E 629181.0</p> <p>E: FOUND BRASS CAP "1940" N 416529.3 - E 629198.2</p> <p>F: FOUND BRASS CAP "1940" N 413869.0 - E 629216.1</p> <p>G: FOUND BRASS CAP "1940" N 413837.7 - E 626572.1</p>		<p>17 OPERATOR CERTIFICATION</p> <p>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</p> <p>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>1-8-2018 Date of Survey</p> <p>Signature and Seal of Professional Surveyor _____</p> <p>19680 Certificate Number</p> <p>ROBERT M. HOWETT NEW MEXICO 19680 1/18/18 PROFESSIONAL SURVEYOR</p>
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Job No.: LS1801019

HOSS 11 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 30,000 bwpd.

2. Closed system.

3. Proposed average injection pressure is unknown and the maximum injection pressure is approximately 2890 psi (0.2 psi/ft x 14,450 ft).

4. This well is being permitted as a commercial SWD, but it is expected that a majority of the injection fluid will be formation water from Mewbourne Oil Company operated wells currently producing or planned in the area. Representative water samples from the Wolfcamp, Bone Spring and Delaware 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 Delaware, 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	IDOB	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	SPGRAV	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 14450' to 15,650'. It is estimated that the base of the injection interval should be approximately 650 above the top of the Ellenburger.

Other Projected Formation Tops:

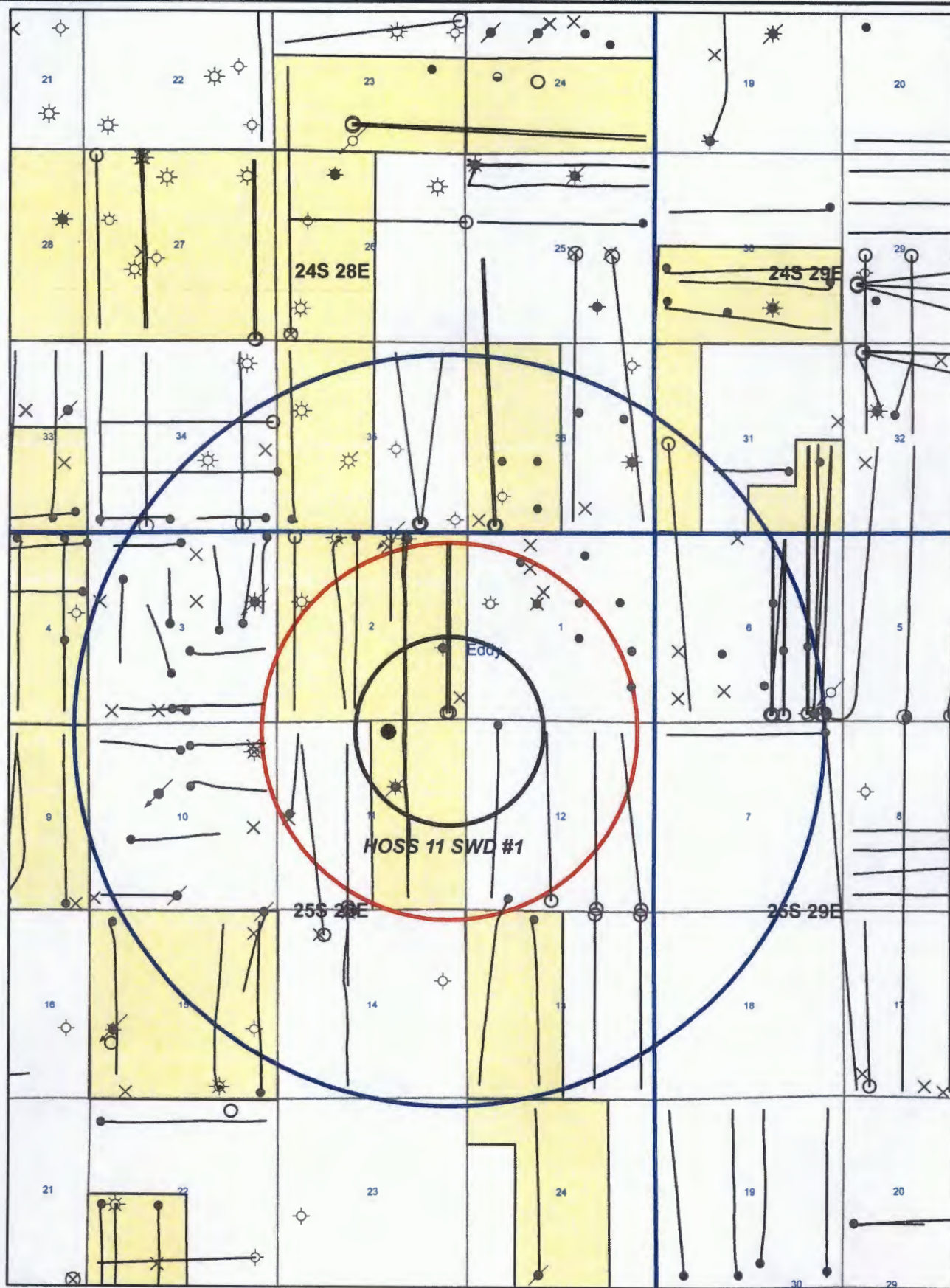
Mississippian	14,150'
Woodford	14,350'
Devonian	14,450'
EST TOTAL DEPTH	15,650
Simpson	15,950'
Ellenburger	16,300'

2. The underground fresh water aquifers (unnamed) are present at shallow depths <100'. There are no known fresh water intervals underlying the injecting formation.

IX. The proposed stimulation is an open-hole acid treatment of 30000 gallons of 15% HCL.


IX. A gamma-ray / neutron log will be run from TD to surface upon the drilling and completion of proposed well.

- X.** There are no water wells on file with the NM State Engineers Office within 1 mile of the proposed SWD well. A fresh water sample was caught and analyzed from a well in SE, NE of Section 4, 25S,28E (POD Number 01411).
- XI.** 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.
- XII.** See attached Proof of Notice

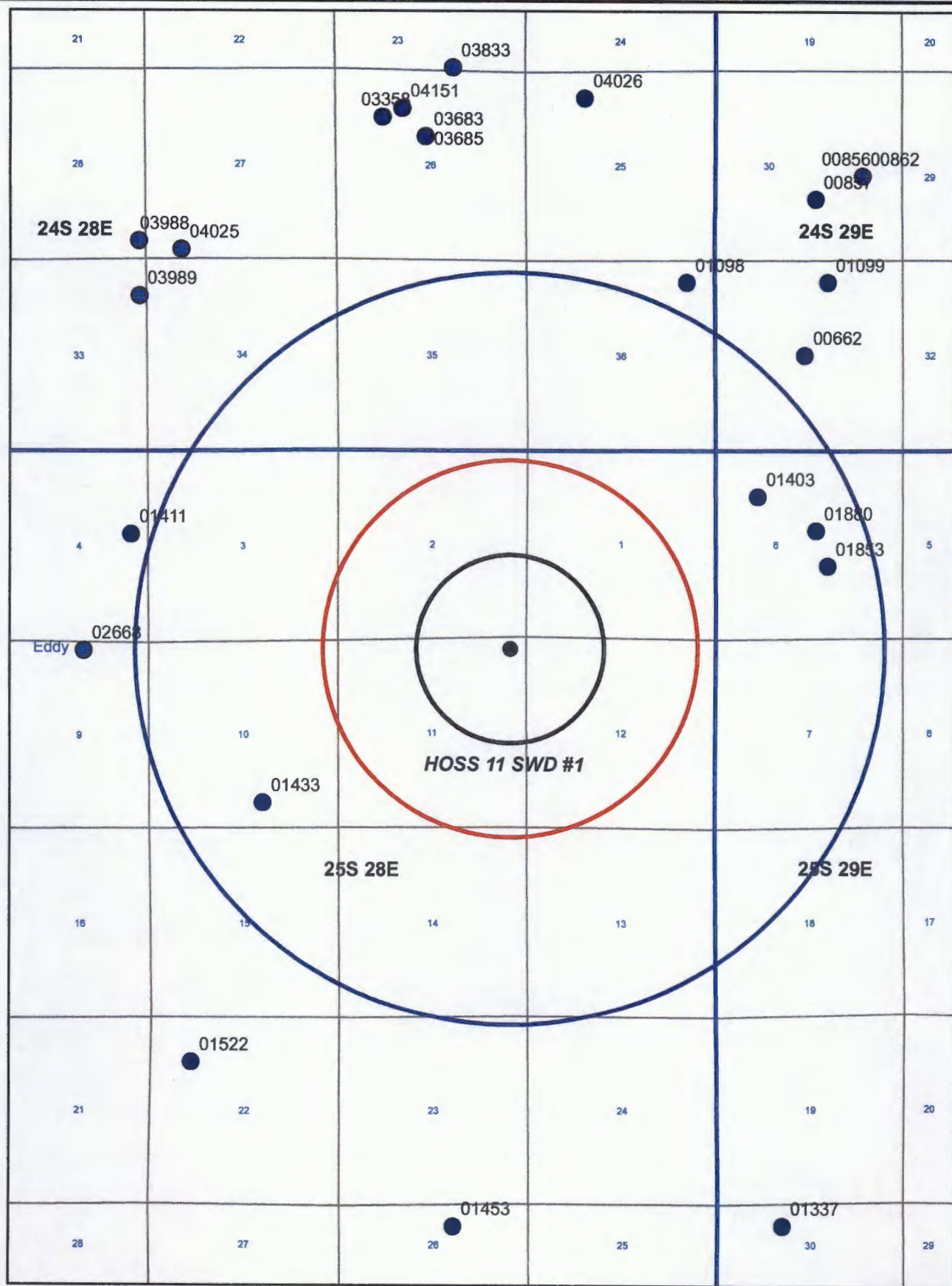


- 1/2 MILE AREA OF REVIEW
- 2 1/2 MILE AREA OF REVIEW
- 1 MILE AREA OF REVIEW



 Mewbourne Oil Company	
HOSS 11 SWD # 1 APPLICATION 25S - 28E SEC. 11 EDDY, NEW MEXICO	
Author: ad	Date: 17 January, 2018

Well Num	Original Operator Name	Current Operator	Sec	Twp	Rge	Footage	Field Name	Status	IP Prod Form Name	Driller Td	Tvd Ft	Form at TD	Proj Depth	Proj Form	Permit Date	Spud Date	Comp Date
1	RONADERO COMPANY INCORPORATED	MEWBOURNE OIL COMPANY	2	25S	28E	1980 FSL 660 FEL CONGRESS SECTION	SAN LORENZO	P&A		6600	6600	BONE SPRING	6600	BONE SPRING	1994-11-12	1994-11-22	1998-04-13
1	YATES PETROLEUM CORPORATION	MEWBOURNE OIL COMPANY	2	25S	28E	1980 FSL 660 FEL CONGRESS SECTION	WILLOW LAKE SW	P&A	BRUSHY CANYON	6600	6600	BONE SPRING	6120	DELAWARE	2005-08-29	2005-08-31	2005-10-31
1	MEWBOURNE OIL COMPANY	MEWBOURNE OIL COMPANY	2	25S	28E	1980 FSL 660 FEL CONGRESS SECTION	WILLOW LAKE	ACTIVE	DELAWARE	6600	6600	BONE SPRING		DELAWARE	2013-04-24	2013-04-29	2013-06-08
1H	MEWBOURNE OIL COMPANY	MEWBOURNE OIL COMPANY	2	25S	28E	185 FSL 530 FEL CONGRESS SECTION	SAN LORENZO NORTH	PERMIT				BONE SPRING	12846	BONE SPRING	2016-10-24		
1H	MEWBOURNE OIL COMPANY	MEWBOURNE OIL COMPANY	2	25S	28E	185 FSL 450 FEL CONGRESS SECTION	SALT DRAW	PERMIT				WOLFCAMP	15209	WOLFCAMP	2016-10-24		
002H	MEWBOURNE OIL COMPANY	MEWBOURNE OIL COMPANY	2	25S	28E	185 FNL 1650 FEL CONGRESS SECTION	SAN LORENZO NORTH	ACTIVE	BONE SPRING	18370	8309	BONE SPRING	18198	BONE SPRING	2017-05-03	2017-05-15	2017-11-06
001H	MEWBOURNE OIL COMPANY	MEWBOURNE OIL COMPANY	2	25S	28E	185 FNL 1700 FEL CONGRESS SECTION	PURPLE SAGE	ACTIVE	WOLFCAMP	20624	10730	WOLFCAMP	20560	WOLFCAMP	2017-05-03	2017-06-11	2017-11-07
1	GETTY OIL COMPANY	MATADOR PRODUCTION COMPANY	11	25S	28E	1880 FNL 1980 FEL CONGRESS SECTION	EDDY UNDESIGNATED	P&A	MORROW UPPER	13550	13550	MORROW	13500	MORROW	1981-03-20	1981-03-30	1982-05-28
1	BIRD CREEK RESOURCES INCORPORATED	MATADOR PRODUCTION COMPANY	11	25S	28E	1880 FNL 1980 FEL CONGRESS SECTION	SAN LORENZO NORTH	ACTIVE	BONE SPRING	13550	13550	MORROW	6563	BONE SPRING	1992-03-26	1992-04-05	1992-04-12
1H	COG OPERATING LIMITED LIABILITY CORP	COG OPERATING LIMITED LIABILITY CORP	12	25S	28E	170 FNL 900 FWL CONGRESS SECTION	SAN LORENZO NORTH	ACTIVE	BONE SPRING	12865	8296	BONE SPRING	12937	BONE SPRING	2013-01-30	2013-02-19	2013-06-20



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

Water well information provided by
the N.M. Office of the State Engineer



MOC Mewbourne Oil Company	
HOSS 11 SWD # 1 APPLICATION 28S - 28E SEC. 11 EDDY, NEW MEXICO	
Author: ed	Date: 17 January, 2018

MEWBOURNE OIL COMPANY
TABULATION OF WATER WELLS NEARBY HOSS 11 SWD #1 - OFFICE OF THE NM STATE ENGINEER

POD Number	POD Subbasin	County	Source	Sec	Tws	Rng	X	Y	Start Date	Finish Date	Log File Date	Depth Well	Depth Water	Driller	License Nbr
C 01411	C	ED	Shallow	NE	04	25S	28E	586289	3558522	10/07/1969	10/15/1969	69	35	WHITE, QUINCE L.	439
C 01433	C	ED		SE	10	25S	28E	587436	3556238						
SP 01403		ED			6	25S	29E	591656	3558892						
C 01880	C	ED	Shallow	SW	06	25S	29E	592161	3558605	10/29/1979	10/30/1979	85	40	MURRELL ABBOTT	46
SP 01853		ED		NW	6	25S	29E	592263	3558302						

NOTE: THERE ARE NO DOCUMENTED FRESH WATER WELLS WITHIN ONE MILE OF THE PROPOSED SWD BUT A WATER SAMPLE WAS CAUGHT AND ANALYZED FROM THE WELL HIGHLIGHTED IN GREEN. ✓

DownHole SAT™ Water Analysis Report



PERFORMANCE
Chemical Company

SYSTEM IDENTIFICATION

Mewbourne
Fresh Water Tank

Fresh Water Well
POD 01411

Sample ID#: 0
ID:

Sample Date: 01-30-2018 at 1626
Report Date: 01-31-2018

WATER CHEMISTRY

CATIONS

Calcium(as Ca)	656.36
Magnesium(as Mg)	70.02
Barium(as Ba)	0.00
Strontium(as Sr)	8.42
Sodium(as Na)	38.52
Potassium(as K)	12.72
Iron(as Fe)	0.0440

ANIONS

Chloride(as Cl)	400.44
Sulfate(as SO ₄)	1261
Dissolved CO ₂ (as CO ₂)	0.00
Bicarbonate(as HCO ₃)	170.80
H ₂ S (as H ₂ S)	0.00

