

ABOVE THIS LINE FOR DIVISION USE ONLY

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



ADMINISTRATIVE APPLICATION CHECKLIST

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

Application Acronyms:

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

- [1] **TYPE OF APPLICATION** - Check Those Which Apply for [A]
- [A] Location - Spacing Unit - Simultaneous Dedication
 NSL NSP SD
- Check One Only for [B] or [C]
- [B] Commingling - Storage - Measurement
 DHC CTB PLC PC OLS OLM
- [C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery
 WFX PMX SWD IPI EOR PPR
- [D] Other: Specify _____
- [2] **NOTIFICATION REQUIRED TO:** - Check Those Which Apply, or Does Not Apply
- [A] Working, Royalty or Overriding Royalty Interest Owners
- [B] Offset Operators, Leaseholders or Surface Owner
- [C] Application is One Which Requires Published Legal Notice
- [D] Notification and/or Concurrent Approval by BLM or SLO
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office
- [E] For all of the above, Proof of Notification or Publication is Attached, and/or,
- [F] Waivers are Attached

- SWD 1638
 - Mesquite SWD, Inc
 161968

WCH
 - UL SWD #1
 30-015 Pending
 Pool

- SWD, Devonian -
 SILURIAN
 # 97869

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

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

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

KAY HAVENUM see Application Agent July 8, 2016
 Print of Type Name Signature Title Date

 e-mail Address

Miss	Row	C-108	C-108 disposal application submittals... CHECKLIST to ensure all items are supplied or considered.
	1		<u>Operator, Well, and Contact info:</u> RECEIVED UCD
	2	II	Name of person submitting the application: Kay Havenor Other Contact? 7011 JUL -8 P 2:30
	3	II	Did you Include a contact Email in the application? Yes and Mailing Address? Yes and Phone? Yes
	4	II	Operator Name: Mesquite SWD, Inc OGRID Num 161968
	5		RULE 5.9 Compliance..... Number of Inactive Wells 1 vs Total Wells Operated 14 Is financial assurance required on any well? No Violation
	6		Is there any hearing order finding this operator out of compliance with Division Rule 19.15.5.9 NMAC? No
	7		Are all Rule 5.9 issues OK to allow the Division to issue Disposal Permits?
	8	III	Well Name: VL SWD #1
	9	III	API Num: 30-015-not assigned Spud Date: new drill
	10		Have you included API numbers on all wellbore diagrams and well list(s) in this application? Yes
	11	III	Proposed well...Footages 2142' FSL & 249' FEL Unit I Sec 14 Tsp 24S Rge 28E County Eddy
	12		General Location (i.e. Y miles NW of Z): 1-mile SE of Malaga, NM,
	13		Current Well Status: To be new drill
	14	I	General Summary of Planned Work to Well: New drill through Siluro-Devonian (open-hole), complete for SWD.
	15		<u>INTERVAL TOP and BOTTOM:</u>
	16	IIIB.(2)	Proposed disposal Approx 15100'-16300' Formation Name Siluro-Devonian (include Member Names for Delaware or Mesaverde)
	17	IIIB.(2)	Proposed disposal Bottom Depth: 16300' Formation Name: Siluro-Devonian
	18	IIIB.(2)	Is the disposal interval OpenHole? Yes or Perfed?
	19	IIIB.(2)	What will be the disposal tubing size OD? 6-1/4" Packer Seat, Feet: approx 15100'
	20	VII	What max surf inj. psi are you proposing? 3020 If differing from 0.2 psi/ft surf. Grad., is supporting data attached such as a Step Rate Test?

Miss	Row	C-108	C-108 disposal application submittals... CHECKLIST to ensure all items are supplied or considered.
	21		<u>FRESH WATERS:</u>
	22	VIII	Depth to bottom of Fresh Waters: <u>less than 250'</u> Formation Name(s)? <u>Quaternary alluvium</u>
	23	XI	Any Fresh Water Wells Within 1 Mile? <u>Yes</u> If so, did you attach an analysis from these Wells? <u>Shallow water wells will be isolated by 2 cemented casing strings</u>
	24		Are all "Fresh" waters isolated with Casing and Cement? <u>Yes</u> ("Fresh" water is defined as less than 10,000 mg/l of TDS)
	25	XII	Included "Affirmative Statement" concerning any Connection from Disposal Depths to existing Fresh Waters? <u>Yes</u> Item XII
	26		<u>WASTE WATERS:</u>
	27	XIV	Will this be a Lease Only disposal well? <u>No</u> or only used for the Operator's own waste needs? or Commercial Disposal? <u>Yes</u>
	28	VII	Which formations will supply the waste waters to be disposed into this well... List most common: <u>Delaware/Bone Springs</u>
	29	VII	Are Waste waters compatible with proposed disposal interval waters? <u>Yes</u> Did you include waste water analysis? <u>No</u>
	30		<u>AT PROPOSED WELL....INSITU WATERS AND HYDROCARBON POTENTIAL:</u>
	31		Is a discussion included of the potential for future OIL/GAS recovery from the proposed disposal interval? <u>Yes</u>
	32		If your proposed well for disposal is a depleted producer (within the proposed interval); do you know what was the cumulative oil/gas/water? and did you include a Rate-Time plot of this depleted interval?
	33	VII	Insitu water analysis Included? <u>No</u> Is the salinity within the disposal interval more than 10,000 mg/l of TDS? or how will you determine this insitu water salinity? <u>Regional knowledge Siluro-Devonian.</u>
	34	VIII	Does the application include a list of Formation tops down to and including the bottom of the target formation? <u>Yes, on Page 11</u>
	35		What is the top main salt <u>700' +/-</u> and bottom <u>2700' +/-</u> of the Salado Salt (...If this well is in the Southeast and the Salt is present)
	36	X	Are all existing Logs (including any CBL over the disposal interval) are on the OCD Web Site? If logs not there, please send <u>On completion</u>
	37	IIIA.	Are the wellbore diagrams for this well included in the Application.....Before Conversion? and After Conversion? <u>Yes. New drill.</u>
	38		Are the top and bottom footage of the proposed disposal interval marked on the "after" diagram? <u>Yes</u>
	39		<u>NOTICE:</u>

