

MA 10/16/2018  
km 10/15/2018

|            |           |       |                 |
|------------|-----------|-------|-----------------|
| RECEIVED:  | REVIEWER: | TYPE: | APP NO:         |
| 10/15/2018 |           | SWD   | DMAM18288 51695 |

ABOVE THE TABLE FOR OLD 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

|  |                              |
|--|------------------------------|
| <b>Applicant:</b> Mesquite SWD Inc     | <b>OGRID Number:</b> 161968  |
| <b>Well Name:</b> Linda SWD Well No. 1 | <b>API:</b> Not Yet Assigned |
| <b>Pool:</b> SWD Devonian              | <b>Pool Code:</b> N/A        |

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

- 1) **TYPE OF APPLICATION:** Check those which apply for [A]
- A. Location - Spacing Unit - Simultaneous Dedication  
 NSL       NSP (PROJECT AREA)       NSP (PERMITS/UNIT)       SD
- 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             |                              |
|--------------------------|------------------------------|
| <input type="checkbox"/> | Notice Complete              |
| <input type="checkbox"/> | 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.

Melanie Wilson  
 \_\_\_\_\_  
 Print or Type Name

*Melanie Wilson*  
 \_\_\_\_\_  
 Signature

10/4/2018  
 \_\_\_\_\_  
 Date

(873) 614-1161  
 \_\_\_\_\_  
 Phone Number

mpl692@gmail.com  
 \_\_\_\_\_  
 e-mail Address

October 4, 2018

Energy, Minerals and Natural Resources Department  
Oil Conservation Division  
1220 South St. Francis Drive  
Santa Fe, New Mexico 87505

Attention: Ms. Heather Riley  
Division Director

Re: Form C-108  
Linda SWD Well No. 1  
API No. (Not Yet Assigned)  
1530' FNL & 210' FWL, Unit E  
Section 21, T-25S, R-33E, NMPM,  
Lea County, New Mexico

Dear Ms. Riley,

Enclosed please find a Division Form C-108 (Application for Authorization to Inject) for the Mesquite SWD, Inc. Linda SWD Well No. 1. Mesquite SWD, Inc. proposes to drill and utilize this well as a produced water disposal well, injection to occur into the Siluro-Devonian formation through the open-hole interval from approximately 17,500 feet to 19,000 feet. Produced water from the Bone Spring, Wolfcamp and other formations originating from wells in this area will be injected into the well.

I believe that all the information necessary to approve the application is enclosed. If additional information is needed, please contact me at (575) 914-1461.

Sincerely,



Melanie Wilson-Regulatory Analyst  
Mesquite SWD, Inc.  
P.O. Box 1479  
Carlsbad, New Mexico 88221-1479

Xc: OCD-Hobbs

**APPLICATION FOR AUTHORIZATION TO INJECT**

- I. PURPOSE: Secondary Recovery Pressure Maintenance  Disposal Storage  
Application qualifies for administrative approval? Yes No
- II. OPERATOR: Mesquite SWD, Inc.  
ADDRESS: P.O. Box 1479, Carlsbad, New Mexico 88221-1479  
CONTACT PARTY: Melanie Wilson PHONE: 575-914-1461
- 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  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: Melanie Wilson TITLE: Regulatory Analyst  
SIGNATURE: Melanie Wilson DATE: 10/4/18  
E-MAIL ADDRESS: mjp1692@gmail.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: \_\_\_\_\_

DISTRIBUTION: Original and one copy to Santa Fe with one copy to the appropriate District Office

### 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.

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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.

DISTRICT I  
1825 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 RD., 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, New Mexico 87505

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

AMENDED REPORT

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

|               |                                      |                             |
|---------------|--------------------------------------|-----------------------------|
| API Number    | Pool Code                            | Pool Name                   |
| Property Code | Property Name<br><b>LINDA SWD</b>    |                             |
| OGRID No.     | Operator Name<br><b>MESQUITE SWD</b> |                             |
|               |                                      | Well Number<br><b>1</b>     |
|               |                                      | Elevation<br><b>3409.7'</b> |

**Surface Location**

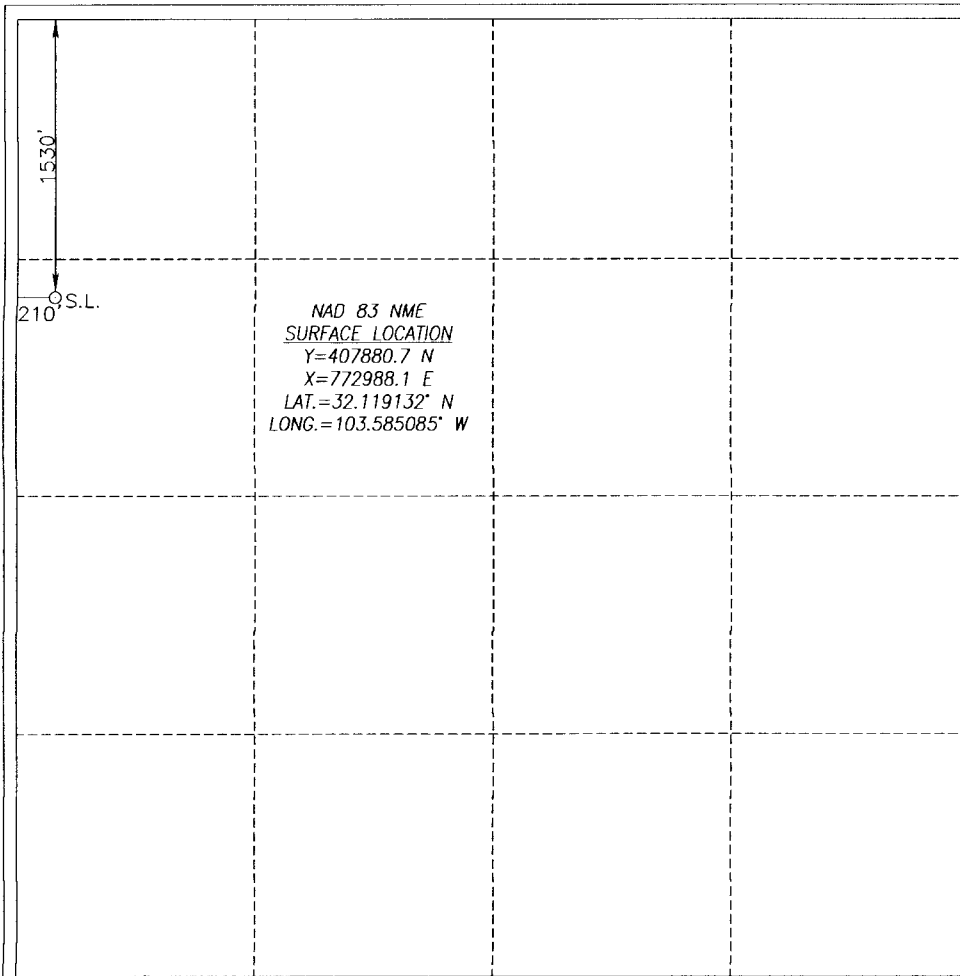
| UL or lot No. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| E             | 21      | 25-S     | 33-E  |         | 1530          | NORTH            | 210           | WEST           | LEA    |

**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 |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
|               |         |          |       |         |               |                  |               |                |        |

|                 |                 |                    |           |
|-----------------|-----------------|--------------------|-----------|
| Dedicated Acres | Joint or Infill | Consolidation Code | Order No. |
|                 |                 |                    |           |

**NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED  
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION**



**OPERATOR CERTIFICATION**

*I hereby certify that the information 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 mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.*

Signature \_\_\_\_\_ Date \_\_\_\_\_

Printed Name \_\_\_\_\_

E-mail Address \_\_\_\_\_

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**SURVEYOR CERTIFICATION**

*I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.*

SEPTEMBER 20, 2018

Date of Survey

Signature & Seal of Professional Surveyor

*Chad Harcrow* 9/27/18

Certificate No. CHAD HARCROW 17777

W.O. # 18-1136 DRAWN BY: AM



T 25 S

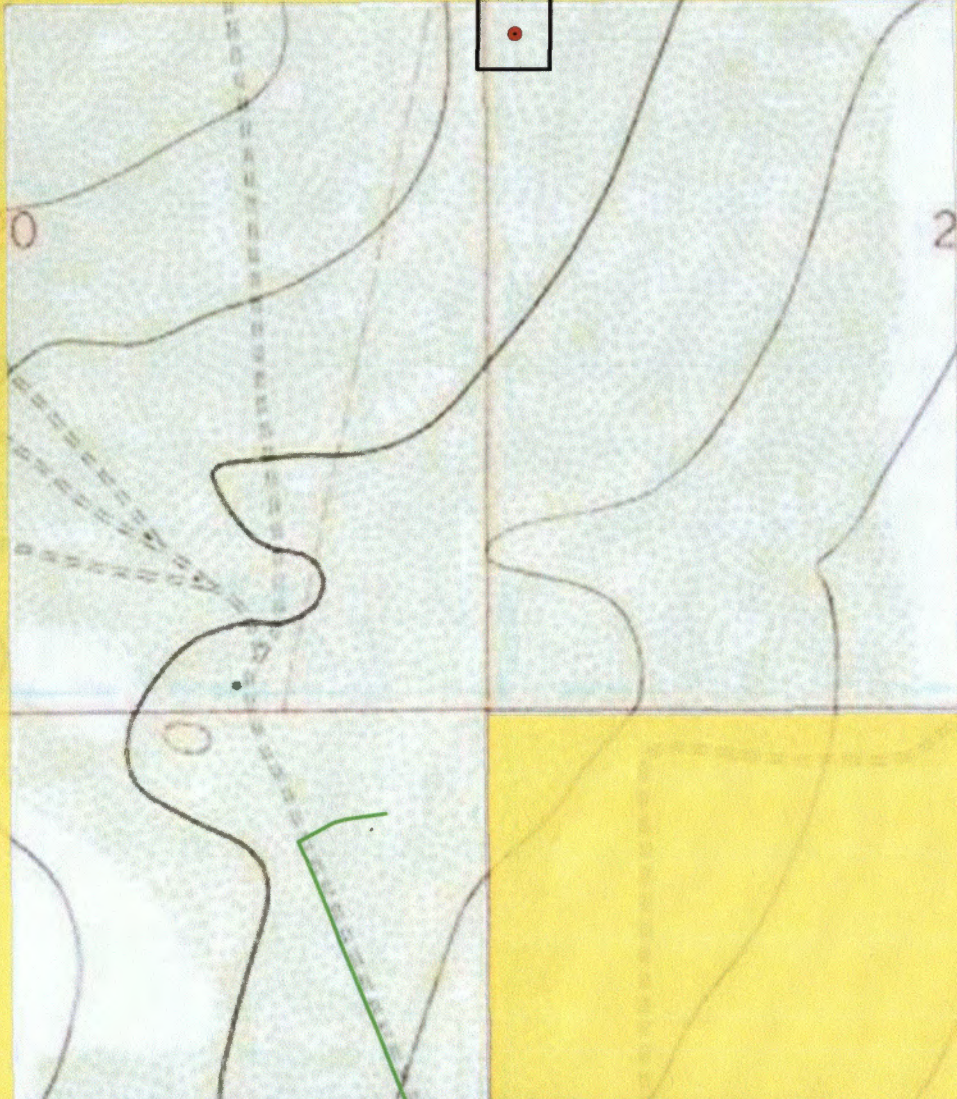
R  
3  
3  
E

17

16

Drill Hole 3624

LINDA SWD #1



**LEGEND**

- WELL
- WELLPAD
- EXISTING ROAD
- PRIVATE
- STATE OF NM
- US BLM

**LINDA SWD #1**

SEC: 21      TWP: 25 S.      RGE: 33 E.      ELEV: 3409.7'

STATE: NEW MEXICO      COUNTY: LEA      1530' FNL & 210' FWL

W.O. # 18-1224      LEASE: LINDA      SURVEY: N.M.P.M



LOCATION OVERVIEW      LAND STATUS      9/27/2018      A.M.