PARAMETERS

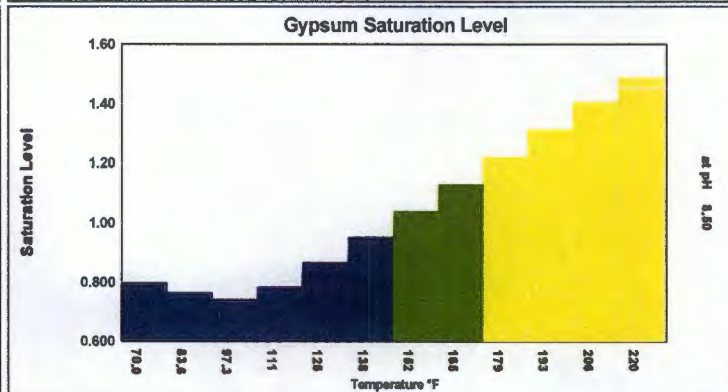
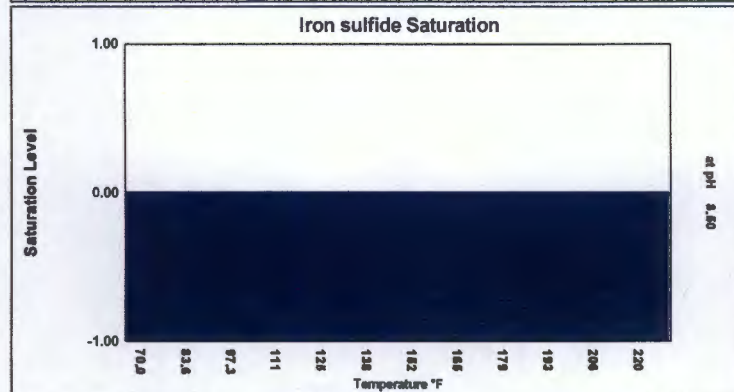
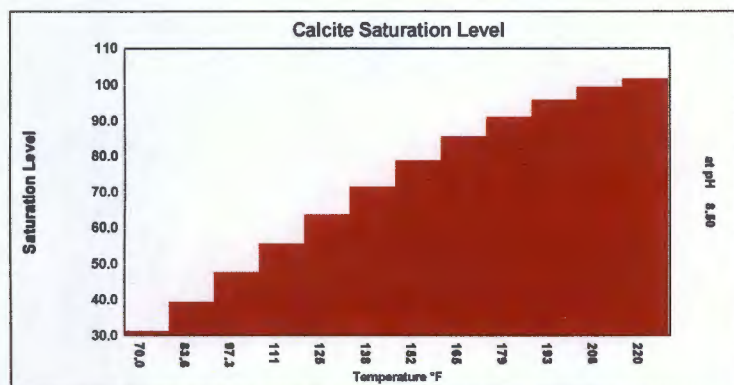
Temperature(°F)	61.00
Sample pH	8.50
Conductivity	2270
T.D.S.	2618
Resistivity	440.57
Sp.Gr.(g/mL)	1.01

Manganese(as Mn) 0.00

SCALE AND CORROSION POTENTIAL

Temp. (°F)	Press. (psig)	Calcite CaCO ₃		Anhydrite CaSO ₄		Gypsum CaSO ₄ *2H ₂ O		Barite BaSO ₄		Celestite SrSO ₄		Siderite FeCO ₃		Mackawenite FeS	CO ₂ (mpy)	pCO ₂ (atm)	
70.00	0.00	31.02	5.39	0.464	-628.11	0.794	-185.50	0.00	-0.0125	0.703	-7.34	0.313	-0.0133	0.00	-0.0878	0.00374	< 0.001
83.64	0.00	39.15	6.12	0.476	-590.91	0.761	-217.37	0.00	-0.0170	0.712	-7.04	0.454	-0.00754	0.00	-0.0880	0.00505	< 0.001
97.27	0.00	47.45	6.70	0.508	-519.62	0.741	-236.12	0.00	-0.0221	0.737	-6.19	0.621	-0.00390	0.00	-0.0882	0.00636	< 0.001
110.91	0.00	55.48	7.12	0.562	-422.71	0.780	-189.68	0.00	-0.0277	0.773	-5.10	0.818	-0.00145	0.00	-0.0885	0.00663	< 0.001
124.55	0.00	63.49	7.45	0.642	-308.59	0.863	-107.68	0.00	-0.0343	0.809	-4.11	1.05	< 0.001	0.00	-0.0887	0.00556	< 0.001
138.18	0.00	71.30	7.70	0.754	-184.84	0.948	-37.24	0.00	-0.0421	0.844	-3.23	1.31	0.00158	0.00	-0.0891	0.00376	< 0.001
151.82	0.00	78.62	7.86	0.910	-57.91	1.04	23.55	0.00	-0.0514	0.877	-2.45	1.58	0.00247	0.00	-0.0895	0.00300	< 0.001
165.45	0.00	85.20	7.93	1.12	66.97	1.13	76.20	0.00	-0.0622	0.909	-1.75	1.83	0.00301	0.00	-0.0899	0.00238	< 0.001
179.09	0.00	90.90	7.91	1.42	186.14	1.22	122.21	0.00	-0.0747	0.939	-1.13	2.02	0.00319	0.00	-0.0904	0.00163	< 0.001
192.73	0.00	95.60	7.83	1.83	296.88	1.31	162.62	0.00	-0.0892	0.968	-0.577	2.08	0.00296	0.00	-0.0910	< 0.001	< 0.001
206.36	0.00	99.22	7.68	2.41	397.55	1.40	198.30	0.00	-0.106	0.995	-0.0927	1.93	0.00230	0.00	-0.0918	< 0.001	< 0.001
220.00	2.51	101.50	7.56	3.19	487.69	1.49	227.33	0.00	-0.127	1.01	0.142	1.70	0.00157	0.00	-0.0931	0.00161	< 0.001
		xSAT	ma/L	xSAT	ma/L	xSAT	ma/L	xSAT	ma/L	xSAT	ma/L	xSAT	ma/L	xSAT	ma/L		

Saturation Levels (xSAT) are the ratio of ion activity to solubility, e.g. {Ca}{CO₃}/K_{sp}. pCO₂ (atm) is the partial pressure of CO₂ in the gas phase.
mg/L scale is the quantity of precipitation (or dissolution) required to instantaneously bring the water to equilibrium.



February 2, 2018

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

Re: Hoss 11 SWD #1
Sec 11, Twp 25S, Rge 28E
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 tharrington@mewbourne.com or call me at (903) 534-7647.

Sincerely yours,

MEWBOURNE OIL COMPANY

A handwritten signature in black ink, appearing to read "Tim R. Harrington", written in a cursive style.

Tim Harrington
Reservoir Engineer

A

300151072400
4.2 miles
MARBOR ENERGY CORP
MYOX 28 STATE COM 1
Reference=KB
Datum=2897.00
C: 55 NW
TWP: 25 S - Range: 28 E - Sec. 28

HOBBS 11 SWD 1
MOC
HOBBS 11 SWD 1
Reference=KB
Datum=2897.00
200 FW 215 FE
TWP: - Range: - Sec.

300154184800
2.0 miles
XTO ENERGY INC
GOLDENCHILD 4 STATE 1
Reference=QR
Datum=2897.00
800 FW 230 FE
TWP: 25 S - Range: 28 E - Sec. 8

300153847000
4.8 miles
YATES PETROLEUM CORP
SHOCKER SWD 1
Reference=KB
Datum=3037.00
1040 FW 280 FE
TWP: 25 S - Range: 28 E - Sec. 32

300152105400
3.8 miles
MOBIL PETROLEUM TX&HM
CORRAL DRAW UNIT 1
Reference=KB
Datum=3118.00
1880 FW 180 FE
TWP: 25 S - Range: 28 E - Sec. 14

A'

28F/25S/28E
7/19/65 Dry Hole
Wet DVNN DST

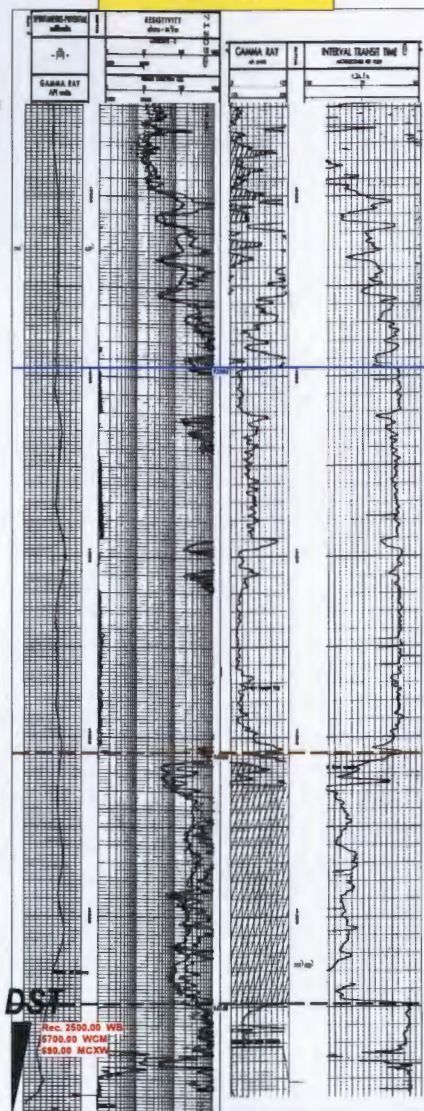
Hoss 11 SWD #1

6P/25S/29E
8/26/14 "DVNN SWD" Comp
Open Hole Inj Interval
14,745-18240
Inj Cum: 2,557 mbw
Max Daily Rate: 6800 bwpd
Current Rate: 4500 bwpd

32A/25S/29E
5/18/2012 "DVNN SWD" Comp
Open Hole Com: 15200-15700.
Inj Cum: 6022 mbw
Max Daily Rate: 6500 bwpd
Current Rate: 5800 bwpd

14K/25S/29E
Wet DVNN DST

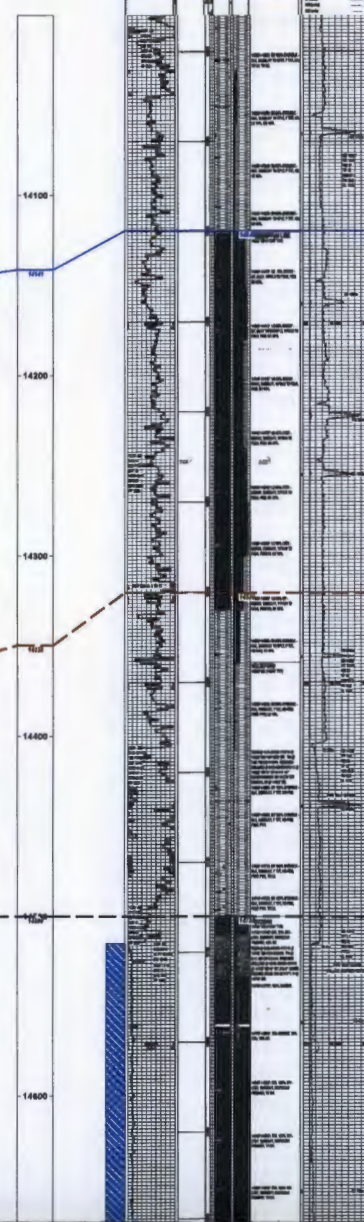
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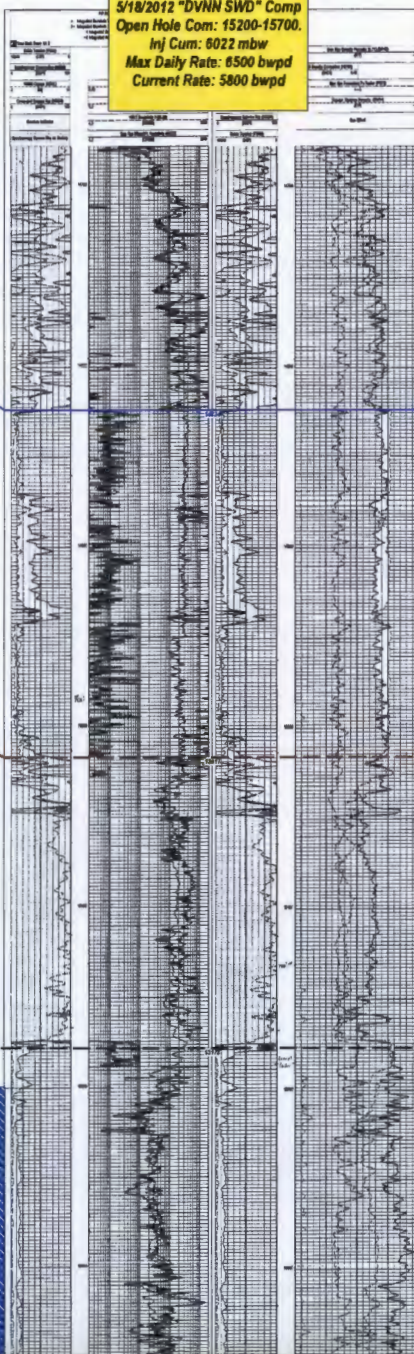
DST
Rec. 2500.00 WC
5700.00 WCM
590.00 MCXW

TD=14410.00
Cum Oil All Zones: 0.8 bbls
Cum Gas All Zones: 0.1 BCF
Cum Water All Zones: 7.2 bbls

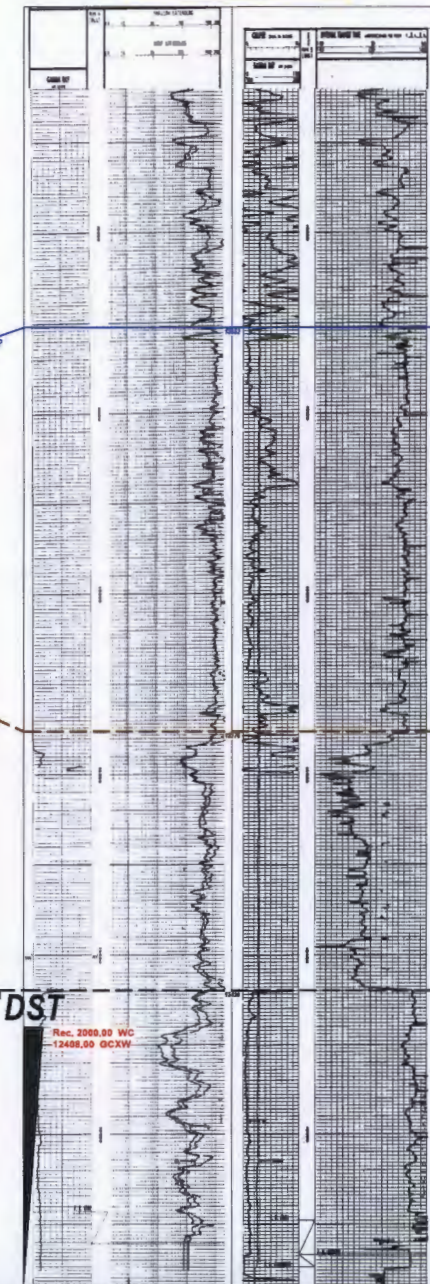
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500



