

# Initial Application Part I

Received: 01/22/2019

*This application is placed in file for record. It MAY or MAY NOT have been reviewed to be determined Administratively Complete*

RECEIVED: <u>Y-22/2019</u>	REVIEWER:	TYPE: <u>SWD</u>	APP NO: <u>PMAm19023 56820</u>
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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: Mesquite SWD, Inc. OGRID Number: 161968  
 Well Name: Tammy SWD No. 1 API: Not Yet Assigned  
 Pool: SWD; Devonian Pool Code: 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 (PRORATION 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**

- ☐ 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.

David Catanach

Print or Type Name

David Catanach  
 Signature

1/16/19

Date

(505) 690-9453

Phone Number

catanach\_david@comcast.net  
 e-mail Address

January 16, 2019

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

Attention: Mr. Gabriel Wade  
Acting Division Director

Re: Form C-108  
Tammy SWD Well No. 1  
API No. (Not Yet Assigned)  
1890' FSL & 210' FWL, Unit L  
Section 32, T-23S, R-29E, NMPM,  
Eddy County, New Mexico

Dear Mr. Wade,

Enclosed please find a Division Form C-108 (Application for Authorization to Inject) for the Mesquite SWD, Inc. Tammy 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 14,507 feet to 16,000 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 (505) 690-9453.


Sincerely,



David Catanach, Agent for Applicant  
Mesquite SWD, Inc.  
P.O. Box 1479  
Carlsbad, New Mexico 88221-1479

Xc: OCD-Artesia

**APPLICATION FOR AUTHORIZATION TO INJECT**

- I. PURPOSE: Secondary Recovery Pressure Maintenance X 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: David Catanach PHONE: 505-690-9453
- 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: David Catanach TITLE: Agent for Mesquite SWD, Inc.  
SIGNATURE:  DATE: 01/16/2019  
E-MAIL ADDRESS: catanach\_david@comcast.net
- \* 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.**

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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 IV**  
1220 S. ST. FRANCIS DR., SANTA FE, NM 87505  
Phone: (505) 476-3460 Fax: (505) 476-3462

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

☐ AMENDED REPORT

API Number		Pool Code	Pool Name
Property Code	Property Name TAMMY SWD		Well Number 1
OGRID No.	Operator Name MESQUITE SWD		Elevation 2957.6'

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	32	23-S	29-E		1890	SOUTH	210	WEST	EDDY

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
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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

NAD 83 NME  
SURFACE LOCATION  
Y=458237.4 N  
X=639843.3 E  
LAT.=32.259368° N  
LONG.=104.014661° W

210' S.L.  
1890'

## 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

## 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.*

DECEMBER 14, 2018

Date of Survey

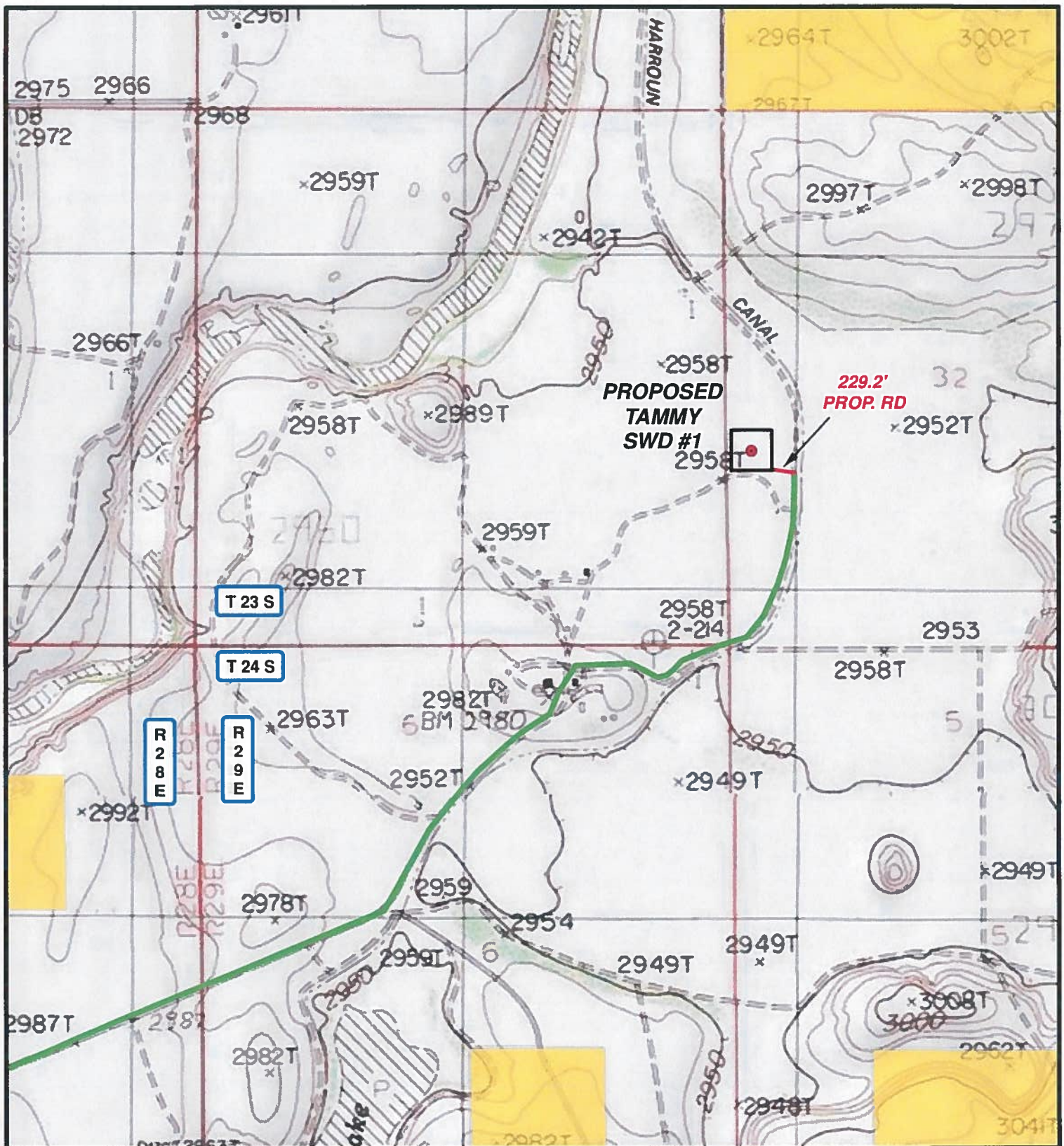
Signature & Seal of Professional Surveyor

Certificate No. CHAD HARCROW 17777

W.O. # 18-1774

DRAWN BY: VD





# **LEGEND**

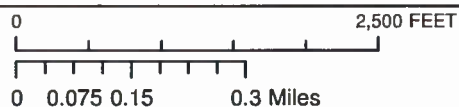
- WELL
- WELLPAD
- EXISTING ROAD
- PROPOSED
- PRIVATE
- STATE OF NM
- US BLM

## **TAMMY SWD #1**

SEC: 32 TWP: 23 S. RGE: 29 E. ELEV: 2957.6'

STATE: NEW MEXICO COUNTY: LEA 1890' FSL & 210' FWL

W.O. # 18-1774 LEASE: TAMMY SWD SURVEY: N.M.P.M



1 IN = 1,250 FT

LOCATION OVERVIEW

LAND STATUS

12/17/2018

V.D.