Miss	Row	C-108	C-108 disposal application submittals... CHECKLIST to ensure all items are supplied or considered.
	40	XIV	Date of the Newspaper Notice in the County: Eddy Co. Artesia Daily Press 06/28/2016
	41	V	Within 1/2 mile, did you clearly identify (either on a map or by legal description) all separately owned tracts of lands within the disposal interval? Yes
	42	XIII	Did you identify the owner(s) of each of these separately owned tracts? Yes, in Item XIII Were they all formally noticed? Yes
	43	XIII	If reentering a P&Aed well, are there depth divisions of ownership within that wellIf so, have you also noticed all the shallower interests of the intent to use the well for disposal?
	44	XIII	Is the proposed well within the R-111-P defined Potash Area or the BLM Secretaries Potash Area? No ... If so, did you send notice to the nearest Potash lessee?
	45	XIV	Who owns the surface lands at the disposal well site (BLM, SLO, or who)? VL Water Company Was that party formally noticed? Yes
	46		<u>Area of Review:</u>
	47	V	Did you include a map identifying all wells within 2 miles? Yes
	48	VI	Did you include a list of all AOR wells? Yes Is the list available to be emailed (if requested) in spreadsheet format? Yes - Included in Item VI list
	50	VI	Did you include wellbore diagrams for all P&Aed wells that exist within the 1/2 mile AOR that penetrate the disposal interval? None present
	51	VI	How many wells exist within the 1/2 mile AOR that penetrate the disposal interval? 0 How many of these are Plugged/Dry and Abandoned?
	52	VI	Are details included on cement coverage of the proposed disposal interval for all wells penetrating the disposal interval within 1/2 mile of the proposed well? N/A
	53	VI	Do all reported cement tops describe how that "top" was determined? N/A If you calculated any tops, what fillup efficiency factor did you use?
	54	VI	Did you identify the presence and depth of all Cement Stage Tools (DV) in the subject well and in the AOR wells? Yes
	55	VIII	For the target formation, is there significant formation structural depth changes within the 1/2 mile AOR? No
	56	VIII	Is there any Karst or Massive Limestone in this target formation? No ...or in the formations directly above or below? No
	57		<u>Administrative or Hearing:</u>
	58	VI	How many wells within the 1/2 mile AOR currently are producing (or still have open perforations) within the disposal interval? 0 is it "gas" or "oil"?

Miss	Row	C-108	C-108 disposal application submittals... CHECKLIST to ensure all items are supplied or considered.
	59		... NOTE: If the proposed disposal interval is a "Gas" interval or if any AOR wells are producing or have open perforations within this interval then this application may not be properly classified as a "disposal". These types of applications must be processed at an examiner hearing.
	60		Any other Issues..? No

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 1478 Carlsbad, NM 88220 _____
CONTACT PARTY: _____ Kay Havenor _____ PHONE: _____ 575-626-4518 _____
- 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:
- Proposed average and maximum daily rate and volume of fluids to be injected;
 - Whether the system is open or closed;
 - Proposed average and maximum injection pressure;
 - Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and,
 - 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: _____ Kay Havenor _____ TITLE: _____ Agent _____
SIGNATURE: _____ *Kay C Havenor* _____ DATE: _____ 6/22/2016 _____
E-MAIL ADDRESS: _____ Kay.Havenor@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: _____

III. WELL DATA

A. The following well data must be submitted for each injection well covered by this application. The data must be both in tabular and schematic form and shall include:

- (1) Lease name; Well No.; Location by Section, Township and Range; and footage location within the section.
- (2) Each casing string used with its size, setting depth, sacks of cement used, hole size, top of cement, and how such top was determined.
- (3) A description of the tubing to be used including its size, lining material, and setting depth.
- (4) The name, model, and setting depth of the packer used or a description of any other seal system or assembly used.

Division District Offices have supplies of Well Data Sheets which may be used or which may be used as models for this purpose. Applicants for several identical wells may submit a "typical data sheet" rather than submitting the data for each well.

B. The following must be submitted for each injection well covered by this application. All items must be addressed for the initial well. Responses for additional wells need be shown only when different. Information shown on schematics need not be repeated.

- (1) The name of the injection formation and, if applicable, the field or pool name.
- (2) The injection interval and whether it is perforated or open-hole.
- (3) State if the well was drilled for injection or, if not, the original purpose of the well.
- (4) Give the depths of any other perforated intervals and detail on the sacks of cement or bridge plugs used to seal off such perforations.
- (5) Give the depth to and the name of the next higher and next lower oil or gas zone in the area of the well, if any.

XIV. PROOF OF NOTICE

All applicants must furnish proof that a copy of the application has been furnished, by certified or registered mail, to the owner of the surface of the land on which the well is to be located and to each leasehold operator within one-half mile of the well location.

Where an application is subject to administrative approval, a proof of publication must be submitted. Such proof shall consist of a copy of the legal advertisement which was published in the county in which the well is located. The contents of such advertisement must include:

- (1) The name, address, phone number, and contact party for the applicant;
- (2) The intended purpose of the injection well; with the exact location of single wells or the Section, Township, and Range location of multiple wells;
- (3) The formation name and depth with expected maximum injection rates and pressures; and,
- (4) A notation that interested parties must file objections or requests for hearing with the Oil Conservation Division, 1220 South St. Francis Dr., Santa Fe, New Mexico 87505, within 15 days.

NO ACTION WILL BE TAKEN ON THE APPLICATION UNTIL PROPER PROOF OF NOTICE HAS BEEN SUBMITTED.

NOTICE: Surface owners or offset operators must file any objections or requests for hearing of administrative applications within 15 days from the date this application was mailed to them.

INJECTION WELL DATA SHEET

OPERATOR: Mesquite SWD, Inc. (OGRID 161968)WELL NAME & NUMBER: VL SWD #1 30-025-NA (New Drill)WELL LOCATION: 2142' FSL & 249' FEL I 14 24S 28E
FOOTAGE LOCATION UNIT LETTER SECTION TOWNSHIP RANGEWELLBORE SCHEMATIC

See attached diagram

PROPOSED WELL CONSTRUCTION DATASurface CasingHole Size: 26" Casing Size: 20" 133# J-55 BTCCemented with: 650 sx. *or* _____ ft³Top of Cement: Surface Method Determined: CirculateIntermediate-1 CasingHole Size: _____ 17-1/2" Casing Size: 13-3/8" 68#N-80 LTCCemented with: _____ 1000 sx. *or* _____ ft³Top of Cement: _____ Surface Method Determined: CirculateIntermediate-2 CasingHole Size: _____ 12 1/4" Casing Size: 9 5/8" 53.5# L-80 LTCCemented with: _____ 1800 sx. *or* _____ ft³Top of Cement: _____ Surface Method Determined: Opr

Liner

Hole Size 8½" Casing Size 7⅝" 39/42.8# P-110

Cemented with: 2400 sx. or _____ ft³

Top of Cement Surface Method Determined Opr

Total Depth: Approx 16,300'

Injection Interval

Approximately 15,100' To Approximately 16,300'