500



DST
Rec. 2000.00 WC
12400.00 GCXW

TD=15585.00

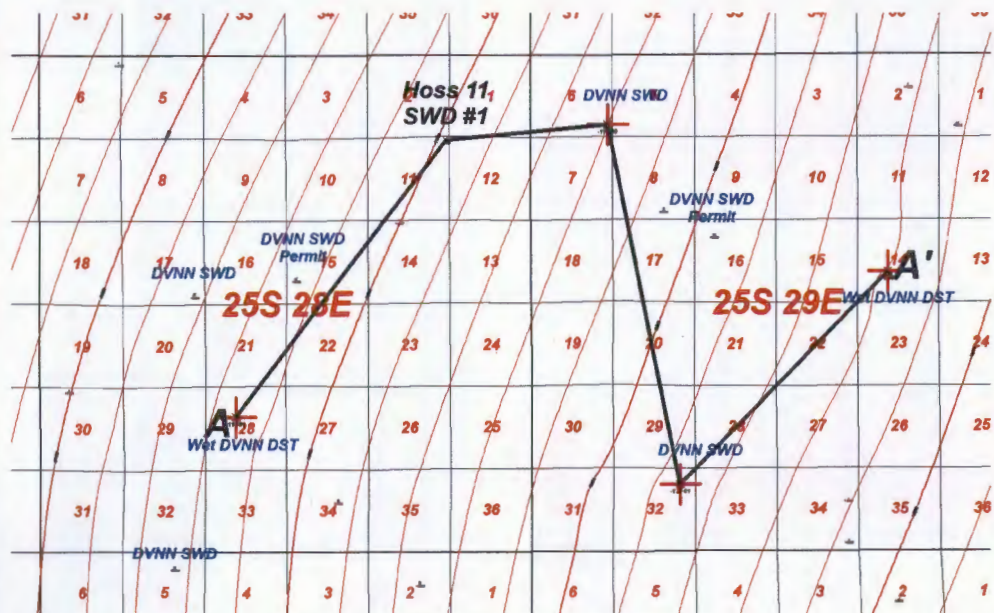
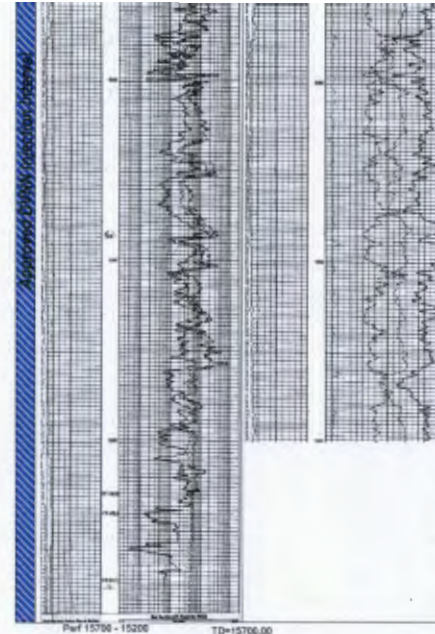
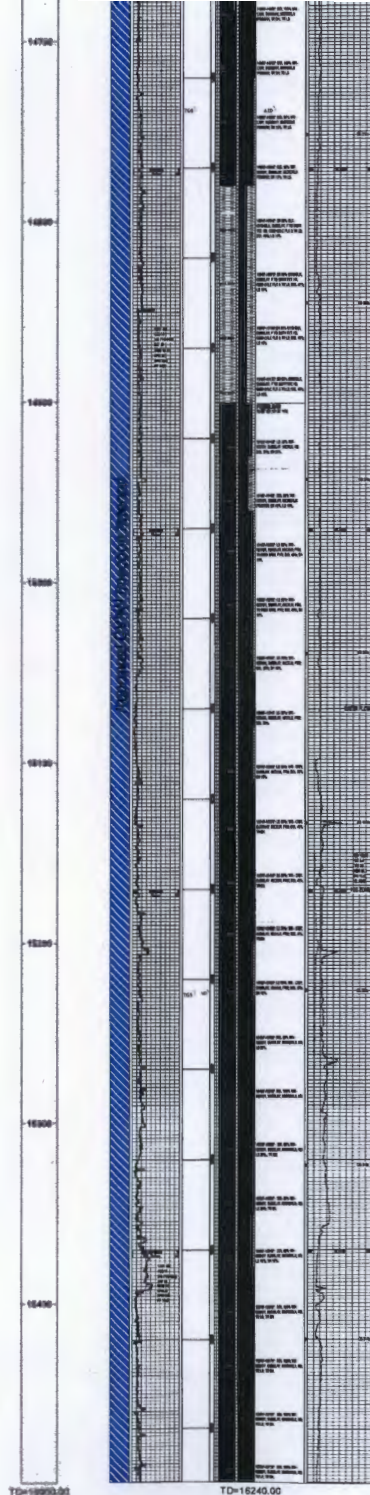
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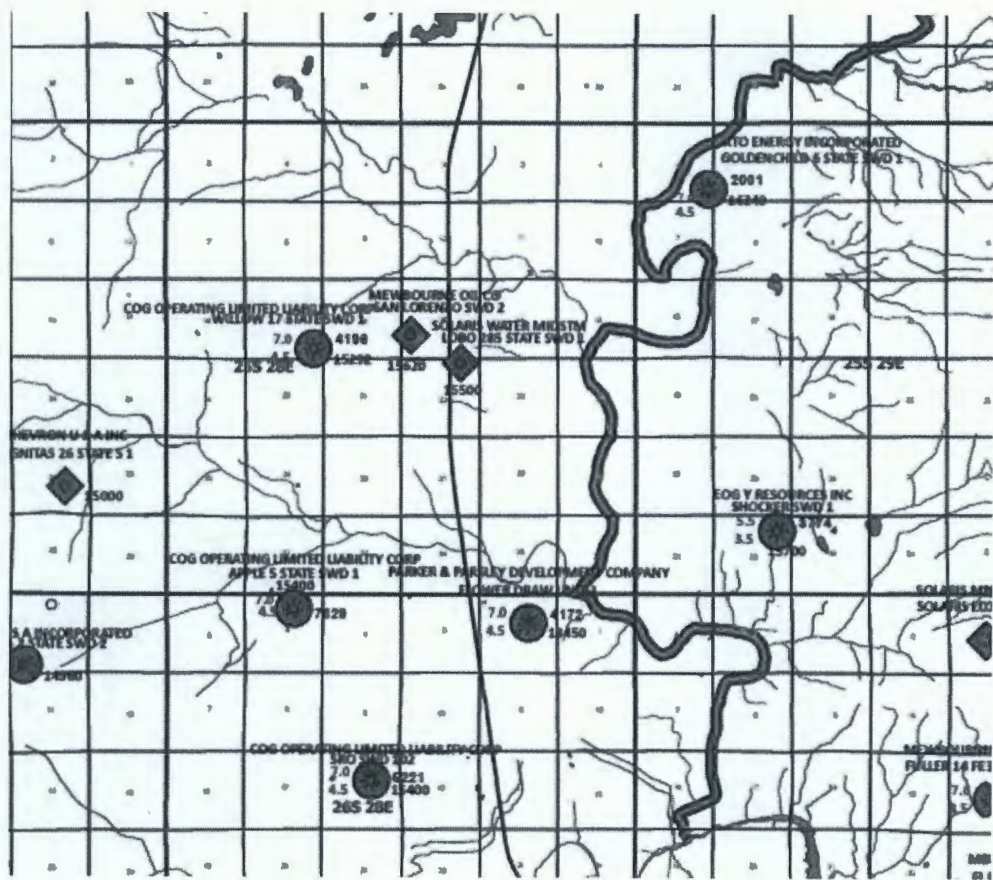
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-1000



Structure Top of Devonian (C.I. 100')

**Hoss 11 SWD #1
Cross Section**



DownHole SAT™ Water Analysis Report



PERFORMANCE
Chemical Company

SYSTEM IDENTIFICATION

Mewbourne
Devon 12/1 W2PI FFE #1H

K/Out

WOLFCAMP

Sample ID#: 0
ID:

Sample Date: 01-18-2018 at 1322
Report Date: 01-22-2018

WATER CHEMISTRY

CATIONS

Calcium(as Ca)	3334
Magnesium(as Mg)	428.44
Barium(as Ba)	5.17
Strontium(as Sr)	1113
Sodium(as Na)	33495
Potassium(as K)	404.11
Iron(as Fe)	31.57

ANIONS

Chloride(as Cl)	60066
Sulfate(as SO ₄)	171.00
Dissolved CO ₂ (as CO ₂)	200.00
Bicarbonate(as HCO ₃)	219.60
H ₂ S (as H ₂ S)	0.00

PARAMETERS

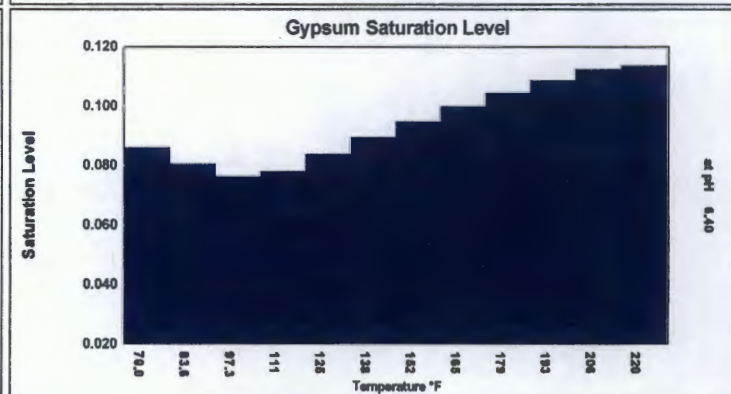
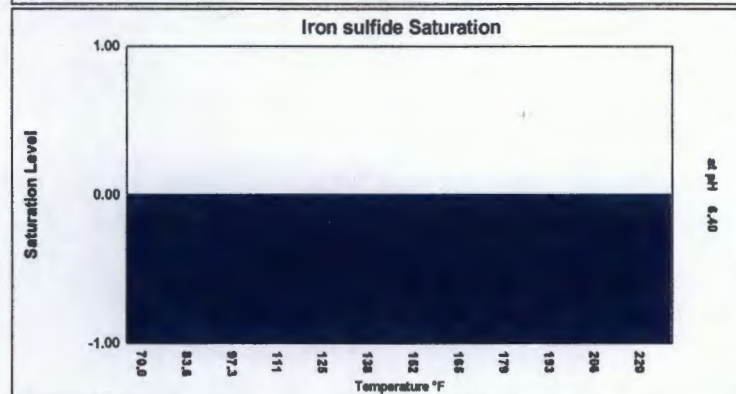
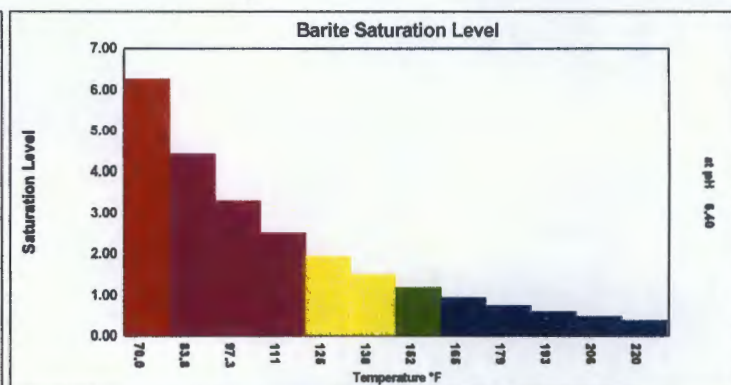
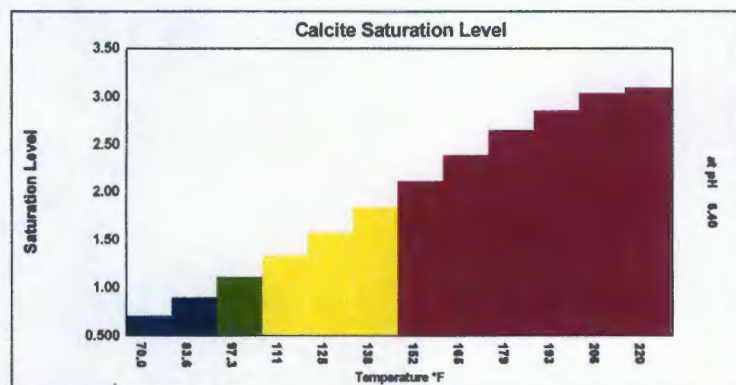
Temperature(°F)	77.00
Sample pH	6.40
Conductivity	135894
T.D.S.	97726
Resistivity	7.36
Sp.Gr.(g/mL)	1.07

Manganese(as Mn) 0.950

SCALE AND CORROSION POTENTIAL

Temp. (°F)	Press. (psig)	Calcite CaCO ₃		Anhydrite CaSO ₄		Gypsum CaSO ₄ *2H ₂ O		Barite BaSO ₄		Celestite SrSO ₄		Siderite FeCO ₃		Mackawenite FeS		CO ₂ (mpy)	pCO ₂ (atm)
70.00	0.00	0.696	-0.0366	0.0564	-1710	0.0860	-1288	6.25	7.33	0.866	-22.97	6.74	0.0825	0.00	-0.405	0.0777	0.0401
83.64	0.00	0.890	-0.0120	0.0564	-1663	0.0803	-1339	4.43	6.73	0.842	-27.03	9.48	0.101	0.00	-0.421	0.105	0.0401
97.27	0.00	1.10	0.0103	0.0586	-1562	0.0761	-1375	3.27	6.01	0.838	-27.22	12.86	0.118	0.00	-0.439	0.132	0.0401
110.91	0.00	1.33	0.0304	0.0630	-1421	0.0779	-1309	2.50	5.17	0.842	-25.75	16.88	0.134	0.00	-0.459	0.138	0.0401
124.55	0.00	1.57	0.0495	0.0699	-1255	0.0837	-1188	1.93	4.12	0.843	-24.90	21.70	0.150	0.00	-0.481	0.119	0.0401
138.18	0.00	1.84	0.0677	0.0798	-1077	0.0893	-1088	1.50	2.82	0.840	-24.79	27.38	0.166	0.00	-0.505	0.0965	0.0401
151.82	0.00	2.11	0.0849	0.0934	-899.43	0.0947	-1004	1.17	1.24	0.834	-25.32	33.85	0.181	0.00	-0.533	0.0936	0.0401
165.45	0.00	2.38	0.101	0.112	-731.02	0.0997	-934.41	0.925	-0.683	0.825	-26.45	40.96	0.196	0.00	-0.564	0.0939	0.0401
179.09	0.00	2.63	0.114	0.137	-578.03	0.104	-876.57	0.733	-2.99	0.814	-28.13	48.45	0.209	0.00	-0.598	0.0814	0.0401
192.73	0.00	2.85	0.126	0.170	-443.95	0.108	-828.95	0.584	-5.74	0.799	-30.36	55.91	0.220	0.00	-0.638	0.0361	0.0401
206.36	0.00	3.03	0.134	0.216	-330.02	0.112	-790.22	0.468	-8.99	0.783	-33.13	62.84	0.228	0.00	-0.682	0.0393	0.0401
220.00	2.51	3.08	0.140	0.273	-244.81	0.113	-784.43	0.371	-13.14	0.751	-39.56	67.69	0.236	0.00	-0.754	0.0519	0.0470
		xSAT	mg/L	xSAT	mg/L	xSAT	mg/L	xSAT	mg/L	xSAT	mg/L	xSAT	mg/L	xSAT	mg/L		

Saturation Levels (xSAT) are the ratio of ion activity to solubility, e.g. {Ca}{CO₃}/K_{sp}. pCO₂ (atm) is the partial pressure of CO₂ in the gas phase.
mg/L scale is the quantity of precipitation (or dissolution) required to instantaneously bring the water to equilibrium.



DownHole SAT™ Water Analysis Report



PERFORMANCE
Chemical Company

WOLFCAMP

SYSTEM IDENTIFICATION

Mewbourne
Hoss 2/11 W2BO Fed Com #1H

Knock Out

Sample ID#: 0
ID:

Sample Date: 01-18-2018 at 1328
Report Date: 01-22-2018

WATER CHEMISTRY

CATIONS

Calcium(as Ca)	3054
Magnesium(as Mg)	401.09
Barium(as Ba)	4.16
Strontium(as Sr)	1207
Sodium(as Na)	35086
Potassium(as K)	506.01
Iron(as Fe)	11.21

ANIONS

Chloride(as Cl)	62068
Sulfate(as SO ₄)	236.00
Dissolved CO ₂ (as CO ₂)	230.00
Bicarbonate(as HCO ₃)	207.40
H ₂ S (as H ₂ S)	0.00

PARAMETERS

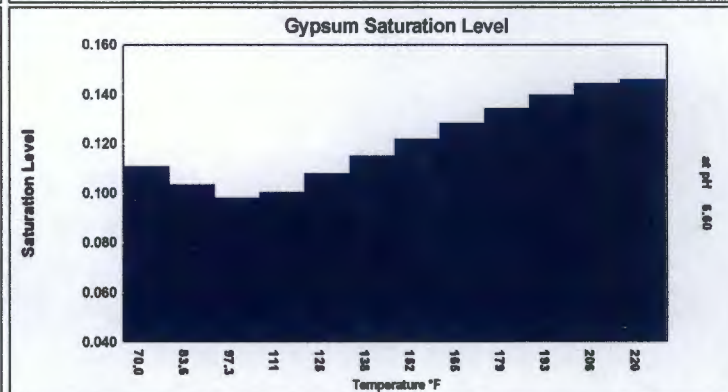
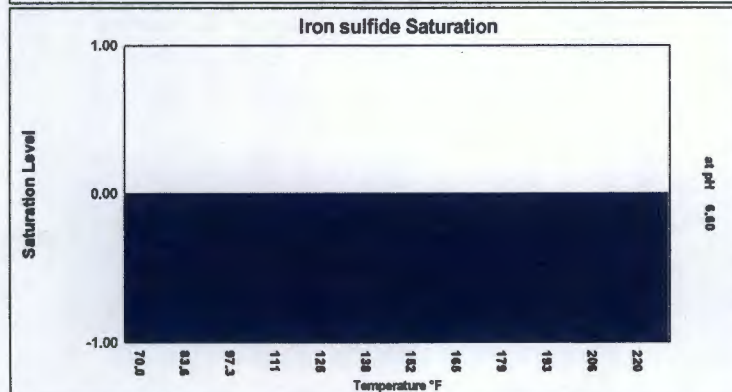
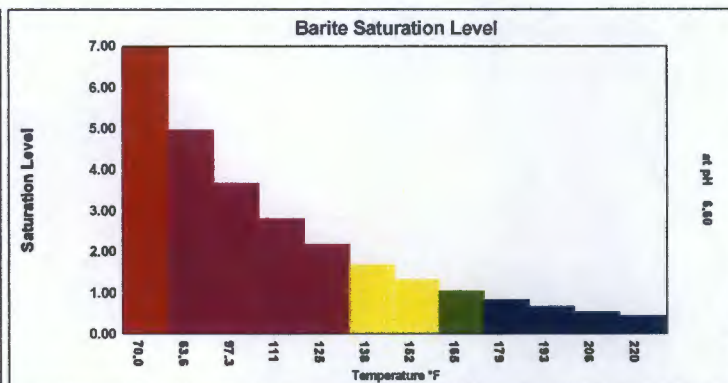
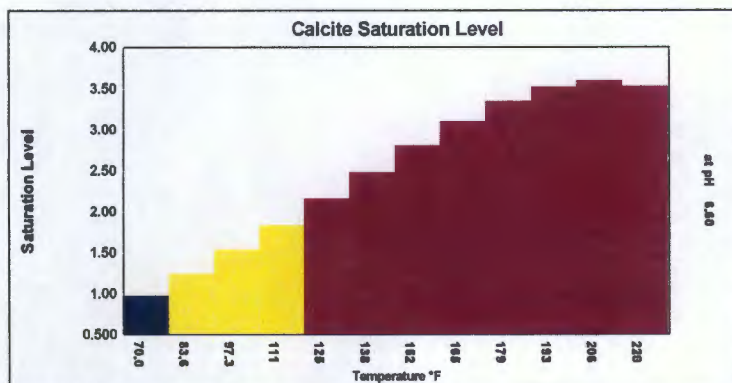
Temperature(°F)	77.00
Sample pH	6.60
Conductivity	141621
T.D.S.	101067
Resistivity	7.06
Sp.Gr.(g/mL)	1.07