**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

C-108 Application  
Mesquite SWD, Inc.  
Tammy SWD No. 1  
1890' FSL & 210' FWL (Unit L)  
Section 32, T-23S, R-29E, NMPM  
Eddy County, New Mexico

- I. The purpose of the application is to request approval to utilize the proposed Tammy SWD No. 1 as a produced water disposal well. This is a new well to be drilled for injection.
- II. Mesquite SWD, Inc. ("Mesquite")  
P.O. Box 1479  
Carlsbad, New Mexico 88221-1479  
Contact Parties: Melanie Wilson (575) 914-1461  
David Catanach (505) 690-9453
- 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 39 active or proposed wells within the AOR penetrate, or will penetrate the proposed injection interval. In addition, the only PA'd well within the AOR does not penetrate the proposed 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 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 2,901 psi. If a surface injection pressure above 2,901 psi is necessary, Mesquite 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 23 South, Range 29 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. An examination of Division records indicate that the Siluro-Devonian formation is not productive within Townships 23 & 24 South, Ranges 28 & 29 East. A produced water analysis from the Devonian formation within the Remuda Basin Unit Well No. 1, located in Section 24, Township 23 South, Range 29 East, NMPM, and from the Bell Lake Unit Well No. 6 and Antelope Ridge Unit Well No. 3, located respectively in Sections 6 and 34, both in Township 23 South, Range 34 East, NMPM, Eddy County, New Mexico, were obtained from the Go Tech website, and are attached to this application. These produced water analyses show an average TDS of 68,192 Mg/L.

VIII. Geologic Formation: Devonian/Silurian  
Estimated Top: 14,450'  
Thickness: 1,550'  
Lithology: Limestone w/Interbedded Dolomites

**(Note: The top of the Devonian formation was estimated based on the APD for the Harroun Trust SWD No. 1 which was to be drilled in Lot 1 of Section 6, Township 24 South, Range 29 East, NMPM. The actual formation tops will be determined upon completion of drilling operations, and consequently, the proposed injection interval may be adjusted slightly based upon this geologic data.)**

**(Note: An examination of OCD well records indicate that there is one permitted Devonian produced water disposal well located in the area of the Tammy SWD No. 1. The Lakeside 20702 SWD Well No. 1 is located in Unit G of Section 29, T-23 South, R-29 East, NMPM, and is located approximately 1.38 miles from the Tammy SWD No. 1. The Lakeside 20702 SWD No. 1 has not yet been drilled. Mesquite assumed operatorship of this well from BTA Oil Producers, LLC on December 6, 2018. While Mesquite is aware of a current Division policy that requires Devonian produced water disposal wells to be located 1.5 miles or greater apart, Mesquite, as operator of both the Tammy SWD No. 1 and the**

**Lakeside 20702 SWD No. 1, believes it can mitigate any adverse affect on these wells resulting from the fact that they are located 1.38 miles apart. Consequently, Mesquite requests that the Tammy SWD No. 1 be permitted at its present location.**

USDW's: According to data obtained from the New Mexico State Engineer, it appears that there are two fresh water wells located within one mile of the Tammy SWD No. 1 (See Attached OSE Report). Average depth to fresh water is approximately 34 feet.

- 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. Mesquite is attempting to obtain a fresh water sample from a fresh water well located within one-mile of the Tammy SWD No. 1. If possible to obtain, a water analysis will be performed and provided to the Division.
- XII. Affirmative statement is enclosed.
- XIII. Proof of Notice is enclosed.

Affidavit of Publication is attached. Publication notice was run in the Artesia Daily Press on January 13, 2019.

**INJECTION WELL DATA SHEET: FORM C-108-TAMMY SWD NO. 1**

OPERATOR: Mesquite SWD, Inc.

WELL NAME & NUMBER: Tammy SWD Well No. 1

WELL LOCATION: 1890' FSL & 210' FWL      L      32      23S      29E  
FOOTAGE LOCATION      UNIT LETTER      SECTION      TOWNSHIP      RANGE

**WELLBORE SCHEMATIC**  
**(SEE ATTACHED)**

**WELL CONSTRUCTION DATA**

Surface Casing

Hole Size: 26"      Casing Size: 20" 94# J-55 @ 400'  
Cemented with: 800      sx.      or ft<sup>3</sup>  
Top of Cement: Surface      Method Determined: Circulate

1<sup>st</sup> Intermediate Casing

Hole Size: 17.5"      Casing Size: 13.375" 54.5# J-55 @ 2,650'  
Cemented with: 1500      sx.      or ft<sup>3</sup>  
Top of Cement: Surface      Method Determined: Circulate

2nd Intermediate Casing

Hole Size: 12.25"      Casing Size: 9.625" 40# N-80 @ 10,200'  
Cemented with: 2800      sx.      Or ft.  
DV Stage Tool @ 2,800'  
Top of Cement: Surface      Method Determined: All Stages Circulated

Liner

Hole Size: 8.5"      Casing Size: 7.625" 39# P-110 UFJ @ 9,700'-14,507'  
Cemented with: 545      sx.      or ft<sup>3</sup>  
Top of Cement: 9,700'      Method Determined: Circulate to TOL

Total Depth: Approximately 16,000'

Injection Interval

Approximately 14,507' To 16,000'  
(Perforated or Open Hole; indicate which) Open Hole

Tubing Size: Tapered String 7" 26# P-110/5 ½" 17# P-110 Lining Material: Fiberglass Coated  
Type of Packer: Lok-Set or Equivalent  
Packer Setting Depth: Approximately 14,460'  
Other Type of Tubing/Casing Seal (if applicable): \_\_\_\_\_

### Additional Data

1. Is this a new well drilled for injection: X Yes      No  
If no, for what purpose was the well originally drilled? \_\_\_\_\_  
\_\_\_\_\_
2. Name of Injection Formation: Siluro-Devonian
3. Name of Field or Pool (if applicable): SWD; Devonian
4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used: None  
\_\_\_\_\_
5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area: According to OCD pool records, the Cedar Canyon-Bone Spring (6,540'-9,700') and Purple Sage-Wolfcamp Gas Pools (9,745'-10,970') are located within Section 32. Within the general area of Section 32 are the following additional pools: Harroun Ranch-Delaware Pool (6,380'); South Culebra Bluff-Atoka Gas Pool (11,750'-12,185'); Laguna Grande-Morrow Gas Pool (12,600'-13,400')



**Mesquite SWD, Inc.**  
**Tammy SWD No. 1: Proposed Wellbore Schematic**  
**1890' FSL & 210' FWL (Unit L)**  
**Section 32, T-23S, R-29E, NMPM, Eddy County, NM**

**Surface Casing:**

Hole Size: 26"  
 Size: 20" 94# J-55  
 Set @: 400'  
 Sx. Cmt: 800  
 TOC: Surface

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

Hole Size: 17.5"  
 Size: 13.375" 54.5# J-55  
 Set @: 2,650'  
 Sx. Cmt: 1500  
 TOC: Surface

