

SWD-1855

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Revised March 23, 2017

RECEIVED: 11/9/18	REVIEWER:	TYPE: SWD	APP NO: PLEH 1832554216
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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: Red Bellied Conter SWD Well 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☐ PPR2) **NOTIFICATION REQUIRED TO:** Check those which apply.A. ☒ Offset operators or lease holdersB. ☐ Royalty, overriding royalty owners, revenue ownersC. ☒ Application requires published noticeD. ☐ Notification and/or concurrent approval by SLOE. ☒ Notification and/or concurrent approval by BLMF. ☒ Surface ownerG. ☒ 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.

Melanie Wilson

Print or Type Name

Signature

11/8/2018

Date

(575) 914-1461

Phone Number

mjp1692@gmail.com

e-mail Address

C-108 Application
Mesquite SWD, Inc.
Red Bellied Cooter SWD No. 1
375' FSL & 381' FEL (Unit P)
Section 3, T-26S, R-31E, NMPM
Eddy County, New Mexico

- I. The purpose of the application is to request approval to utilize the proposed Red Bellied Cooter 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 26 active or proposed wells within the AOR penetrate, or will penetrate the proposed injection interval. In addition, none of the three PA'd wells within the AOR 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 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 3,460 psi. If a surface injection pressure above 3,460 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 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 one mile of the Red Bellied Cooter SWD No. 1. 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: 17,302'
Thickness: 1,552'
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 Paduca 6 SWD No. 1Y, located in Unit E of Section 6, Township 26 South, Range 32 East, NMPM. This well is located approximately 2.0 miles Northeast of the proposed Red Bellied Cooter SWD No. 1, and was permitted for injection into the Devonian interval by Order No. SWD-1607-A issued on August 17, 2016. Division records also indicate that this well is active, is currently injecting approximately 22,154 BWPD into the Devonian interval, and has cumulatively injected 7,352,992 barrels of water).

(Note: An examination of OCD well records indicate that there are no additional produced water disposal wells located within the nine-section area surrounding and including Section 3, T-26S, R-31E, 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 Red Bellied Cooter SWD No. 1 (See Attached). According to data obtained from the OCD District Office, fresh water

may be present in this area in surface alluvium and interbedded sands at depths ranging from surface to 800 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. There are no fresh water wells located within a one-mile radius of the Red Bellied Cooter SWD No. 1. (See attached report from the OSE).
- 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 November 1, 2018.

November 8, 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

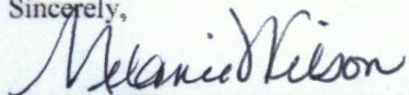
Re: Form C-108
Red Bellied Cooter SWD Well No. 1
API No. (Not Yet Assigned)
375' FSL & 381' FEL, Unit P
Section 3, T-26S, R-31E, NMPM,
Eddy County, New Mexico

Dear Ms. Riley,

Enclosed please find a Division Form C-108 (Application for Authorization to Inject) for the Mesquite SWD, Inc. Red Bellied Cooter 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 17,300 feet to 18,500 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-Artesia

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: 11/8/18
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.

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) 478-3460 Fax: (505) 478-3462

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RED BELLIED
COOTER

LEGEND

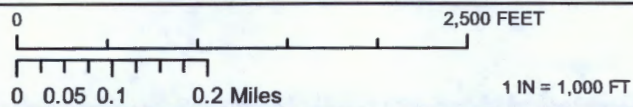
- WELL
- PRIVATE
- STATE OF NM
- US BLM

RED BELLIED COOTER

SEC: 3 TWP: 26 S. RGE: 31 E. ELEV: 3248.6'

STATE: NEW MEXICO COUNTY: EDDY 375' FSL & 381' FEL

W.O. # 18-985 LEASE: RED BELLIED COOTER SURVEY: N.M.P.M



LOCATION OVERVIEW LAND STATUS 9/7/2018 S.P.

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

INJECTION WELL DATA SHEET

OPERATOR: Mesquite SWD, Inc.

WELL NAME & NUMBER: Red Bellied Cooter SWD Well No. 1

WELL LOCATION: 375' FSL & 381' FEL P 3 26S 31E
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 BTC
Cemented with: 1700 sx. or ft³
Top of Cement: Surface Method Determined: Circulate

1st Intermediate Casing

Hole Size: 17.5" Casing Size: 13.375" 68# P-110
Cemented with: 2500 sx. or ft³
Top of Cement: Surface Method Determined: Circulate

2nd Intermediate Casing

Hole Size: 12.25" Casing Size: 9.625" 53.5# P-110 BTC
Cemented with: 2,800 sx. Staged; DV Tools @ 8,200' & 4,500'
Top of Cement: Surface Method Determined: Circulate

Liner

Hole Size: 8.5" Casing Size: 7.625" 39# P-110 UFJ Liner
Cemented with: 400 sx. or ft³
Top of Cement: 11,400' (Liner Top) Method Determined: Circulate

Total Depth: Approximately 18,500'

Injection Interval

Approximately 17,300' To 18,500'
(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 17,250'

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, existing pools in this area include the Big Sinks-Delaware Pool (Approximately 4,172'), Southeast Big Sinks-Delaware Pool (Approximately 4,172'), West Jennings-Bone Spring Pool (8,000'-10,000') and Purple Sage-Wolfcamp Gas Pool (11,000'-12,000). Also, according to OCD well records, there no wells that produce from the Devonian formation within Townships 25 & 26 South, Range 31 East.