**MESQUITE SWD**



**HARCROW SURVEYING, LLC.**  
 2314 W. MAIN ST, ARTESIA, NM 88210  
 PH: (575) 746-2158 FAX: (575) 746-2158  
 TEXAS FIRM NO. 10194089  
 c.harcrow@harcrowsurveying.com









**Mesquite SWD, Inc.**  
**Linda SWD No. 1: Proposed Wellbore Schematic**  
**1530' FNL & 210' FWL (Unit E)**  
**Section 21, T-25S, R-33E, NMPM, Lea County, NM**

**Surface Casing:**

Hole Size: 26"  
 Size: 20" 94# J-55  
 Set @: 950'  
 Sx. Cmt: 1550  
 TOC: Surface

**1<sup>st</sup> Intermediate Casing:**

Hole Size: 17.5"  
 Size: 13.375" 68# P-110  
 Set @: 5,000'  
 Sx. Cmt: 3200  
 TOC: Surface

**2<sup>nd</sup> Intermediate Casing**

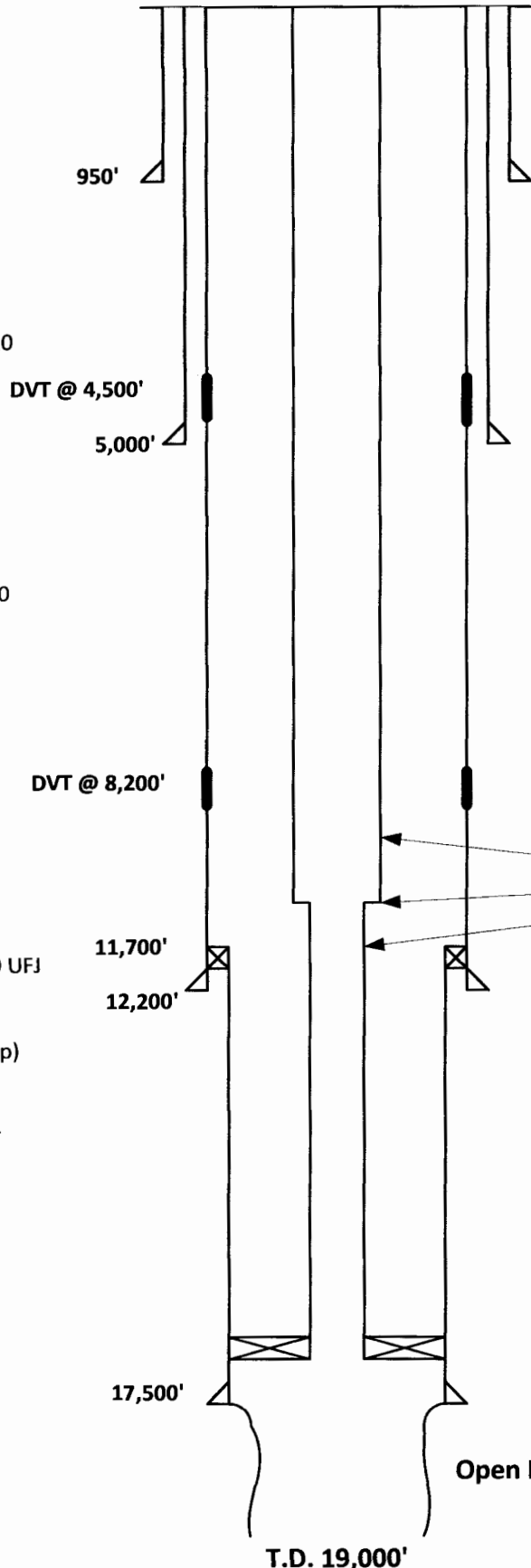
Hole Size: 12.5"  
 Size: 9.625 53.5# P-110  
 Set @: 12,200'  
 Stage Cemented; 3375 Sx.  
 DV Tools @ 8,200' & 4,500'  
 All Stages Circulate  
 TOC: Surface

**Liner**

Hole Size: 8.5"  
 Size: 7.625" 39# P-110 UFJ  
 Set @: 11,700'-17,500'  
 Sx. Cmt: 400  
 TOC: 11,700' (Liner Top)

**Open Hole Injection Interval**

Hole Size: 6 1/2"  
 Interval: 17,500'- 19,000'



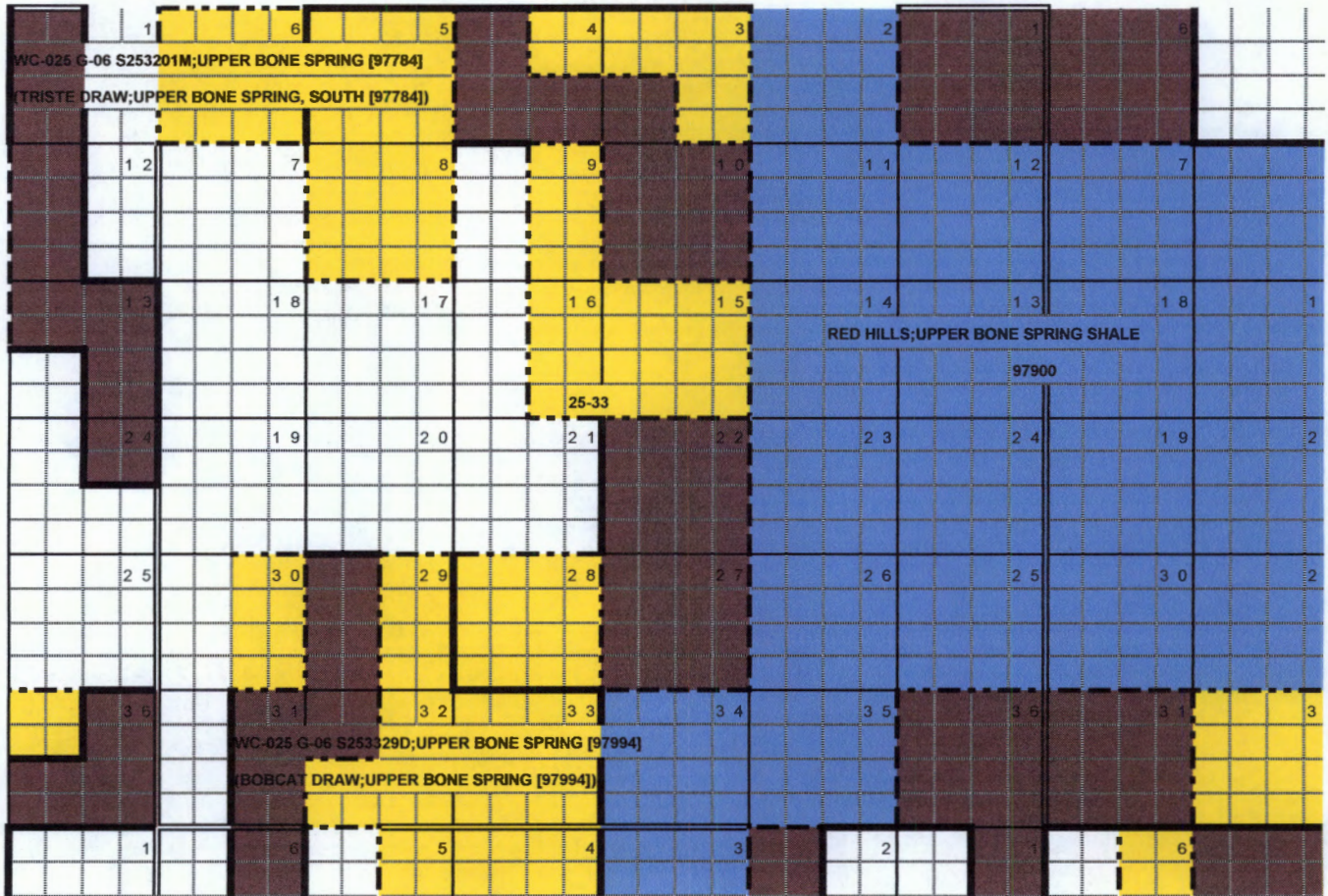
| Formation Tops:      |         |
|----------------------|---------|
| Rustler:             | 925'    |
| Top of Salt:         | 2,210'  |
| Delaware Lime:       | 4,955'  |
| Delaware Sand:       | 4,977'  |
| Bone Spring Lime:    | 9,324'  |
| Wolfcamp:            | 12,130' |
| Strawn:              | 14,198' |
| Atoka:               | 14,474' |
| Barnett:             | 15,596' |
| Miss. Lime:          | 16,940' |
| Woodford:            | 17,284' |
| Top Siluro-Devonian: | 17,500' |
| Montoya:             | 19,009' |

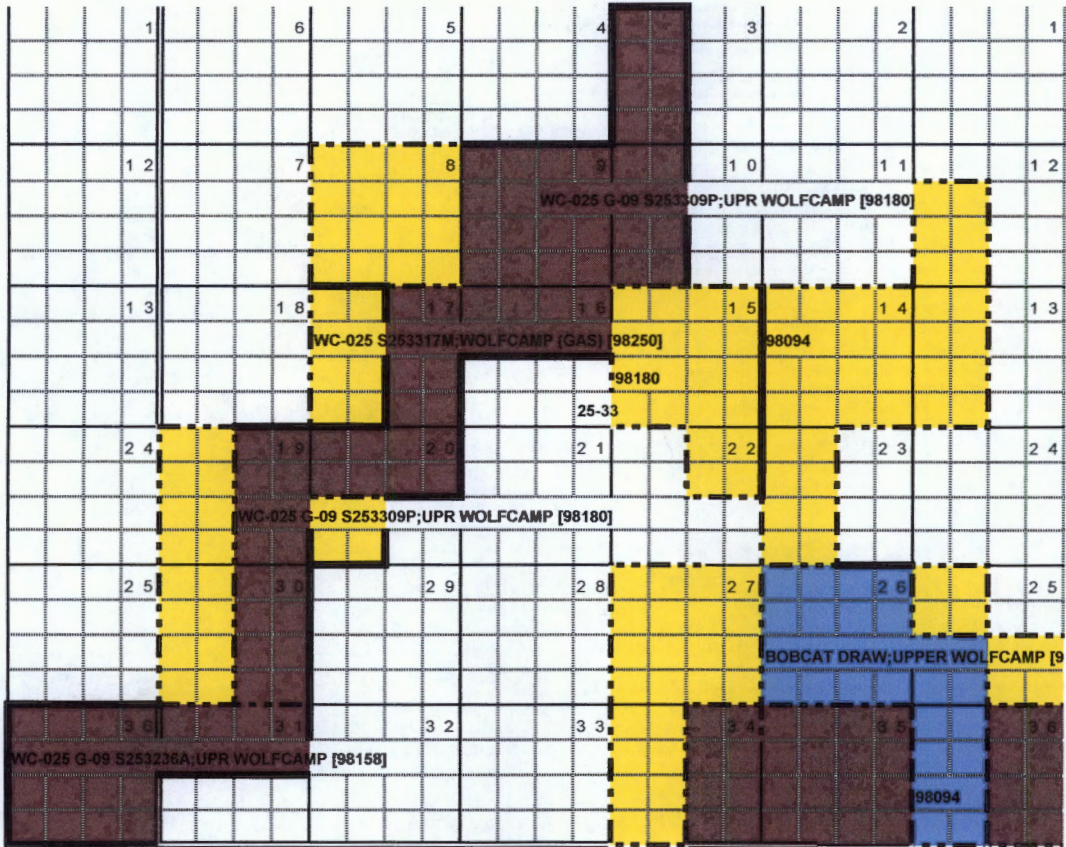
(Note: Formation tops based on offset Vaca Draw Federal SWD No. 1 located in Unit P of Section 21, T-25S, R-33E)

**Injection Tubing**  
 7" 26# P-110 Tbg: Surface-11,500'  
 7" x 5 1/2" X-Over @ 11,500'  
 5 1/2" 17# P-110 Tbg. 11,500'-17,450'  
 7 5/8" x 5 1/2" Dual Bore Permapak Packer @ 17,450'