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

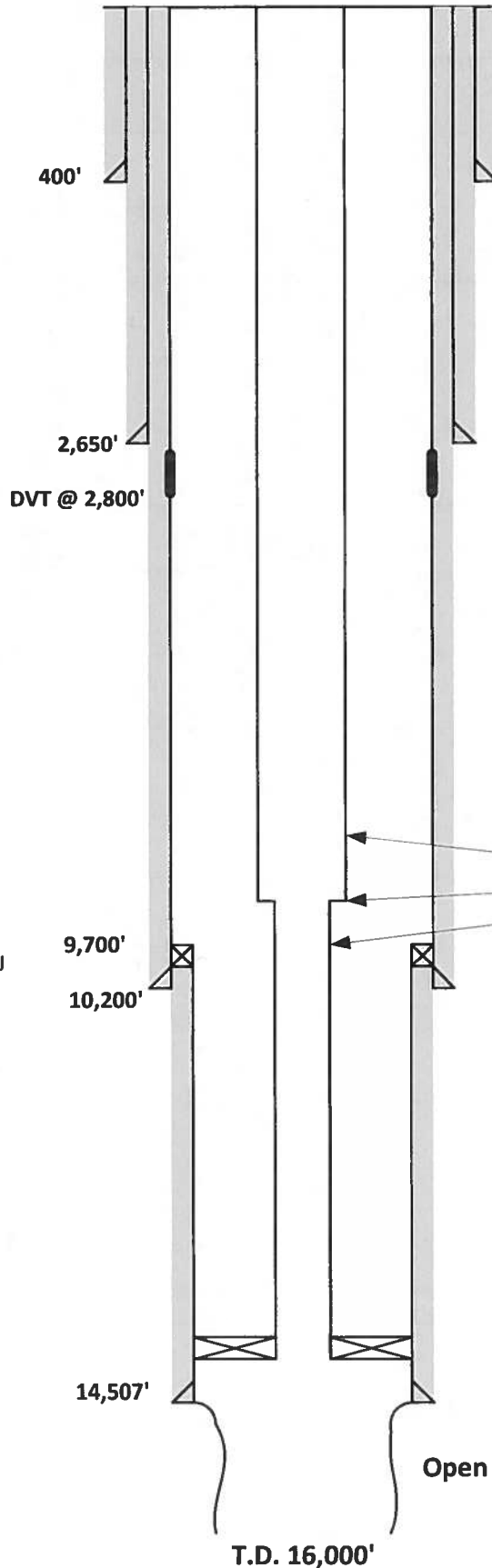
Hole Size: 12.25"  
 Size: 9.625 40# N-80  
 Set @: 10,200'  
 Stage Cemented; 2800 Sx.  
 DV Tool @ 2,800'  
 All Stages Circulate  
 TOC: Surface

**Liner**

Hole Size: 8.5"  
 Size: 7.625" 39# P-110 UFJ  
 Set @: 9,700'-14,507'  
 Sx. Cmt: 545  
 TOC: 9,700' (Liner Top)

**Open Hole Injection Interval**

Hole Size: 6 1/2"  
 Interval: 14,507' - 16,000'



**Estimated Formation Tops:**

Top of Salt:	600'
Base of Salt:	2,515'
Delaware:	2,775'
Bone Spring:	6,540'
Wolfcamp:	9,745'
Strawn:	11,560'
Atoka:	11,750'
Morrow:	12,600'
Barnett:	13,400'
Mississippian:	14,150'
Top Siluro-Devonian:	14,450'
Fusselman:	14,700'
Montoya:	15,550'
Simpson:	15,875'
Ellenburger:	16,420'

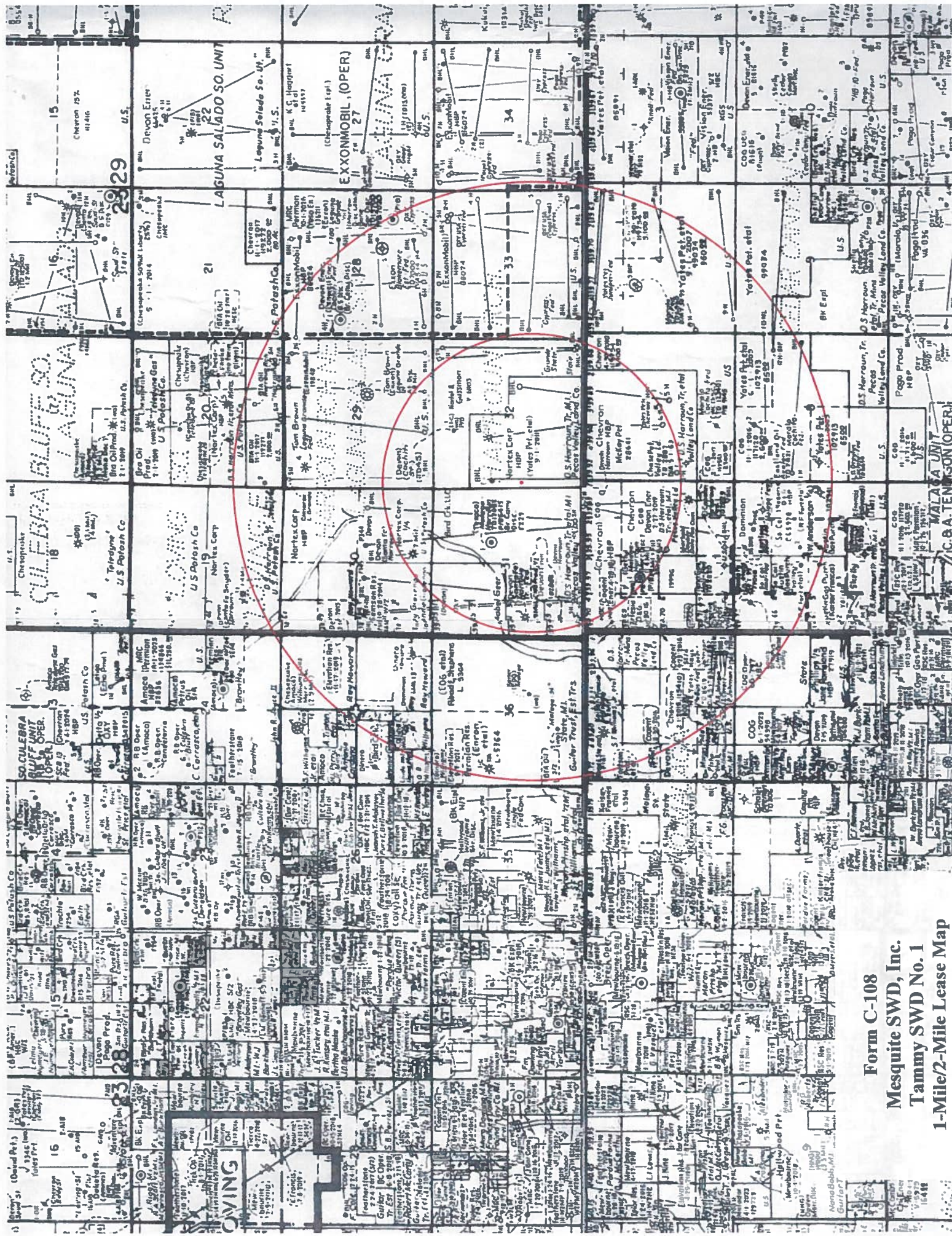
(Note: Formation tops based on offset Harroun Trust SWD No. 1 which was to be drilled in Lot 1 of Section 6, T-24S, R-29E)