(Note: See attached OCD Pool Maps)

Mesquite SWD, Inc.
Red Bellied Cooter SWD No. 1: Proposed Wellbore Schematic
375' FSL & 381' FEL (Unit P)
Section 3, T-26S, R-31E, NMPM, Eddy County, NM

Surface Casing:

Hole Size: 26"
 Size: 20" 94# J-55
 Set @: 950'
 Sx. Cmt: 1700
 TOC: Surface

1st Intermediate Casing:

Hole Size: 17.5"
 Size: 13.375" 68# P-110
 Set @: 4,300'
 Sx. Cmt: 2,500
 TOC: Surface

2nd Intermediate Casing

Hole Size: 12.25"
 Size: 9.625 53.5# P-110
 Set @: 11,900'
 Stage Cemented: 2800 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 @: 11,400'-17,300'
 Sx. Cmt: 400
 TOC: 11,400' (Liner Top)

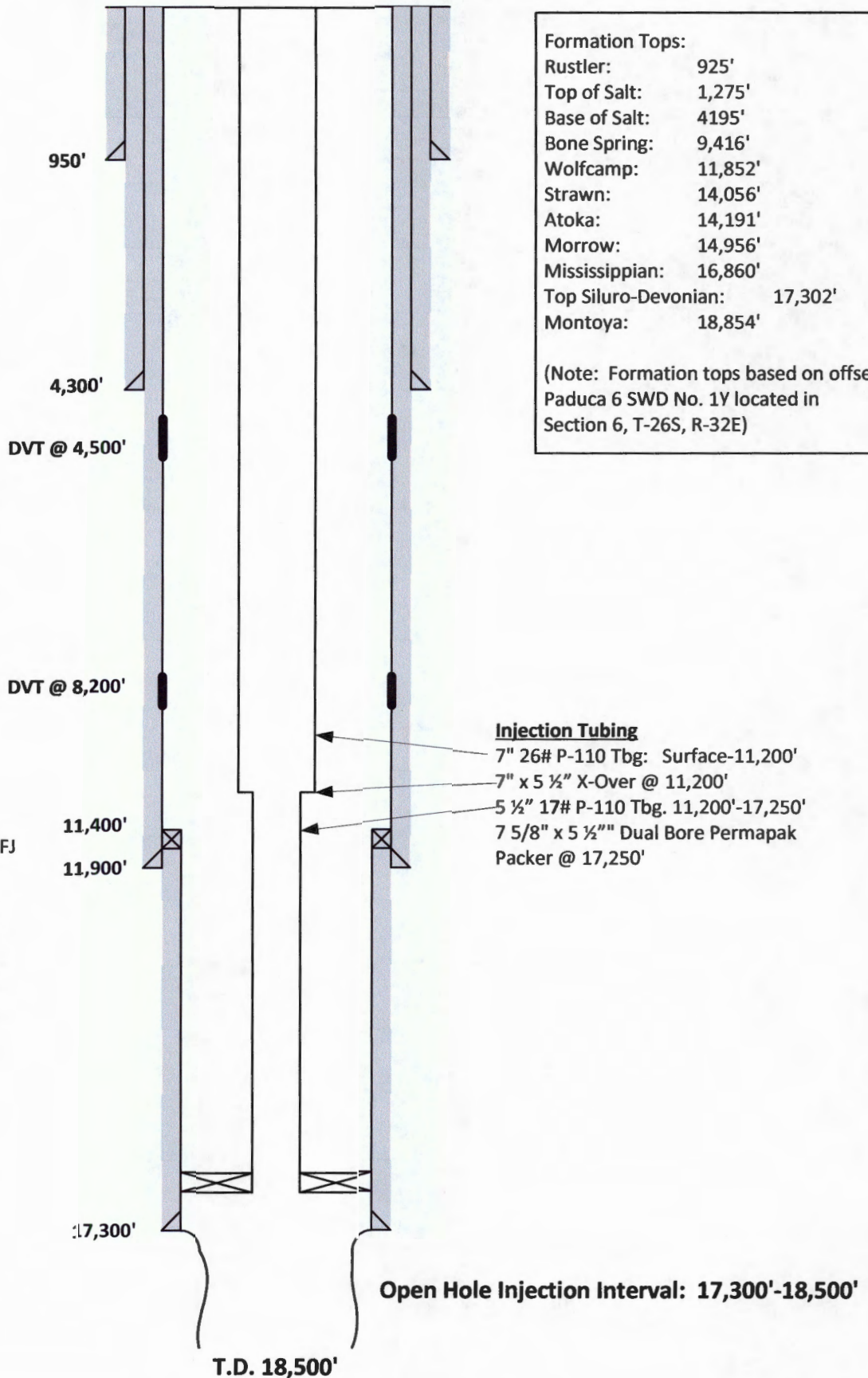
Open Hole Injection Interval

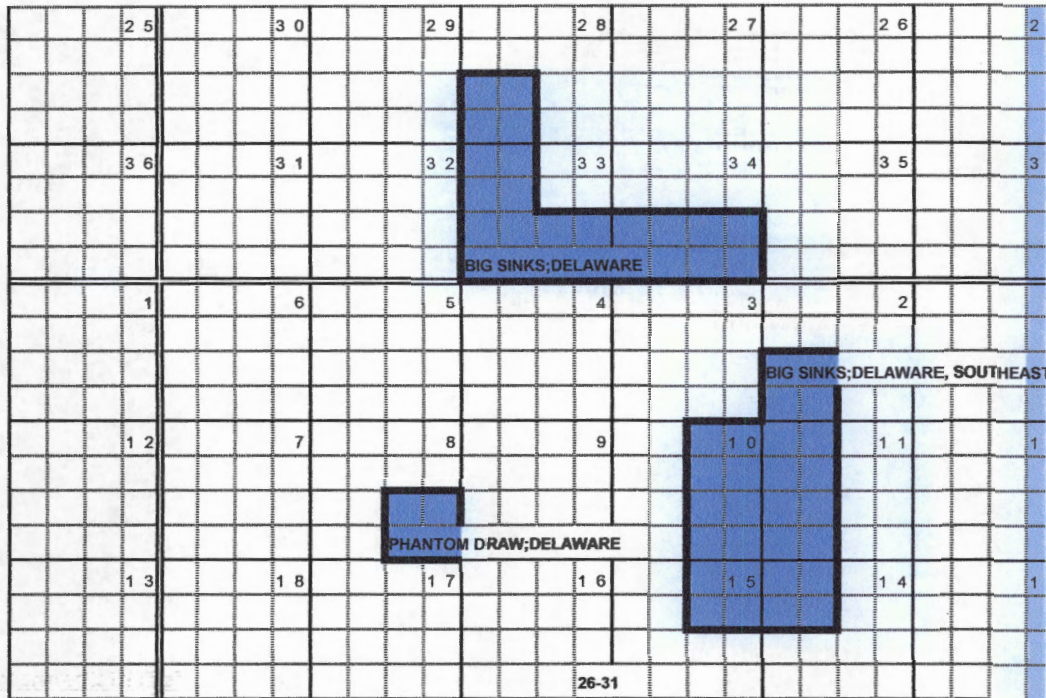
Hole Size: 6 1/2"
 Interval: 17,300'-18,500'

Formation Tops:

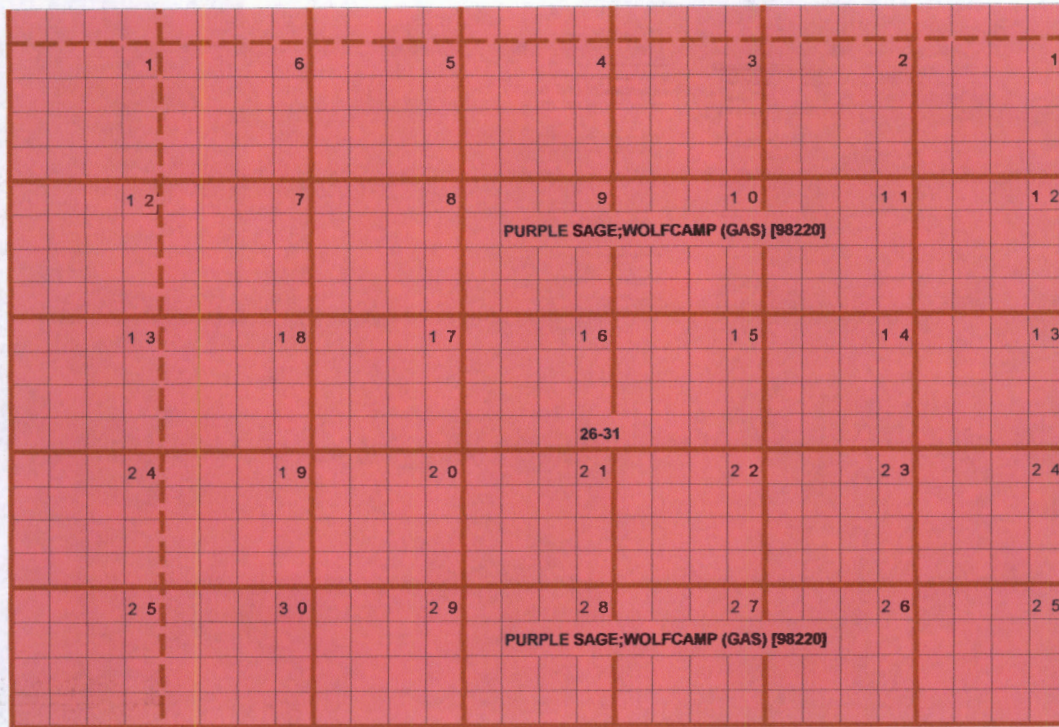
Rustler:	925'
Top of Salt:	1,275'
Base of Salt:	4195'
Bone Spring:	9,416'
Wolfcamp:	11,852'
Strawn:	14,056'
Atoka:	14,191'
Morrow:	14,956'
Mississippian:	16,860'
Top Siluro-Devonian:	17,302'
Montoya:	18,854'