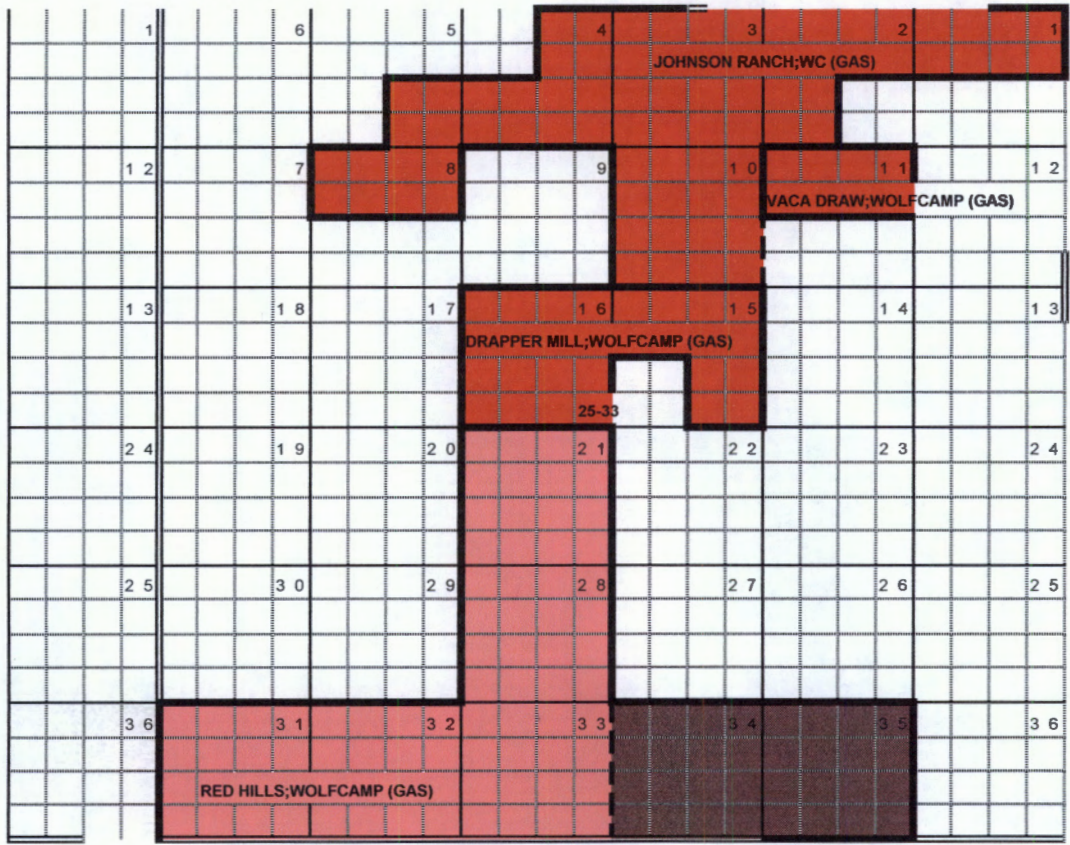
**Open Hole Injection Interval: 17,500'-19,000'**

**T.D. 19,000'**









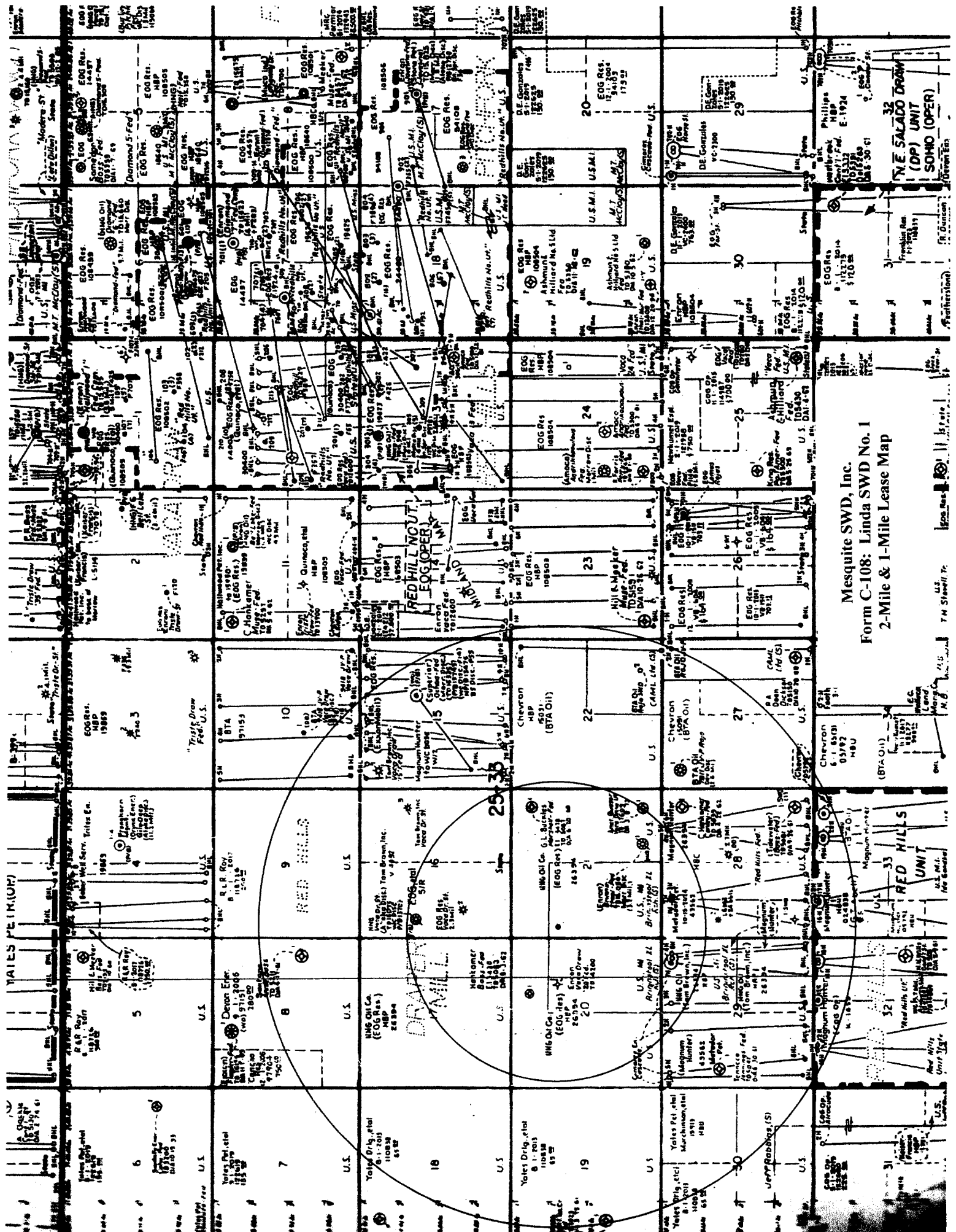


|     |                       |     |                               |     |     |     |
|-----|-----------------------|-----|-------------------------------|-----|-----|-----|
| 1   | 6                     | 5   | 4                             | 3   | 2   | 1   |
| 1 2 | 7                     | 8   | 9                             | 1 0 | 1 1 | 1 2 |
| 1 3 | 1 8                   | 1 7 | DRAPER MILL; UPPER PENN (GAS) | 1 6 | 1 5 | 1 4 |
|     |                       |     | 25-33                         |     |     |     |
| 2 4 | 1 9                   | 2 0 | 2 1                           | 2 2 | 2 3 | 2 4 |
| 2 5 | 3 0                   | 2 9 | 2 8                           | 2 7 | 2 6 | 2 5 |
| 3 6 | 3 1                   | 3 2 | 3 3                           | 3 4 | 3 5 | 3 6 |
|     | RED HILLS; PENN (GAS) |     |                               |     |     |     |

|     |                      |     |                              |     |                 |     |
|-----|----------------------|-----|------------------------------|-----|-----------------|-----|
| 1   | 6                    | 5   | 4                            | 3   | 2               | 1   |
|     |                      |     | VACA DRAW;MORROW (GAS)       |     |                 |     |
| 1 2 | 7                    | 8   | 9                            | 1 0 | 1 1             | 1 2 |
| 1 3 | 1 8                  | 1 7 | 1 6                          | 1 5 | 1 4             | 1 3 |
|     |                      |     | 25-33                        |     |                 |     |
| 2 4 | 1 9                  | 2 0 | 2 1                          | 2 2 | 2 3             | 2 4 |
|     |                      |     | RED HILLS;MORROW, WEST (GAS) |     | RED HILLS;MORRO |     |
| 2 5 | 3 0                  | 2 9 | 2 8                          | 2 7 | 2 6             | 2 5 |
| 3 6 | 3 1                  | 3 2 | 3 3                          | 3 4 | 3 5             | 3 6 |
|     | RED HILLS;PENN (GAS) |     |                              |     |                 |     |







Mesquite SWD, Inc.  
 Form C-108: Linda SWD No. 1  
 2-Mile & 1-Mile Lease Map

U.S. Steel, Inc.  
 T.M. Steel, Jr.

EC  
 Land  
 Merg. Co.  
 N.B.

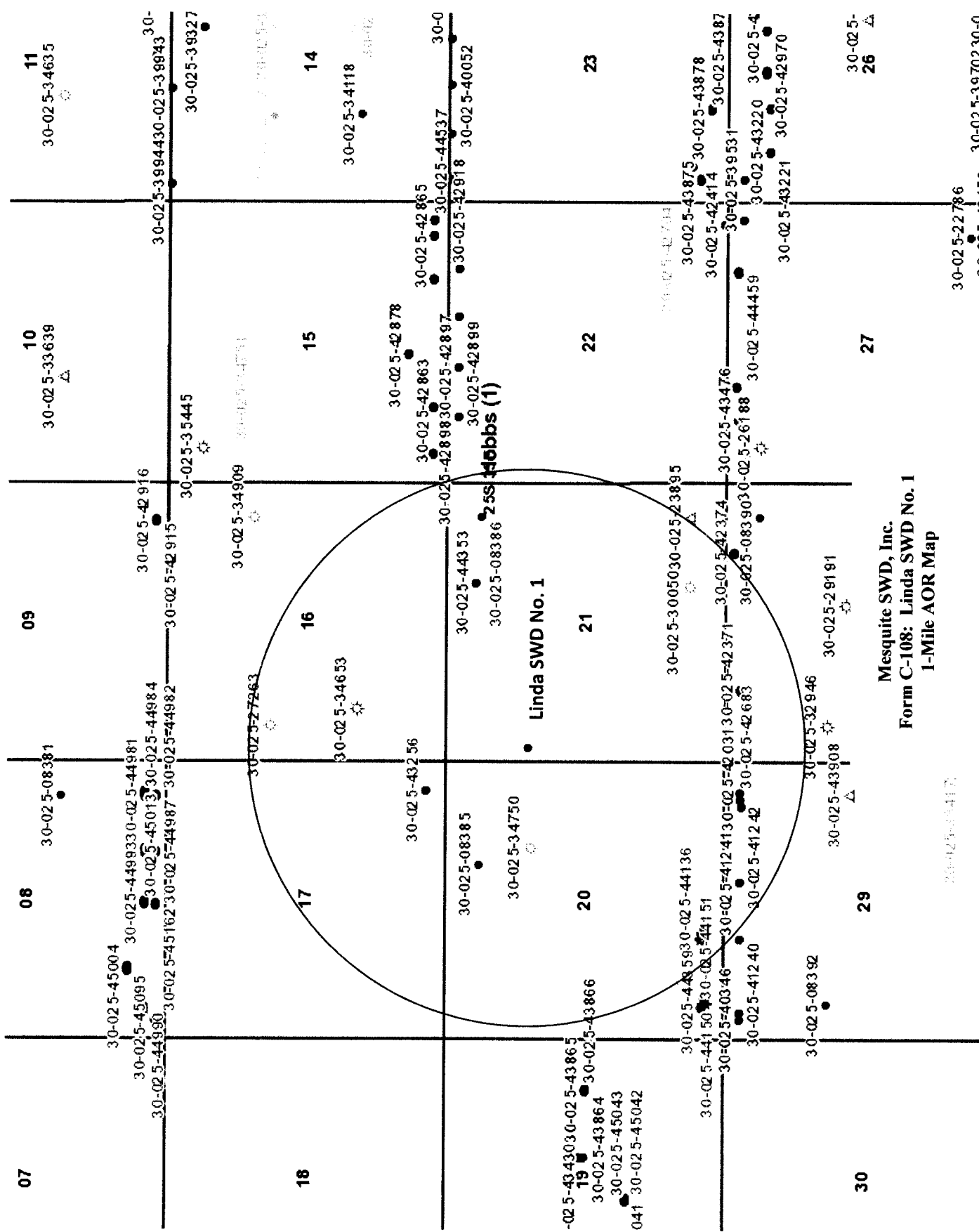
U.S. Steel, Inc.  
 T.M. Steel, Jr.