(Perforated or Open Hole; indicate which) Open Hole

INJECTION WELL DATA SHEET

Tubing Size: 4-1/2" P110/N-80 Lining Material: Fiberglass coated

Type of Packer: Lok-Set or equivalent

Packer Setting Depth: Approx 15,100' ft

Other Type of Tubing/Casing Seal (if applicable): _____

Additional Data

1. Is this a new well drilled for injection? Yes No

If no, for what purpose was the well originally drilled? _____

2. Name of the Injection Formation: Siluro-Devonian

3. Name of Field or Pool (if applicable): _____

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. New drill

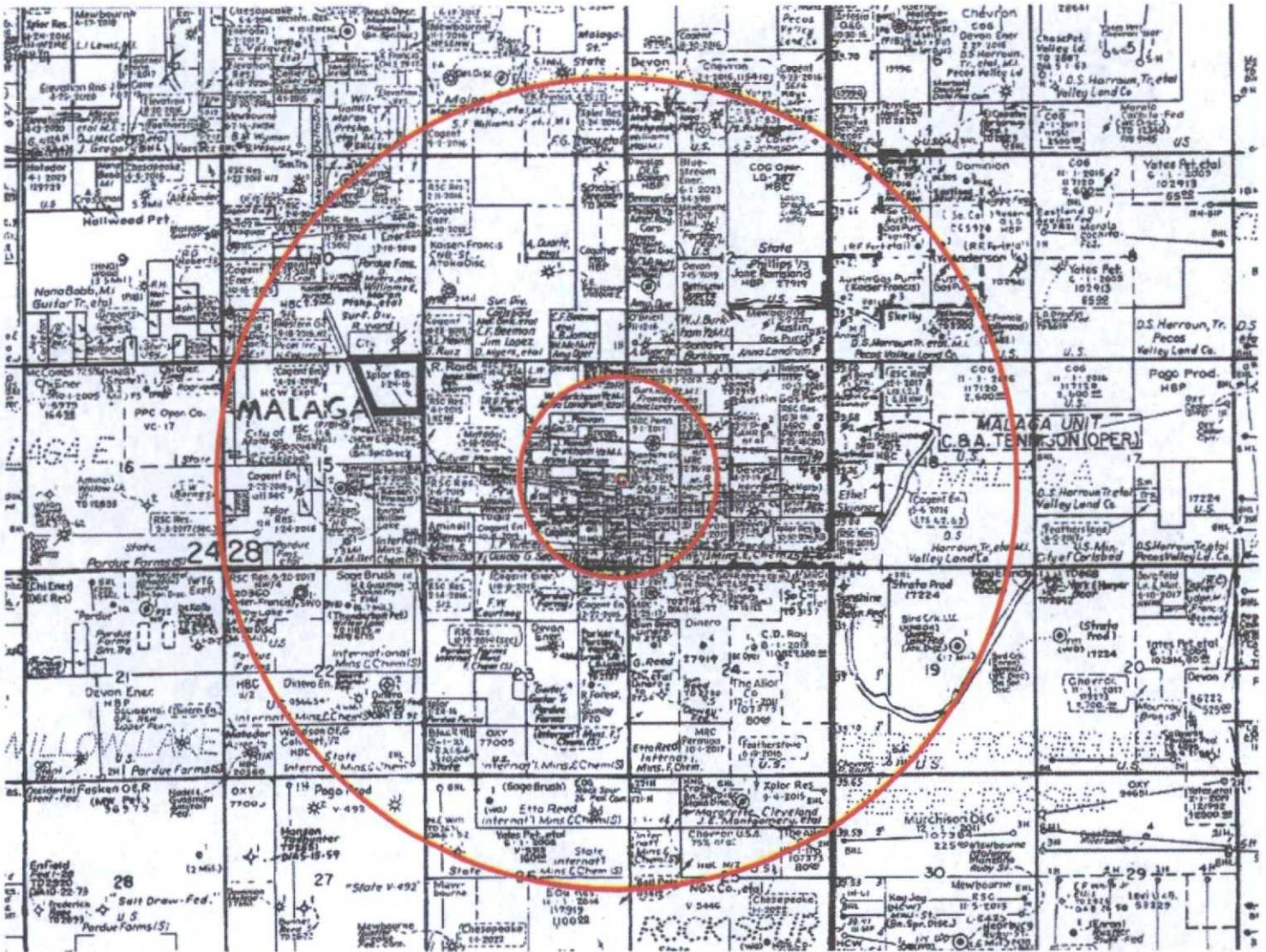
5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area: Delaware & Bone Springs horizons all above approximately 9,800'

Mesquite SWD, Inc.
VL SWD #1
2142' FSL & 249' FEL
Sec. 14, T24S-R28E Eddy County, NM

API 30-025-NA

Item V:

Area of Review
1/2 Mile AOR and 2 Mile Radius

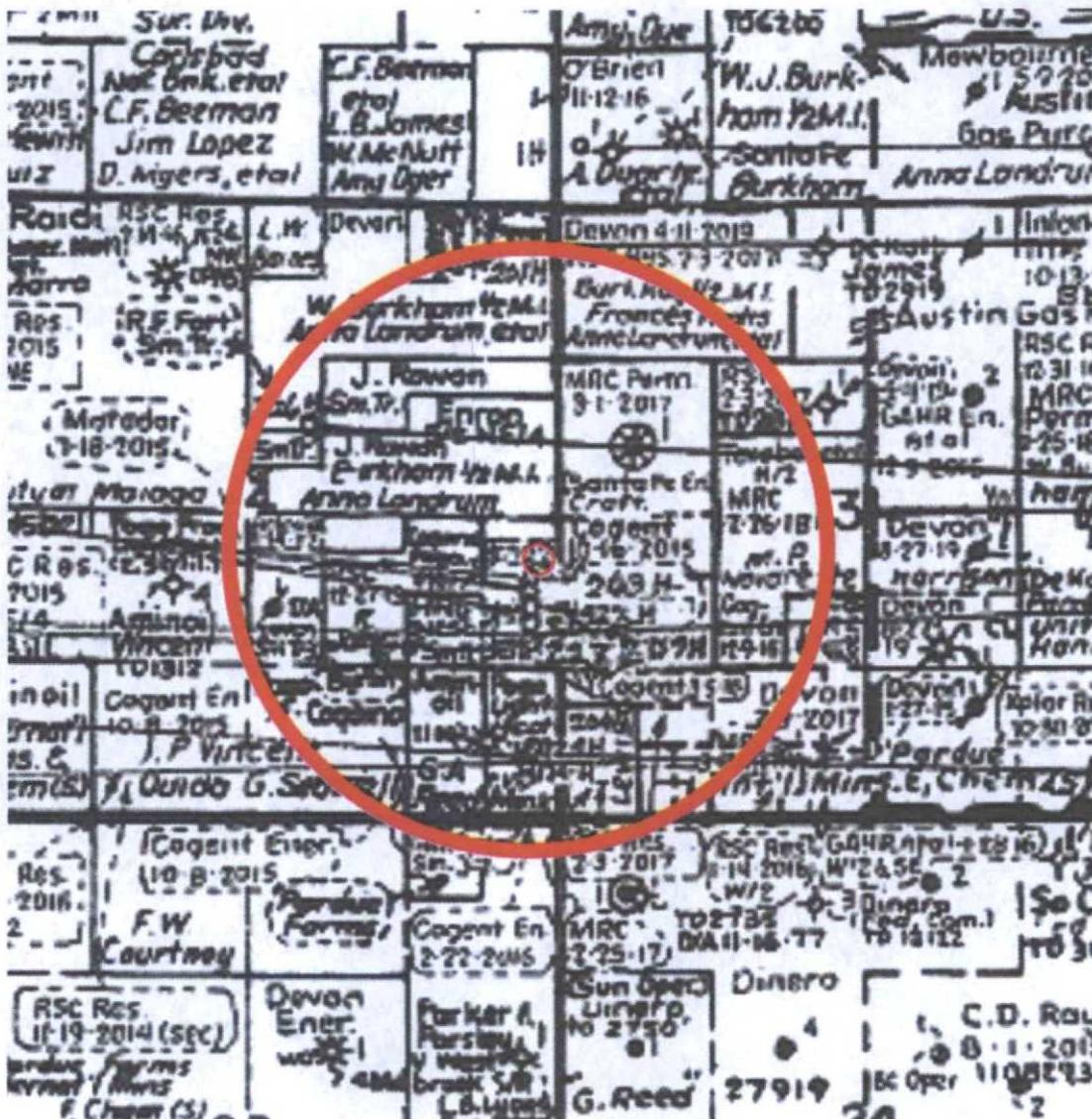


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Item V (a):