Manganese(as Mn) 0.790

SCALE AND CORROSION POTENTIAL

Temp. (°F)	Press. (psig)	Calcite CaCO ₃		Anhydrite CaSO ₄		Gypsum CaSO ₄ *2H ₂ O		Barite BaSO ₄		Celestite SrSO ₄		Siderite FeCO ₃		Mackawenite FeS		CO ₂ (mpy)	pCO ₂ (atm)	
70.00	0.00	0.965	-0.00451	0.0729	-1787	0.111	-1346	6.96	6.03	1.30	48.74	3.56	0.104	0.00	-0.632	0.0506	0.0278	
83.64	0.00	1.23	0.0276	0.0729	-1739	0.103	-1402	4.93	5.61	1.26	42.77	5.00	0.135	0.00	-0.653	0.0683	0.0278	
97.27	0.00	1.52	0.0566	0.0757	-1634	0.0978	-1441	3.64	5.09	1.26	40.67	6.76	0.162	0.00	-0.677	0.0860	0.0278	
110.91	0.00	1.83	0.0825	0.0814	-1486	0.100	-1372	2.78	4.48	1.26	40.32	8.82	0.187	0.00	-0.702	0.0897	0.0278	
124.55	0.00	2.15	0.107	0.0903	-1312	0.108	-1245	2.15	3.72	1.27	39.52	11.25	0.211	0.00	-0.730	0.0775	0.0278	
138.18	0.00	2.48	0.129	0.103	-1124	0.115	-1139	1.67	2.78	1.26	38.15	14.02	0.233	0.00	-0.761	0.0623	0.0278	
151.82	0.00	2.80	0.149	0.121	-936.15	0.122	-1050	1.31	1.62	1.25	36.30	17.05	0.252	0.00	-0.795	0.0620	0.0278	
165.45	0.00	3.09	0.165	0.145	-757.26	0.128	-976.31	1.03	0.190	1.24	34.03	20.20	0.269	0.00	-0.832	0.0641	0.0278	
179.09	0.00	3.34	0.177	0.177	-594.12	0.134	-915.02	0.815	-1.55	1.22	31.35	23.24	0.280	0.00	-0.874	0.0569	0.0278	
192.73	0.00	3.51	0.184	0.220	-450.65	0.139	-864.53	0.650	-3.64	1.20	28.27	25.93	0.287	0.00	-0.919	0.0258	0.0278	
206.36	0.00	3.59	0.185	0.279	-328.30	0.144	-823.45	0.521	-6.16	1.17	24.84	28.01	0.287	0.00	-0.970	0.0283	0.0278	
220.00	2.51	3.51	0.182	0.353	-236.17	0.146	-817.26	0.412	-9.42	1.13	18.80	28.84	0.284	0.00	-1.05	0.0375	0.0325	
		xSAT	mg/L	xSAT	mg/L	xSAT	mg/L	xSAT	mg/L	xSAT	mg/L	xSAT	mg/L	xSAT	mg/L			

Saturation Levels (xSAT) are the ratio of ion activity to solubility, e.g. {Ca}{CO₃}/K_{sp}. pCO₂ (atm) is the partial pressure of CO₂ in the gas phase.
mg/L scale is the quantity of precipitation (or dissolution) required to instantaneously bring the water to equilibrium.



DownHole SAT™ Water Analysis Report



PERFORMANCE
Chemical Company

SYSTEM IDENTIFICATION

Mewbourne
Hoss 2/11 B2BO Fed Com #2H

Knock Out

SECOND BONE SPRING

Sample ID#: 0
ID:

Sample Date: 01-18-2018 at 1325
Report Date: 01-22-2018

WATER CHEMISTRY

CATIONS

Calcium(as Ca) 9254
Magnesium(as Mg) 1311
Barium(as Ba) 0.730
Strontium(as Sr) 562.08
Sodium(as Na) 58863
Potassium(as K) 1009
Iron(as Fe) 29.88

ANIONS

Chloride(as Cl) 113124
Sulfate(as SO₄) 581.00
Dissolved CO₂(as CO₂) 370.00
Bicarbonate(as HCO₃) 146.40
H₂S (as H₂S) 0.00

PARAMETERS

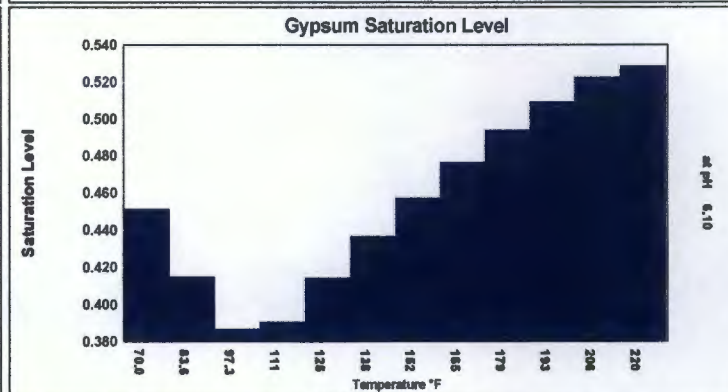
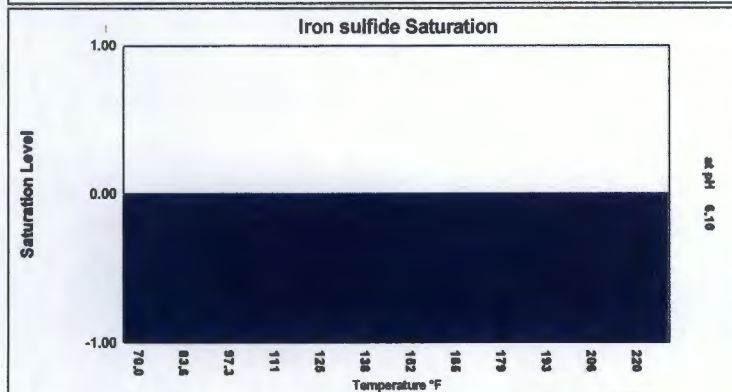
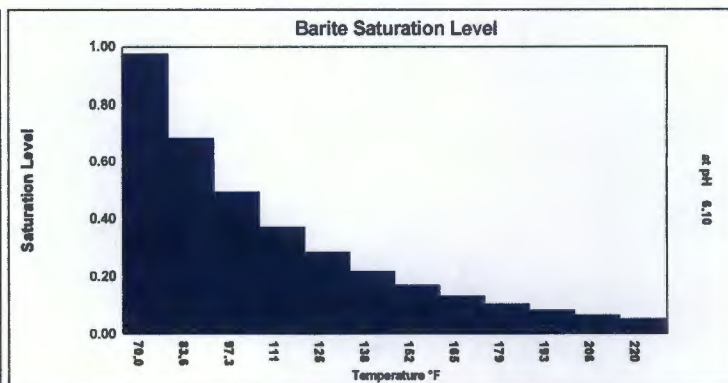
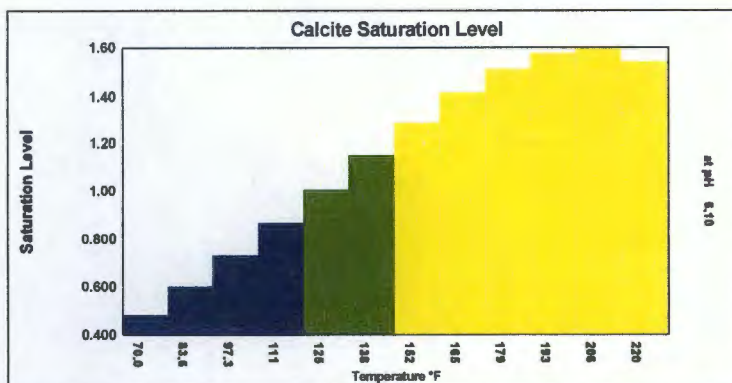
Temperature(°F) 77.00
Sample pH 6.10
Conductivity 283385
T.D.S. 178458
Resistivity 3.53
Sp.Gr.(g/mL) 1.13

Manganese(as Mn) 1.11

SCALE AND CORROSION POTENTIAL

Temp. (°F)	Press. (psig)	Calcite CaCO ₃		Anhydrite CaSO ₄		Gypsum CaSO ₄ *2H ₂ O		Barite BaSO ₄		Celestite SrSO ₄		Siderite FeCO ₃		Mackawenite FeS		CO ₂ (mpy)	pCO ₂ (atm)
70.00	0.00	0.479	-0.0160	0.330	-420.80	0.451	-287.43	0.974	-0.0327	0.488	-211.14	0.863	-0.00268	0.00	-1.06	0.201	0.0392
83.64	0.00	0.599	-0.0112	0.325	-412.07	0.415	-318.47	0.678	-0.586	0.466	-220.35	1.19	0.00304	0.00	-1.10	0.241	0.0392
97.27	0.00	0.728	-0.00694	0.333	-381.94	0.387	-342.38	0.493	-1.27	0.456	-221.15	1.58	0.00791	0.00	-1.14	0.223	0.0392
110.91	0.00	0.863	-0.00325	0.353	-336.33	0.390	-324.36	0.370	-2.09	0.451	-218.25	2.04	0.0120	0.00	-1.19	0.135	0.0392
124.55	0.00	1.00	< 0.001	0.386	-281.34	0.414	-283.48	0.282	-3.12	0.446	-216.62	2.58	0.0157	0.00	-1.25	0.191	0.0392
138.18	0.00	1.15	0.00308	0.435	-222.51	0.436	-250.37	0.216	-4.41	0.439	-216.60	3.19	0.0190	0.00	-1.30	0.160	0.0392
151.82	0.00	1.29	0.00566	0.503	-164.27	0.457	-223.48	0.167	-6.02	0.430	-218.08	3.85	0.0218	0.00	-1.37	0.149	0.0392
165.45	0.00	1.41	0.00777	0.596	-109.77	0.476	-201.64	0.130	-8.01	0.421	-220.96	4.53	0.0241	0.00	-1.44	0.141	0.0392
179.09	0.00	1.51	0.00930	0.723	-60.97	0.493	-183.93	0.102	-10.45	0.411	-225.23	5.19	0.0257	0.00	-1.52	0.116	0.0392
192.73	0.00	1.57	0.0102	0.893	-18.76	0.509	-169.65	0.0808	-13.39	0.400	-230.87	5.78	0.0267	0.00	-1.60	0.0464	0.0392
206.36	0.00	1.59	0.0103	1.12	16.75	0.522	-158.29	0.0642	-16.92	0.388	-237.91	6.22	0.0269	0.00	-1.70	0.0491	0.0392
220.00	2.51	1.54	0.00952	1.42	46.01	0.528	-156.38	0.0508	-21.39	0.372	-254.52	6.38	0.0265	0.00	-1.85	0.0642	0.0459
		xSAT	mg/L	xSAT	mg/L	xSAT	mg/L	xSAT	mg/L	xSAT	mg/L	xSAT	mg/L	xSAT	mg/L		

Saturation Levels (xSAT) are the ratio of ion activity to solubility, e.g. {Ca}{CO₃}/K_{sp}. pCO₂ (atm) is the partial pressure of CO₂ in the gas phase.
mg/L scale is the quantity of precipitation (or dissolution) required to instantaneously bring the water to equilibrium.



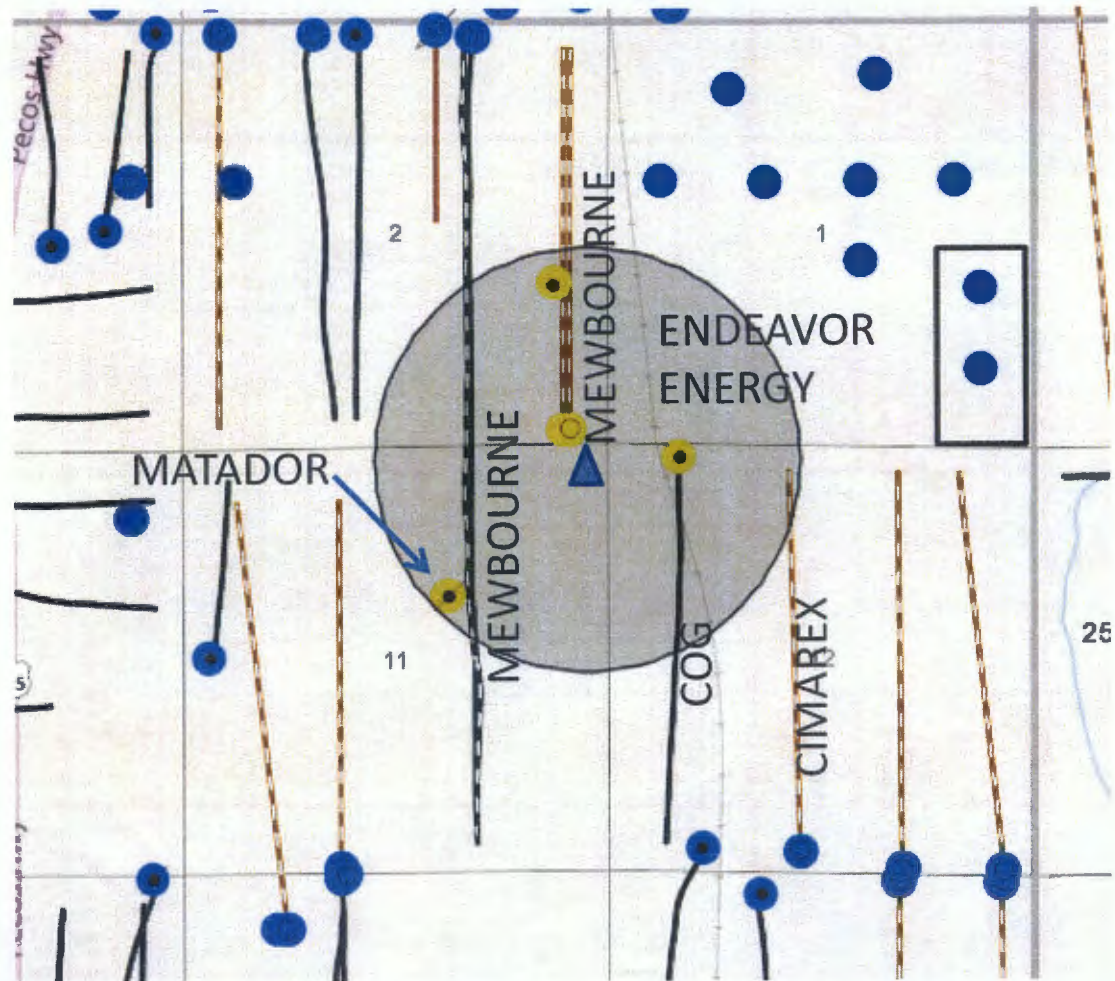
DELAWARE FORMATION WATER ANALYSIS

LAYLA 35 MD #1H: 35-23S-28E

AUG 1 2013

Water analysis from 08/01/13: SG @ 1.200, Temp 70°, pH 5.85, Na 91490, Ca 14000, Mg 2400, Fe 20, CL 172000, SO4 250, HCO3 49 (all in Mg/L).

MEWBOURNE OIL COMPANY
HOSS 11 SWD #1 PERMIT APPLICATION
OFFSET OPERATOR MAP – ½ MILE RADIUS



Listing of Notified Persons

Hoss 11 SWD #1 Application
200' FNL & 215' FEL
Section 11, T25S, R28E, Eddy County, NM

Surface Owner

Joy Cooksey
P.O. Box 45
Carlsbad, NM 88220

Mineral Owner N/2 NE/4

Velta Jean Daigneault
401 Boulder Ct
Richlands, NC 28574

Larry Philips
PO Box 2197
Midland, TX 79702

Empire Energy, LLC
70 Riverside
Roswell, New Mexico 88201

New State Gas, LLC
1213 West Third Street
Roswell, New Mexico 88201

Morris E. Schertz
P.O. Box 2588
Roswell, NM 88202

Joy Elizabeth Cooksey
P.O. Box 45
Carlsbad, NM 88220

James Monroe Cooksey, III
P.O. Box 103
Malaga, NM 88263

Rowan Family Minerals, LLC
P.O. Box 109
Andrews, TX 79714

Cirrus Minerals, LLC
330 Marshall Street, Suite 1200
Shreveport, Louisiana 71101

PEP II Management, LLC
330 Marshall Street, Suite 300
Shreveport, Louisiana 71101

Mary Ann Jenkins, Trustee of the Jenkins Family Trust
P.O. Box 2754
Roswell, NM 88202

Mary Ann Jenkins, as separate property
162 One Horse Road
Roswell, NM 88201

Chevron U.S.A. Inc.
1400 Smith Street
Houston, TX 77002

Offsetting Operators Within ½ Mile

Endeavor Energy Resources LP
110 North Marienfeld, Suite 200
Midland, TX 79701

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

Matador Resources
One Lincoln Center
5400 LBJ Freeway, Suite 1500
Dallas, TX 75240

Cimarex Energy Co.
202 S. Cheyenne, Suite 1000
Tulsa, OK 74103

Updated Listing of Notified Persons

FEB 26 2018 AM 10:18

Hoss 11 SWD #1 Application
200' FNL & 215' FEL
Section 11, T25S, R28E, Eddy County, NM

Surface Owner

Joy Cooksey
P.O. Box 45
Carlsbad, NM 88220

Mineral Owner N/2 NE/4

Velta Jean Daigneault
P.O. Box 1073
Phnom Penh, Cambodia 12000

Larry Philips
PO Box 2197
Midland, TX 79702

Empire Energy, LLC
70 Riverside
Roswell, New Mexico 88201

New State Gas, LLC
1213 West Third Street
Roswell, New Mexico 88201

Morris E. Schertz
P.O. Box 2588
Roswell, NM 88202

Joy Elizabeth Cooksey
P.O. Box 45
Carlsbad, NM 88220

James Monroe Cooksey, III
P.O. Box 103
Malaga, NM 88263

Rowan Family Minerals, LLC
P.O. Box 109
Andrews, TX 79714

Cirrus Minerals, LLC
1111 Bagby Street, Suite 2150
Houston, TX 77002

PEP II Management, LLC
330 Marshall Street, Suite 300
Shreveport, Louisiana 71101

Benny Mays Jenkins
4023 Lea Street
Carlsbad, NM 88220

NOTE: Sent to home by certified mail but USPS left packet without obtaining signature. Delivery confirmed by phone and by email (copy attached).