EC  
 Land  
 Merg. Co.  
 N.B.

U.S. Steel, Inc.  
 T.M. Steel, Jr.

EC  
 Land  
 Merg. Co.  
 N.B.





Mesquite SWD, Inc.  
 Form C-108: Linda SWD No. 1  
 1-Mile AOR Map

30-025-43817

30-025-22786  
 30-025-43458  
 30-025-39702 30-0

**MESQUITE SWD, INC.  
LINDA SWD WELL NO. 1  
ONE-MILE AREA OF REVIEW WELL LIST**

|              |                        |                         |      |     |        |               |                    |        |        |          |            |            |         |         |          |
|--------------|------------------------|-------------------------|------|-----|--------|---------------|--------------------|--------|--------|----------|------------|------------|---------|---------|----------|
| 30-025-43477 | EOG Resources, Inc.    | Antietam 9 Federal Com  | 701H | Oil | Active | 59'<br>2322'  | N 348'<br>N 364'   | W<br>W | D<br>E | 9<br>16  | 25S<br>25S | 33E<br>33E | 12,448' | 19,735' | Wolfcamp |
| 30-025-43478 | EOG Resources, Inc.    | Antietam 9 Federal Com  | 702H | Oil | Active | 59'<br>2424'  | N 378'<br>N 642'   | W<br>W | D<br>E | 9<br>16  | 25S<br>25S | 33E<br>33E | 12,378' | 19,725' | Wolfcamp |
| 30-025-43479 | EOG Resources, Inc.    | Antietam 9 Federal Com  | 703H | Oil | Active | 164'<br>2312' | N 2003'<br>N 988'  | W<br>W | C<br>E | 9<br>16  | 25S<br>25S | 33E<br>33E | 12,497' | 19,824' | Wolfcamp |
| 30-025-43480 | EOG Resources, Inc.    | Antietam 9 Federal Com  | 704H | Oil | Active | 164'<br>2311' | N 2033'<br>N 1408' | W<br>W | C<br>F | 9<br>16  | 25S<br>25S | 33E<br>33E | 12,410' | 19,661' | Wolfcamp |
| 30-025-44347 | EOG Resources, Inc.    | Antietam 9 Federal Com  | 705H | Oil | Active | 41'<br>2409'  | N 1552'<br>N 1700' | W<br>W | C<br>F | 9<br>16  | 25S<br>25S | 33E<br>33E | 12,470' | 19,810' | Wolfcamp |
| 30-025-44348 | EOG Resources, Inc.    | Antietam 9 Federal Com  | 706H | Oil | Active | 41'<br>2406'  | N 1587'<br>N 1958' | W<br>W | C<br>F | 9<br>16  | 25S<br>25S | 33E<br>33E | 12,383' | 19,741' | Wolfcamp |
| 30-025-44349 | EOG Resources, Inc.    | Antietam 9 Federal Com  | 707H | Oil | Active | 41'<br>2408'  | N 1622'<br>N 2235' | W<br>W | C<br>F | 9<br>16  | 25S<br>25S | 33E<br>33E | 12,501' | 19,809' | Wolfcamp |
| 30-025-44351 | EOG Resources, Inc.    | Antietam 9 Federal Com  | 708H | Oil | Active | 220'<br>2416' | N 1965'<br>N 2532' | E<br>E | B<br>G | 9<br>16  | 25S<br>25S | 33E<br>33E | 12,367' | 19,772' | Wolfcamp |
| 30-025-44352 | EOG Resources, Inc.    | Antietam 9 Federal Com  | 709H | Oil | Active | 220'<br>2410' | N 1930'<br>N 2297' | E<br>E | B<br>G | 9<br>16  | 25S<br>25S | 33E<br>33E | 12,462' | 19,810' | Wolfcamp |
| 30-025-34653 | EOG Resources, Inc.    | Vaca Draw 16 State      | 2    | Gas | Active | 1650'         | S 990'             | W      | L      | 16       | 25S        | 33E        | 14,002' |         | Wolfcamp |
| 30-025-44135 | Cimarex Energy Company | Vaca Draw 20.17 Federal | 1H   | Oil | NYD    | 390'<br>330'  | S 590'<br>N 380'   | W<br>W | M<br>D | 20<br>17 | 25S<br>25S | 33E<br>33E | 12,371' | 22,025' | Wolfcamp |
| 30-025-44136 | Cimarex Energy Company | Vaca Draw 20.17 Federal | 2H   | Oil | NYD    | 390'<br>330'  | S 1910'<br>N 1007' | W<br>W | N<br>D | 20<br>17 | 25S<br>25S | 33E<br>33E | 12,371' | 21,987' | Wolfcamp |

**MESQUITE SWD, INC.  
LINDA SWD WELL NO. 1  
ONE-MILE AREA OF REVIEW WELL LIST**

|              |                        |                         |     |     |               |              |        |                |        |        |          |            |            |                            |                            |             |
|--------------|------------------------|-------------------------|-----|-----|---------------|--------------|--------|----------------|--------|--------|----------|------------|------------|----------------------------|----------------------------|-------------|
| 30-025-44137 | Cimarex Energy Company | Vaca Draw 20 17 Federal | 3H  | Gas | NYD<br>BHL    | 390'<br>330' | S<br>N | 1930'<br>1613' | W<br>W | N<br>C | 20<br>17 | 25S<br>25S | 33E<br>33E | 12,371'<br>Proposed Depths | 22,055'<br>Proposed Depths | Wolfcamp    |
| 30-025-44304 | Cimarex Energy Company | Vaca Draw 20 17 Federal | 4H  | Gas | NYD<br>BHL    | 390'<br>330' | S<br>N | 1950'<br>2261' | W<br>W | N<br>C | 20<br>17 | 25S<br>25S | 33E<br>33E | 12,371'<br>Proposed Depths | 22,061'<br>Proposed Depths | Wolfcamp    |
| 30-025-44150 | Cimarex Energy Company | Vaca Draw 20 17 Federal | 5H  | Oil | NYD<br>BHL    | 390'<br>330' | S<br>N | 610'<br>381'   | W<br>W | M<br>D | 20<br>17 | 25S<br>25S | 33E<br>33E | 9,919'<br>Proposed Depths  | 19,671'<br>Proposed Depths | Bone Spring |
| 30-025-44151 | Cimarex Energy Company | Vaca Draw 20 17 Federal | 6H  | Oil | NYD<br>BHL    | 390'<br>330' | S<br>N | 630'<br>380'   | W<br>W | M<br>D | 20<br>17 | 25S<br>25S | 33E<br>33E | 9,279'<br>Proposed Depths  | 19,039'<br>Proposed Depths | Bone Spring |
| 30-025-44166 | Cimarex Energy Company | Vaca Draw 20 17 Federal | 7H  | Gas | NYD<br>BHL    | 330'<br>330' | S<br>N | 690'<br>791'   | W<br>W | M<br>D | 20<br>17 | 25S<br>25S | 33E<br>33E | 12,371'<br>Proposed Depths | 22,179'<br>Proposed Depths | Wolfcamp    |
| 30-025-44359 | Cimarex Energy Company | Vaca Draw 20 17 Federal | 8H  | Gas | NYD<br>BHL    | 330'<br>330' | S<br>N | 710'<br>790'   | W<br>W | M<br>D | 20<br>17 | 25S<br>25S | 33E<br>33E | 12,371'<br>Proposed Depths | 22,297'<br>Proposed Depths | Wolfcamp    |
| 30-025-44360 | Cimarex Energy Company | Vaca Draw 20 17 Federal | 9H  | Gas | NYD<br>BHL    | 330'<br>331' | S<br>N | 1990'<br>2261' | W<br>W | N<br>C | 20<br>17 | 25S<br>25S | 33E<br>33E | 12,750'<br>Proposed Depths | 22,493'<br>Proposed Depths | Wolfcamp    |
| 30-025-44356 | Cimarex Energy Company | Vaca Draw 20 17 Federal | 10H | Gas | NYD<br>BHL    | 330'<br>330' | S<br>N | 2010'<br>2330' | W<br>W | N<br>C | 20<br>17 | 25S<br>25S | 33E<br>33E | 12,371'<br>Proposed Depths | 22,125'<br>Proposed Depths | Wolfcamp    |
| 30-025-44357 | Cimarex Energy Company | Vaca Draw 20 17 Federal | 11H | Gas | NYD<br>BHL    | 330'<br>330' | S<br>N | 2030'<br>2480' | W<br>W | N<br>C | 20<br>17 | 25S<br>25S | 33E<br>33E | 12,371'<br>Proposed Depths | 22,197'<br>Proposed Depths | Wolfcamp    |
| 30-025-44358 | Cimarex Energy Company | Vaca Draw 20 17 Federal | 12H | Gas | NYD<br>BHL    | 330'<br>330' | S<br>N | 2050'<br>2590' | W<br>W | N<br>C | 20<br>17 | 25S<br>25S | 33E<br>33E | 12,371'<br>Proposed Depths | 22,261'<br>Proposed Depths | Wolfcamp    |
| 30-025-43256 | Oxy USA, Inc.          | Harley 17 Federal       | 1H  | Oil | NYD<br>BHL    | 360'<br>180' | S<br>N | 550'<br>550'   | E<br>E | P<br>A | 17<br>17 | 25S<br>25S | 33E<br>33E | 13,630'<br>Proposed Depths | 18,062'<br>Proposed Depths | Wolfcamp    |
| 30-025-41241 | Cimarex Energy Company | Cascade 29 Federal      | 3H  | Oil | Active<br>BHL | 330'<br>331' | N<br>S | 2310'<br>2235' | E<br>E | B<br>O | 29<br>29 | 25S<br>25S | 33E<br>33E | 9,869'<br>Proposed Depths  | 14,241'<br>Proposed Depths | Bone Spring |
| 30-025-41242 | Cimarex Energy Company | Cascade 29 Federal      | 4H  | Oil | Active<br>BHL | 330'<br>333' | N<br>S | 735'<br>399'   | E<br>E | A<br>P | 29<br>29 | 25S<br>25S | 33E<br>33E | 9,874'<br>Proposed Depths  | 14,230'<br>Proposed Depths | Bone Spring |