(Note: Formation tops based on offset
 Paduca 6 SWD No. 1Y located in
 Section 6, T-26S, R-32E)

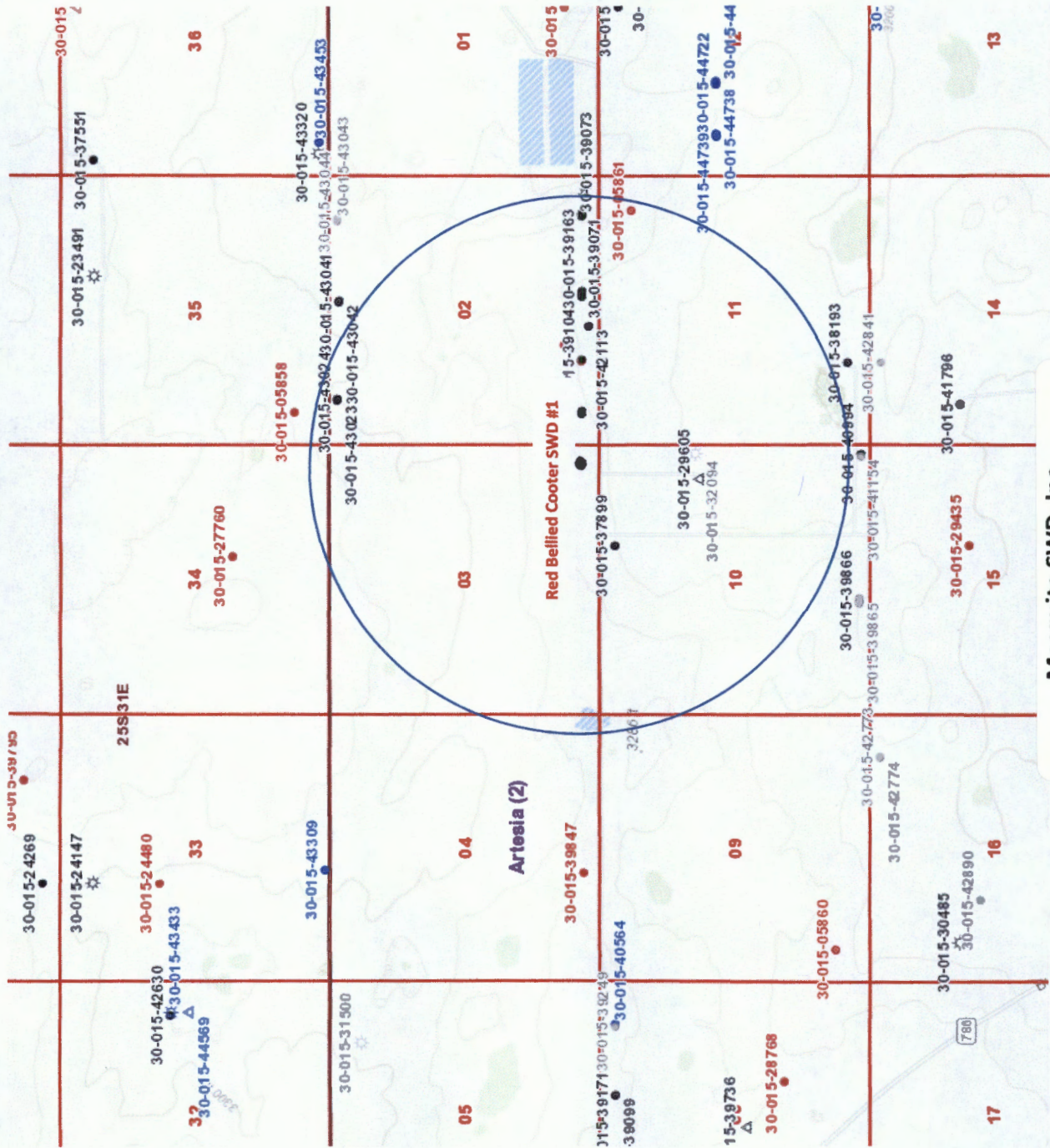




Mesquite SWD, Inc.
Form C-108: Red Bellied Cooter #1
Section 3, T-26S, R-31E
OCD-Designated Delaware Pools