James Matthew Jenkins
112 SW Avenue C
Seminole, TX 79360

Leanne Jenkins Hacker
162 One Horse Road
Roswell, NM 88201

Chevron U.S.A. Inc.
1400 Smith Street
Houston, TX 77002

Offsetting Operators Within ½ Mile

Endeavor Energy Resources LP
110 North Marienfeld, Suite 200
Midland, TX 79701

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

Matador Resources
One Lincoln Center
5400 LBJ Freeway, Suite 1500
Dallas, TX 75240

Cimarex Energy Co.
202 S. Cheyenne, Suite 1000
Tulsa, OK 74103



Date: February 5, 2018

Simple Certified:

The following is in response to your February 5, 2018 request for delivery information on your Certified Mail™/RRE item number 9414810699945028646999. The delivery record shows that this item was delivered on February 5, 2018 at 11:56 am in CARLSBAD, NM 88220. The scanned image of the recipient information is provided below.

Signature of Recipient :

A handwritten signature in black ink, appearing to read "Joy Cooksey".

Address of Recipient :

A handwritten address in black ink, appearing to read "P.O. Box 45".

Thank you for selecting the Postal Service for your mailing needs.

If you require additional assistance, please contact your local Post Office or postal representative.

Sincerely,
United States Postal Service

Joy Cooksey
P.O. Box 45
Carlsbad, NM 88220
Reference #: Appl to Inject Hoss 11 SWD #1

Linda Stafford

From: Amy Vaughan
Sent: Tuesday, February 06, 2018 8:46 AM
To: Linda Stafford
Subject: FW: Document Delivered

Simple Certified delivery confirmation. Signature page has been sent to printer in Engineering Dept.

From: webmaster@simplecertifiedmail.com [<mailto:webmaster@simplecertifiedmail.com>]
Sent: Monday, February 05, 2018 7:29 PM
To: Amy Vaughan
Subject: Document Delivered

A document with a tracking code of 9414810699945028646999 and reference number of Appl to Inject Hoss 11 SWD #1 was successfully delivered to Joy Cooksey.

FW: Document Regarding Hoss SWD #1

Linda Stafford

Mon 2/26/2018 7:32 AM

To: Tim Harrington <tharrington@mewbourne.com>;

From: Velta Daigneault [mailto:velta2@icloud.com]
Sent: Friday, February 23, 2018 8:06 PM
To: Linda Stafford
Subject: Re: Document Regarding Hoss SWD #1

Thank you, I have received the attachments. I am assuming this is just a notification and if there is no objection there is no additional response on my part.

Velta Daigneault

Sent from my iPhone

Sent from my iPhone

On Feb 22, 2018, at 9:59 PM, Linda Stafford <lstafford@mewbourne.com> wrote:

I'm so sorry. Here they are.

From: [Velta2@comcast.net](mailto:velta2@comcast.net) [mailto:velta2@comcast.net]
Sent: Thursday, February 22, 2018 8:56 AM
To: Linda Stafford
Cc: Tim Harrington
Subject: Re: Document Regarding Hoss SWD #1

Hi Linda,
I received your email but dont see the attachments. Please resend to me.

Thank you
Velta Daigneault

Sent from my iPad

On Feb 22, 2018, at 9:10 PM, Linda Stafford <lstafford@mewbourne.com> wrote:

Velta, attached are the documents that were sent via Certified US Express Mail. Please verify receipt of the attached by replying to my email.

Have a good day.

Linda Stafford

Administrative Assistant

<image002.jpg>

3620 Old Bullard Road

Tyler, TX 75701

Phone: 903-939-7432

Fax: 903-939-0627

Email: lstafford@mewbourne.com

<20180222072203.pdf>



Date: February 7, 2018

Simple Certified:

The following is in response to your February 7, 2018 request for delivery information on your Certified Mail™/RRE item number 9414810699945028647392. The delivery record shows that this item was delivered on February 7, 2018 at 9:22 am in MIDLAND, TX 79701. The scanned image of the recipient information is provided below.

Signature of Recipient :

A handwritten signature in black ink, appearing to read "Larry Philips". The signature is written in a cursive style with a large initial "L".

Address of Recipient :

P.O. Box 2197
Midland, TX 79701

Thank you for selecting the Postal Service for your mailing needs.

If you require additional assistance, please contact your local Post Office or postal representative.

Sincerely,
United States Postal Service

Larry Philips
P.O. Box 2197
Midland, TX 79702
Reference #: Appl to Inject Hoss 11 SWD #1

Linda Stafford

From: Amy Vaughan
Sent: Wednesday, February 07, 2018 12:44 PM
To: Linda Stafford
Subject: FW: Document Delivered

Simple Certified delivery confirmation.

From: webmaster@simplecertifiedmail.com [<mailto:webmaster@simplecertifiedmail.com>]
Sent: Wednesday, February 07, 2018 10:30 AM
To: Amy Vaughan
Subject: Document Delivered

A document with a tracking code of 9414810699945028647392 and reference number of Appl to Inject Hoss 11 SWD #1 was successfully delivered to Larry Philips.



Date: February 6, 2018

Simple Certified:

The following is in response to your February 6, 2018 request for delivery information on your Certified Mail™/RRE item number 9414810699945028647491. The delivery record shows that this item was delivered on February 6, 2018 at 9:35 am in ROSWELL, NM 88201. The scanned image of the recipient information is provided below.

Signature of Recipient :

A handwritten signature in black ink, appearing to read "Donny Smith".

Address of Recipient :

A handwritten address in black ink, reading "1213 W. 3rd St".

Thank you for selecting the Postal Service for your mailing needs.

If you require additional assistance, please contact your local Post Office or postal representative.

Sincerely,
United States Postal Service

New State Gas, LLC
1213 West Third Street
Roswell, NM 88201
Reference #: Appl to Inject Hoss 11 SWD #1

Linda Stafford

From: Amy Vaughan
Sent: Wednesday, February 07, 2018 8:41 AM
To: Linda Stafford
Subject: FW: Document Delivered

Simple Certified delivery confirmation. Signature page has been sent to the printer in the Engineering Dept.

From: webmaster@simplecertifiedmail.com [<mailto:webmaster@simplecertifiedmail.com>]
Sent: Tuesday, February 06, 2018 2:56 PM
To: Amy Vaughan
Subject: Document Delivered

A document with a tracking code of 9414810699945028647491 and reference number of Appl to Inject Hoss 11 SWD #1 was successfully delivered to New State Gas, LLC.



Date: February 3, 2018

Simple Certified:

The following is in response to your February 3, 2018 request for delivery information on your Certified Mail™/RRE item number 9414810699945028647453. The delivery record shows that this item was delivered on February 3, 2018 at 1:33 pm in ROSWELL, NM 88201. The scanned image of the recipient information is provided below.

Signature of Recipient :

A handwritten signature in black ink, appearing to read "Susan M. Miller".

Address of Recipient :

A handwritten address in black ink, appearing to read "70 Riverside".

Thank you for selecting the Postal Service for your mailing needs.

If you require additional assistance, please contact your local Post Office or postal representative.

Sincerely,
United States Postal Service

Empire Energy, LLC
70 Riverside
Roswell, NM 88201
Reference #: Appl to Inject Hoss 11 SWD #1

Linda Stafford

From: Amy Vaughan
Sent: Monday, February 05, 2018 8:39 AM
To: Linda Stafford
Subject: FW: Document Delivered

Simple Certified delivery confirmation.

From: webmaster@simplecertifiedmail.com [mailto:webmaster@simplecertifiedmail.com]
Sent: Saturday, February 03, 2018 3:07 PM
To: Amy Vaughan
Subject: Document Delivered

A document with a tracking code of 9414810699945028647453 and reference number of Appl to Inject Hoss 11 SWD #1 was successfully delivered to Empire Energy, LLC.



Date: February 6, 2018

Simple Certified:

The following is in response to your February 6, 2018 request for delivery information on your Certified Mail™/RRE item number 9414810699945028647491. The delivery record shows that this item was delivered on February 6, 2018 at 9:35 am in ROSWELL, NM 88201. The scanned image of the recipient information is provided below.

Signature of Recipient :

A handwritten signature in black ink, appearing to read "D. Mayfield".

Address of Recipient :

A handwritten address in black ink: "1213 W. 3rd St".

Thank you for selecting the Postal Service for your mailing needs.

If you require additional assistance, please contact your local Post Office or postal representative.

Sincerely,
United States Postal Service

New State Gas, LLC
1213 West Third Street
Roswell, NM 88201
Reference #: Appl to Inject Hoss 11 SWD #1

Linda Stafford

From: Amy Vaughan
Sent: Wednesday, February 07, 2018 8:41 AM
To: Linda Stafford
Subject: FW: Document Delivered

Simple Certified delivery confirmation. Signature page has been sent to the printer in the Engineering Dept.

From: webmaster@simplecertifiedmail.com [<mailto:webmaster@simplecertifiedmail.com>]
Sent: Tuesday, February 06, 2018 2:56 PM
To: Amy Vaughan
Subject: Document Delivered

A document with a tracking code of 9414810699945028647491 and reference number of Appl to Inject Hoss 11 SWD #1 was successfully delivered to New State Gas, LLC.



Date: February 5, 2018

Simple Certified:

The following is in response to your February 5, 2018 request for delivery information on your Certified Mail™/RRE item number 9414810699945028647576. The delivery record shows that this item was delivered on February 5, 2018 at 12:31 pm in ROSWELL, NM 88201. The scanned image of the recipient information is provided below.

Signature of Recipient :

P. Stacy
P. Stacy

Address of Recipient :

PO Box
2588

Thank you for selecting the Postal Service for your mailing needs.

If you require additional assistance, please contact your local Post Office or postal representative.

Sincerely,
United States Postal Service

Morris E. Schertz
P.O. Box 2588
Roswell, NM 88202
Reference #: Appl to Inject Hoss 11 SWD #1

Linda Stafford

From: Amy Vaughan
Sent: Tuesday, February 06, 2018 8:47 AM
To: Linda Stafford
Subject: FW: Document Delivered

Simple Certified delivery confirmation. Signature page has been sent to printer in Engineering Dept.

From: webmaster@simplecertifiedmail.com [<mailto:webmaster@simplecertifiedmail.com>]
Sent: Monday, February 05, 2018 7:29 PM
To: Amy Vaughan
Subject: Document Delivered

A document with a tracking code of 9414810699945028647576 and reference number of Appl to Inject Hoss 11 SWD #1 was successfully delivered to Morris E. Schertz.



Date: February 5, 2018

Simple Certified:

The following is in response to your February 5, 2018 request for delivery information on your Certified Mail™/RRE item number 9414810699945028647583. The delivery record shows that this item was delivered on February 5, 2018 at 11:56 am in CARLSBAD, NM 88220. The scanned image of the recipient information is provided below.

Signature of Recipient :

A handwritten signature in black ink, appearing to read "Joy Cooksey", written over a horizontal line.

Address of Recipient :

A handwritten address in black ink that reads "P.O. Box 45".

Thank you for selecting the Postal Service for your mailing needs.

If you require additional assistance, please contact your local Post Office or postal representative.

Sincerely,
United States Postal Service

Joy Elizabeth Cooksey
P.O. Box 45
Carlsbad, NM 88220
Reference #: Appl to Inject Hoss 11 SWD #1

Linda Stafford

From: Amy Vaughan
Sent: Tuesday, February 06, 2018 8:47 AM
To: Linda Stafford
Subject: FW: Document Delivered

Simple Certified delivery confirmation. Signature page has been sent to printer in Engineering Dept.

From: webmaster@simplecertifiedmail.com [<mailto:webmaster@simplecertifiedmail.com>]
Sent: Monday, February 05, 2018 7:29 PM
To: Amy Vaughan
Subject: Document Delivered

A document with a tracking code of 9414810699945028647583 and reference number of Appl to Inject Hoss 11 SWD #1 was successfully delivered to Joy Elizabeth Cooksey.

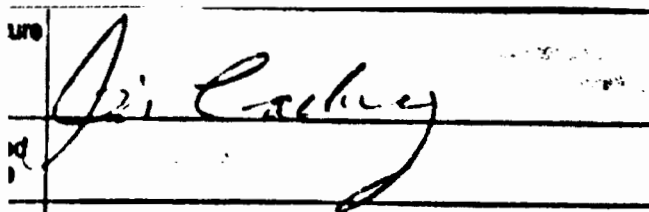


Date: February 15, 2018

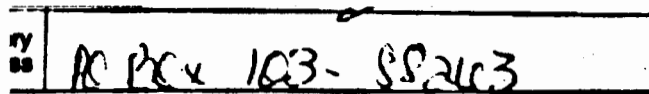
Simple Certified:

The following is in response to your February 15, 2018 request for delivery information on your Certified Mail™/RRE item number 9414810699945028647620. The delivery record shows that this item was delivered on February 15, 2018 at 11:19 am in MALAGA, NM 88263. The scanned image of the recipient information is provided below.

Signature of Recipient :

Signature of Recipient: The signature is handwritten in black ink on a three-line grid. The signature appears to be "James Monroe Cooksey, III".

Address of Recipient :

Address of Recipient: The address is handwritten in black ink on a three-line grid. The address is "PO Box 103 - 88263".

Thank you for selecting the Postal Service for your mailing needs.

If you require additional assistance, please contact your local Post Office or postal representative.

Sincerely,
United States Postal Service

James Monroe Cooksey, III
P.O. Box 103
Malaga, NM 88263
Reference #: Appl to Inject Hoss 11 SWD #1

Linda Stafford

From: Amy Vaughan
Sent: Thursday, February 15, 2018 4:41 PM
To: Linda Stafford
Subject: FW: Document Delivered

Simple Certified delivery confirmation.

From: webmaster@simplecertifiedmail.com [<mailto:webmaster@simplecertifiedmail.com>]
Sent: Thursday, February 15, 2018 4:29 PM
To: Amy Vaughan
Subject: Document Delivered

A document with a tracking code of 9414810699945028647620 and reference number of Appl to Inject Hoss 11 SWD #1 was successfully delivered to James Monroe Cooksey, III.



UNITED STATES
POSTAL SERVICE

Date: February 7, 2018

Simple Certified:

The following is in response to your February 7, 2018 request for delivery information on your Certified Mail™/RRE item number 9414810699945028647637. The delivery record shows that this item was delivered on February 7, 2018 at 2:46 pm in ANDREWS, TX 79714. The scanned image of the recipient information is provided below.

Signature of Recipient :

Signature of Recipient :
Gayle R. Jones
GAYLE R. Jones

Address of Recipient :

Address of Recipient :
[Redacted]

Thank you for selecting the Postal Service for your mailing needs.

If you require additional assistance, please contact your local Post Office or postal representative.

Sincerely,
United States Postal Service

Rowan Family Minerals, LLC
P.O. Box 109
Andrews, TX 79714
Reference #: Appl to Inject Hoss 11 SWD #1

Linda Stafford

From: Amy Vaughan
Sent: Friday, February 09, 2018 2:18 PM
To: Linda Stafford
Subject: FW: Document Delivered

Simple Certified delivery confirmation. Signature page has been sent to the printer in the Engineering Dept.

From: webmaster@simplecertifiedmail.com [<mailto:webmaster@simplecertifiedmail.com>]
Sent: Wednesday, February 07, 2018 11:32 PM
To: Amy Vaughan
Subject: Document Delivered

A document with a tracking code of 9414810699945028647637 and reference number of Appl to Inject Hoss 11 SWD #1 was successfully delivered to Rowan Family Minerals, LLC.



Date: February 15, 2018

Simple Certified:

The following is in response to your February 15, 2018 request for delivery information on your Certified Mail™/RRE item number 9414810699945028990153. The delivery record shows that this item was delivered on February 15, 2018 at 3:47 pm in HOUSTON, TX 77002. The scanned image of the recipient information is provided below.

Signature of Recipient :

A handwritten signature in black ink, appearing to be "M. J. R.", written over a horizontal line.

Address of Recipient :

A handwritten address in black ink: "2111 Bagby #2150".

Thank you for selecting the Postal Service for your mailing needs.