**MESQUITE SWD, INC.  
LINDA SWD WELL NO. 1  
ONE-MILE AREA OF REVIEW WELL LIST**

|   |                        |                         |    |     |               |              |        |                |        |        |          |            |            |                           |                 |             |
|---|------------------------|-------------------------|----|-----|---------------|--------------|--------|----------------|--------|--------|----------|------------|------------|---------------------------|-----------------|-------------|
| 30-025-42031  | Cimarex Energy Company | Cascade 29 Federal      | 7H | Oil | Active<br>BHL | 340'<br>326' | N<br>S | 864'<br>1326'  | E<br>E | A<br>P | 29<br>29 | 25S<br>25S | 33E<br>33E | 9,847'                    | 14,306'         | Bone Spring |
| 30-025-42683  | Cimarex Energy Company | Cascade 29 Federal      | 8H | Oil | NYD<br>BHL    | 330'<br>330' | N<br>S | 350'<br>350'   | E<br>E | A<br>P | 29<br>29 | 25S<br>25S | 33E<br>33E | 9,875'<br>Proposed Depths | 14,328'         | Bone Spring |
| 30-025-42369  | Cimarex Energy Company | Cascade 28 Federal      | 1H | Oil | NYD<br>BHL    | 330'<br>330' | N<br>S | 1310'<br>440'  | W<br>W | D<br>M | 28<br>28 | 25S<br>25S | 33E<br>33E | 9,875'<br>Proposed Depths | 14,353'         | Bone Spring |
| 30-025-42370  | Cimarex Energy Company | Cascade 28 Federal      | 2H | Oil | NYD<br>BHL    | 330'<br>330' | N<br>S | 1330'<br>1330' | W<br>W | C<br>N | 28<br>28 | 25S<br>25S | 33E<br>33E | 9,875'<br>Proposed Depths | 14,289'         | Bone Spring |
| 30-025-42371  | Cimarex Energy Company | Cascade 28 Federal      | 3H | Oil | NYD<br>BHL    | 330'<br>330' | N<br>S | 1350'<br>2200' | W<br>W | C<br>N | 28<br>28 | 25S<br>25S | 33E<br>33E | 9,875'<br>Proposed Depths | 14,369'         | Bone Spring |
| <b>PA'd Wells Within the Area of Review (No Wells Penetrate the Devonian Formation)</b> |                        |                         |    |     |               |              |        |                |        |        |          |            |            |                           |                 |             |
| 30-025-08385  | Curtis Hankamer        | Bass Federal            | 1  | Dry | PA            | 660'         | N      | 1980'          | E      | B      | 20       | 25S        | 33E        | 5,074'                    | PA'd 1962?      | Delaware    |
| 30-025-34750  | EOG Resources, Inc.    | Vaca Draw 20 Federal    | 1  | Dry | PA            | 1650'        | N      | 1650'          | E      | G      | 20       | 25S        | 33E        | 14,200'                   | PA'd 12/29/1999 | Morrow      |
| 30-025-27263  | HEC Petroleum, Inc.    | Vaca Draw 16 State      | 1  | Gas | PA            | 1980'        | N      | 660'           | W      | E      | 16       | 25S        | 33E        | 16,075'                   | PA'd 6/16/1993  | Wolfcamp    |
| 30-025-30050  | EOG Resources, Inc.    | Brinninstool 21 Federal | 1  | Gas | PA            | 660'         | S      | 1980'          | E      | O      | 21       | 25S        | 33E        | 16,050'                   | PA'd 1/7/2004   | Wolfcamp    |
| 30-025-08386  | George L. Buckles Co.  | Marshall Federal        | 1  | Oil | PA            | 660'         | N      | 660'           | E      | A      | 21       | 25S        | 33E        | 5,087'                    | PA'd 6/21/1960  | Delaware    |



C-108 Application  
Mesquite SWD, Inc.  
Linda SWD No. 1  
1530' FNL & 210' FWL (Unit E)  
Section 21, T-25S, R-33E, NMPM  
Lea County, New Mexico

- I. The purpose of the application is to request approval to utilize the proposed Linda SWD No. 1 as a produced water disposal well. This is a new well to be drilled for injection.
- II. Mesquite SWD, Inc.  
P.O. Box 1479  
Carlsbad, New Mexico 88221-1479  
Contact Party: Melanie Wilson (575) 914-1461
- III. Injection well data sheet and wellbore schematic diagram showing the proposed wellbore configuration is attached.
- IV. This is not an expansion of an existing project.
- V. Attached are maps that identify all wells/leases within a 2-mile and 1-mile radius of the proposed water disposal well and a map that identifies the 1-mile "Area of Review" ("AOR").
- VI. A listing of all wells within the AOR, including API No., operator, well name & number, well type and status, surface and bottomhole well locations, MD and TVD and completed formation is attached. An examination of the AOR well listing shows that none of the thirty (30) active or proposed wells within the AOR penetrate the Devonian injection interval. Also, none of the five (5) plugged and abandoned wells within the AOR penetrate the Devonian injection interval.
- VII.
  1. The average injection rate is anticipated to be approximately 30,000 BWPd. The maximum rate will be approximately 40,000 BWPd. If the average or maximum rates increase in the future, the Division will be notified.
  2. This will be a closed system.
  3. Mesquite SWD, Inc. will initially inject water into the subject well at or below a surface injection pressure in compliance with the Division's limit of 0.2 psi/ft., or approximately 3,500 psi. If a surface injection pressure above 3,500 psi is necessary, Mesquite SWD, Inc. will conduct a step rate injection test to determine the fracture pressure of the Siluro-Devonian formation in this area.

4. Produced water from the Bone Spring, Wolfcamp, Delaware and other producing formations originating from wells in this area will be injected into the subject well. Attached are produced water analysis from various producing wells in Township 25 South, Range 32 East, and Township 26 South, Range 31 East that produce from the Delaware, Bone Spring and Wolfcamp formations. These produced water analyses were obtained from the GO Tech website.
5. **Although the Red Hills-Devonian Gas Pool is present in this area, an examination of Division records indicate that no wells currently produce from this pool.** Produced water analyses from the Devonian formation within the Bell Lane Unit Well No. 6 and the Antelope Ridge Unit Well No. 3, located respectively in Unit O of Section 6, and Unit K of Section 34, both in Township 23 South, Range 34 East, NMPM, Lea County, New Mexico, was obtained from the Go Tech website, and is attached to this application. This produced water analysis shows an average TDS of 75,632 Mg/L.

VIII. Geologic Formation: Devonian/Silurian  
Estimated Top: 17,500'  
Thickness: 1,500'  
Lithology: Limestone w/Interbedded Dolomites

(Note: The top of the Devonian interval cited above was determined by examination of the well file for the offset Mesquite SWD, Inc. Vaca Draw Federal SWD Well No. 1 located in Unit P of Section 21, Township 25 South, Range 33 East, NMPM. This well is located approximately one (1) mile Southeast of the proposed Linda SWD No. 1, and was permitted for injection into the Devonian interval by Order No. SWD-1571, as amended, issued on July 12, 2015. Division records also indicate that this well is active, is currently injecting approximately 17,873 BWPD into the Devonian interval, and has cumulatively injected 3,477,371 barrels of water).

**(Note: An examination of OCD well records indicate that there are no additional active Devonian produced water disposal wells located within the nine-section area surrounding Section 21, T-25S, R-33E, NMPM.)**

USDW's: According to data obtained from the New Mexico State Engineer, there are no fresh water wells located within one mile of the Linda SWD No. 1 (See Attached). Information obtained from the Hobbs OCD office indicates that fresh water may be



present in this area in surface alluvium and interbedded sands in the Red Beds and Santa Rosa formations at depths ranging from surface to 850'.

- IX. Formation chemical stimulation may be applied after completion. No other stimulation is currently planned.
- X. Logs will be filed subsequent to the completion of drilling operations. Density-Neutron is planned to be run from surface to TD.
- XI. There are no fresh water wells located within a one-mile radius of the Linda SWD No. 1. (See attached report from the OSE).
- XII. Affirmative statement is enclosed.
- XIII. Proof of Notice is enclosed.

| Well Name                    | Section | Township | Range | Unit | Formation            | Ph  | TDS/Mg/l | Sodium Mg/l | Calcium Mg/l | Iron Mg/l | Magnesium Mg/l | Manganese Mg/l | Chloride Mg/l | Bicarbonate Mg/l | Sulfate Mg/l | CO2 Mg/l |
|------------------------------|---------|----------|-------|------|----------------------|-----|----------|-------------|--------------|-----------|----------------|----------------|---------------|------------------|--------------|----------|
| SNAPPING 2 STATE #013H       | 2       | 265      | 31E   | N    | BONE SPRING 3RD SAND | 6.5 | 94965.6  | 31352.7     | 3678.6       | 31.7      | 483.6          | 0.83           | 57489.5       | 244              | 0            | 200      |
| SNAPPING 2 STATE #013H       | 2       | 265      | 31E   | N    | BONE SPRING 3RD SAND | 7   | 94518.2  | 30031.5     | 3402.8       | 19.9      | 438.9          |                | 58782.2       | 355.2            | 200          | 200      |
| SNAPPING 2 STATE #013H       | 2       | 265      | 31E   | N    | BONE SPRING 3RD SAND | 7.2 | 94863.9  | 30224.8     | 3424         | 14.8      | 444            |                | 59015.2       | 365              | 200          | 200      |
| SNAPPING 2 STATE #014H       | 2       | 265      | 31E   | P    | WOLFCAAMP            | 7.3 | 81366.4  | 26319.4     | 2687.4       | 26.1      | 326.7          |                | 50281.2       | 399.7            | 100          | 100      |
| SNAPPING 2 STATE #013H       | 2       | 265      | 31E   | N    | BONE SPRING 3RD SAND | 6.8 | 91288.1  | 28721.3     | 3440.7       | 16.3      | 437.4          |                | 56957.4       | 327.9            | 150          | 150      |
| ROSS RANCH 10 FEDERAL #001   | 10      | 265      | 31E   | H    |                      | 6.3 | 111430.5 | 38922.4     | 3647.3       | 76.8      | 487.9          | 1.05           | 66173.2       | 366              | 0            | 300      |
| ROSS RANCH 10 FEDERAL #001   | 10      | 265      | 31E   | H    |                      | 7   | 54116.9  | 46100       | 5224         | 345.6     | 719.3          | 3.73           | 0             | 73.2             | 0            | 570      |
| SNAPPING 10 FEDERAL #005H    | 10      | 265      | 31E   | P    | BONE SPRING 2ND SAND | 6.6 | 138161.9 | 44458.5     | 6280.8       | 29.7      | 781.3          | 0              | 84470         | 122              | 0            | 20       |
| SNAPPING 10 FEDERAL #005H    | 10      | 265      | 31E   | P    | BONE SPRING 2ND SAND | 6.6 | 138376   | 44458.5     | 6280.8       | 29.7      | 781.3          | 0              | 84470         | 122              | 618          | 20       |
| SNAPPING 10 FEDERAL #001H    | 10      | 265      | 31E   | B    | AVALON UPPER         | 6.5 | 199638.8 | 68948.2     | 7560.4       | 111.2     | 1522.8         | 2.19           | 118195        | 732              | 0            | 500      |
| SNAPPING 11 FEDERAL #001H    | 11      | 265      | 31E   | N    | AVALON UPPER         | 6.1 | 225189.8 | 77010.7     | 8743.8       | 636.1     | 1649.2         | 6.75           | 134075        | 366              | 0            | 300      |
| SNAPPING 2 STATE #003H       | 2       | 265      | 31E   | M    | AVALON UPPER         | 6.1 | 223039.9 | 76001.7     | 10437.8      | 209.9     | 1922.4         | 4.5            | 131072        | 366              | 632          | 1100     |
| SNAPPING 2 STATE #006H       | 2       | 265      | 31E   | O    | AVALON UPPER         | 6.5 | 179788.5 | 71575.7     | 617.4        | 21.8      | 109.6          | 0              | 101374        | 3660             | 0            | 500      |
| SNAPPING 2 STATE #006H       | 2       | 265      | 31E   | O    | AVALON UPPER         | 6.5 | 179938   | 71575.7     | 617.4        | 21.8      | 109.6          | 0              | 101374        | 3660             | 844          | 500      |
| SNAPPING 10 FEDERAL #003H    | 10      | 265      | 31E   | N    | BONE SPRING 2ND SAND | 6.5 | 152439.2 | 48495.7     | 6731.3       | 29.1      | 801.4          | 1.06           | 94055         | 244              | 0            | 100      |
| E D WHITE FEDERAL NCT 1 #003 | 26      | 265      | 31E   | O    | DELAWARE             |     | 212112   |             |              |           |                |                | 132100        | 195              | 425          |          |
| SNAPPING 10 FEDERAL #001H    | 10      | 265      | 31E   | B    | AVALON UPPER         | 7.1 | 209352.4 | 70089.5     | 7327         | 203       | 1557           | 2.5            | 127230        | 146.4            | 600          | 600      |
| SNAPPING 11 FEDERAL #001H    | 11      | 265      | 31E   | N    | AVALON UPPER         | 7   | 196576.7 | 68797.3     | 5059         | 12        | 1066           | 0.9            | 118943        | 122              | 872          | 380      |
| SNAPPING 11 FEDERAL #001H    | 11      | 265      | 31E   | N    | AVALON UPPER         | 7   | 203078.9 | 72261.4     | 4407         | 112       | 904            | 1.5            | 122172        | 1098             | 658          | 80       |
| SNAPPING 2 STATE #001Y       | 2       | 265      | 31E   | N    | AVALON UPPER         | 7   | 162560.1 | 57137       | 3886         | 42        | 776            | 0.6            | 97161         | 1403             | 756          | 70       |