Mesquite SWD, Inc.
Form C-108: Red Bellied Cooter #1
Section 3, T-26S, R-31E
OCD-Designated Wolfcamp Pool



Mesquite SWD, Inc.
 Form C-108: Red Bellied Cooter #1
 Section 3, T-26S, R-31E
 1-Mile AOR Map

MESQUITE SWD, INC.
RED BELLIED COOTER 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	PTG. N/S	N/S	FTG. E/W	E/W	UNIT	SEC.	TSHP.	RNG.	TVD	MD	COMPLETION
30-015-39104	Devon Energy Prod. Co. LP	Snapping 2 State	1Y	Oil	Active	330'	S	1710'	W	N	2	26S	31E	8,574'	13,007'	Bone Spring
					BHL	343'	N	1650'	W	C	2	26S	31E			
30-015-39035	Devon Energy Prod. Co. LP	Snapping 2 State	2H	Oil	Active	330'	S	680'	W	M	2	26S	31E	8,966'	13,600'	Bone Spring
					BHL	330'	N	990'	W	D	2	26S	31E			
30-015-39036	Devon Energy Prod. Co. LP	Snapping 2 State	3H	Oil	Active	330'	S	630'	W	M	2	26S	31E	8,560'	13,136'	Bone Spring
					BHL	355'	N	390'	W	D	2	26S	31E			
30-015-39071	Devon Energy Prod. Co. LP	Snapping 2 State	4H	Oil	Active	330'	S	735'	E	P	2	26S	31E	9,054'	13,540'	Bone Spring
					BHL	342'	N	413'	E	A	2	26S	31E			
30-015-39073	Devon Energy Prod. Co. LP	Snapping 2 State	5H	Oil	Active	330'	S	785'	E	P	2	26S	31E	8,607'	13,122'	Bone Spring
					BHL	346'	N	1037'	E	A	2	26S	31E			
30-015-39162	Devon Energy Prod. Co. LP	Snapping 2 State	6H	Oil	Active	330'	S	2260'	E	O	2	26S	31E	9,010'	13,581'	Bone Spring
					BHL	350'	N	1712'	E	B	2	26S	31E			
30-015-39163	Devon Energy Prod. Co. LP	Snapping 2 State	7H	Oil	Active	330'	S	2310'	E	O	2	26S	31E	8,550'	13,102'	Bone Spring
					BHL	353'	S	2306'	E	B	2	26S	31E			
30-015-39165	Devon Energy Prod. Co. LP	Snapping 2 State	8H	Oil	Active	330'	S	2360'	E	O	2	26S	31E	8,981'	13,654'	Bone Spring
					BHL	400'	N	2337'	W	C	2	26S	31E			
30-015-43023	Devon Energy Prod. Co. LP	Snapping 2 State	9H	Oil	Active	200'	N	880'	W	D	2	26S	31E	10,214'	14,825'	Bone Spring
					BHL	348'	S	410'	W	M	2	26S	31E			
30-015-43024	Devon Energy Prod. Co. LP	Snapping 2 State	10H	Oil	Active	200'	N	930'	W	D	2	26S	31E	10,204'	14,766'	Bone Spring
					BHL	350'	S	410'	W	M	2	26S	31E			
30-015-43041	Devon Energy Prod. Co. LP	Snapping 2 State	11H	Oil	Active	220'	N	2490'	E	B	2	26S	31E	10,242'	14,811'	Bone Spring
					BHL	340'	S	2183'	W	N	2	26S	31E			
30-015-43042	Devon Energy Prod. Co. LP	Snapping 2 State	12H	Oil	Active	229'	N	2440'	E	B	2	26S	31E	10,239'	14,790'	Bone Spring
					BHL	342'	S	2215'	E	O	2	26S	31E			
30-015-42113	Devon Energy Prod. Co. LP	Snapping 2 State	13H	Oil	Active	200'	S	2375'	W	N	2	26S	31E	11,430'	15,590'	Bone Spring
					BHL	327'	N	1967'	W	C	2	26S	31E			
30-015-42688	Devon Energy Prod. Co. LP	Snapping 2 State	14H	Gas	Active	250'	S	330'	E	P	2	26S	31E	12,022'	16,548'	Wolfcamp
					BHL	325'	N	670'	E	A	2	26S	31E			