**Injection Tubing**

7" 26# P-110 Tbg: Surface-9,500'  
 7" x 5 1/2" X-Over @ 9,500'  
 5 1/2" 17# P-110 Tbg. 9,500'-14,460'  
 7 5/8" x 5 1/2" Dual Bore Permapak Packer @ 14,460'

**Open Hole Injection Interval: 14,507'-16,000'**





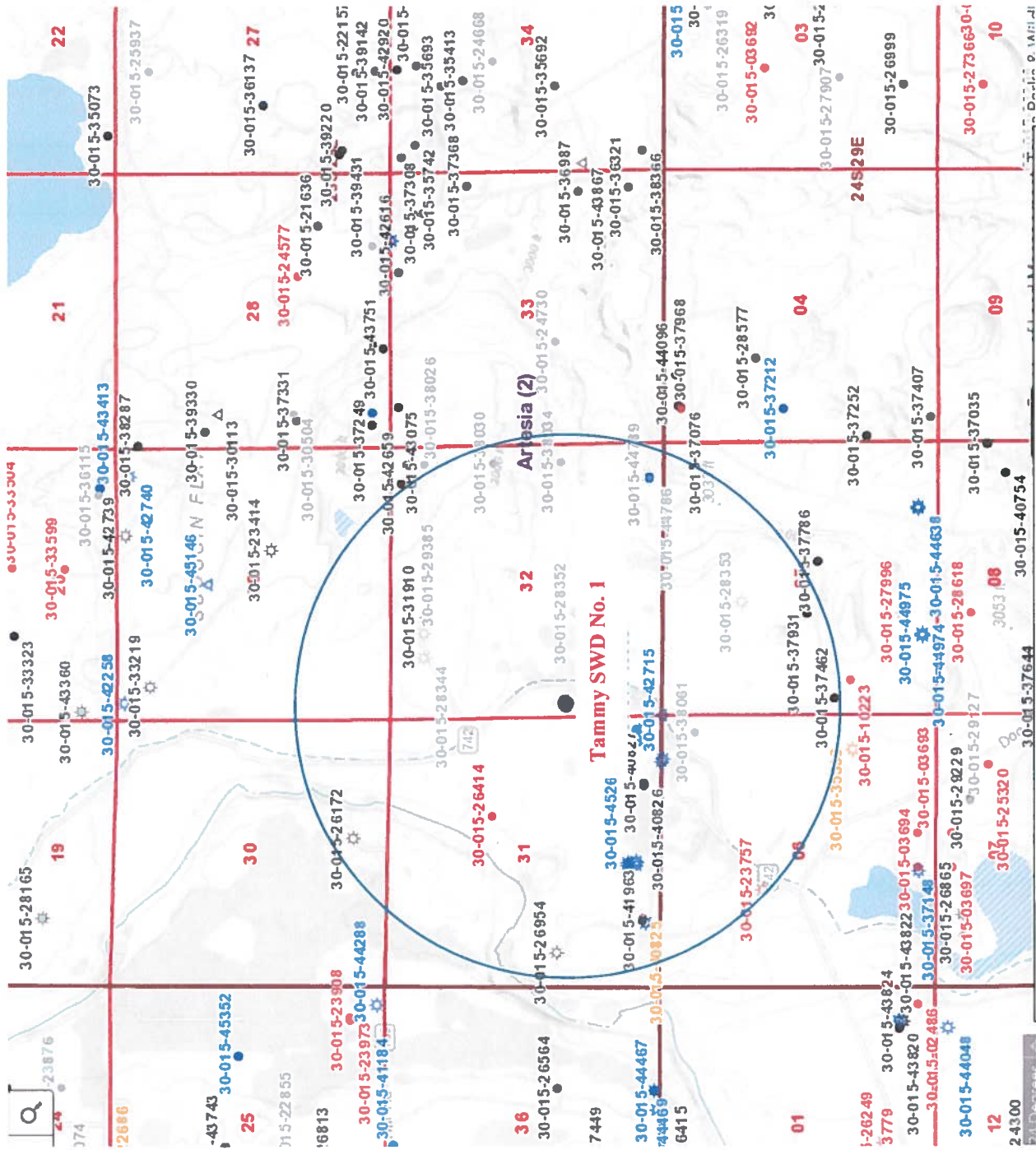
Form C-108

Mesquite SWD, Inc.

Tammy SWD No. 1

1-Mile/2-Mile Lease Map





Mesquite SWD, Inc. Form C-108; Tammy SWD No. 1  
Section 32, T-23S, R-29E; One-Mile AOR Map

**MESQUITE SWD, INC.**  
**TAMMY SWD WELL NO. 1**  
**ONE-MILE AREA OF REVIEW WELL LIST (ACTIVE, NYD OR PA'D)**

API NUMBER	OPERATOR	LEASE NAME	WELL NO.	WELL TYPE	STATUS	FTG. N/S	N/S	FTG. E/W	EW	UNIT	SEC.	TSHP.	RNG.	TVD	MD	COMPLETION
30-015-44637	Chevron USA, Inc.	CB SE 5 32 Federal Com	11H	Gas	NYD	379'	S	1300'	E	P	5	24S	29E	10,063'	20,186'	Wolfcamp
					BHL	280'	N	2180'	E	B	32	23S	29E	Proposed Depths		
30-015-44638	Chevron USA, Inc.	CB SE 5 32 Federal Com	12H	Gas	NYD	380'	S	1275'	E	P	5	24S	29E	10,093'	20,161'	Wolfcamp
					BHL	280'	N	1255'	E	A	32	23S	29E	Proposed Depths		
30-015-44639	Chevron USA, Inc.	CB SE 5 32 Federal Com	13H	Gas	Drilling	380'	S	1250'	E	P	5	24S	29E	10,450'	20,076'	Wolfcamp
					BHL	280'	N	330'	E	A	32	23S	29E	Proposed Depths		
30-015-44974	Chevron USA, Inc.	CB SE 5 32 Federal Com 3	1H	Gas	NYD	295'	S	1542'	W	N	5	24S	29E	10,174'	20,253'	Wolfcamp
					BHL	180'	N	330'	W	D	32	23S	29E	Proposed Depths		
30-015-44975	Chevron USA, Inc.	CB SE 5 32 Federal Com 3	2H	Gas	NYD	295'	S	1567'	W	N	5	24S	29E	10,204'	20,278'	Wolfcamp
					BHL	180'	N	1254'	W	D	32	23S	29E	Proposed Depths		
30-015-44976	Chevron USA, Inc.	CB SE 5 32 Federal Com 3	3H	Gas	NYD	295'	S	1592'	W	N	5	24S	29E	10,234'	20,309'	Wolfcamp
					BHL	180'	N	2178'	W	C	32	23S	29E	Proposed Depths		
30-015-37462	EOG Y Resources, Inc.	Chevron BOT	1H	Oil	Active	1980'	S	330'	W	L	5	24S	29E	7,568'	13,912'	Bone Spring
					BHL	1948'	N	361'	W	E	32	23S	29E			
30-015-37786	EOG Y Resources, Inc.	Chevron BOT	5H	Oil	Active	2310'	S	2310'	E	J	5	24S	29E	7,628'	12,772'	Bone Spring
					BHL	7608'	S	1672'	E	J	32	23S	29E			
30-015-37931	EOG Y Resources, Inc.	Chevron BOT	6H	Oil	Active	2500'	S	1980'	W	K	5	24S	29E	7,501'	13,460'	Bone Spring
					BHL	1949'	N	1800'	W	F	32	23S	29E			
30-015-31970	Marathon Oil Permian, LLC	Grande State SWD	1	SWD	Active	660'	N	1980'	W	C	32	23S	29E	12,500'		Bone Spring
														PBTD: 4,550'		
30-015-39345	Marathon Oil Permian, LLC	Macho Grande State	1H	Oil	Active	330'	N	330'	E	A	32	23S	29E	7,767'	12,350'	Bone Spring
					BHL	330'	S	330'	E	P	32	23S	29E			
30-015-42659	Marathon Oil Permian, LLC	Macho Grande State	2H	Oil	Active	200'	N	700'	E	A	32	23S	29E	10,970'	15,425'	Wolfcamp
					BHL	462'	S	344'	E	P	32	23S	29E			
30-015-44788	Marathon Oil Permian, LLC	Macho Grande St. 23 29 32 SB	7H	Oil	NYD	272'	S	660'	E	P	32	23S	29E	8,660'	13,360'	Bone Spring
					BHL	330'	N	661'	E	A	32	23S	29E	Proposed Depths		
30-015-44787	Marathon Oil Permian, LLC	Macho Grande St. 23 29 32 TB	6H	Oil	NYD	272'	S	690'	E	P	32	23S	29E	9,858'	14,477'	Bone Spring
					BHL	330'	N	992'	E	A	32	23S	29E	Proposed Depths		
30-015-40825	Devon Energy Prod. Co., LP	Harroun Trust 31	3H	Oil	Active	330'	S	1355'	W	N	31	23S	29E	6,380'	13,582'	Delaware
					BHL	2310'	S	1980'	W	K	30	23S	29E			