| Well Name                 | Section | Township | Range | Unit | Formation              | Ph   | TDS(Mg/l) | Sodium Mg/l | Calcium Mg/l | Iron Mg/l | Magnesium Mg/l | Manganese Mg/l | Chloride Mg/l | Bicarbonate Mg/l | Sulfate Mg/l | CO2 Mg/l |     |
|---------------------------|---------|----------|-------|------|------------------------|------|-----------|-------------|--------------|-----------|----------------|----------------|---------------|------------------|--------------|----------|-----|
| TRIONYX 6 FEDERAL #001H   | 6       | 25S      | 32E   | M    | AVALON LOWER           | 6.2  | 122       | 0           | 0            | 0         | 0              | 0              | 0             | 0                | 122          | 0        | 200 |
| TRIONYX 6 FEDERAL #004H   | 6       | 25S      | 32E   | N    | DELAWARE-BRUSHY CANYON | 6.3  | 239818.3  | 74875.7     | 14394.1      | 58.6      | 2437.4         | 2.53           | 145508.4      | 122              | 0            | 300      | 0   |
| TRIONYX 6 FEDERAL #003Y   | 6       | 25S      | 32E   | M    | AVALON LOWER           | 6.5  | 144738.6  | 53757.9     | 718.2        | 44.8      | 135.8          | 0              | 86689.6       | 1098             | 0            | 400      | 0   |
| LIPPIZZAN 4 FEDERAL #001H | 4       | 25S      | 32E   | D    | BONE SPRING 2ND SAND   | 6.3  | 140235.4  | 42818.4     | 6441.7       | 40.5      | 785.3          | 0              | 87998.1       | 244              | 0            | 200      | 0   |
| TRIONYX 6 FEDERAL #011H   | 6       | 25S      | 32E   | M    | DELAWARE-BRUSHY CANYON | 6.5  | 239860    | 74029.5     | 13590.6      | 48.6      | 2237.5         | 0              | 147359.5      | 639.6            | 0            | 300      | 0   |
| JENNINGS FEDERAL #001     | 33      | 25S      | 32E   | I    |                        | 6.1  | 226822    | 57077.4     | 20081.9      | 19.4      | 2953.6         | 2              | 144325.8      | 528.7            | 0            | 300      | 0   |
| TRIONYX 6 FEDERAL #008H   | 6       | 25S      | 32E   | P    | BONE SPRING 2ND SAND   | 7.65 | 179697.7  | 56825.9     | 9332         | 23        | 1459           | 0.2            | 108593        | 48.8             | 1692         | 230      | 0   |
| TRIONYX 6 FEDERAL #001H   | 6       | 25S      | 32E   | M    | AVALON LOWER           | 7.4  | 165243.8  | 62859.4     | 567          | 17        | 107            | 0              | 97097         | 2281.4           | 1177         | 40       | 0   |
| TRIONYX 6 FEDERAL #002H   | 6       | 25S      | 32E   | M    | AVALON MIDDLE          | 7.2  | 191604.1  | 65433.6     | 6298         | 128       | 1120           | 2              | 114866        | 793              | 1710         | 50       | 0   |
| TRIONYX 6 FEDERAL #003Y   | 6       | 25S      | 32E   | M    | AVALON LOWER           | 7.1  | 164202.4  | 62428.1     | 501          | 25        | 96             | 0.5            | 96323         | 2305.8           | 1264         | 30       | 0   |
| TRIONYX 6 FEDERAL #008H   | 6       | 25S      | 32E   | P    | BONE SPRING 2ND SAND   | 6.8  | 132327    | 40473       | 6252         | 23        | 836            | 1              | 82438         | 244              | 0            | 200      | 0   |
| TRIONYX 6 FEDERAL #005H   | 6       | 25S      | 32E   | M    | AVALON MIDDLE          | 6.3  | 197184.5  | 62422       | 6809         | 218       | 1344           | 3.5            | 123168        | 549              | 0            | 500      | 0   |
| TRIONYX 6 FEDERAL #007H   | 6       | 25S      | 32E   | O    | BONE SPRING 2ND SAND   | 6.7  | 139871.5  | 40364       | 6643         | 41        | 750            | 1.5            | 89675         | 183              | 0            | 200      | 0   |
| TRIONYX 6 FEDERAL #006H   | 6       | 25S      | 32E   | O    | DELAWARE-BRUSHY CANYON | 6.2  | 225114.5  | 60110       | 12606        | 50        | 1970           | 3              | 147814        | 122              | 0            | 250      | 0   |
| LIPPIZZAN 4 FEDERAL #001H | 4       | 25S      | 32E   | D    | BONE SPRING 2ND SAND   | 6.5  | 139733.4  | 42191.3     | 7002.9       | 78.4      | 913.2          | 1.66           | 87280.6       | 244              | 0            | 150      | 0   |
| TRIONYX 6 FEDERAL #007H   | 6       | 25S      | 32E   | P    | DELAWARE-BRUSHY CANYON | 6.7  | 252093.3  | 78472.1     | 17591.8      | 34.8      | 2984           | 2.98           | 150156.7      | 148.8            | 0            | 300      | 0   |
| TRIONYX 6 FEDERAL #001H   | 6       | 25S      | 32E   | P    | DELAWARE-BRUSHY CANYON | 6.7  | 248632    | 71715       | 15831.6      | 43.8      | 2760.6         | 2.61           | 155536.8      | 122              | 0            | 400      | 0   |
| LIPPIZZAN 4 FEDERAL #001H | 4       | 25S      | 32E   | D    | BONE SPRING 2ND SAND   | 7.2  | 141809.9  | 43892.5     | 6382.4       | 63.2      | 789.5          | 1.2            | 88463.4       | 244              | 0            | 100      | 0   |
| COTTON DRAW UNIT #237H    | 10      | 25S      | 32E   | M    | BONE SPRING 2ND SAND   | 6.5  | 207154.8  | 68477       | 4041.6       | 41.3      | 1744.6         | 1.53           | 126763.4      | 122              | 0            | 200      | 0   |
| TRIONYX 6 FEDERAL #009H   | 6       | 25S      | 32E   | M    | BONE SPRING 2ND SAND   | 6.2  | 162064.6  | 49783.6     | 7951.8       | 36.1      | 987.1          | 0              | 100900.9      | 949.5            | 100          | 0        |     |
| TRIONYX 6 FEDERAL #010H   | 6       | 25S      | 32E   | N    | BONE SPRING 2ND SAND   | 6.58 | 151458.9  | 46370.7     | 7184.6       | 35.5      | 876            | 0              | 94430.6       | 1111.8           | 200          | 0        |     |
| COTTON DRAW UNIT #049     | 3       | 25S      | 32E   | J    |                        |      | 247372    |             |              |           |                |                |               | 102              | 760          |          |     |
| COTTON DRAW UNIT #024     | 10      | 25S      | 32E   | K    | DELAWARE               |      | 246535    |             |              |           |                |                |               | 112              | 939          |          |     |
| COTTON DRAW UNIT #001     | 15      | 25S      | 32E   | M    | DELAWARE               |      | 308600    |             |              |           |                |                |               |                  |              |          |     |
| COTTON DRAW UNIT #001     | 15      | 25S      | 32E   | M    | DELAWARE               |      | 309990    |             |              |           |                |                |               |                  |              |          |     |
| MONSANTO STATE #001       | 16      | 25S      | 32E   | I    | DELAWARE               |      | 224016    |             |              |           |                |                |               |                  |              |          |     |
| COTTON DRAW UNIT #004     | 22      | 25S      | 32E   | D    | DELAWARE               |      | 276839    |             |              |           |                |                |               |                  |              |          |     |
| COTTON DRAW UNIT #001     | 27      | 25S      | 32E   | D    | DELAWARE               |      | 239464    |             |              |           |                |                |               |                  |              |          |     |
| G E JORDAN NCT-1 #021     | 6       | 25S      | 32E   | M    | AVALON LOWER           | 7    | 144951    | 54645.4     | 665          | 22        | 113            | 0.3            | 138600        | 139              | 462          | 60       | 0   |
| TRIONYX 6 FEDERAL #001H   | 6       | 25S      | 32E   | M    | AVALON MIDDLE          | 7    | 145592.5  | 55404.5     | 440          | 25        | 71             | 0.3            | 170500        | 198              | 552          | 60       | 0   |
| TRIONYX 6 FEDERAL #002H   | 6       | 25S      | 32E   | M    | AVALON LOWER           | 7    | 145530.9  | 55235.9     | 493          | 27        | 80             | 0.5            | 147800        | 64               | 908          | 60       | 0   |
| TRIONYX 6 FEDERAL #003Y   | 6       | 25S      | 32E   | M    | AVALON LOWER           | 7    | 145530.9  | 55235.9     | 493          | 27        | 80             | 0.5            | 147800        | 64               | 908          | 60       | 0   |

| Well Name                | Section | Township | Range | Unit | Field           | Formation | Sample Source  | Ph  | TDS Mg/l | Chloride Mg/l | Bicarbonate Mg/l | Sulfate Mg/l |
|--------------------------|---------|----------|-------|------|-----------------|-----------|----------------|-----|----------|---------------|------------------|--------------|
| BELL LAKE UNIT #006      | 6       | 23S      | 34E   | O    | BELL LAKE NORTH | DEVONIAN  | HEATER TREATER | 7   | 71078    | 42200         | 500              | 1000         |
| ANTELOPE RIDGE UNIT #003 | 34      | 23S      | 34E   | K    | ANTELOPE RIDGE  | DEVONIAN  | UNKNOWN        | 6.9 | 80187    | 47900         | 476              | 900          |

**Mesquite SWD, Inc.**  
**Form C-108: Linda SWD No. 1**  
**Devonian Water Analysis**



---

*New Mexico Office of the State Engineer*  
**Water Column/Average Depth to Water**

---

No records found.

**PLSS Search:**

**Section(s):** 16, 17, 20, 21, 22, 27, 28, 29    **Township:** 25S    **Range:** 33E

**Mesquite SWD, Inc.**  
**Form C-108: Linda SWD No. 1**  
**OSE Fresh Water Well Data**

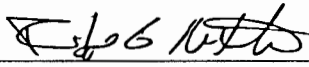
---

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

---

Form C-108  
Affirmative Statement  
Mesquite SWD, Inc.  
Linda SWD No. 1  
Section 21, T-25 South, R-33 East, NMPM,  
Eddy County, New Mexico