If you require additional assistance, please contact your local Post Office or postal representative.

Sincerely,
United States Postal Service

Cirrus Minerals, LLC
1111 Bagby Street, Suite 2150
Houston, TX 77002

Linda Stafford

From: Amy Vaughan
Sent: Thursday, February 15, 2018 4:41 PM
To: Linda Stafford
Subject: FW: Document Delivered

Simple Certified delivery confirmation.

From: webmaster@simplecertifiedmail.com [<mailto:webmaster@simplecertifiedmail.com>]
Sent: Thursday, February 15, 2018 4:29 PM
To: Amy Vaughan
Subject: Document Delivered

A document with a tracking code of 9414810699945028990153 and reference number of was successfully delivered to Cirrus Minerals, LLC.



Date: February 5, 2018

Simple Certified:

The following is in response to your February 5, 2018 request for delivery information on your Certified Mail™/RRE item number 9414810699945028647804. The delivery record shows that this item was delivered on February 5, 2018 at 2:04 pm in SHREVEPORT, LA 71101. The scanned image of the recipient information is provided below.

Signature of Recipient :

A handwritten signature in black ink that reads "James M. Hall". The signature is written in a cursive style with a large, stylized "J" and "H".

Address of Recipient :

A handwritten address in black ink that reads "330 Marshall Street, Suite 300". The address is written in a cursive style with "330" and "300" being more prominent.

Thank you for selecting the Postal Service for your mailing needs.

If you require additional assistance, please contact your local Post Office or postal representative.

Sincerely,
United States Postal Service

PEP II Management, LLC
330 Marshall Street, Suite 300
Shreveport, LA 71101
Reference #: Appl to Inject Hoss 11 SWD #1

Linda Stafford

From: Amy Vaughan
Sent: Tuesday, February 06, 2018 8:47 AM
To: Linda Stafford
Subject: FW: Document Delivered

Simple Certified delivery confirmation. Signature page has been sent to printer in Engineering Dept.

From: webmaster@simplecertifiedmail.com [<mailto:webmaster@simplecertifiedmail.com>]
Sent: Monday, February 05, 2018 7:29 PM
To: Amy Vaughan
Subject: Document Delivered

A document with a tracking code of 9414810699945028647804 and reference number of Appl to Inject Hoss 11 SWD #1 was successfully delivered to PEP II Management, LLC.

Tim Harrington

From: banjo4215@gmail.com
Sent: Tuesday, February 20, 2018 1:00 PM
To: Tim Harrington
Subject: Re: HOSS 11 SWD #1 PERMIT APPLICATION - CONFIRMATION OF RECEIPT

Yes

Benny Mays Jenkins

Did receive the packet for the proposed salt water injection well

Via USPS certified

Ben Jenkins

On Feb 20, 2018, at 11:57 AM, Tim Harrington <tharrington@mewbourne.com> wrote:

Mr. Jenkins:

As a follow-up to our recent phone conversation, can you please confirm that you received a copy of our Hoss 11 SWD #1 permit application? I understand that the USPS left the package at your house without obtaining a signature.

Thank you for your assistance.

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



Proof of Acceptance (Electronic)

Date: 2/20/2018

Client Name: Mewbourne Oil Company

Certified with RR(E) item number 9414810699945028989966,
addressed to Benny Mays Jenkins
Accepted at USPS Origin Facility-February 12, 2018, 9:30 pm, TYLER,
TX 75711

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

Benny Mays Jenkins
4023 Lea Street
Carlsbad, NM 88220
Reference #: Appl to Inject Hoss 11 SWD #1
Group Name: Tyler

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



Date: February 15, 2018

Simple Certified:

The following is in response to your February 15, 2018 request for delivery information on your Certified Mail™/RRE item number 9414810699945028990054. The delivery record shows that this item was delivered on February 15, 2018 at 10:31 am in SEMINOLE, TX 79360. The scanned image of the recipient information is provided below.

Signature of Recipient :

A handwritten signature in black ink, appearing to read "James Matthew Jenkins". The signature is stylized with large, looped letters.

Address of Recipient :

A handwritten address in black ink, appearing to read "1125WC". The handwriting is cursive and somewhat stylized.

Thank you for selecting the Postal Service for your mailing needs.

If you require additional assistance, please contact your local Post Office or postal representative.

Sincerely,
United States Postal Service

James Matthew Jenkins
112 SW Avenue C
Seminole, TX 79360
Reference #: Appl to Inject Hoss 11 SWD #1

Linda Stafford

From: Amy Vaughan
Sent: Thursday, February 15, 2018 4:41 PM
To: Linda Stafford
Subject: FW: Document Delivered

Simple Certified delivery confirmation.

From: webmaster@simplecertifiedmail.com [<mailto:webmaster@simplecertifiedmail.com>]
Sent: Thursday, February 15, 2018 4:29 PM
To: Amy Vaughan
Subject: Document Delivered

A document with a tracking code of 9414810699945028990054 and reference number of Appl to Inject Hoss 11 SWD #1 was successfully delivered to James Matthew Jenkins.



Date: February 5, 2018

Simple Certified:

The following is in response to your February 5, 2018 request for delivery information on your Certified Mail™/RRE item number 9414810699945028647873. The delivery record shows that this item was delivered on February 5, 2018 at 11:00 am in ROSWELL, NM 88201. The scanned image of the recipient information is provided below.

Signature of Recipient :

A handwritten signature in black ink that reads "Ernest Hacker".

Address of Recipient :

A handwritten address in black ink: "162 One Horse Rd", "Roswell NM 88201".

Thank you for selecting the Postal Service for your mailing needs.

If you require additional assistance, please contact your local Post Office or postal representative.

Sincerely,
United States Postal Service

Mary Ann Jenkins, as separate property
162 One Horse Road
Roswell, NM 88201
Reference #: Appl to Inject Hoss 11 SWD #1

Linda Stafford

From: Amy Vaughan
Sent: Monday, February 05, 2018 4:06 PM
To: Linda Stafford
Subject: FW: Document Delivered

Simple Certified delivery confirmation. I have sent the signature page to the printer in Engineering.

From: webmaster@simplecertifiedmail.com [<mailto:webmaster@simplecertifiedmail.com>]
Sent: Monday, February 05, 2018 1:06 PM
To: Amy Vaughan
Subject: Document Delivered

A document with a tracking code of 9414810699945028647873 and reference number of Appl to Inject Hoss 11 SWD #1 was successfully delivered to Mary Ann Jenkins, as separate property.



Date: February 10, 2018

Simple Certified:

The following is in response to your February 10, 2018 request for delivery information on your Certified Mail™/RRE item number 9414810699945028647910. The delivery record shows that this item was delivered on February 5, 2018 at 12:10 pm in HOUSTON, TX 77002. The scanned image of the recipient information is provided below.

Signature of Recipient :

A scanned image of a signature on a form. The signature is written in dark ink and appears to read "Harbena Allen". The form has horizontal lines and some faint text in the background.

Address of Recipient :

A scanned image of an address on a form. The address is written in dark ink and appears to read "1501 Louisiana". The form has horizontal lines and some faint text in the background.

Thank you for selecting the Postal Service for your mailing needs.

If you require additional assistance, please contact your local Post Office or postal representative.

Sincerely,
United States Postal Service

Chevron U.S.A. Inc.
1400 Smith Street
Houston, TX 77002
Reference #: Appl to Inject Hoss 11 SWD #1

Linda Stafford

From: Amy Vaughan
Sent: Monday, February 12, 2018 10:49 AM
To: Linda Stafford
Subject: FW: Document Delivered

Simple Certified delivery confirmation. Signature page is at my desk!

From: webmaster@simplecertifiedmail.com [<mailto:webmaster@simplecertifiedmail.com>]
Sent: Saturday, February 10, 2018 5:44 PM
To: Amy Vaughan
Subject: Document Delivered

A document with a tracking code of 9414810699945028647910 and reference number of Appl to Inject Hoss 11 SWD #1 was successfully delivered to Chevron U.S.A. Inc..



Date: February 5, 2018

Simple Certified:

The following is in response to your February 5, 2018 request for delivery information on your Certified Mail™/RRE item number 9414810699945028648061. The delivery record shows that this item was delivered on February 5, 2018 at 2:58 pm in MIDLAND, TX 79701. The scanned image of the recipient information is provided below.

Signature of Recipient :

A handwritten signature in black ink, appearing to be "H. C. ...".

Address of Recipient :

A handwritten address in black ink, appearing to be "110 North Marienfeld, Suite 200".

Thank you for selecting the Postal Service for your mailing needs.

If you require additional assistance, please contact your local Post Office or postal representative.

Sincerely,
United States Postal Service

Endeavor Energy Resources LP
110 North Marienfeld, Suite 200
Midland, TX 79701
Reference #: Appl to Inject Hoss 11 SWD #1

Linda Stafford

From: Amy Vaughan
Sent: Tuesday, February 06, 2018 8:47 AM
To: Linda Stafford
Subject: FW: Document Delivered

Simple Certified delivery confirmation. Signature page has been sent to printer in Engineering Dept.

From: webmaster@simplecertifiedmail.com [<mailto:webmaster@simplecertifiedmail.com>]
Sent: Monday, February 05, 2018 7:29 PM
To: Amy Vaughan
Subject: Document Delivered

A document with a tracking code of 9414810699945028648061 and reference number of Appl to Inject Hoss 11 SWD #1 was successfully delivered to Endeavor Energy Resources LP.



Date: February 3, 2018

Simple Certified:

The following is in response to your February 3, 2018 request for delivery information on your Certified Mail™/RRE item number 9414810699945028648023. The delivery record shows that this item was delivered on February 3, 2018 at 1:16 pm in MIDLAND, TX 79701. The scanned image of the recipient information is provided below.

Signature of Recipient :

A handwritten signature in black ink, appearing to read "J. L. King".

Address of Recipient :

A handwritten address in black ink, appearing to read "600 W. Illinois".

Thank you for selecting the Postal Service for your mailing needs.

If you require additional assistance, please contact your local Post Office or postal representative.

Sincerely,
United States Postal Service

One Concho Center
COG Operating, LLC
600 W. Illinois Avenue
Midland, TX 79701
Reference #: Appl to Inject Hoss 11 SWD #1

Linda Stafford

From: Amy Vaughan
Sent: Monday, February 05, 2018 8:39 AM
To: Linda Stafford
Subject: FW: Document Delivered

Simple Certified delivery confirmation.

From: webmaster@simplecertifiedmail.com [<mailto:webmaster@simplecertifiedmail.com>]
Sent: Saturday, February 03, 2018 3:07 PM
To: Amy Vaughan
Subject: Document Delivered

A document with a tracking code of 9414810699945028648023 and reference number of Appl to Inject Hoss 11 SWD #1 was successfully delivered to One Concho Center at COG Operating, LLC.



Date: February 6, 2018

Simple Certified:

The following is in response to your February 6, 2018 request for delivery information on your Certified Mail™/RRE item number 9414810699945028647972. The delivery record shows that this item was delivered on February 6, 2018 at 12:48 pm in DALLAS, TX 75240. The scanned image of the recipient information is provided below.

Signature of Recipient :

A handwritten signature in black ink, consisting of a stylized, cursive script that is difficult to decipher but appears to be a personal name.

Address of Recipient :

Handwritten address in black ink: "LBJ" on the top line, "5400" on the second line, and "#1500" on the third line.

Thank you for selecting the Postal Service for your mailing needs.

If you require additional assistance, please contact your local Post Office or postal representative.

Sincerely,
United States Postal Service

One Lincoln Center
Matador Resources
5400 LBJ Freeway, Suite 1500
Dallas, TX 75240
Reference #: Appl to Inject Hoss 11 SWD #1

Linda Stafford

From: Amy Vaughan
Sent: Wednesday, February 07, 2018 8:41 AM
To: Linda Stafford
Subject: FW: Document Delivered

Simple Certified delivery confirmation. Signature page has been sent to the printer in the Engineering Dept.

From: webmaster@simplecertifiedmail.com [<mailto:webmaster@simplecertifiedmail.com>]
Sent: Tuesday, February 06, 2018 2:56 PM
To: Amy Vaughan
Subject: Document Delivered

A document with a tracking code of 9414810699945028647972 and reference number of Appl to Inject Hoss 11 SWD #1 was successfully delivered to One Lincoln Center at Matador Resources.



Date: February 5, 2018

Simple Certified:

The following is in response to your February 5, 2018 request for delivery information on your Certified Mail™/RRE item number 9414810699945028647927. The delivery record shows that this item was delivered on February 5, 2018 at 10:42 am in TULSA, OK 74103. The scanned image of the recipient information is provided below.

Signature of Recipient :

A handwritten signature in black ink that reads "Justin Wallace".

Address of Recipient :

A handwritten address in black ink that reads "202 Cheyenne".

Thank you for selecting the Postal Service for your mailing needs.

If you require additional assistance, please contact your local Post Office or postal representative.

Sincerely,
United States Postal Service

Cimarex Energy Co.
202 S. Cheyenne, Suite 1000
Tulsa, OK 74103
Reference #: Appl to Inject Hoss 11 SWD #1

Linda Stafford

From: Amy Vaughan
Sent: Monday, February 05, 2018 4:08 PM
To: Linda Stafford
Subject: FW: Document Delivered

Simple Certified delivery confirmation. I have sent the signature page to the printer in Engineering.

From: webmaster@simplecertifiedmail.com [<mailto:webmaster@simplecertifiedmail.com>]
Sent: Monday, February 05, 2018 1:06 PM
To: Amy Vaughan
Subject: Document Delivered

A document with a tracking code of 9414810699945028647927 and reference number of Appl to Inject Hoss 11 SWD #1 was successfully delivered to Cimarex Energy Co..

January 21, 2018

Affidavit of Publication


State of New Mexico,
County of Eddy, ss.

Danny Fletcher, being first duly
sworn, on oath says:

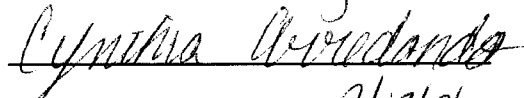
That he is the Publisher of the
Carlsbad Current-Argus, a
newspaper published daily at the
City of Carlsbad, in said county of
Eddy, state of New Mexico and of
general paid circulation in said
county; that the same is a duly
qualified newspaper under the laws
of the State wherein legal notices
and advertisements 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:

January 21 2018

That the cost of publication is **\$72.21**
and that payment thereof has been
made and will be assessed as court
costs.



Subscribed and sworn to before me
this 23 day of January, 2018



My commission Expires 2/13/21

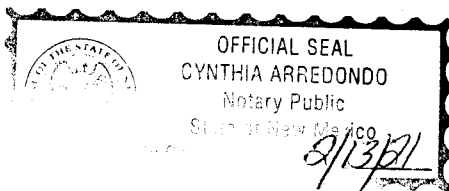
Notary Public

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 Hoss 11 SWD #1 as a commercial salt water disposal well.

The Hoss 11 SWD #1 is located 200' FNL and 215' FEL, Unit Letter A, Section 11, Township 25 South, Range 28 East, NMPM, Eddy County, New Mexico. The well will dispose of water produced from nearby oil and gas wells into the Devonian formation into an open-hole interval from a depth of 14,450 feet to 15,650 feet. Expected maximum injection rates are 30,000 BWPD at a maximum injection pressure of 2,890 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 Tim Harrington, Mewbourne Oil Company, 3620 Old Bullard Road, Tyler, Texas 75701, (903)-534-7647. The well is located approximately 5.2 miles Southeast of Malaga, New Mexico.