**MESQUITE SWD, INC.**  
**TAMMY SWD WELL NO. 1**  
**ONE-MILE AREA OF REVIEW WELL LIST (ACTIVE, NYD OR PA'D)**

API NUMBER	OPERATOR	LEASE NAME	WELL NO.	WELL TYPE	STATUS	FTG. N/S	N/S	FTG. E/W	E/W	UNIT	SEC.	TSHP.	RNG.	TVD	MD	COMPLETION
30-015-40826	Devon Energy Prod. Co., LP	Harroun Trust 31	4H	Oil	Active BHL	330' 2306'	S S	1345' 2011'	E E	O O	31 30	23S 23S	29E 29E	6,408'	13,605'	Delaware
30-015-40827	Devon Energy Prod. Co., LP	Harroun Trust 31	5H	Oil	Active BHL	330' 2314'	S S	1295' 689'	E E	P A	31 30	23S 23S	29E 29E	6,432'	13,433'	Delaware
30-015-41963	Devon Energy Prod. Co., LP	Harroun Trust 31 30 Fed Com	2H	Oil	Active BHL	330' 2308'	S S	1305' 651'	W W	M L	31 30	23S 23S	29E 29E	6,324'	13,217'	Delaware
30-015-26954	Devon Energy Prod. Co., LP	Harroun Trust 31 Fed Com	1	Gas	Active	1980'	S	660'	W	L	31	23S	29E	12,185'		Atoka
30-015-45302	Devon Energy Prod. Co., LP	Spud Muffin 31 30	332H	Oil	NYD BHL	625' 20'	S N	2405' 2549'	W W	N C	31 30	23S 23S	29E 29E	9,655' Proposed Depths	19,963'	Bone Spring
30-015-45303	Devon Energy Prod. Co., LP	Spud Muffin 31 30	334H	Oil	NYD BHL	485' 20'	S N	250' 975'	E E	P A	31 30	23S 23S	29E 29E	9,730' Proposed Depths	20,050'	Bone Spring
30-015-45267	Devon Energy Prod. Co., LP	Spud Muffin 31 30	623H	Gas	NYD BHL	625' 230'	S N	2435' 1870'	W E	N B	31 30	23S 23S	29E 29E	9,975' Proposed Depths	19,960'	Wolfcamp
30-015-45268	Devon Energy Prod. Co., LP	Spud Muffin 31 30	624H	Gas	NYD BHL	485' 230'	S N	280' 330'	E E	P A	31 30	23S 23S	29E 29E	10,050' Proposed Depths	19,929'	Wolfcamp
30-015-44754	Devon Energy Prod. Co., LP	Spud Muffin 31 30	735H	Gas	NYD BHL	475' 230'	S N	2465' 2178'	W E	N B	31 30	23S 23S	29E 29E	10,761' Proposed Depths	18,364'	Wolfcamp
30-015-44755	Devon Energy Prod. Co., LP	Spud Muffin 31 30	736H	Gas	NYD BHL	335' 230'	S N	485' 1254'	E E	P A	31 30	23S 23S	29E 29E	10,893' Proposed Depths	18,512'	Wolfcamp
30-015-44756	Devon Energy Prod. Co., LP	Spud Muffin 31 30	737H	Gas	NYD BHL	335' 230'	S N	245' 990'	E E	P A	31 30	23S 23S	29E 29E	10,759' Proposed Depths	18,090'	Wolfcamp
30-015-44757	Devon Energy Prod. Co., LP	Spud Muffin 31 30	738H	Gas	NYD BHL	335' 230'	S N	455' 330'	E E	P A	31 30	23S 23S	29E 29E	10,896' Proposed Depths	18,203'	Wolfcamp
30-015-45266	Devon Energy Prod. Co., LP	Spud Muffin 31 30 Com	622H	Gas	NYD BHL	625' 230'	S N	2375' 1870'	W W	N C	31 30	23S 23S	29E 29E	9,975' Proposed Depths	19,951'	Wolfcamp
30-015-44752	Devon Energy Prod. Co., LP	Spud Muffin 31 30 Com	733H	Gas	NYD BHL	475' 230'	S N	2375' 1650'	W W	N C	31 30	23S 23S	29E 29E	10,738' Proposed Depths	18,390'	Wolfcamp
30-015-44753	Devon Energy Prod. Co., LP	Spud Muffin 31 30 Com	734H	Gas	NYD BHL	475' 230'	S N	2435' 2178'	W W	N C	31 30	23S 23S	29E 29E	10,868' Proposed Depths	18,505'	Wolfcamp