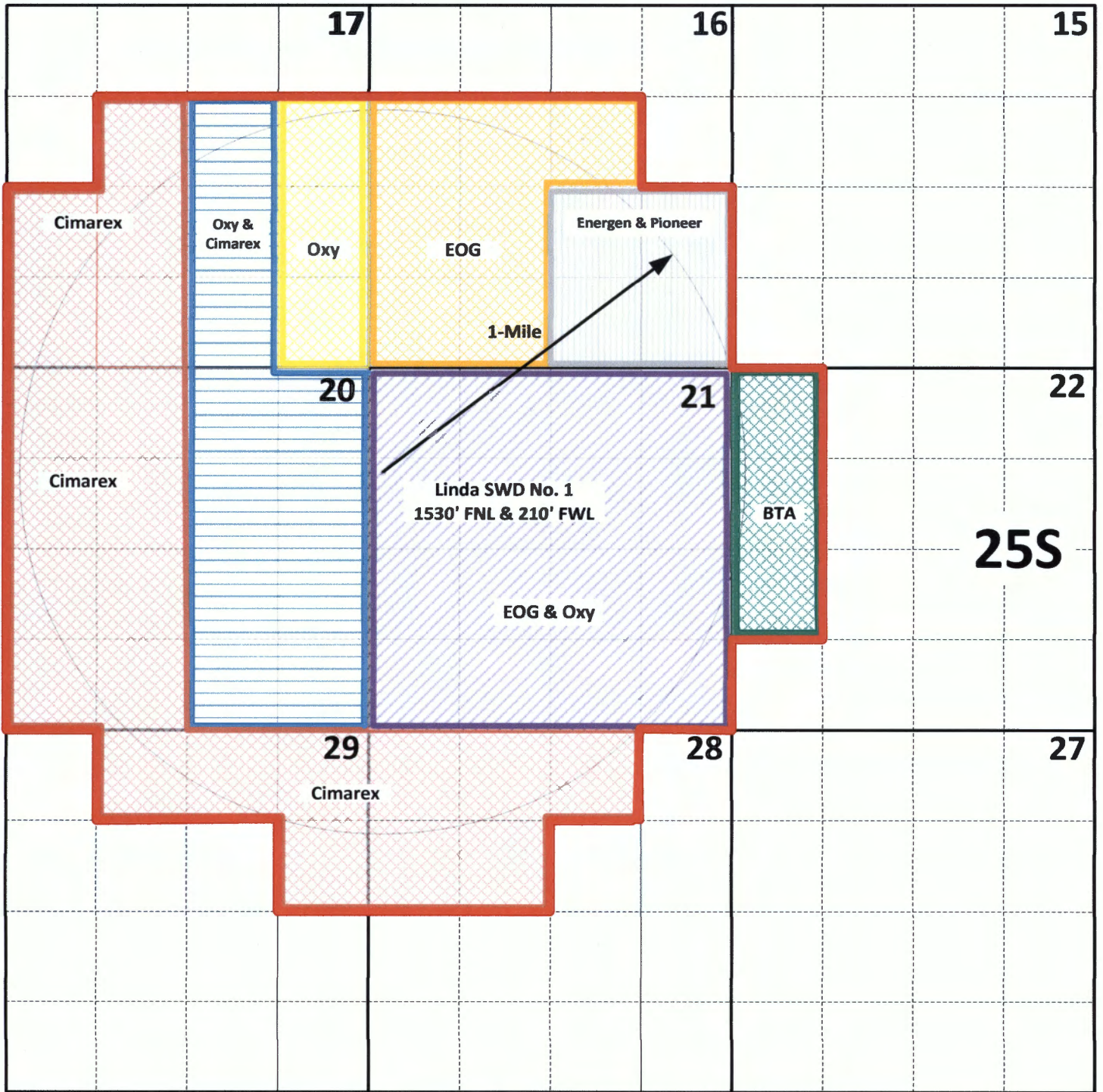
Available geologic and engineering data has been examined and no evidence of open faults or hydrological connection between the injection zone and any underground sources of drinking water has been found.



\_\_\_\_\_  
Riley Neatherlin  
Operations Manager-Mesquite SWD, Inc.

10/5/18

\_\_\_\_\_  
Date



# 33 East

C-108 Application  
 Mesquite SWD, Inc.  
 Linda SWD Well No. 1  
 1-Mile Notice Area

 1-Mile Notice Area

**Form C-108 Application**  
**Mesquite SWD, Inc.**  
**Linda SWD No. 1**  
**Section 21, T-25 South, R-33 East, NMPM**  
**Notice List**

**Cimarex Energy Company**  
**202 S. Cheyenne Ave., Suite 1000**  
**Tulsa, Oklahoma 74103**

**Section 17: SW/4 & SE/4 NW/4**  
**Section 20: W/2**  
**Section 29: NE/4 NW/4, NW/4 NE/4 & E/2 NE/4**  
**Section 28: NW/4 & NW/4 NE/4**

**Oxy USA, Inc.**  
**P.O. Box 4294**  
**Houston, Texas 77210-4294**

**Section 17: E/2 SE/4 & SE/4 NE/4**

**Oxy USA, Inc. &**  
**Cimarex Energy Company**

**Section 17: W/2 SE/4 & SW/4 NE/4**  
**Section 20: E/2**

**EOG Resources, Inc.**  
**P.O. Box 2267**  
**Midland, Texas 79702**

**Section 16: SW/4, S/2 NW/4 & SW/4 NE/4**

**EOG Resources, Inc. &**  
**Oxy USA, Inc.**

**Section 21: All**

**Energen Resources Corporation**  
**3510 N. A Street**  
**Buildings A & B**  
**Midland, Texas 79705**

**Section 16: SE/4**

**Pioneer Natural Resources Co.**  
**5205 N. O'Connor Blvd., Suite 200**  
**Irving, Texas 75039**

**BTA Oil Producers, LLC**  
**104 S. Pecos**  
**Midland, Texas 79701**

**Section 22: W/2 NW/4 & NW/4 SW/4**

**Additional Notice:**

**Bureau of Land Management**  
**620 E. Greene Street**  
**Carlsbad, New Mexico 88220-6292**

**(Surface Owner):**  
**Hughes Properties, LLC**  
**P.O. Box 5097**  
**Carlsbad, New Mexico 88221-5097**



October 4, 2018

**CERTIFIED MAIL**  
**RETURN RECEIPT REQUESTED**

TO: **See Attached Notice List**

Re: Mesquite SWD, Inc.  
Form C-108 (Application for Authorization to Inject)  
Linda SWD Well No. 1  
API No. (Not Yet Assigned)  
1530' FNL & 210' FWL, Unit E, Section 21, T-25S, R-33E, NMPM.  
Lea County, New Mexico

Ladies & Gentlemen:

Enclosed please find a copy of Oil Conservation Division Form C-108 (Application for Authorization to Inject) for the Mesquite SWD, Inc. Linda SWD No. 1. You are being provided a copy of the application as an offset operator/leaseholder or as the owner of the surface where the proposed well is located. Mesquite SWD, Inc. proposes to drill the Linda SWD No. 1 and utilize the well as a produced water disposal well. Injection to occur into the Siluro-Devonian formation through the open-hole interval from approximately 17,500 feet to 19,000 feet.

Objections must be filed with the Oil Conservation Division, 1220 South St. Francis Drive, Santa Fe, New Mexico 87505, within 15 days.

If you should have any questions, please contact me at (575) 914-1461.

Sincerely,



Melanie Wilson-Regulatory Analyst  
Mesquite SWD, Inc.  
P.O. Box 1479  
Carlsbad, New Mexico 88221-1479

Enclosure

7018 0360 0001 7020 3215

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IRVING, TX 75039

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|--|--------|
| Certified Mail Fee   | \$3.45 |
| Extra Services & Fees (check box, add fee if appropriate)    | \$2.75 |
| <input type="checkbox"/> Return Receipt (hardcopy)           | \$0.00 |
| <input type="checkbox"/> Return Receipt (electronic)         | \$0.00 |
| <input type="checkbox"/> Certified Mail Restricted Delivery  | \$0.00 |
| <input type="checkbox"/> Adult Signature Required            | \$0.00 |
| <input type="checkbox"/> Adult Signature Restricted Delivery | \$0.00 |
| Postage  | \$2.05 |
| Total  | \$8.25 |

SANTA FE ANN 87505  
CORONADO STATION  
OCT 5 2018  
Postmark Here  
10/05/2018

**Pioneer Natural Resources Co.**  
5205 N. O'Connor Blvd. Suite 200  
Irving, Texas 75039

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

7018 0360 0001 7020 3208

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TULSA, OK 74103

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| <input type="checkbox"/> Return Receipt (electronic)         | \$0.00 |
| <input type="checkbox"/> Certified Mail Restricted Delivery  | \$0.00 |
| <input type="checkbox"/> Adult Signature Required            | \$0.00 |
| <input type="checkbox"/> Adult Signature Restricted Delivery | \$0.00 |
| Postage  | \$2.05 |
| Total  | \$8.25 |

SANTA FE ANN 87505  
CORONADO STATION  
OCT 5 2018  
Postmark Here  
10/05/2018

**Cimarex Energy Company**  
202 S. Cheyenne Ave., Suite 1000  
Tulsa, Oklahoma 74103

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

7018 0360 0001 7020 3192

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HOUSTON, TX 77210

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| <input type="checkbox"/> Return Receipt (electronic)         | \$0.00 |
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| <input type="checkbox"/> Adult Signature Required            | \$0.00 |
| <input type="checkbox"/> Adult Signature Restricted Delivery | \$0.00 |
| Postage  | \$2.05 |
| Total  | \$8.25 |

SANTA FE ANN 87505  
CORONADO STATION  
OCT 5 2018  
Postmark Here  
10/05/2018

**Oxy USA, Inc.**  
P.O. Box 4294  
Houston, Texas 77210-4294

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

7018 0360 0001 7020 3185

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MIDLAND, TX 79702

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|--|--------|
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| <input type="checkbox"/> Return Receipt (electronic)         | \$0.00 |
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| Total  | \$8.25 |

SANTA FE ANN 87505  
CORONADO STATION  
OCT 5 2018  
Postmark Here  
10/05/2018

**EOG Resources, Inc.**  
P.O. Box 2267  
Midland, Texas 79702

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

7018 0360 0001 7020 3178

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MIDLAND, TX 79705

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| <input type="checkbox"/> Return Receipt (electronic)         | \$0.00 |
| <input type="checkbox"/> Certified Mail Restricted Delivery  | \$0.00 |
| <input type="checkbox"/> Adult Signature Required            | \$0.00 |
| <input type="checkbox"/> Adult Signature Restricted Delivery | \$0.00 |
| Postage  | \$2.05 |
| Total  | \$8.25 |

SANTA FE ANN 87505  
CORONADO STATION  
OCT 5 2018  
Postmark Here  
10/05/2018

**Energen Resources Corp.**  
3510 N. A Street  
Buildings A & B  
Midland, Texas 79705

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

7018 0360 0001 7020 3161

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MIDLAND, TX 79701

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| Extra Services & Fees (check box, add fee if appropriate)    | \$2.75 |
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| <input type="checkbox"/> Return Receipt (electronic)         | \$0.00 |
| <input type="checkbox"/> Certified Mail Restricted Delivery  | \$0.00 |
| <input type="checkbox"/> Adult Signature Required            | \$0.00 |
| <input type="checkbox"/> Adult Signature Restricted Delivery | \$0.00 |
| Postage  | \$2.05 |
| Total  | \$8.25 |

SANTA FE ANN 87505  
CORONADO STATION  
OCT 5 2018  
Postmark Here  
10/05/2018

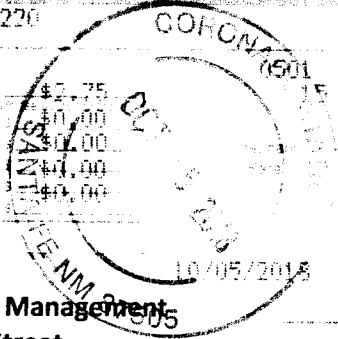
**BTA Oil Producers, LLC**  
104 S. Pecos  
Midland, Texas 79701

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

7018 0360 0001 7020 3154

CARLSBAD: NM 88220

\$3.45



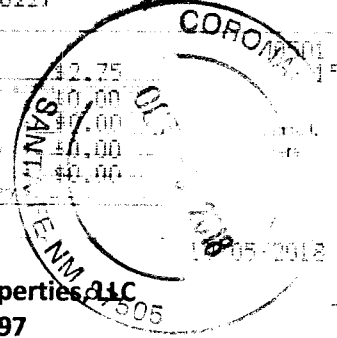
Bureau of Land Management  
620 E. Greene Street  
Carlsbad, New Mexico 88220-6292

Form 3800, April 2015 PSN 730-02-001-901 See Reverse for Instructions

7018 0360 0001 7020 3147

CARLSBAD: NM 88221

\$3.45



Hughes Properties LLC  
P.O. Box 5097  
Carlsbad, New Mexico 88221-5097

Form 3800, April 2015 PSN 730-02-001-901 See Reverse for Instructions

Form C-108  
Mesquite SWD, Inc.  
Linda SWD No. 1  
Section 21, T-25 South, R-33 East, NMPM  
Lea County, New Mexico

The following-described legal advertisement will be published on October 6, 2018 in the:

Hobbs News Sun  
210 N. Thorp  
P.O. Box 850  
Hobbs, New Mexico 88240

### LEGAL NOTICE

**Mesquite SWD, Inc., P.O. Box 1479, Carlsbad, New Mexico 88221-1479, has filed a Form C-108 (Application for Authorization to Inject) with the Oil Conservation Division (“Division”) seeking administrative approval to utilize its proposed Linda SWD No. 1 (API No. N/A) to be drilled 1530 feet from the North line and 210 feet from the West line (Unit E) of Section 21, Township 25 South, Range 33 East, NMPM, Lea County, New Mexico and complete the well as a produced water disposal well in the Siluro-Devonian formation. Injection is to occur through the open-hole interval from approximately 17,500 feet to 19,000 feet.**

**Produced water from the Bone Spring, Wolfcamp and other formations originating from wells in this area will be injected into the Linda SWD No. 1 at average and maximum rates of 30,000 and 40,000 barrels of water per day, respectively. The initial surface injection pressure for the well is anticipated to be at or below 3,500 psi., in compliance with Division regulations. The maximum surface injection pressure will be determined by step rate injection test.**

**Interested parties must file objections with the New Mexico Oil Conservation Division, 1220 S. St Francis Drive, Santa Fe, New Mexico 87505, within 15 days of the date of this publication.**

**Additional information can be obtained by contacting Ms. Melanie Wilson-Regulatory Analyst-Mesquite SWD, Inc. at (575) 914-1461.**

## McMillan, Michael, EMNRD

---

**From:** Melanie <mjp1692@gmail.com>  
**Sent:** Monday, October 15, 2018 10:46 AM  
**To:** McMillan, Michael, EMNRD  
**Subject:** [EXT] Mesquite SWD Inc - Linda SWD #1 Affidavit of Publication  
**Attachments:** Affidavit of Publication.pdf; ATT00001.txt

Good morning Mike,

Attached is the Affidavit of Publication for Linda SWD 1 that was submitted to OCD last week. If you need anything further please let me know.