MESQUITE SWD, INC.
RED BELLIED COOTER 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. E/W	UNIT	SEC.	TSHP.	RNG.	TVD	MD	COMPLETION
30-015-29605	Devon Energy Prod. Co. LP	Ross Ranch 10 Federal	1	SWD	Active	1980' N	660' E	H	10	26S	31E	8,500'		Cherry Canyon
30-015-37899	Devon Energy Prod. Co. LP	Snapping 10 Federal	1H	Oil	Active	330' N	1980' E	B	10	26S	31E	8,590'	12,869'	Bone Spring
					BHL	330' S	1979' E	O	10	26S	31E			
30-015-39866	Devon Energy Prod. Co. LP	Snapping 10 Federal	3H	Oil	Active	200' S	2265' W	N	10	26S	31E	10,042'	14,782'	Bone Spring
					BHL	280' N	2402' W	C	10	26S	31E			
30-015-40994	Devon Energy Prod. Co. LP	Snapping 10 Federal	5H	Oil	Active	175' S	160' E	P	10	26S	31E	10,093'	14,705'	Bone Spring
					BHL	349' N	445' E	A	10	26S	31E			
30-015-38193	Devon Energy Prod. Co. LP	Snapping 11 Federal	1H	Oil	Active	430' S	1650' W	N	11	26S	31E	8,529'	12,985'	Bone Spring
					BHL	330' N	1655' W	C	11	26S	31E			
30-015-43750	Mewbourne Oil Company	Armstrong 26 35 WOLM Federal Com	1H	Oil	Drilling	2500' S	380' W	L	26	25S	31E	11,997'	19,265'	Wolfcamp
					BHL	330' S	990' W	M	35	26S	31E			
30-015-43798	Mewbourne Oil Company	Armstrong 26 35 WILM Federal Com	2H	Oil	Drilling	2500' S	330' W	M	35	26S	31E	12,113'	19,630'	Wolfcamp
					BHL	330' S	330' W					Proposed Depths		
30-015-44424	Devon Energy Prod. Co. LP	Lusitano 27 34 Federal Com	235H	Oil	NYD	435' N	295' E	A	27	25S	31E	10,385'	20,263'	Bone Spring
					BHL	330' S	331' E	P	34	26S	31E	Proposed Depths		
30-015-44425	Devon Energy Prod. Co. LP	Lusitano 27 34 Federal Com	336H	Oil	Drilling	235' N	325' E	A	27	25S	31E	11,640'	21,628'	Bone Spring
					BHL	331' S	330' E	P	34	26S	31E	Proposed Depths		
30-015-44426	Devon Energy Prod. Co. LP	Lusitano 27 34 Federal Com	528H	Oil	Drilling	435' N	355' E	A	27	25S	31E	8,800'	18,620'	Bone Spring
					BHL	330' S	330' E	P	34	26S	31E	Proposed Depths		
30-015-44427	Devon Energy Prod. Co. LP	Lusitano 27 34 Federal Com	536H	Oil	Drilling	435' N	325' E	A	27	25S	31E	8,965'	18,705'	Bone Spring
					BHL	330' S	770' E	P	34	26S	31E	Proposed Depths		
30-015-44428	Devon Energy Prod. Co. LP	Lusitano 27 34 Federal Com	626H	Oil	Active	235' N	385' E	A	27	25S	31E	11,737'	21,945'	Wolfcamp
					BHL	215' S	1056' E	P	34	26S	31E			
30-015-24277	Devon Energy Prod. Co. LP	Almost Texas Unit	1	Oil	PA	660' S	1980' W	N	2	26S	31E	15,900'	PA'd 8/17	Delaware-WC
30-015-38982	Devon Energy Prod. Co. LP	Snapping 2 State	1	Oil	PA	330' S	1660' W	N	2	26S	31E	150'	PA'd 6/11	N/A
					BHL	330' N	1660' W	C	2	26S	31E			
30-015-05861	The IbeX Company	Bauerdorf	1	Dry	PA	660' N	660' E	A	11	26S	31E	4,282'	PA'd 5/55	Bell Canyon