**MESQUITE SWD, INC.**  
**TAMMY SWD WELL NO. 1**  
**ONE-MILE AREA OF REVIEW WELL LIST (ACTIVE, NYD OR PA'D)**

API NUMBER	OPERATOR	LEASE NAME	WELL NO.	WELL TYPE	STATUS	FTG. N/S	FTG. N/S	FTG. E/W	UNIT	SEC.	TSHP.	RNG.	TVD	MD	COMPLETION
30-015-45460	Devon Energy Prod. Co., LP	Spud Muffin 31 30 Fed Com	731H	Gas	NYD	270'	S 1245'	W 330'	M	31	23S	29E	10,648'	20,714'	Wolfcamp
					BHL	230'	N 330'	W	D	30	23S	29E	Proposed Depths		
30-015-45459	Devon Energy Prod. Co., LP	Spud Muffin 31 30 Fed Com	732H	Gas	NYD	270'	S 1275'	W 990'	M	31	23S	29E	10,648'	20,600'	Wolfcamp
					BHL	230'	N 990'	W	D	30	23S	29E	Proposed Depths		
30-015-26172	Devon Energy Prod. Co., LP	Harroun Trust	1	Gas	Active	660'	S 2310'	E	O	30	23S	29E	13,356'		Atoka
30-015-42258	Cimarex Energy Company	Laguna Grande 29 Federal	5H	Gas	NYD	140'	N 330'	W	D	29	23S	29E	8,593'	13,212'	Wolfcamp
					BHL	660'	S 660'	W	M	29	23S	29E	Proposed Depths		
30-015-43174	Cimarex Energy Company	Laguna Grande 29 Federal	6	Oil	NYD	98'	S 2562'	W	N	20	23S	29E	8,593'	13,731'	Bone Spring
					BHL	330'	S 1980'	W	N	29	23S	29E	Proposed Depths		
30-015-42739	Cimarex Energy Company	Laguna Grande Unit	7H	Gas	Active	180'	N 1650'	E	B	29	23S	29E	9,995'	14,595'	Wolfcamp
					BHL	326'	S 1878'	E	O	29	23S	29E			
30-015-43262	Devon Energy Prod. Co., LP	Harroun Trust 6 SWD	1	SWD	NYD	661'	N 350'	E	A	6	24S	29E	16,075'		Devonian
														Expired APD	
30-015-42715	Oxy USA, Inc.	Pecos Valley 6 7 WOAHH Federal Com	1H	Gas	NYD	40'	N 850'	E	A	6	24S	29E	9,864'	17,309'	Wolfcamp
					BHL	2310'	N 330'	E	H	7	24S	29E	Possible Expired APD		
30-015-42714	Oxy USA, Inc.	Pecos Valley 6 7 W2AH Federal Com	2H	Gas	NYD	10'	N 890'	E	A	6	24S	29E	10,927'	18,290'	Wolfcamp
					BHL	2326'	N 330'	E	H	7	24S	29E	Possible Expired APD		
30-015-26414	Devon Energy Prod. Co., LP	Malaga Harroun 31	1	Oil	PA	2012'	N 1899'	E	G	31	23S	29E	12,082'		Delaware

Section	Township	Range	Unit	Field	Formation	Sample Source	pH	tds mg/L	Resistivity	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
16	235	29E	D		DELAWARE-BRUSHY CANYON		6.3	29675.1		74542.2	32307.5	51.6	4723.3	10.04	182394	182394	25	3.4
22	235	29E	C		DELAWARE-BRUSHY CANYON		6.2	297620.4		71506.6	31763.4	60.5	4690.6	11.03	186000	186000	188	0
22	235	29E	M		DELAWARE-BRUSHY CANYON		6.1	288730.6		69567.3	31995.5	59	4780.6	10.36	179020.5	179020.5	122	0
22	235	29E	M		DELAWARE-BRUSHY CANYON		6.5	108093.2	0.04824	72995	26487.3	283.7	4547.4	17.1	188800	188800	36.6	0
22	235	29E	C		DELAWARE-BRUSHY CANYON		6.3	302544.8	0.04833	72865	32245.2	56.3	4886.7	11.18	188800	188800	61	0
22	235	29E	C		DELAWARE-BRUSHY CANYON		6.2	294876.3	0.04844	73460.2	32487.8	53	4982.8	10.75	181802.2	181802.2	61	0
16	235	29E	D		DELAWARE-BRUSHY CANYON		6.2	294876.3	0.04844	73460.2	32487.8	53	4982.8	10.75	181802.2	181802.2	61	0
22	235	29E	C		DELAWARE-BRUSHY CANYON		6.2	294876.3	0.04844	73460.2	32487.8	53	4982.8	10.75	181802.2	181802.2	61	0
22	235	29E	C		DELAWARE-BRUSHY CANYON		6.8	293357.2	0.1431	68897.3	31171.8	55.4	4582.2	10.57	184350	184350	24	0
22	235	29E	C		DELAWARE-BRUSHY CANYON		6.5	292738.7	0.04954	69172.3	31471.9	52.1	4556.6	10.16	183597.2	183597.2	122	0
16	235	29E	O		AVALLON UPPER		7	154164.4	0.06015	54660.3	2972.8	35.3	202.5	0	92020.7	3660	0	1100
31	235	29E	O		DELAWARE-BRUSHY CANYON		7	297940.8	0.04949	79092.1	29745.4	70.1	4416.8	8.77	180802.1	85.4	0	2000
31	235	29E	P		DELAWARE-BRUSHY CANYON		6	295110	0.04941	76600.3	28511.9	59.9	4244.8	8.25	181794.5	73.2	0	2000
16	235	29E	I		BONE SPRING 1ST SAND		7	152943.4	0.06013	54183.5	1409.3	16.2	274.9	0	92807.2	2305.8	0	400
16	235	29E	I		BONE SPRING 1ST SAND		7	153041.8	0.06026	53895.7	1294.2	0	272.6	0	92918.4	2708.4	0	460
16	235	29E	I		BONE SPRING 1ST SAND		7	146424.7	0.06343	55118.3	1444.9	11.4	312.8	0	84786.4	2659.6	0	420
31	235	29E	M		DELAWARE-BRUSHY CANYON		6	296787.8	0.04959	80277.8	29889.4	64.8	4475.1	7.97	178386.3	73.2	0	2000
17	235	29E	N		MORROW	UNKNOWN	6	63233								37600	142	810
22	235	29E	M		DELAWARE-BRUSHY CANYON		5	303549.5		80233.3	27451	49	4197	9	187467	103.7	331	
24	235	29E	J	REMUDA	DEVONIAN	SWAB		64542								37500	610	1700
24	235	29E	J	REMUDA	BONE SPRING	DST		271010								168000	130	100
24	235	29E	J	REMUDA	DEVONIAN	SWAB		56922								28000	1740	4980
16	235	29E	D		DELAWARE-BRUSHY CANYON		6.25	273399.2		77600.2	20096	44	3301	6.5	188700	85	454	440
22	235	29E	D		AVALLON UPPER		7	154965.1		76867.2	21719	54	131	1	91118	1671.4	1502	70
22	235	29E	C		DELAWARE-BRUSHY CANYON		7	154965.1		76867.2	21719	54	131	1	91118	1671.4	1502	70
16	235	29E	C		DELAWARE-BRUSHY CANYON		6.7	113750.8		57960.8	11488	10	344	0.3	131687	18.8	375	60
2	265	31E	P		WOLF CAMP		7.3	81366.40		26319.40	2687.4	26.1	326.7		50281.2	951.6	395.7	100

Form C-108: Mesquite SWD, Inc., Tammy SWD Well No. 1  
Delaware, Bone Spring & Wolfcamp Source Water Analysis