AOR Half - Mile



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API 30-025-NA

Item VI: Data on wells in AOR:

API	WELL_NAME	STATUS	SDIV	SEC	TWN	RANGE	FTG_	NS	FTG	EW	OCD	OPERATOR	WELL	LAND	PLUG_DATE	SPUD	ELEVGL	TVD_DEPTH
3001524129	CRAFT 001	Active	E	13	24.0S	28E	1980	N	660	W	E	DEVON ENERGY PROD CO, LP	G	P		19-Apr-97	2972	12983
3001502498	LANDRUM & NOUTT 001	Plugged	F	13	24.0S	28E	1650	N	2310	W	F	DEKALB AGRICULTURAL ASSOC INC	O	P	9-Jul-52	30-Jun-52	2975	2695
3001529290	Ore Ida 14 Federal 010	Active	K	14	24.0S	28	935	N	1705	E	K	DEVON ENERGY PROD CO, LP	S	P		26-Apr-97	3002	8354
3001524452	LIGHTFOOT 001	TA	J	14	24.0S	28E	1780	S	2460	E	J	OXY USA INC	O	P		15-Apr-83	2977	12382
3001525098	LIGHTFOOT 002	Active	P	14	24.0S	28E	660	S	660	E	P	OXY USA INC	G	P		19-Dec-84	2979	12820
3001543037	224H	drilled or	P	14	24.0S	28E	445	S	255	E	P	MATADOR PRODUCTION COMPANY	G	P		13-Aug-15	2978	10589
3001543039	124H	drilled or	P	14	24.0S	28E	415	S	255	E	P	MATADOR PRODUCTION COMPANY	O	P		15-Aug-15	2978	8449
3001543087	TIGER 14 24S 28E RB 204H	drilled or	P	14	24.0S	28E	475	S	229	E	P	MATADOR PRODUCTION COMPANY	G	P		07-May-15	2978	9587

No known wells in the AOR penetrate pre-Permian formations.

Note: TVD in two OXY wells incorrectly include lateral lengths.

Item VII:

1. The maximum injected volume anticipated is 25,000 BWPD. Average anticipated is 18,000 BWPD.
2. Injection will be through a closed system.
3. Maximum injection pressure is expected to be 3,020 psi, or as controlled by depth.
4. Sources will be produced water that is compatible with known waters in the disposal zones.
5. Water sample analyses from the immediate surrounding Siluro-Devonian area are not known, however, the regional information indicates it is non-productive of hydrocarbons.

Item VIII:

Disposal will be into the Siluro-Devonian formations above the Montoya Formation.

There is potable water within a 1-mile radius. Records from the New Mexico Office of the State Engineer on June 20, 2016 show 7 known water wells within a 1-mile radius of the proposed Mesquite SWD disposal well. All the wells shown below, are 200' or less from the surface and those intervals will be cased-off and cemented by surface and intermediate casing. Similar depths to potable water are present in the 2-mile radius.

The surface geology of the greater area, including the 2-mile radius as shown in Item V above, is Quaternary eolian and piedmont deposits of Holocene to middle Pleistocene age and Permian Castile Formation. These are underlain by Permian formations and evaporites. Based upon surface geology and available shallow data the depth of potable water is known to be less than 250'.



New Mexico Office of the State Engineer Wells with Well Log Information

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

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

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

(NAD83 UTM in meters)

(in feet)

POD Number	POD Sub-Code	basin	County	Source	6416	4	Sec	Tws	Rng	X	Y	Distance	Start Date	Finish Date	Log File Date	Depth Well	Depth Water	Driller	License Number
C 02057	C	ED	Shallow	1	4	14	24S	28E	588956	3564774*	131	04/15/1983	04/16/1983	04/22/1983	126	52	MURRELL ABBOTT	46	
C 00738		ED	Shallow	3	1	13	24S	28E	589673	3565472*	1054	01/15/1957	01/18/1957	02/04/1957	125	12	DONOWHO, JOE	75	
C 03132	C	ED	Shallow	1	2	4	24S	28E	587618	3564877*	1221	11/08/2004	11/07/2004	11/22/2004	90	19		1348	
C 02524 POD2	C	ED	Shallow	2	2	2	24S	28E	587814	3565690*	1336	07/12/1997	07/13/1997	08/25/1997	90	11		1348	
C 00346	C	ED	Shallow	2	2	2	24S	28E	587715	3565591*	1355	05/25/1952	06/05/1952	01/26/1954	90	32	SMITH, SAM S.	108	
C 00574		ED	Shallow	2	4	4	24S	28E	589452	3566081*	1393	08/12/1954	08/12/1954	09/10/1954	200	20	W. D. BRININSTOOL	161	
C 00903	C	ED	Shallow	2	1	13	24S	28E	590178	3565575*	1534	10/01/1959	10/31/1959	01/28/1960	57	30	SMITH, SAM S.	108	

Record Count: 7

UTMNAD83 Radius Search (in meters):

Easting (X): 588937 Northing (Y): 3564830 Radius: 1600

*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.

Mesquite SWD, Inc.
VL SWD #1
2142' FSL & 249' FEL
Sec. 14, T24S-R28E Eddy County, NM

API 30-025-NA

Item IX:

Some acid may be applied after completion. No other formation stimulation is currently planned.

Item X:

Logs will be filed with the OCD upon completion of the well. Density -Neutron is planned from surface to TD.

Item XI:

Please note Item VIII discussion above.

Item XII:

There is no geological evidence of open faults or hydrologic connection between the disposal zone and any possible underground sources of protectable water.

Mesquite SWD, Inc.
 VL SWD #1
 2142' FSL & 249' FEL
 Sec. 14, T24S-R28E Eddy County, NM

API 30-025-NA

PROPOSED NEW WELL DIAGRAM

API: 30025xxxx
 Operator: Mesquite SWD, Inc
 Lease: VL SWD
 Location: Sec 14, T24S-R28E Eddy Co., NM
 Footage: 2242' FSL, 249' FEL

Well No: 1

KB: 2959 est
 GL: 2964 est

Surface Csg

Size: 20" 133# J-55 BTC
 Set @: 850
 Sxs cmt: 650
 Circ: Yes
 TOC: Surf
 Hole Size: 26"

Intermediate Csg

Size: 13-3/8" 68# N-80 LTC
 Set @: 4,400
 Sxs cmt: 1000
 Circ: Yes
 TOC: Surf
 Hole Size: 17-1/2"

Intermediate-2 Csg

Size: 9-5/8" 53.5# L-80 LTC
 Set @: 11650
 Sxs cmt: 1800
 Circ: Yes
 Hole Size: 12-1/4"

Liner

Size: 7-5/8" 39# P-110 Ultra FJ
 Top: 11415
 Set @: 14800
 Sx cmt: 2400
 Circ: Yes
 Hole Size: 8-1/2"

Open Hole

Size: 15000-16200'
 Interval: 15000-16200'
 Hole Size: 6-1/4"