MEWBOURNE OIL COMPANY

MAR 09 2018 AM 10:37

P.O. BOX 7698
TYLER, TEXAS 75711
903-561-2900
FAX 903-561-1045

March 8, 2018

New Mexico Oil Conservation Division
Engineering Bureau
Attn: Mr. Phillip Goetz
1220 South St. Francis Dr.
Santa Fe, NM 87505

Re: C-108 Application for SWD Well
Hoss 11 SWD #1
200' FNL & 215' FEL , Unit A
Section 11, Township 25 South, Range 28 East
Eddy County, New Mexico

Dear Mr. Goetz:

Per your recent request, attached are the following documents to be added to our Hoss 11 SWD #1 C-108 application:

1. Expanded tabulation of wells within 1 mile radius Area of Review (no Devonian penetrations noted)
2. Revised 1 mile radius offset operator map. Application documentation has been sent to the operators highlighted in red. Return receipts will be forwarded to you next week
3. Revised surface owner, mineral owner and offset operator mailing list
4. Map of active, pending applications and permitted Devonian SWD's nearby our Hoss 11 application (distance between wells noted)
5. Map of documented faults, documented earthquakes and Devonian SWD activity
6. Seismicity statement

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

Sincerely yours,

MEWBOURNE OIL COMPANY



Tim Harrington
Reservoir Engineer
tharrington@mewbourne.com
903-534-7647

30-Jan-18

V	30015280020000	HOSS STATE	MEMBOUN OIL COMPANY	2	255	282	1390 FEL 660 FEL CONGRESS SECTION	SAI LORENZO	PERMIT	8839	WOZ CAMP	10730	WOZ CAMP	13550	MORROW	87356	BORE SPRING	12865	BORE SPRING	13850	BORE SPRING
V	30015280020001	HOSS BUK STATE	RONAS PETRO ELUM CORPORATION	1	255	282	1390 FEL 660 FEL CONGRESS SECTION	WILLOW LAKE SW	PBA	6600	BORE SPRING	6600	BORE SPRING	6600	BORE SPRING	6600	BORE SPRING	6600	BORE SPRING	6600	BORE SPRING
V	30015280020002	HOSS BUK STATE	MEMBOUN OIL COMPANY	1	255	282	1390 FEL 660 FEL CONGRESS SECTION	WILLOW LAKE	ACTIVE	6600	BORE SPRING	6600	BORE SPRING	6600	BORE SPRING	6600	BORE SPRING	6600	BORE SPRING	6600	BORE SPRING
H	30015343940000	HOSS 2 B2PA FED.COM	MEMBOUN OIL COMPANY	1H	255	282	135 FEL 530 FEL CONGRESS SECTION	SAI LORENZO NORTH	PERMIT	8839	WOZ CAMP	10730	WOZ CAMP	13550	MORROW	87356	BORE SPRING	12865	BORE SPRING	13850	BORE SPRING
H	30015343940000	HOSS 2 WZPA FED.COM	MEMBOUN OIL COMPANY	1H	255	282	135 FEL 450 FEL CONGRESS SECTION	SAI LORENZO NORTH	PERMIT	8839	WOZ CAMP	10730	WOZ CAMP	13550	MORROW	87356	BORE SPRING	12865	BORE SPRING	13850	BORE SPRING
H	30015415150000	HOSS 2-11 B2BO FEDERAL.COM	MEMBOUN OIL COMPANY	002H	255	282	135 FEL 1560 FEL CONGRESS SECTION	SAI LORENZO NORTH	ACTIVE	18370	BORE SPRING	18370	WOZ CAMP	10730	WOZ CAMP	13550	MORROW	87356	BORE SPRING	12865	BORE SPRING
H	30015415150000	HOSS 2-11 WZBO FED.COM	MEMBOUN OIL COMPANY	001H	255	282	135 FEL 1700 FEL CONGRESS SECTION	PURPLE AGE	PBA	20634	WOZ CAMP	10730	WOZ CAMP	13550	MORROW	87356	BORE SPRING	12865	BORE SPRING	13850	BORE SPRING
H	30015436920001	SU.DRHW 11.7FBL.COM	GETTY OIL COMPANY	1	255	282	1380 FEL 1380 FEL CONGRESS SECTION	EDDY UNDESIGNATED	ACTIVE	13550	WOZ CAMP	10730	WOZ CAMP	13550	MORROW	87356	BORE SPRING	12865	BORE SPRING	13850	BORE SPRING
H	30015436920001	SALT DRHWY 11. FEDERAL.COM	BIRD CREEK RESOURCES INCORPORATED	1	255	282	1380 FEL 1380 FEL CONGRESS SECTION	SAI LORENZO NORTH	ACTIVE	13550	WOZ CAMP	10730	WOZ CAMP	13550	MORROW	87356	BORE SPRING	12865	BORE SPRING	13850	BORE SPRING
H	30015410250000	SAUT DRHWY 11. FEDERAL.COM	COR OPERATING LIMITED LIABILITY CORP	1H	255	282	1370 FEL 900 FEL CONGRESS SECTION	SAI LORENZO NORTH	ACTIVE	13550	WOZ CAMP	10730	WOZ CAMP	13550	MORROW	87356	BORE SPRING	12865	BORE SPRING	13850	BORE SPRING

ESTIMATED TOP OF THE DEVONIAN = 14,1450

7-Mar-18

[illegible]ESTIMATED TOP OF THE DEVONIAN $\approx 14,1450$

Original Operator Name	Current Operator	Sec	Top	Rope Footage	Field Name	Status	IP Prod Form Name	Driller Td	Tvd Ft	Form at TD	Proj Depth	Proj Form	Permit Date	Spud Date	Comp Date
RONAUERO COMPANY INCORPORATED	MEWBOURNE OIL COMPANY	2	255	28E 1980 FSL 660 FEL CONGRESS SECTION	SAN LORENZO	P&A	BRUSHY CANYON	6600	6600	BONE SPRING	6600	BONE SPRING	1994-11-12	1994-11-22	1998-04-13
VATES PETROLEUM CORPORATION	MEWBOURNE OIL COMPANY	2	255	28E 1980 FSL 660 FEL CONGRESS SECTION	WILLOW LAKE SW	P&A	DELAWARE	6600	6600	BONE SPRING	6120	DELAWARE	2005-08-29	2005-08-31	2005-10-31
MEWBOURNE OIL COMPANY	MEWBOURNE OIL COMPANY	2	255	28E 1980 FSL 660 FEL CONGRESS SECTION	WILLOW LAKE	ACTIVE	DELAWARE	6600	6600	BONE SPRING		DELAWARE	2013-04-24	2013-04-29	2013-06-08
MEWBOURNE OIL COMPANY	MEWBOURNE OIL COMPANY	2	255	28E 185 FSL 530 FEL CONGRESS SECTION	SAN LORENZO NORTH	PERMIT	BONE SPRING	12846		BONE SPRING	12846	BONE SPRING	2016-10-24		
MEWBOURNE OIL COMPANY	MEWBOURNE OIL COMPANY	2	255	28E 185 FSL 450 FEL CONGRESS SECTION	SALT DRAW	PERMIT	BONE SPRING	13209		WOLF CAMP	13209	WOLF CAMP	2017-05-03	2017-05-15	2017-11-06
MEWBOURNE OIL COMPANY	MEWBOURNE OIL COMPANY	2	255	28E 185 FSL 1650 FEL CONGRESS SECTION	SAN LORENZO NORTH	ACTIVE	BONE SPRING	18370	8309	BONE SPRING	18198	BONE SPRING	2017-05-03	2017-06-11	2017-11-07
MEWBOURNE OIL COMPANY	MEWBOURNE OIL COMPANY	2	255	28E 185 FSL 1700 FEL CONGRESS SECTION	PURPLE SAGE	ACTIVE	WOLF CAMP	20624	10720	WOLF CAMP	20560	WOLF CAMP	2017-05-03	2017-05-11	1982-05-28
GETTY OIL COMPANY	MATADOR PRODUCTION COMPANY	11	255	28E 1880 FSL 1980 FEL CONGRESS SECTION	EDDY UNDESIGNATED	P&A	MORROW UPPER	13550	13550	MORROW	13500	WOLF CAMP	1981-03-20	1981-03-30	1982-04-05
BIRD CREEK RESOURCES INCORPORATED	MATADOR PRODUCTION COMPANY	11	255	28E 1880 FSL 1980 FEL CONGRESS SECTION	SAN LORENZO NORTH	ACTIVE	BONE SPRING	13550	13550	MORROW	6563	BONE SPRING	1992-03-26	1992-04-05	1992-04-12
COG OPERATING LIMITED LIABILITY CORP	COG OPERATING LIMITED LIABILITY CORP	12	255	28E 170 FSL 900 FSL CONGRESS SECTION	SAN LORENZO NORTH	ACTIVE	BONE SPRING	12855	8296	BONE SPRING	12937	BONE SPRING	2013-01-30	2013-02-19	2013-06-20

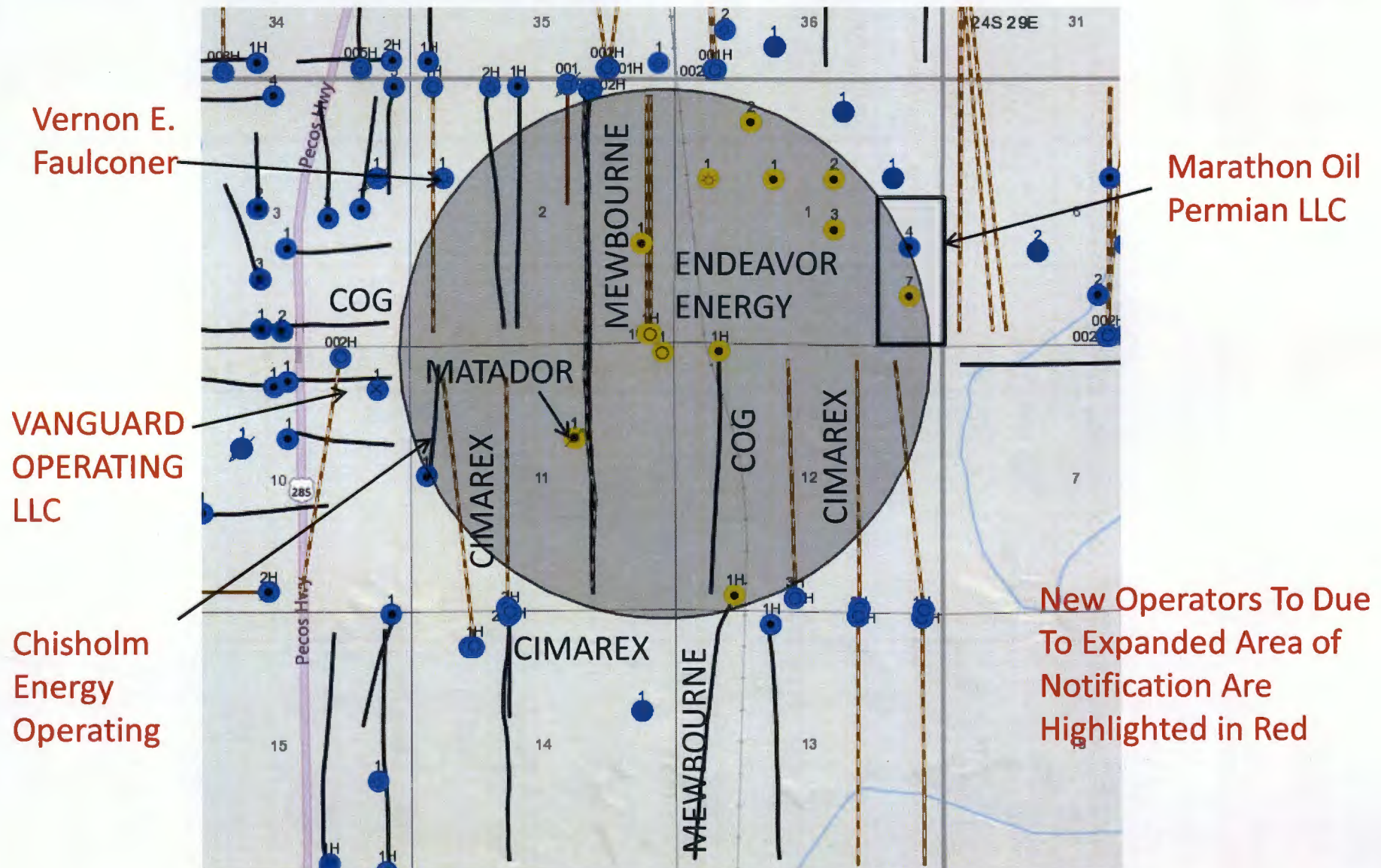
THERE ARE NO WELLS WITHIN THE 1/2 MILE RADIUS OF REVIEW THAT PENETRATE THE DEVONIAN FORMATION
ESTIMATED TOP OF THE DEVONIAN = 14,1450'

1 MILE RADIUS

Original Operator Name	Current Operator	Sec	Top	Rope Footage	Field Name	Status	IP Prod Form Name	Driller Td	Tvd Ft	Form at TD	Proj Depth	Proj Form	Permit Date	Spud Date	Comp Date
ENFIELD ROBERT N	ENFIELD ROBERT N	1	255	28E 1980 FSL 660 FSL CONGRESS SECTION	WINDCAT	DRYHOLE / P&A		2723	2723	DELAWARE	2723	DELAWARE	1974-02-17	1974-02-27	1974-03-21
ST MARTY LAND & EXPLORATION COMPANY	ENDAVOR ENERGY RESOURCES LIMITED PARTS	1	255	28E 1980 FSL 1980 FSL CONGRESS SECTION	WILLOW LAKE	ACTIVE	DELAWARE	5300	5320	DELAWARE	5300	DELAWARE	1997-01-23	1997-02-02	1997-04-24
BC OPERATING INCORPORATED	ENDAVOR ENERGY RESOURCES LIMITED PARTS	1	255	28E 1902 FSL 190 FSL CONGRESS SECTION	WILLOW LAKE	ACTIVE	DELAWARE	5130	5130	CANYON SD	5130	DELAWARE	1999-11-03	1999-12-11	2000-02-18
BC OPERATING INCORPORATED	MARATHON OIL PENNMAN LLC	1	255	28E 1982 FSL 660 FEL CONGRESS SECTION	WILLOW LAKE	SI	DELAWARE	5210	5210	DELAWARE	5210	DELAWARE	2010-03-03	2010-07-20	2010-12-24
SHUTE OIL & GAS CORPORATION	ENDAVOR ENERGY RESOURCES LIMITED PARTS	1	255	28E 1960 FSL 660 FEL CONGRESS SECTION	WILLOW LAKE	ACTIVE	DELAWARE	6300	6500	BONE SPRING	6300	DELAWARE	2010-12-08	2010-12-20	2011-03-24
MEWBOURNE OIL COMPANY	ENDAVOR ENERGY RESOURCES LIMITED PARTS	1	255	28E 1935 FSL 2130 FEL CONGRESS SECTION	WILLOW LAKE	ACTIVE	DELAWARE	6450	6450	DELAWARE	5191	DELAWARE	1994-04-28	1994-07-22	1994-09-28
MEWBOURNE OIL COMPANY	MEWBOURNE OIL COMPANY	2	255	28E 155 FSL 2170 FSL CONGRESS SECTION	SAN LORENZO NORTH	ACTIVE	BONE SPRING	12807	8290	BONE SPRING	12807	BONE SPRING	2013-03-12	2013-06-04	2013-09-28
MEWBOURNE OIL COMPANY	FAULCONER VERNON E INCORPORATED	2	255	28E 150 FSL 1670 FSL CONGRESS SECTION	WC SALT DRAW	ACTIVE	WOLF CAMP	13280	10701	WOLF CAMP	13300	WOLF CAMP	2013-10-09	2013-12-31	2014-02-27
COG OPERATING LIMITED LIABILITY CORP	COG OPERATING LIMITED LIABILITY CORP	2	255	28E 100 FSL 660 FSL CONGRESS SECTION	SALT DRAW	ACTIVE	ATOKA	13400	13400	MORROW	13400	ATOKA	1985-01-17	1985-01-27	1985-11-13
MARBOB ENERGY CORPORATION	COG OPERATING LIMITED LIABILITY CORP	2	255	28E 100 FSL 2140 FEL CONGRESS SECTION	WILLOW LAKE	DRYHOLE / P&A		6480	6480	BONE SPRING	6480	DELAWARE	2007-05-03	2007-05-20	2007-06-10
NEARBYING PRODUCING COMPANY	CHICKSOM ENERGY OPERATING LLC	11	255	28E 1550 FSL 330 FSL CONGRESS SECTION	SMUD		DELAWARE	6480	6480	BONE SPRING	6480	DELAWARE	2007-10-20	2007-12-03	2008-01-07
CMAREX ENERGY CO OF COLORADO	CMAREX ENERGY CO OF COLORADO	14	255	28E 700 FSL 1310 FSL	WILLOW LAKE SW	SI	BRUSHY CANYON	6850	5109	BRUSHY CANYON	6850	DELAWARE	2005-11-17	2005-12-09	2006-02-28
CMAREX ENERGY CO OF COLORADO	CMAREX ENERGY CO OF COLORADO	12	255	28E 75 FSL 1980 FSL CONGRESS SECTION	SAN LORENZO	PERMIT		10507	WOLF CAMP		15660	WOLF CAMP	2014-01-21		
CMAREX ENERGY COMPANY	CMAREX ENERGY CO OF COLORADO	12	255	28E 75 FSL 1980 FSL CONGRESS SECTION	SAN LORENZO	PERMIT		10519	WOLF CAMP		14877	WOLF CAMP	2014-01-21		
CMAREX ENERGY COMPANY	CMAREX ENERGY CO OF COLORADO	12	255	28E 75 FSL 1650 FEL CONGRESS SECTION	SAN LORENZO NORTH	PERMIT		6737	DELAWARE		11565	DELAWARE	2014-02-19		
CMAREX ENERGY CO OF COLORADO	CMAREX ENERGY CO OF COLORADO	12	255	28E 75 FSL 1650 FEL CONGRESS SECTION	SAN LORENZO NORTH	PERMIT		8368	BONE SPRING		13081	BONE SPRING	2014-01-21		
CMAREX ENERGY CO OF COLORADO	CMAREX ENERGY CO OF COLORADO	12	255	28E 275 FSL 2375 FSL CONGRESS SECTION	SAN LORENZO NORTH	PERMIT		8347	BONE SPRING		12861	BONE SPRING	2014-02-19		
MEWBOURNE OIL COMPANY	MEWBOURNE OIL COMPANY	12	255	28E 190 FSL 1170 FSL CONGRESS SECTION	WILLOW LAKE SE	ACTIVE	BONE SPRING	13305	8305	BONE SPRING	13305	BONE SPRING	2013-07-16	2013-10-29	2013-12-18

THERE ARE NO WELLS WITHIN THE 1 MILE RADIUS OF REVIEW THAT PENETRATE THE DEVONIAN FORMATION
ESTIMATED TOP OF THE DEVONIAN = 14,1450'

MEWBOURNE OIL COMPANY
HOSS 11 SWD #1 PERMIT APPLICATION
OFFSET OPERATOR MAP – 1 MILE RADIUS



Revision 2: Listing of Notified Persons

Hoss 11 SWD #1 Application
200' FNL & 215' FEL
Section 11, T25S, R28E, Eddy County, NM
March 6, 2018

Surface Owner

Joy Cooksey
P.O. Box 45
Carlsbad, NM 88220

Mineral Owner N/2 NE/4

Velta Jean Daigneault
P.O. Box 1073
Phnom Penh, Cambodia 12000

Larry Philips
PO Box 2197
Midland, TX 79702

Empire Energy, LLC
70 Riverside
Roswell, New Mexico 88201

New State Gas, LLC
1213 West Third Street
Roswell, New Mexico 88201

Morris E. Schertz
P.O. Box 2588
Roswell, NM 88202

Joy Elizabeth Cooksey
P.O. Box 45
Carlsbad, NM 88220

James Monroe Cooksey, III
P.O. Box 103
Malaga, NM 88263

Rowan Family Minerals, LLC
P.O. Box 109
Andrews, TX 79714

Cirrus Minerals, LLC
1111 Bagby Street, Suite 2150
Houston, TX 77002

PEP II Management, LLC
330 Marshall Street, Suite 300
Shreveport, Louisiana 71101

Benny Mays Jenkins
4023 Lea Street
Carlsbad, NM 88220

NOTE: Sent to home by certified mail but USPS left packet without obtaining signature. Delivery confirmed by phone and by email (copy attached).