Well Name & Number	API No.	Section	Township	Range	Unit	Field	Formation	Sample Source	Ph	Tds/Mg/l	Chloride/Mg/l	Bicarbonate/Mg/l	Sulfate/Mg/l
REMUDA BASIN UNIT #001	3001503691	24	23S	29E	J	REMUDA	DEVONIAN	SWAB		64582	37500	610	1700
REMUDA BASIN UNIT #001	3001503691	24	23S	29E	J	REMUDA	DEVONIAN	SWAB		56922	29000	1740	4980
BELL LAKE UNIT #006	3002508483	6	23S	34E	O	BELL LAKE NORTH	DEVONIAN	HEATER TREATER	7	71078	42200	500	1000
ANTELOPE RIDGE UNIT #003	3002521082	34	23S	34E	K	ANTELOPE RIDGE	DEVONIAN	UNKNOWN	6.9	80187	47900	476	900

**Mesquite SWD, Inc.**  
**Form C-108: Tammy SWD No. 1**  
**Injection Formation Water Analysis**





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

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

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

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	DepthWell	DepthWater	Water Column
<a href="#">C 03615 POD1</a>		CUB	ED	1	3	2	06	24S	29E	591964	3568500	60	36	24
<a href="#">C 03615 POD2</a>		CUB	ED	4	2	4	06	24S	29E	592661	3568013	60	26	34

Average Depth to Water: 31 feet

Minimum Depth: 26 feet

Maximum Depth: 36 feet

**Record Count:** 2

**PLSS Search:**

**Section(s):** 5-6

**Township:** 24S

**Range:** 29E

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.

1/7/19 11:08 AM

WATER COLUMN/ AVERAGE DEPTH  
TO WATER



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

(A CLW##### in the  
POD suffix indicates the  
POD has been replaced  
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(R=POD has been  
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(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	Code	POD Sub- basin	County	Q	Q	Q	Sec	Tws	Range	X	Y	DepthWell	DepthWater	Water Column
<a href="#">C 00571</a>		CUB	ED	1	3	3	30	23S	29E	591241	3570957*	90	38	52
<a href="#">C 00571 CLW241602</a>	O	CUB	ED	3	3	3	30	23S	29E	591241	3570757*	89	38	51
<a href="#">C 02182</a>		C	ED			4	30	23S	29E	592328	3571048*	75	30	45
<a href="#">C 03587 POD1</a>		CUB	ED	1	4	3	29	23S	29E	593338	3570754	99	44	55

Average Depth to Water: 37 feet

Minimum Depth: 30 feet

Maximum Depth: 44 feet

**Record Count:** 4

**PLSS Search:**

**Section(s):** 29-32

**Township:** 23S

**Range:** 29E

\*UTM location was derived from PLSS - see Help

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

1/7/19 11:06 AM

WATER COLUMN/ AVERAGE DEPTH  
TO WATER

Form C-108  
Affirmative Statement  
Mesquite SWD, Inc.  
Tammy SWD No. 1  
Section 32, T-23 South, R-29 East, NMPM,  
Eddy County, New Mexico

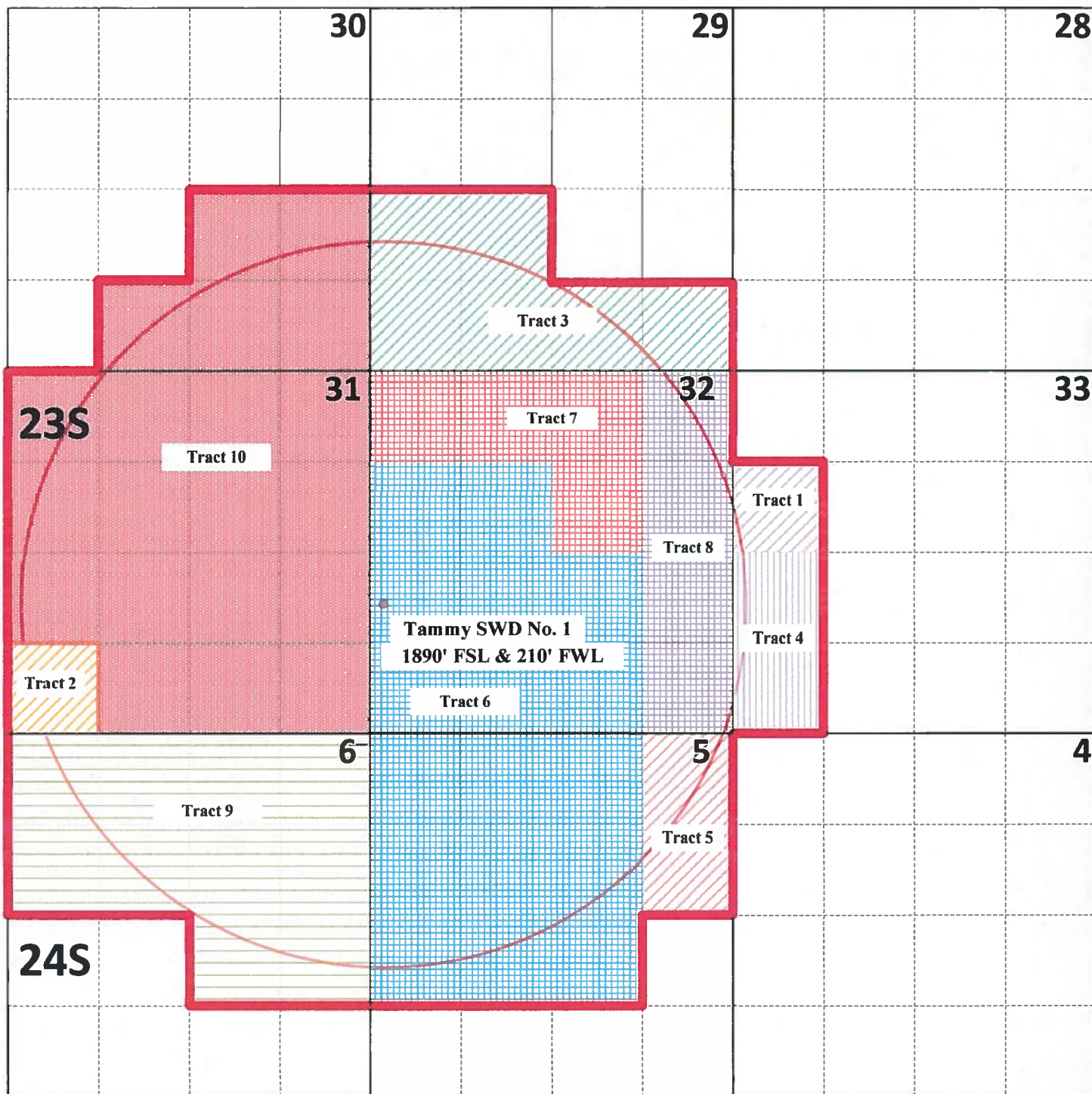
Available geologic and engineering data has been examined and no evidence of open faults or hydrological connection between the injection zone and any underground sources of drinking water has been found.



Riley Neatherlin  
Operations Manager-Mesquite SWD, Inc.