Thank you,

Melanie Wilson

# Affidavit of Publication

STATE OF NEW MEXICO  
COUNTY OF LEA

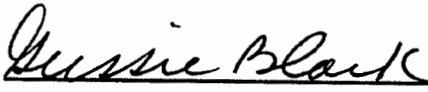
I, Daniel Russell, Publisher of the Hobbs News-Sun, a newspaper published at Hobbs, New Mexico, solemnly swear that the clipping attached hereto was published in the regular and entire issue of said newspaper, and not a supplement thereof for a period of 1 issue(s).

Beginning with the issue dated  
October 06, 2018  
and ending with the issue dated  
October 06, 2018.



Publisher

Sworn and subscribed to before me this  
6th day of October 2018.



Business Manager

My commission expires  
January 29, 2019

(Seal)

OFFICIAL SEAL  
**GUSSIE BLACK**  
Notary Public  
State of New Mexico

Expires 1-29-19

**LEGAL LEGAL**

**LEGAL NOTICE  
OCTOBER 6, 2018**

Mesquite SWD, Inc., P.O. Box 1479, Carlsbad, New Mexico 88221-1479, has filed a Form C-108 (Application for Authorization to Inject) with the Oil Conservation Division ("Division") seeking administrative approval to utilize its proposed Linda SWD No. 1 (API No. N/A) to be drilled 1530 feet from the North line and 210 feet from the West line (Unit E) of Section 21, Township 25 South, Range 33 East, NMPM, Lea County, New Mexico and complete the well as a produced water disposal well in the Siluro-Devonian formation. Injection is to occur through the open-hole interval from approximately 17,500 feet to 19,000 feet.

Produced water from the Bone Spring, Wolfcamp and other formations originating from wells in this area will be injected into the Linda SWD No. 1 at average and maximum rates of 30,000 and 40,000 barrels of water per day, respectively. The initial surface injection pressure for the well is anticipated to be at or below 3,500 psi., in compliance with Division regulations. The maximum surface injection pressure will be determined by step rate injection test.

Interested parties must file objections with the New Mexico Oil Conservation Division, 1220 S. St Francis Drive, Santa Fe, New Mexico 87505, within 15 days of the date of this publication.

Additional information can be obtained by contacting Ms. Melanie Wilson-Regulatory Analyst-Mesquite SWD, Inc. at (575) 914-1461. #33305

67109601

00219203

DAVID CATANACH  
REGULATORY CONSULTANT  
1142 VUELTA DE LAS ACEQUIAS  
SANTA FE, NM 87507

This newspaper is duly qualified to publish legal notices or advertisements within the meaning of Section 3, Chapter 167, Laws of 1937 and payment of fees for said



October 10, 2018

Energy, Minerals and Natural Resources Department  
Oil Conservation Division  
1220 South St. Francis Drive  
Santa Fe, New Mexico 87505

Attention: Ms. Heather Riley  
Division Director

Re: Form C-108  
Linda SWD Well No. 1  
API No. (Not Yet Assigned)  
1530' FNL & 210' FWL, Unit E  
Section 21, T-25S, R-33E, NMPM.  
Lea County, New Mexico

Dear Ms. Riley:

On October 4, 2018 Mesquite SWD, LLC filed a Form C-108 application for its Linda SWD No. 1. Subsequent to that time, Mesquite SWD, LLC discovered an additional leasehold owner in the SE/4 of Section 16, T-25 South, R-33 East, NMPM, being:

Newfield Exploration Gulf Coast, LLC  
363 N. Sam Houston Pkwy., Suite 2020  
Houston, Texas 77060

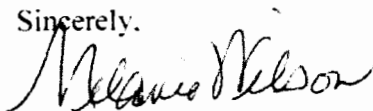
Mesquite has provided notice to this leasehold owner by certified mail on October 10, 2018.

Attached are the following documents:

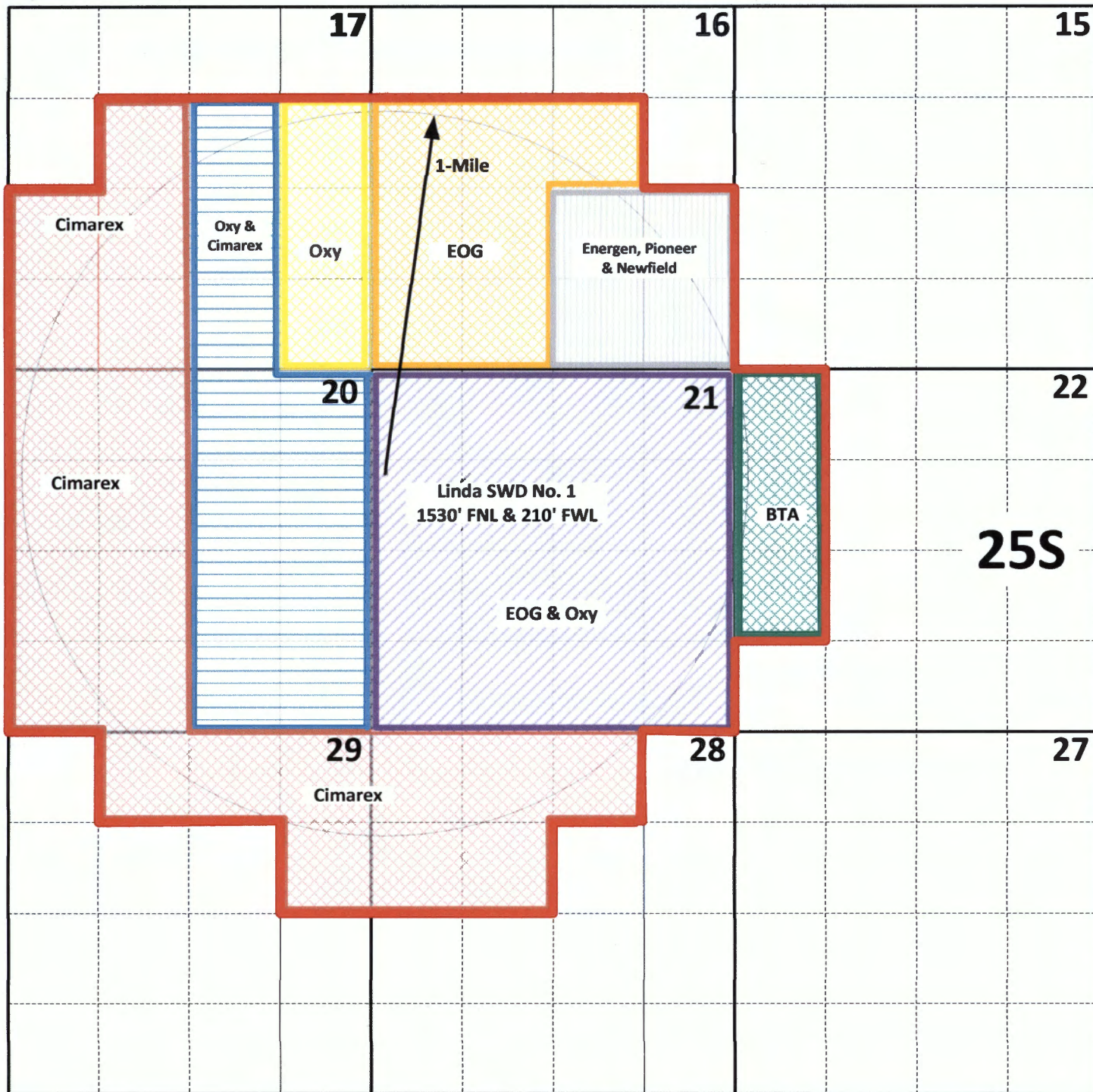
Revised 1-Mile Notice Area Map  
Revised Notice List  
Certified Mail Reciept

Mesquite is still waiting on the Affidavit of Publication. We will forward that to you when we receive it.

Sincerely,



Melanie Wilson-Regulatory Analyst  
Mesquite SWD, Inc.  
P.O. Box 1479  
Carlsbad, New Mexico 88221-1479



# 33 East

C-108 Application  
 Mesquite SWD, Inc.  
 Linda SWD Well No. 1  
 1-Mile Notice Area

 1-Mile Notice Area

**Form C-108 Application  
Mesquite SWD, Inc.  
Linda SWD No. 1  
Section 21, T-25 South, R-33 East, NMPM  
Notice List**

**Cimarex Energy Company  
202 S. Cheyenne Ave., Suite 1000  
Tulsa, Oklahoma 74103**

**Section 17: SW/4 & SE/4 NW/4  
Section 20: W/2  
Section 29: NE/4 NW/4, NW/4 NE/4 & E/2 NE/4  
Section 28: NW/4 & NW/4 NE/4**

**Oxy USA, Inc.  
P.O. Box 4294  
Houston, Texas 77210-4294**

**Section 17: E/2 SE/4 & SE/4 NE/4**

**Oxy USA, Inc. &  
Cimarex Energy Company**

**Section 17: W/2 SE/4 & SW/4 NE/4  
Section 20: E/2**

**EOG Resources, Inc.  
P.O. Box 2267  
Midland, Texas 79702**

**Section 16: SW/4, S/2 NW/4 & SW/4 NE/4**

**EOG Resources, Inc. &  
Oxy USA, Inc.**

**Section 21: All**

**Energen Resources Corporation  
3510 N. A Street  
Buildings A & B  
Midland, Texas 79705**

**Section 16: SE/4**

**Pioneer Natural Resources Co.  
5205 N. O'Connor Blvd., Suite 200  
Irving, Texas 75039**

**Newfield Exploration Gulf Coast, LLC  
363 N. Sam Houston Pkwy., E.  
Suite 2020  
Houston, Texas 77060**

**BTA Oil Producers, LLC  
104 S. Pecos  
Midland, Texas 79701**

**Section 22: W/2 NW/4 & NW/4 SW/4**

**Additional Notice:**

**Bureau of Land Management  
620 E. Greene Street  
Carlsbad, New Mexico 88220-6292**

**(Surface Owner):  
Hughes Properties, LLC  
P.O. Box 5097  
Carlsbad, New Mexico 88221-5097**

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HOUSTON, TX 77060

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| Return Receipt (Electronic)       | \$0.00        |
| Certification Restricted Delivery | \$0.00        |
| Adult Signature Required          | \$0.00        |
| Postage                           | \$2.05        |
| <b>Total</b>                      | <b>\$8.25</b> |



Newfield Exploration Gulf Coast  
363 N. Sam Houston Pkwy, E.  
Suite 2020  
Houston, Texas 77060