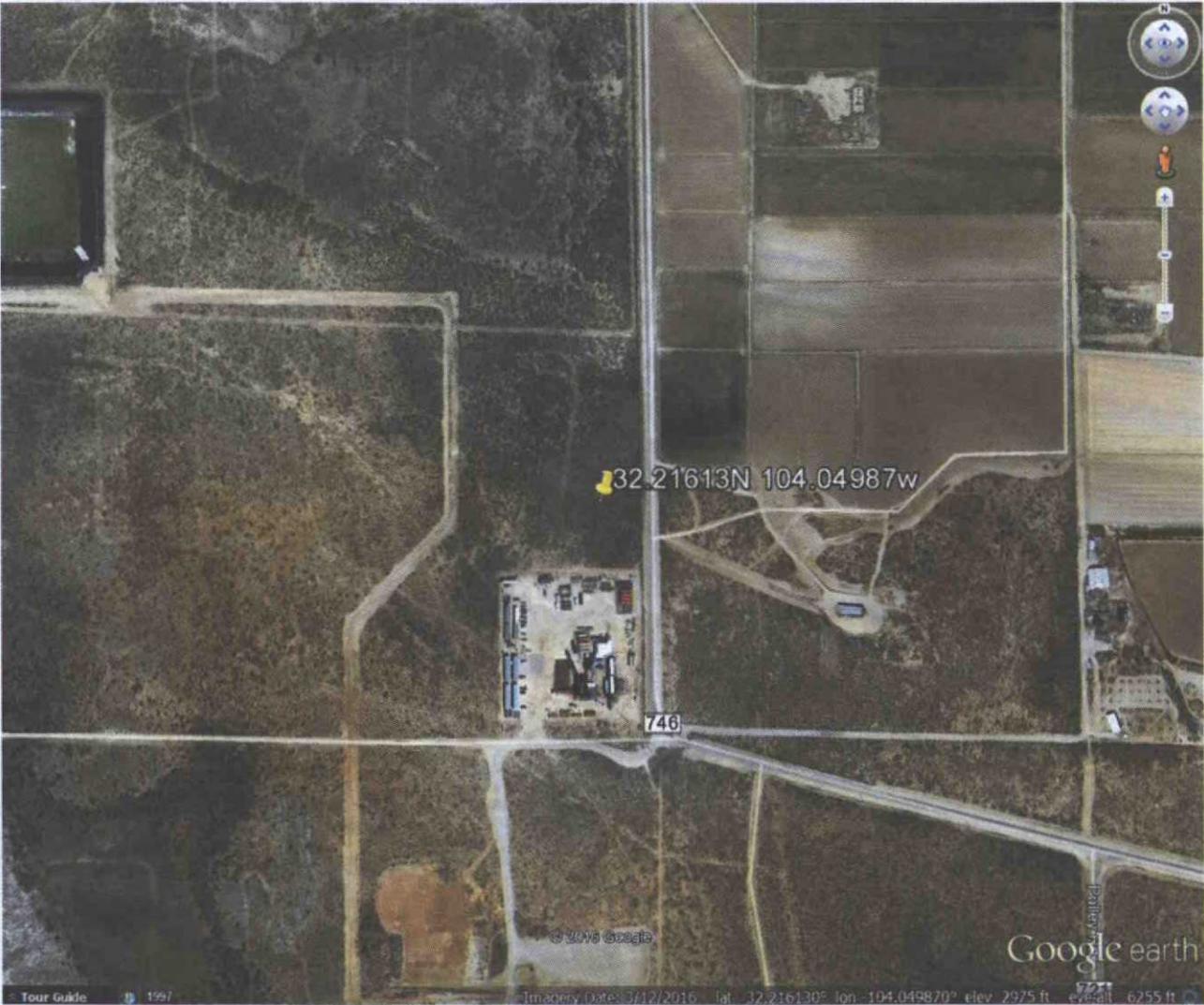
Tubular requirements (made-up):
 15,100' 4-1/2" w/o-1990' 13.5# P-110 LTC, 1990'-
 4600' 11.6# P-110 LTC, 4600'-9800' 11.6# N-80 LTC,
 9800'-12900' 11.6# P-110 LTC, 12900'-15100'
 13.5# N-80 LTC, all Fiberglass coated.
 Lok-Set or equivalent approx 15,100'

Open hole acid stimulation if required.
 Tubing annulus w/corrosion inhibitor.
 Complete surface head for disposal



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2142' FSL & 249' FEL
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API 30-025-NA



Google Earth view of VL location area

Mesquite SWD, Inc.
VL SWD #1
2142' FSL & 249' FEL
Sec. 14, T24S-R28E Eddy County, NM

API 30-025-NA

Item XIII: Proof of Notice

Minerals Owner:

Trustees of the Conquistador Council,
Boy Scouts of America, Trust Fund
2603 N. Aspen Ave
Roswell, NM 88201

Surface: Fee:

VL Water Company
P.O. Box 1479
Carlsbad, NM 88221

Operators:

Devon Energy Production Company, LP
333 West Sheridan Avenue
Oklahoma City, OK 73102-5015

Operator
In Sec 13 & 14, T24S-R28E

Matador Production Company
One Lincoln Centre
5400 LBJ Freeway, Ste 1500
Dallas, TX 75240

Operator
In Sec 14, T24S-R28E

OXY USA, Inc
P.O. Box 27570
Houston, TX 77277-7570

Operator
In Sec 14, T24S-R28E

Item XIII: Legal Publication

Affidavit of Publication

No. 23979

State of New Mexico

County of Eddy:

Danny Scott

Publisher

being duly sworn says that she is the

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 June 28, 2016

Second Publication _____

Third Publication _____

Fourth Publication _____

Fifth Publication _____

Sixth Publication _____

Subscribed and sworn before me this

28th day of June 2016



OFFICIAL SEAL
Latisha Romine
NOTARY PUBLIC-STATE OF NEW MEXICO

My commission expires: 5/12/2019

Latisha Romine
Notary Public, Eddy County, New Mexico

Copy of Publication:

LEGAL NOTICE

Mesquite SWD, Inc., c/o Kay Havenor, 904 Moore Ave, Roswell, NM 88201-1144, (575) 626-4518, is seeking approval from the New Mexico Oil Conservation Division to drill and complete the Mesquite SWD, Inc. VL SWD No. 1 well API: 30-015- (unassigned), to be located 2142 feet from the south line and 249 feet from the east line of Section 14, T24S, R28E, Eddy County, NM for commercial produced water disposal by drilling to approximately 16,300 feet to penetrate the Siluro-Devonian formation. The site is 1 mile southeast of Malaga, NM and US 285, Eddy County, NM.

Mesquite SWD, Inc. plans to dispose of a maximum of 25,000 BWPD with a disposal interval in the Siluro-Devonian formation through open-hole approximately 15,100' to 16,300' with maximum pressure of 3,020 psi.

Parties with questions regarding this proposal may contact Kay Havenor at the address or phone number above.

Interested parties must file objections or requests for hearing within 15 days of publication to the Oil Conservation Division: 1220 South St. Francis Dr., Santa Fe, NM 87505.

Published in the Artesia Daily Press, Artesia, N.M., June 28, 2016 Legal No. 23979.