1/7/19

Date



**29 East**

— 1-Mile Notice Area

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



January 16, 2019

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

**TO: See Attached Notice List**

**Re: Mesquite SWD, Inc.  
Form C-108 (Application for Authorization to Inject)  
Tammy SWD Well No. 1  
API No. (Not Yet Assigned)  
1890' FSL & 210' FWL, Unit L, Section 32, T-23S, R-29E, NMPM,  
Eddy 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. Tammy 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 Tammy 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 14,507 feet to 16,000 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 (505) 690-9453.

Sincerely,



David Catanach, Agent for Applicant  
Mesquite SWD, Inc.  
P.O. Box 1479  
Carlsbad, New Mexico 88221-1479

Enclosure

**Form C-108 Application  
Mesquite SWD, Inc.  
Tammy SWD No. 1  
Section 32, T-23 South, R-29 East, NMPM  
Notice List (Offset Operators and/or Leasehold Owners)**

**(See Attached Tract Map)**

**Tract 1:        Section 33-23S-29E: SW/4 NW/4**

**XTO Holdings, LLC  
810 Houston Street  
Fort Worth, Texas 76102**

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

**Tract 2:        Section 31-23S-29E: Lot 4 (SW/4 SW/4)**

**Devon Energy Production Co., LP  
20 N. Broadway  
Oklahoma City, Oklahoma 73102**

**RKI Exploration & Production, LLC  
3500 One Williams Center  
Tulsa, Oklahoma 74172**

**Oxy USA, Inc.**

**Tract 3:        Section 29-23S-29E: SW/4 & S/2 SE/4**

**Olwick Corp.  
P.O. Box 10886  
Midland, Texas 79702**

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

**Cimarex Energy Company  
600 N. Marienfeld St.  
Suite 600  
Midland, Texas 79701**

**Tract 4:        Section 33-23S-29E: W/2 SW/4**

**XTO Holdings, LLC  
Oxy USA, Inc.**

Form C-108 Application  
Mesquite SWD, Inc.  
Tammy SWD No. 1  
Section 32, T-23 South, R-29 East, NMPM  
Notice List (Offset Operators and/or Leasehold Owners) Cont.

**Tract 5:**      Section 5-24S-29E:    E/2 NE/4

Chevron USA, Inc.  
1400 Smith Road  
Houston, Texas 77002

**Tract 6:**      Section 32-23S-29E: SW/4, S/2 NW/4, W/2 SE/4  
Section 5-24S-29E:    NW/4, W/2 NE/4, N/2 SW/4, NW/4 SE/4

Chevron USA, Inc.

EOG Y Resources, Inc.  
104 S. 4<sup>th</sup> Street  
Artesia, New Mexico 88210

**Tract 7:**      Section 32-23S-29E:    N/2 NW/4, W/2 NE/4

Chevron USA, Inc.

**Tract 8:**      Section 32-23S-29E:    E/2 E/2

Marathon Oil Permian, LLC

Chevron USA, Inc.

**Tract 9:**      Section 6-24S-29E:    N/2, N/2 SE/4

Oxy USA, Inc.

**Tract 10:**      Section 30-23S-29E: SE/4, SE/4 SW/4  
Section 31-23S-29E:    N/2, N/2 S/2, S/2 SE/4, SE/4 SW/4

Devon Energy Production Co., LP

**Surface Owner:**

Mesquite SWD, Inc.  
P.O. Box 1479  
Carlsbad, New Mexico 88221-1479

7016 1630 0001 9300 9796

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 City, St

**Devon Energy Production Co., LP**  
**20 N. Broadway**  
**Oklahoma City, Oklahoma 73102**

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

7016 1630 0001 9300 9796

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☐ Return Receipt (electronic) \$0.00

☐ Certified Mail Restricted Delivery \$0.00

☐ Adult Signature Required \$0.00

☐ Adult Signature Restricted Delivery \$0.00

Postage \$1.84

Total P \$8.04

Sent To  
 Street  
 City, St

**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

7016 0360 0001 7020 3765

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 Street  
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**XTO Holdings, LLC**  
**810 Houston Street**  
**Fort Worth, Texas 76102**

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Sent To  
 Street  
 City, St

**EOG Resources, Inc.**  
**104 S. 4th Street**  
**Artesia, New Mexico 88210**

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Postage \$1.84

Total P \$8.04

Sent To  
 Street  
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**Chevron USA, Inc.**  
**1400 Smith Road**  
**Houston, Texas 77002**

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☐ Certified Mail Restricted Delivery \$0.00

☐ Adult Signature Required \$0.00

☐ Adult Signature Restricted Delivery \$0.00

Postage \$1.84

Total P \$8.04

Sent To  
 Street  
 City, St

**Cimarex Energy Company**  
**600 N. Marienfeld St.**  
**Suite 600**  
**Midland, Texas 79701**

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HOUSTON, TX 77056	
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Extra Services & Fees (check box, add fee as appropriate)	
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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	\$1.84
Total Post	\$8.04
Sent To	Marathon Oil Permian, LLC
Street and	5555 San Felipe St.
City, State	Houston, Texas 77056
PS Form 3800, April 2015 PSN 7530-02-000-9047 See reverse for instructions	

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Certified Mail Fee	\$3.45
Extra Services & Fees (check box, add fee as appropriate)	
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<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	\$1.84
Total Post	\$8.04
Sent To	Olwick Corp.
Street and	P.O. Box 10886
City, State	Midland, Texas 79702
PS Form 3800, April 2015 PSN 7530-02-000-9047 See reverse for instructions	

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TULSA, OK 74172	
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Certified Mail Fee	\$3.45
Extra Services & Fees (check box, add fee as appropriate)	
<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	\$1.84
Total Post	\$8.04
Sent To	RKI Exploration & Prod., LLC
Street and	3500 One Williams Center
City, State	Tulsa, Oklahoma 74172
PS Form 3800, April 2015 PSN 7530-02-000-9047 See reverse for instructions	

# Affidavit of Publication

No. 24964

State of New Mexico

County of Eddy:

**Danny Scott**

being duly sworn says that he is the **Publisher**  
of the Artesia Daily Press, a daily newspaper of General  
circulation, published in English at Artesia, said county  
and state, and that the hereto attached

## Legal Ad

was published in a regular and entire issue of the said  
Artesia Daily Press, a daily newspaper duly qualified  
for that purpose within the meaning of Chapter 167 of  
the 1937 Session Laws of the state of New Mexico for

1 Consecutive weeks/day on the same  
day as follows:

First Publication January 13, 2019

Second Publication

Third Publication

Fourth Publication

Fifth Publication

Sixth Publication

Seventh Publication

Subscribed and sworn before me this

14th day of January 2019



OFFICIAL SEAL  
Latisha Romine  
NOTARY PUBLIC-STATE OF NEW MEXICO

My commission expires: 3/12/2019

*Latisha Romine*

Latisha Romine

Notary Public, Eddy County, New Mexico

# Copy of Publication:

## 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 Tammy SWD No. 1 (API No. N/A) to be drilled 1890 feet from the South line and 210 feet from the West line (Unit L) of Section 32, Township 23 South, Range 29 East, NMPM, Eddy 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 14,507 feet to 16,000 feet.

Produced water from the Bone Spring, Wolfcamp and other formations originating from wells in this area will be injected into the Tammy 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 2,901 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 or David Catanach-Agent for Mesquite SWD, Inc., at (505) 690-9453

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