Well Name	API No.	Section	Township	Range	Unit	Field	Formation	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
SNAPPING 2 STATE #013H	3001542113	2	26S	31E	N		BONE SPRING 3RD SAND	6.5	94965.6	0.08933	31357.7	3878.6	31.7	453.6	0.83	57485.3	244		200
SNAPPING 2 STATE #013H	3001542113	2	26S	31E	N		BONE SPRING 3RD SAND	7	94512.2	0.08933	30031.5	3402.8	15.9	458.9		58782.2		355.2	200
SNAPPING 2 STATE #013H	3001542113	2	26S	31E	N		BONE SPRING 3RD SAND	7.2	94863.9	0.08994	30224.8	3724	14.8	444		59015.2		365	200
SNAPPING 2 STATE #013H	3001542688	2	26S	31E	P		WOLF CAMP	7.3	81366.4	0.1004	28319.4	2687.4	26.1	356.7		50281.2		399.7	100
SNAPPING 2 STATE #013H	3001542113	2	26S	31E	N		BONE SPRING 3RD SAND	6.8	91289.1	0.08914	28721.3	3440.7	16.3	437.4		56957.4		327.9	100
ROSS RANCH 10 FEDERAL #001H	3001529605	10	26S	31E	H			6.3	111430.3	0.07008	38922.4	3447.3	76.8	487.9	1.05	66173.2	366	0	300
ROSS RANCH 10 FEDERAL #001H	3001529605	10	26S	31E	H			7	54115.9		46100	5324	345.6	719.3	3.73	0	73.2	0	570
SNAPPING 10 FEDERAL #00SH	3001540994	10	26S	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 #00SH	3001540994	10	26S	31E	P		BONE SPRING 2ND SAND	6.6	138376		68948.2	7560.4	111.2	1522.8	2.19	118195	122	618	20
SNAPPING 11 FEDERAL #001H	3001537899	11	26S	31E	B		AVALON UPPER	6.5	199638.8		68948.2	7560.4	111.2	1522.8	2.19	118195	122	0	500
SNAPPING 11 FEDERAL #001H	3001538193	11	26S	31E	N		AVALON UPPER	6.1	225185.8		77010.7	10437.8	636.1	1649.2	6.75	134073	366	0	300
SNAPPING 2 STATE #00SH	3001539036	2	26S	31E	M		AVALON UPPER	6.1	23019		76001.7	10437.8	208.9	1922.4	6.75	134073	366	632	1100
SNAPPING 2 STATE #00SH	3001539162	2	26S	31E	O		AVALON UPPER	6.5	179788.3		71575.7	617.4	21.8	109.6	0	101374	3660	0	500
SNAPPING 2 STATE #00SH	3001539162	2	26S	31E	O		AVALON UPPER	6.5	179938		71575.7	617.4	21.8	109.6	0	101374	3660	844	500
SNAPPING 10 FEDERAL NCT 1 #003H	3001539866	10	26S	31E	N		BONE SPRING 2ND SAND	6.5	132439.2		48495.7	6731.3	29.1	801.4	1.06	94035	244	0	100
E D WHITE FEDERAL NCT 1 #003H	3001505886	26	26S	31E	N		DELAWARE		212112							132100	195	425	
SNAPPING 10 FEDERAL #001H	3001537899	10	26S	31E	B		AVALON UPPER	7.1	209352.4		70089.5	7337	203	1357	2.5	127230	146.4	600	600
SNAPPING 11 FEDERAL #001H	3001538193	11	26S	31E	N		AVALON UPPER	7	196576.7		68797.3	5039	12	1066	0.9	118943	122	872	380
SNAPPING 11 FEDERAL #001H	3001538193	11	26S	31E	N		AVALON UPPER	7	203076.9		72261.4	4407	112	904	1.5	122172	1098	658	80
SNAPPING 2 STATE #001Y	3001539104	2	26S	31E	N		AVALON UPPER	7	162560.1		57137	3886	42	776	0.6	97161	1403	756	70

Mesquite SWD, Inc.
Form C-108: Red Bellied Cooter SWD No. 1
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: Red Bellied Cooter SWD No. 1
Injection Formation Water Analysis

New Mexico Office of the State Engineer

Water Column/Average Depth to Water

PLSS Search:

Section(s): 2, 3, 4, 9, 10, 11 Township: 26S Range: 31E

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.

10/24/18 7:33 AM

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters)
No records found.

WATER COLUMN / AVERAGE
DEPTH TO WATER

PLSS Search:

Section(s): 34, 35 Township: 25S Range: 31E

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.

10/24/18 7:34 AM

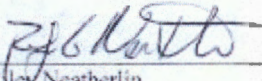
(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters)
No records found.

WATER COLUMN / AVERAGE
DEPTH TO WATER

Mesquite SWD, Inc.
Form C-108: Red Bellied Cooter #1
Section 3, T-26S, R-31E
OSE Fresh Water Well Data

Form C-108
Affirmative Statement
Mesquite SWD, Inc.
Red Bellied Cooter SWD No. 1
Section 3, T-26 South, R-31 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.