Mesquite SWD, Inc.
 VL SWD #1
 2142' FSL & 249' FEL
 Sec. 14, T24S-R28E Eddy County, NM

API 30-025-NA

Item XIII: Certified Mail Receipts

U.S. Postal Service™
CERTIFIED MAIL® RECEIPT
 Domestic Mail Only

For delivery information, visit our website at www.usps.com®

ROSWELL, NM 88201

OFFICIAL USE

Postage	\$3.50	\$2.70
Certified Fee	\$0.00	\$0.00
Return Receipt Fee (Endorsement Required)	\$0.00	\$0.00
Restricted Delivery Fee (Endorsement Required)	\$0.00	\$0.00
Total Postage & Fees	\$1.57	\$7.57

06/28/2016

Sent To
 Boy Scouts of America, Trust Fund
 Street & Apt. No.,
 or PO Box No. 2603 N. Aspen Ave
 City, State, ZIP+4
 Roswell, NM 88201

PS Form 3800, July 2014 See Reverse for Instructions

U.S. Postal Service™
CERTIFIED MAIL® RECEIPT
 Domestic Mail Only

For delivery information, visit our website at www.usps.com®

OKLAHOMA CITY, OK 73102

OFFICIAL USE

Postage	\$3.50	\$2.70
Certified Fee	\$0.00	\$0.00
Return Receipt Fee (Endorsement Required)	\$0.00	\$0.00
Restricted Delivery Fee (Endorsement Required)	\$0.00	\$0.00
Total Postage & Fees	\$1.57	\$7.57

06/28/2016

Sent To
 Devon Energy Production Company
 Street & Apt. No.,
 or PO Box No. 333 West Sheridan Avenue
 City, State, ZIP+4
 Oklahoma City, OK 73102-5015

PS Form 3800, July 2014 See Reverse for Instructions

U.S. Postal Service™
CERTIFIED MAIL® RECEIPT
 Domestic Mail Only

For delivery information, visit our website at www.usps.com®

DALLAS, TX 75240

OFFICIAL USE

Postage	\$3.50	\$2.70
Certified Fee	\$0.00	\$0.00
Return Receipt Fee (Endorsement Required)	\$0.00	\$0.00
Restricted Delivery Fee (Endorsement Required)	\$0.00	\$0.00
Total Postage & Fees	\$1.57	\$7.57

06/28/2016

Sent To
 Matador Production Company
 Street & Apt. No.,
 or PO Box No. 5400 LBJ Freeway
 One Lincoln Centre
 City, State, ZIP+4
 Dallas, TX 75240

PS Form 3800, July 2014 See Reverse for Instructions

U.S. Postal Service™
CERTIFIED MAIL® RECEIPT
 Domestic Mail Only

For delivery information, visit our website at www.usps.com®

HOUSTON, TX 77277

OFFICIAL USE

Postage	\$3.50	\$2.70
Certified Fee	\$0.00	\$0.00
Return Receipt Fee (Endorsement Required)	\$0.00	\$0.00
Restricted Delivery Fee (Endorsement Required)	\$0.00	\$0.00
Total Postage & Fees	\$1.57	\$7.57

06/28/2016

Sent To
 OXY USA, Inc.
 Street & Apt. No.,
 or PO Box No. P.O. Box 27570
 City, State, ZIP+4
 Houston, TX 77277-5700

PS Form 3800, July 2014 See Reverse for Instructions

U.S. Postal Service™
CERTIFIED MAIL® RECEIPT
 Domestic Mail Only

For delivery information, visit our website at www.usps.com®

CARLSBAD, NM 88221

OFFICIAL USE

Postage	\$3.50	\$2.70
Certified Fee	\$0.00	\$0.00
Return Receipt Fee (Endorsement Required)	\$0.00	\$0.00
Restricted Delivery Fee (Endorsement Required)	\$0.00	\$0.00
Total Postage & Fees	\$1.57	\$7.57

06/28/2016

Sent To
 VL Water Company
 Street & Apt. No.,
 or PO Box No. P.O. Box 1479
 City, State, ZIP+4
 Carlsbad, NM 88221

PS Form 3800, July 2014 See Reverse for Instructions

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:
 Trustees of Conquistador Council
 Boy Scouts of America, Trust Fund
 2603 N. Aspen Ave
 Roswell, NM 88201

9590 9402 1491 5329 4275 55

2. Article Number (Transfer from service label)
 7014 2120 0001 6412 9226

PS Form 3811, July 2015 PSN 7530-02-000-9053

COMPLETE THIS SECTION ON DELIVERY

A. Signature
 Adult Signature
 Agent
 Addressee

B. Received by (Printed Name)
 X *Diana Cole*

C. Date of Delivery
 7/1/15

D. Is delivery address different from item 1? Yes
 If YES, enter delivery address below: No

3. Service Type
 Adult Signature
 Adult Signature Restricted Delivery
 Certified Mail
 Collect on Delivery
 Collect on Delivery Restricted Delivery
 Insured Mail
 Insured Mail Restricted Delivery (over \$500)

Priority Mail Express®
 Registered Mail™
 Registered Mail Restricted Delivery
 Return Receipt for Merchandise
 Signature Confirmation™
 Signature Confirmation Restricted Delivery

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:
 VL Water Company
 P.O. Box 1479
 Carlsbad, NM 88221

9590 9402 1491 5329 7174 65

2. Article Number (Transfer from service label)
 7014 2120 0001 6412 9219

PS Form 3811, July 2015 PSN 7530-02-000-9053

COMPLETE THIS SECTION ON DELIVERY

A. Signature
 Adult Signature
 Agent
 Addressee

B. Received by (Printed Name)
 X *John Howard Mann*
John Howard Mann

C. Date of Delivery
 7/1/15

D. Is delivery address different from item 1? Yes
 If YES, enter delivery address below: No

3. Service Type
 Adult Signature
 Adult Signature Restricted Delivery
 Certified Mail
 Collect on Delivery
 Collect on Delivery Restricted Delivery
 Insured Mail
 Insured Mail Restricted Delivery (over \$500)

Priority Mail Express®
 Registered Mail™
 Registered Mail Restricted Delivery
 Return Receipt for Merchandise
 Signature Confirmation™
 Signature Confirmation Restricted Delivery

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:
 Devon Energy Production Company
 333 West Sheridan Avenue
 Oklahoma City, OK 73102-5015

9590 9402 1491 5329 4275 48

2. Article Number (Transfer from service label)
 7014 2120 0001 6412 9233

PS Form 3811, July 2015 PSN 7530-02-000-9053

COMPLETE THIS SECTION ON DELIVERY

A. Signature
 Adult Signature
 Agent
 Addressee

B. Received by (Printed Name)
 X *[Signature]*

C. Date of Delivery
 7/1/15

D. Is delivery address different from item 1? Yes
 If YES, enter delivery address below: No

3. Service Type
 Adult Signature
 Adult Signature Restricted Delivery
 Certified Mail
 Collect on Delivery
 Collect on Delivery Restricted Delivery
 Insured Mail
 Insured Mail Restricted Delivery (over \$500)

Priority Mail Express®
 Registered Mail™
 Registered Mail Restricted Delivery
 Return Receipt for Merchandise
 Signature Confirmation™
 Signature Confirmation Restricted Delivery

USPS Tracking Intranet

Delivery Signature and Address

Container ID Searches
Do not use the container ID search. Do not share the search results externally. The container ID search may return events that are repeated or belong to another container. To view container events, use the tracking number search results. Please do not log a Help Desk ticket. A fix is in progress.