James Matthew Jenkins
112 SW Avenue C
Seminole, TX 79360

Leanne Jenkins Hacker
162 One Horse Road
Roswell, NM 88201

Chevron U.S.A. Inc.
1400 Smith Street
Houston, TX 77002

Offsetting Operators Within ½ Mile

Endeavor Energy Resources LP
110 North Marienfeld, Suite 200
Midland, TX 79701

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

Matador Resources
One Lincoln Center
5400 LBJ Freeway, Suite 1500
Dallas, TX 75240

Cimarex Energy Co.
202 S. Cheyenne, Suite 1000
Tulsa, OK 74103

Additional Operators Within ½ Mile to 1 Mile







Chisholm Energy Operating, LLC
881 Cherry Street, Suite 1200- Unit 20
Fort Worth, TX 76102

Marathon Oil Permian LLC
5555 San Felipe St.
Houston, TX 77056

Vernon E. Faulconer, Inc.
P.O. Box 7995
Tyler, TX 75711

Vanguard Operating, LLC
5847 San Felipe, Suite 3000
Houston, TX 77057

DEVONIAN SWD WELL TYPES

-  PERMITTED DISPOSAL WELL
-  ACTIVE DISPOSAL WELL
-  PLUGGED DISPOSAL WELLS
-  TEMPORARILY ABANDON
-  SHUT - IN REASON UNKNOWN
-  PENDING APPLICATION



**MESQUITE SWD
VAL SWD 001**

33

34

35

36

31

32

2.16 MILES

**MEWBOURNE OIL
HOSS 11 SWD 1**

**XTO
GOLDENCHILD 6 STATE SWD**

2 MILES

8

9

10

11

12

7

8

2.39 MILES

**MEWBOURNE OIL
SAN LORENZO SWD 2**

**COG
WILLOW 17 STATE SWD 1**

15

SOLARIS

13

18

17

LOBO 285 STATE SWD 1

25S 28E

MOC Mewbourne Oil Company

PROPOSED HOSS 11 SWD WELL
SEC. 11 25S 28E
EDDY CO. NM

Tech:
Steve Daughtry

Scale:

Date:
8 March, 2018

Mewbourne Oil Company
Hoss 11 SWD #1
C-108 Attachment
March 6, 2018

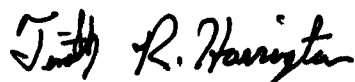
STATEMENTS REGARDING SEISMICITY AND WELL SPACING

Historically, the area nearby our proposed Hoss 11 SWD #1 has not seen seismic activity. There have been two seismic events (per USGS database) in this area in 1978 and 2012, and both are over 12 miles away from our proposed SWD.

Mewbourne Oil Company does not own 2D or 3D seismic data near our proposed SWD therefore our fault interpretation is based on subsurface mapping and data obtained from public technical sources. Based off our subsurface mapping of the deep formations, Mewbourne has not interpreted any faults in the immediate area. Our map does include a Precambrian fault documented by Ruppel, et al. (2005), that is located approximately 4.6 miles SW of our proposed SWD.

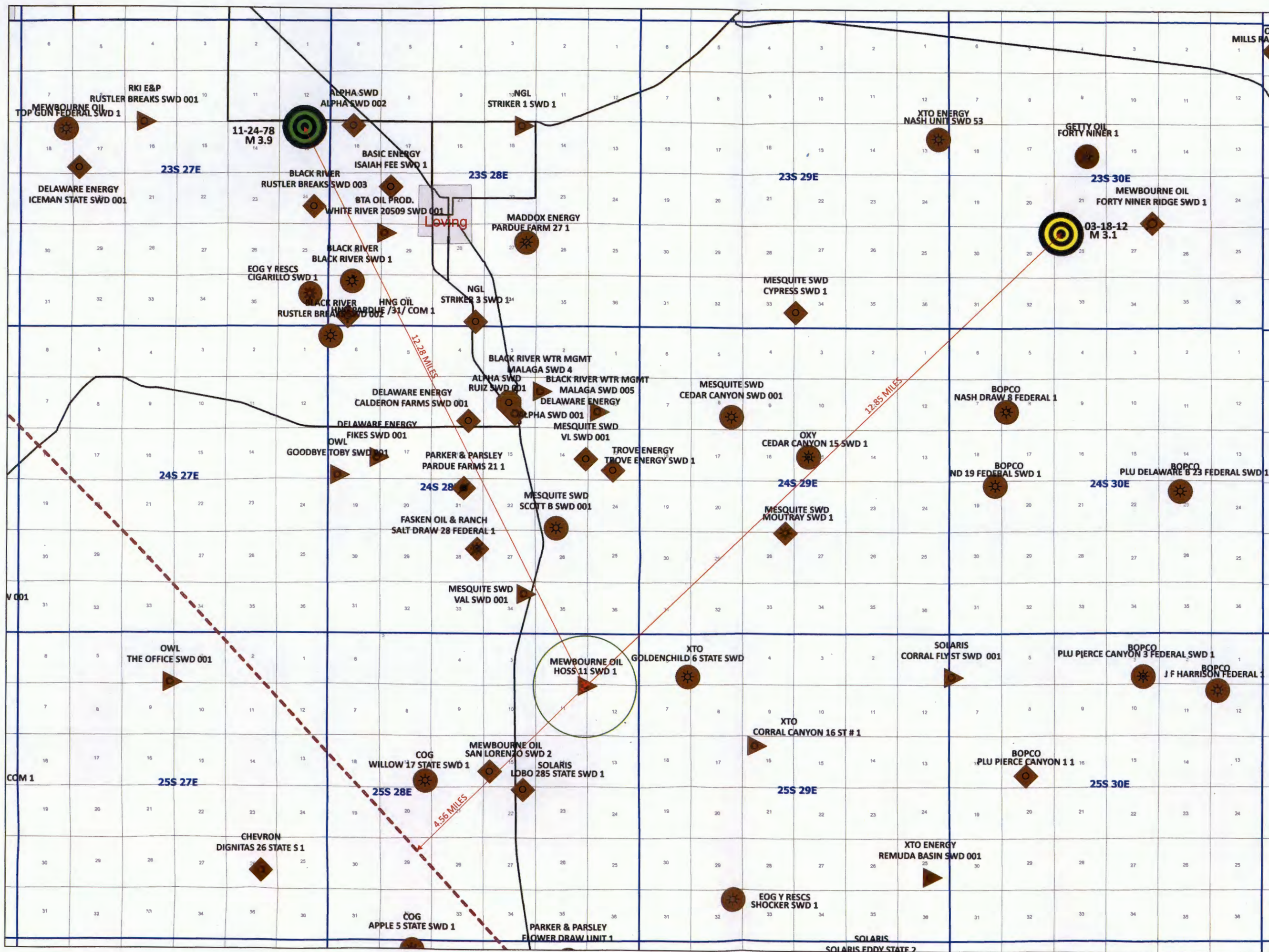
A very recent technical paper written by Snee and Zoback, "State of Stress in the Permian, Basin, Texas and New Mexico: Implications for induced seismicity", that was published in the February 2018 edition of The Leading Edge, evaluates the strike-slip probability, using probabilistic FSP analysis, of known Permian Basin faults. This study predicts that the Precambrian fault located on our map has less than a 10% probability of being critically stressed so as to create an induced seismicity event. The main reason for this low probability is due to the relationship of the strike of this fault to the regional Shmax orientation (approx. N 35 deg E) in this area.

Our Hoss 11 SWD #1 has been purposely located 2 miles away from any active, permitted or pending Devonian SWD application (see map), to meet current OCD and industry recommended practices.



Timothy R. Harrington

Reservoir Engineer
tharrington@mewbourne.com
903-534-7647



- DEVONIAN SWD WELL TYPES**
- PERMITTED DISPOSAL WELL
 - ACTIVE DISPOSAL WELL
 - PLUGGED DISPOSAL WELLS
 - TEMPORARILY ABANDON
 - SHUT - IN REASON UNKNOWN
 - PENDING APPLICATION

FAULT LINE
Ruppel et. al. (2005)

**ONE MILE
RADIUS**



USGS EARTHQUAKE SYMBOL

Mewbourne Oil Company	
PROPOSED HOSS 11 SWD WELL	
Sec. 11-28E-28E EDDY NEW MEXICO	
Tech: Steve Daugherty	Date: 8 March, 2018

Goetze, Phillip, EMNRD

From: Tim Harrington <tharrington@mewbourne.com>
Sent: Wednesday, March 14, 2018 1:20 PM
To: Goetze, Phillip, EMNRD
Subject: HOSS 11 SWD - RETURN RECEIPTS - 1 MILE NOTIFICATION
Attachments: MOC HOSS 11 SWD RETURN RECEIPTS 1 MILE RADIUS.pdf

Hi Phillip:

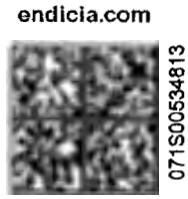
Attached are return receipts from 4 additional operators that had to be notified when we expanded our area of review to one mile. Please get back with me if you have any questions. Thanks.

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

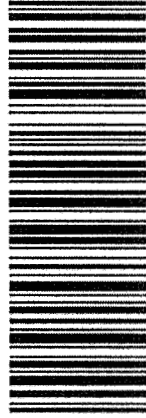
W- 903-561-2900 (Ext 7647)
C – 832-217-6852
tharrington@mewbourne.com

Mewbourne Oil Company
PO BOX 7698
TYLER TX 75711-7698

US POSTAGE AND FEES PAID
FIRST-CLASS
Mar 08 2018
Mailed from ZIP 75711
5 oz First-Class Mail Flats Rate
CID: 22826



USPS CERTIFIED MAIL



9414 8106 9994 5029 6982 49

Vanguard Operating, LLC
5847 SAN FELIPE ST STE 3000
HOUSTON TX 77057-3399



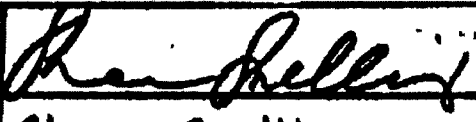


Date: March 13, 2018

Tim Harrington:

The following is in response to your March 13, 2018 request for delivery information on your Certified Mail™/RRE item number 9414810699945029698249. The delivery record shows that this item was delivered on March 13, 2018 at 3:26 pm in HOUSTON, TX 77057. The scanned image of the recipient information is provided below.

Signature of Recipient :

Signature	
Printed Name	Shea Shelling

Address of Recipient :

Delivery Address	
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Thank you for selecting the Postal Service for your mailing needs.

If you require additional assistance, please contact your local Post Office or postal representative.

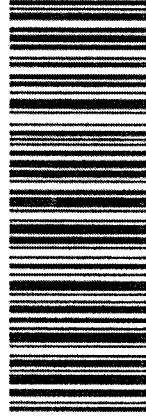
Sincerely,
United States Postal Service

Mewbourne Oil Company
PO BOX 7698
TYLER TX 75711-7698

US POSTAGE AND FEES PAID
FIRST-CLASS
Mar 08 2018
Mailed from ZIP 75711
5 oz First-Class Mail Flats Rate

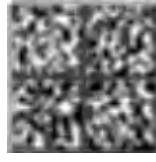
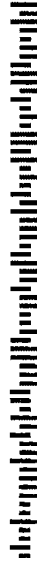
CID: 22826

USPS CERTIFIED MAIL



9414 8106 9994 5029 6983 31

Chisholm Energy Operating, LLC
881 Cherry Street, Suite 1200-Unit 20
FORT WORTH TX 76102



endicia.com

071S00534813

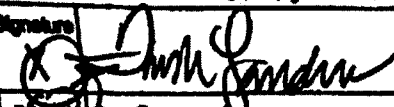


Date: March 12, 2018

Tim Harrington:

The following is in response to your March 12, 2018 request for delivery information on your Certified Mail™/RRE item number 9414810699945029698331. The delivery record shows that this item was delivered on March 12, 2018 at 2:23 pm in FORT WORTH, TX 76102. The scanned image of the recipient information is provided below.

Signature of Recipient :

Delivery Record	
Signature	
Printed Name	Trish Sanders

Address of Recipient :

Delivery Address	801 Cherry Hill
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Thank you for selecting the Postal Service for your mailing needs.

If you require additional assistance, please contact your local Post Office or postal representative.

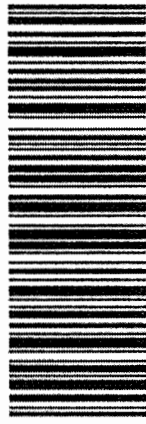
Sincerely,
United States Postal Service

Mewbourne Oil Company
PO BOX 7698
TYLER TX 75711-7698

US POSTAGE AND FEES PAID
FIRST-CLASS
Mar 08 2018
Mailed from ZIP 75711
5 oz First-Class Mail Flats Rate
CID: 22826



USPS CERTIFIED MAIL



9414 8106 9994 5029 6983 00

Marathon Oil Permian LLC
5555 SAN FELIPE ST
HOUSTON TX 77056-2701





Date: March 12, 2018

Tim Harrington:

The following is in response to your March 12, 2018 request for delivery information on your Certified Mail™/RRE item number 9414810699945029698300. The delivery record shows that this item was delivered on March 12, 2018 at 1:36 pm in HOUSTON, TX 77056. The scanned image of the recipient information is provided below.

Signature of Recipient :

A handwritten signature in black ink, appearing to be "Tim Harrington", written over a light background.

Address of Recipient :

A handwritten address in black ink, reading "5555 San Felipe" on the first line and "B112" on the second line.

Thank you for selecting the Postal Service for your mailing needs.

If you require additional assistance, please contact your local Post Office or postal representative.

Sincerely,
United States Postal Service

Mewbourne Oil Company
PO BOX 7698
TYLER TX 75711-7698

US POSTAGE AND FEES PAID
FIRST-CLASS
Mar 08 2018
Mailed from ZIP 75711
5 oz First-Class Mail Flats Rate

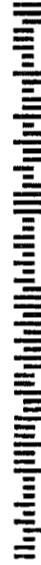
CID: 22826

USPS CERTIFIED MAIL



9414 8106 9994 5029 6981 57

Vernon E. Faulconer, Inc.
PO BOX 7995
TYLER TX 75711-7995



endicla.com

071S00534813

Tim Harrington

From: Cindy Boatman <cboatman@vefinc.com>
Sent: Wednesday, March 14, 2018 2:09 PM
To: Tim Harrington
Subject: RE: MEWBOURNE HOSS 11 SWD #1 - SEC 11-TWP 25S-RGE 28E, EDDY COUNTY, NM

Received. Our VP of Land will not be in the office until mid-week next week, however, I will get it in front of her as soon as possible.

Thank you,

Cindy Boatman, RPL
Vernon E. Faulconer, Inc.

Telephone: 903.581.4382 ext. 204
Fax: 903.581.5072
email: cboatman@vefinc.com

From: Tim Harrington [<mailto:tharrington@mewbourne.com>]
Sent: Wednesday, March 14, 2018 11:46 AM
To: Cindy Boatman
Subject: MEWBOURNE HOSS 11 SWD #1 - SEC 11-TWP 25S-RGE 28E, EDDY COUNTY, NM

Hi Cindy:

Jonathan White gave me your contact information. I hand delivered a copy of our Hoss 11 SWD permit application with attachments to your office this morning. We are required to notify your company since you operate a well within a one mile radius of our proposed SWD. Can you please confirm by email that you have received a copy of this application? You may eventually receive another copy that was sent by USPS Certified Mail on March 8th! Thanks.

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

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