11/7/18

Date



31 East

— 1-Mile Notice Area

C-108 Application
Mesquite SWD, Inc.
Red Bellied Cooter SWD No.
1-Mile Notice Area

November 8, 2018

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

TO: See Attached Notice List

Re: Mesquite SWD, Inc.
Form C-108 (Application for Authorization to Inject)
Red Bellied Cooter SWD Well No. 1
API No. (Not Yet Assigned)
375' FSL & 381' FEL, Unit P, Section 3, T-26S, R-31E, NMPM,
Eddy County, New Mexico

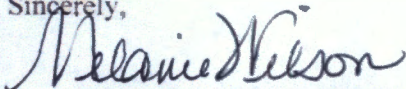
Ladies & Gentlemen:

Enclosed please find a copy of Oil Conservation Division Form C-108 (Application for Authorization to Inject) for the Mesquite SWD, Inc. Red Bellied Cooter 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 Red Bellied Cooter 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 17,300 feet to 18,500 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

**Form C-108 Application
Mesquite SWD, Inc.
Red Bellied Cooter SWD No. 1
Section 3, T-26 South, R-31 East, NMPM
Notice List**

Tract 1:

Section 3-26S-31E: E/2

**ConocoPhillips Company ✓
P.O. Box 2197
Office EC3-10-W285
Houston, Texas 77252-2197**

Tract 2:

Section 4-26S-31E: E/2 SE/4

**Chevron USA, Inc. ✓
6301 Deauville Blvd.
Midland, Texas 79706**

(Collectively "Keystone") ✓ ✓

**LMBI O & G NM, LLC
CTV O & G NM, LLC
SRBI O & G NM, LLC
Thru Line O & G, NM LLC
Keystone O & G, NM LLC
201 Main Street, Suite 2700
Fort Worth, Texas 76102**

Tract 3:

Section 9-26S-31E: E/2 NE/4

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

Tract 4:

Section 34-25S-31E: S/2 SE/4

**Devon Energy Production Co., LP ✓
20 North Broadway
Oklahoma City, OK 73102**

Tract 5:

Section 35-25S-31E: S/2 SW/4

**Mewbourne Oil Company ✓
P.O. Box 5270
Hobbs, New Mexico 88241**

Form C-108 Application
Mesquite SWD, Inc.
Red Bellied Cooter SWD No. 1
Section 3, T-26 South, R-31 East, NMPM
Notice List (Page 2)

Tract 6:

Section 3-26S-31: E/2 W/2, W/2 SW/4

Devon Energy Production Co., LP ✓

**Section 10-26S-31E: E/2, E/2 W/2; NW/4
SW/4, W/2 NW/4**

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

Section 11-26S-31E: W/2, NE/4, NW/4 SE/4

Tract 7:

Section 2-26S-31E: NW/4, W/2 NE/4, SE/4 NE/4

Devon Energy Production Co., LP ✓

**V-F Petroleum, Inc. ✓
P.O. Box 1889
Midland, Texas 79702**

Tract 8:

Section 2-26S-31E: S/2

Devon Energy Production Co., LP ✓

Tract 9:

Section 3-26S-31E: W/2 NW/4

**Occidental Permian, Ltd. ✓
P.O. Box 4294
Houston, Texas 77210-4294**

Additional Notice (Surface Owner):

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

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11/08/2018

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

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

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Occidental Permian, Ltd.
 P.O. Box 4294
 Houston, Texas 77210-4294

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

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V-F Petroleum, Inc.
 P.O. Box 1889
 Midland, Texas 79702

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11/08/2018

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

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Mewbourne Oil Company
 P.O. Box 5270
 Hobbs, New Mexico 88241

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Devon Energy Production Co., LP
 20 North Broadway
 Oklahoma City, OK 73102

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

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Keystone O & G, NM LLC
201 Main Street, Suite 2700
Fort Worth, Texas 76102

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Total \$8.04

Chevron USA, Inc.
6301 Deauville Blvd.
Midland, Texas 79706

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Total \$8.04

ConocoPhillips Company
P.O. Box 2197
Office EC3-10-W285
Houston, Texas 77252-2197

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

Affidavit of Publication

No. 24893

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 November 1, 2018

Second Publication _____

Third Publication _____

Fourth Publication _____

Fifth Publication _____

Sixth Publication _____

Seventh Publication _____

Subscribed and sworn before me this

1st day of November 2018



OFFICIAL SEAL
Latisha Romine
NOTARY PUBLIC-STATE OF NEW MEXICO

My commission expires: 5/12/2019

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 Red Bellied Cooter SWD No. 1 (API No. N/A) to be drilled 375 feet from the South line and 381 feet from the East line (Unit P) of Section 3, Township 26 South, Range 31 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 17,300 feet to 18,500 feet.

Produced water from the Bone Spring, Wolfcamp and other formations originating from wells in this area will be injected into the Red Bellied Cooter 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 3,460 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.

Published in the Artesia Daily Press, Artesia, N.M., Nov. 1, 2018 Legal No. 24893.