Tracking Number: 7014 2130 0001 8412 9080

This item was delivered on 07/06/2016 at 06:02:00

[Return to Tracking Number View](#)

Delivery Section	
Signature	
Initials	J B E A A H
Address	

Enter up to 35 items separated by commas

Select Search Type

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY																
<p><input checked="" type="checkbox"/> Complete items 1, 2, and 3.</p> <p><input checked="" type="checkbox"/> Print your name and address on the reverse so that we can return the card to you.</p> <p><input checked="" type="checkbox"/> Attach this card to the back of the mailpiece or on the front if space permits.</p>	<p>A. Signature <input checked="" type="checkbox"/> Agent <input checked="" type="checkbox"/> Addressee</p>																
<p>1. Article Addressed to:</p> <p>Matador Production Company One Lincoln Centre Dallas, TX 75240 5400 LBJ Freeway Ste 1500</p> <p>[Redacted Box]</p> <p>9590 9402 1491 5329 4275 31</p>	<p>B. Received by (Printed Name) C. Date of Delivery</p>																
<p>2. Article Number (Transfer from service label)</p> <p>7014 2120 0001 6412 9240</p>	<p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If YES, enter delivery address below:</p>																
<p>PS Form 3811, July 2015 PSN 7530-02-000-9053</p>	<p>3. Service Type</p> <table border="0"> <tr> <td><input type="checkbox"/> Adult Signature</td> <td><input type="checkbox"/> Priority Mail Express®</td> </tr> <tr> <td><input type="checkbox"/> Adult Signature Restricted Delivery</td> <td><input type="checkbox"/> Registered Mail™</td> </tr> <tr> <td><input checked="" type="checkbox"/> Certified Mail®</td> <td><input type="checkbox"/> Registered Mail Restricted Delivery</td> </tr> <tr> <td><input type="checkbox"/> Certified Mail Restricted Delivery</td> <td><input type="checkbox"/> Return Receipt for Merchandise</td> </tr> <tr> <td><input type="checkbox"/> Collect on Delivery</td> <td><input type="checkbox"/> Signature Confirmation™</td> </tr> <tr> <td><input type="checkbox"/> Collect on Delivery Restricted Delivery</td> <td><input type="checkbox"/> Signature Confirmation Restricted Delivery</td> </tr> <tr> <td><input type="checkbox"/> Insured Mail</td> <td></td> </tr> <tr> <td><input type="checkbox"/> Insured Mail Restricted Delivery (over \$500)</td> <td></td> </tr> </table> <p>Domestic Return Receipt</p>	<input type="checkbox"/> Adult Signature	<input type="checkbox"/> Priority Mail Express®	<input type="checkbox"/> Adult Signature Restricted Delivery	<input type="checkbox"/> Registered Mail™	<input checked="" type="checkbox"/> Certified Mail®	<input type="checkbox"/> Registered Mail Restricted Delivery	<input type="checkbox"/> Certified Mail Restricted Delivery	<input type="checkbox"/> Return Receipt for Merchandise	<input type="checkbox"/> Collect on Delivery	<input type="checkbox"/> Signature Confirmation™	<input type="checkbox"/> Collect on Delivery Restricted Delivery	<input type="checkbox"/> Signature Confirmation Restricted Delivery	<input type="checkbox"/> Insured Mail		<input type="checkbox"/> Insured Mail Restricted Delivery (over \$500)	
<input type="checkbox"/> Adult Signature	<input type="checkbox"/> Priority Mail Express®																
<input type="checkbox"/> Adult Signature Restricted Delivery	<input type="checkbox"/> Registered Mail™																
<input checked="" type="checkbox"/> Certified Mail®	<input type="checkbox"/> Registered Mail Restricted Delivery																
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<input type="checkbox"/> Collect on Delivery Restricted Delivery	<input type="checkbox"/> Signature Confirmation Restricted Delivery																
<input type="checkbox"/> Insured Mail																	
<input type="checkbox"/> Insured Mail Restricted Delivery (over \$500)																	



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

Well No. 1 Well Name(s): VL S W

API: 30-0 15 - Pending Spud Date: 7/30 New or Old: N (UIC Class II Primacy 03/07/1982)

Footages 2142 FSL 244 FEL Lot _____ or Unit _____ Sec 14 Tsp 245 Rge 28 County Eddy

General Location: 3.1 mile SE 1/4 Pool: Sandstone Pool No.: 97861

BLM 100K Map: Carlsbad Operator: Mesquite OGRID: 16156R Contact: HAVCHOR, SCOTT

COMPLIANCE RULE 5.9: Total Wells: 14 Inactive: 2 Fincl Assur: Y Compl. Order? NA IS 5.9 OK? Y Date: 7/25/2016

WELL FILE REVIEWED Current Status: Proposed

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

Planned Rehab Work to Well: C-B-L Liner to Surface

Well Construction Details	Sizes (in) Borehole / Pipe	Setting Depths (ft)	Cement (57) or Cf	Cement Top and Determination Method
Planned ___ or Existing ___ Surface	<u>24/20</u>	<u>850</u>	Stage Tool	<u>650</u> <u>SURFACE/VISUAL</u>
Planned ___ or Existing ___ Interm/Prod	<u>17 7/8 / 13 3/8</u>	<u>4400</u>		<u>1000</u> <u>SURFACE/VISUAL</u>
Planned ___ or Existing ___ Interm/Prod	<u>12 1/4 / 6 5/8</u>	<u>11650</u>		<u>1800</u> <u>SURFACE/VISUAL</u>
Planned ___ or Existing ___ Prod/Liner	<u>8 1/2 / 7 5/8</u>	<u>104800</u>	<u>1400</u>	<u>2400</u> <u>11415/*LS-L</u>
Planned ___ or Existing ___ Liner				
Planned ___ or Existing ___ <input checked="" type="radio"/> OHY PERF	<u>15100 / 1650</u>		<u>1200</u>	

Injection Lithostratigraphic Units	Depths (ft)	Injection or Confining Units	Tops	Completion/Operation Details:
Adjacent Unit: Litho. Struc. Por.		<u>DU</u>	<u>1500</u>	Drilled TD <u>16300</u> PBDT _____
Confining Unit: Litho. Struc. Por.		<u>M 3</u>	<u>14450</u>	NEW TD _____ NEW PBDT _____
Proposed Inj Interval TOP:				NEW Open Hole <input type="radio"/> or NEW Perfs <input type="radio"/>
Proposed Inj Interval BOTTOM:				Tubing Size <u>4 1/2</u> in. Inter Coated? _____
Confining Unit: Litho. Struc. Por.				Proposed Packer Depth <u>15100</u> ft
Adjacent Unit: Litho. Struc. Por.				Min. Packer Depth <u>15000</u> (100-ft limit)
				Proposed Max. Surface Press. <u>3020</u> psi
				Admin. Inj. Press. <u>3020</u> (0.2 psi per ft)

AOR: Hydrologic and Geologic Information

POTASH: R-111-P NA Noticed? _____ BLM Sec Ord WIPP Noticed? _____ Salt/Salado T: 700 B: 27 NW: Cliff House fm _____

FRESH WATER: Aquifer Quaternary Max Depth 52' HYDRO AFFIRM STATEMENT By Qualified Person

NMOSE Basin: Carlsbad CAPITAN REEF: thru adj. NA No. Wells within 1-Mile Radius? _____ FW Analysis _____

Disposal Fluid: Formation Source(s) Permian Analysis? Y On Lease Operator Only or Commercial

Disposal Int: Inject Rate (Avg/Max BWPD): 154/25 K Protectable Waters? NA Source: _____ System: Closed or Open

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

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

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

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

NOTICE: Newspaper Date 6-26-2010 Mineral Owner VL Water Surface Owner VL Water company N. Date July 1, 2016

RULE 26.7(A): Identified Tracts? _____ Affected Persons: DeWing, Lattimore, Oxy N. Date _____

Order Conditions: Issues: C-B-L from bottom liner - TD

Add Order Cond: _____



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

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

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

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Range	X	Y	Depth Well	Depth Water	Water Column
C 00329	C	ED		2	1	2	13	24S	28E	590682	3565677*	95	30	65
C 00346	C	ED		2	2	15	24S	28E	587715	3565591*	90	32	58	
C 00353	C	C	ED	3	4	13	24S	28E	590603	3564367*	2726			
C 00354	C	C	ED	4	4	13	24S	28E	591005	3564367*	2739			
C 00464		ED		2	2	1	13	24S	28E	590277	3565674*	111	28	83
C 00488	C	ED		2	1	2	15	24S	28E	587412	3565688*	64	8	56
C 00684		ED		2	1	2	13	24S	28E	590682	3565677*	95	40	55
C 00738		ED		3	1	1	13	24S	28E	589673	3565472*	125	12	113
C 00750		ED		1	2	4	13	24S	28E	590898	3564871*	110		
C 00903	C	ED		2	1	13	24S	28E	590178	3565575*	57	30	27	
C 01154	C	ED		2	1	2	13	24S	28E	590682	3565677*	95	50	45
C 02057	C	ED		1	4	14	24S	28E	588956	3564774*	126	52	74	
C 02244	C	LE		3	1	2	22	24S	28E	587224	3563865*	260		
C 02524 POD2	C	ED		2	2	2	15	24S	28E	587814	3565690*	90	11	79
C 03132	C	ED		1	2	4	15	24S	28E	587616	3564877*	90	19	71

Average Depth to Water: **28 feet**

Minimum Depth: **8 feet**

Maximum Depth: **52 feet**

Record Count: 15

PLSS Search:

Section(s): 13-15, 22-24

Township: 24S

Range: 28E

*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.

wellname	api	section	township	range	unit	ftgns	ftgew	formation	depth	ph	chloride_mgl
GAINES 21 #001	3001528638	21	24S	29E	O	990S	1650E	BONE SPRING	7850	8.48	62858.2
OREIDA 14 FEDERAL #001	3001528956	14	24S	29E	D	660N	480W			6.38	108467
H B 11 FEDERAL #002	3001529248	11	24S	29E	L	1650S	400W			6.55	109207
OREIDA 14 FEDERAL #008	3001529277	14	24S	29E	O	760S	1830E			6.36	106304
OREIDA 14 FEDERAL #010	3001529290	14	24S	29E	I	1780S	860E			6.19	115827
HB 2 STATE #002	3001532514	2	24S	29E	E	2030N	585W			6.57	104737
H B 11 FEDERAL #007	3001532606	11	24S	29E	K	2550S	1600W			6.51	103070
H B 2 STATE #004	3001532821	2	24S	29E	N	860S	1780W			6.68	106966
H B 2 STATE #005	3001532943	2	24S	29E	K	1980S	1980W			6.69	104779
H B 2 STATE #006	3001532944	2	24S	29E	F	1980N	1980W			6.57	105144
DOUBLE DALE FEE COM #001	3001535539	6	24S	29E	I	1600S	660E			7.2	31304
H B 11 FEDERAL #003	3001529249	11	24S	29E	N	850S	2100W			6.8	118370
OREIDA 14 FEDERAL #009	3001529278	14	24S	29E	P	560S	760E			6.9	114942
H B 11 FEDERAL #008H	3001537900	11	24S	29E	B	330N	1650E	AVALON UPPER		6.8	114114
H B STATE #001	3001525653	2	24S	29E	E	1980N	660W			6.9	14600
H B 2 STATE #008	3001538297	2	24S	29E	A	1140N	700E			6.7	14898
OREIDA 14 FEDERAL #010	3001529290	14	24S	29E	I	1780S	860E			7	140200
OREIDA 14 FEDERAL #010	3001529290	14	24S	29E	I	1780S	860E			7	154655
OREIDA 14 FEDERAL #001	3001528956	14	24S	29E	D	660N	480W			7.02	116423
OREIDA 14 FEDERAL #004	3001528963	14	24S	29E	C	660N	1650W			6.12	157996
OREIDA 14 FEDERAL #008	3001529277	14	24S	29E	O	760S	1830E			6.3	104019.6
OREIDA 14 FEDERAL #012	3001529291	14	24S	29E	K	1880S	2480W			6.3	112138.7
OREIDA 14 FEDERAL #007	3001529306	14	24S	29E	J	2180S	1780E			6.1	112313
OREIDA 14 FEDERAL #013	3001529417	14	24S	29E	N	660S	1980W			6	112366.7
H B 11 FEDERAL #002	3001529248	11	24S	29E	L	1650S	400W			7.1	112725
HB 2 STATE #002	3001532514	2	24S	29E	E	2030N	585W			7.7	109265
H B 11 FEDERAL #005	3001532741	11	24S	29E	C	330N	1750W			6	59222
OREIDA 14 FEDERAL #010	3001529290	14	24S	29E	I	1780S	860E			5.2	146451
KNOLL AOK FEDERAL #001	3001528127	3	24S	29E	G	1980N	1980E	BONE SPRING		6.15	84981
CORRAL DRAW AQH FEDERAL	3001529396	13	24S	29E	L	2310S	330W	BONE SPRING		5.59	164963
OREIDA 14 FEDERAL #002	3001528930	14	24S	29E	E	1980N	330W			7	170994
H B 11 FEDERAL #008H	3001537900	11	24S	29E	B	330N	1650E	AVALON UPPER		7	104800
GUY A REED #001	3001510872	24	24S	28E	E	1980N	660W	DELAWARE		6.1	78600
MALAGA UNIT #001	3001502494	13	24S	28E	B	330N	1650E	DELAWARE			91050
FED #001	3001502504	24	24S	28E	A	330N	990E				78580

McMillan, Michael, EMNRD

From: Kay Havenor <kay.havenor@gmail.com>
Sent: Tuesday, July 26, 2016 8:12 AM
To: McMillan, Michael, EMNRD
Subject: Mesquite - VL

I have been unable to obtain specific examples of TDS within a reasonable radius of the proposed Mesquite VL. Throughout southeastern Eddy and southwestern Lea counties the Bone Springs and Wolfcamp formations have TDS's of produced waters of 70,000 +- ppm Cl. Devonian waters in this region are far from potable but known to accept Permian waters with no problems.

--
Kay C. Havenor