

RECEIVED: 10/18/2017	REVIEWER: PRG	TYPE: SWD	APP NO: DMAM1729159232
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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: <u>Mesquite SWD, Inc.</u>	OGRID Number: <u>161968</u>
Well Name: <u>Trey SWD Well No. 1</u>	API: <u>30-015-pending</u>
Pool: <u>Swd; Devonian-Silurian</u>	Pool Code: <u>97869</u>

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

SWD-1699

- 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	
<input type="checkbox"/>	Notice Complete
<input type="checkbox"/>	Application Content Complete

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

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

Kay Havenot
 Print or Type Name

October 18, 2017
 Date

575-624-2158
 Phone Number

see Application
 Signature

 e-mail Address

APPLICATION FOR AUTHORIZATION TO INJECT

- I. PURPOSE: _____ Secondary Recovery _____ Pressure Maintenance _____ X _____ Disposal _____ Storage
Application qualifies for administrative approval? _____ X _____ 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 _____ 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: Kay Havenor TITLE: Agent

SIGNATURE: Kay C Havenor DATE: 9/14/2017

E-MAIL ADDRESS: Kay.Havenor@Gmail.com Mesquite SWD, Inc contact: ClayL.Wilson@hotmail.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: Trey SWD #1 30-025-NA (New Drill)

WELL LOCATION: 200' FNL & 200' FEL A 21 23S 32E
FOOTAGE LOCATION UNIT LETTER SECTION TOWNSHIP RANGE

WELLBORE SCHEMATIC

See attached diagram

PROPOSED WELL CONSTRUCTION DATA

Surface Casing

Hole Size: 26" Casing Size: 20" 94# J-55 BTC

Cemented with: 650 sx. *or* _____ ft³

Top of Cement: Surface Method Determined: Circulate

Intermediate-1 Casing

Hole Size: 17-1/2" Casing Size: 13-3/8" 68# N-80 LTC

Cemented with: 1000 sx. *or* _____ ft³

Top of Cement: Surface Method Determined: Circulate

Intermediate-2 Casing

Hole Size: 12 1/4" Casing Size: 9 5/8" 47# HCL

Cemented with: 1800 sx. *or* _____ ft³

Top of Cement: Surface Method Determined: Opr

Liner

Hole Size 8½" Casing Size 7⅝" 39/42.8# P-110
Cemented with: 2885 sx. or _____ ft³
Top of Cement Surface Method Determined Opr
Total Depth: Approx 18,000'

Injection Interval

Approximately 16,737' To Approximately 18,000'

(Perforated or Open Hole; indicate which) Open Hole

Mesquite SWD, Inc.
 Trey SWD #1
 200' FNL & 200' FEL
 Sec. 21, T23S-R32E Lea County, NM

API 30-025-NA

PROPOSED NEW WELL DIAGRAM

API: 30025XXXX
 Operator: Mesquite SWD, Inc
 Lease: Trey SWD
 Location: Sec 21, T23S-R32 Lea Co., NM
 Footage: 200' FNL & 200' FEL

Well No: 1

KB: 3727' est
 GL: 3697' (Google)
 MSL of TD: -14273' est
 32.29552011N 103.6721339W

Surface Csg

Size: 20" 94# J-55 BTC
 Set @: 880
 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" 47# HCL
 Set @: 11700
 Sxs cmt: 1800
 Circ: Yes
 Hole Size: 12-1/4"

Liner

Size: 7-5/8" 39/42.8# P-110
 Top: 11650
 Set @: 16737
 Sx cmt: 2885
 Circ: Yes
 Hole Size: 8-1/2"

Open Hole

Size: 16737-18000'
 Interval: 16737-18000'
 Hole Size: 6-1/4"

Tubular requirements (made-up): 5-1/2"
 0-300' 17# N80 Butt, 330'-11,000' 17# N80 LTC,
 11,000'-11,650' 20# N80 LTC, 4.5" 11,650'-12,800'
 11.6# P110 LTC, 12,800'-14,400' 13.5# N80 LTC
 14,400'-16,737' 31.5# P110 LTC

Lok-Set or equivalent approx 16,737'

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



NOT TO SCALE

Est: Montoya 18050

INJECTION WELL DATA SHEET

Tubing Size: 5.5" 0-11,650' 17/20#, 4.5" 11,650'-16,737' P-110/N80 Fiberglass coated

Type of Packer: Lok-Set or equivalent

Packer Setting Depth: Approx 16,737 ft

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 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

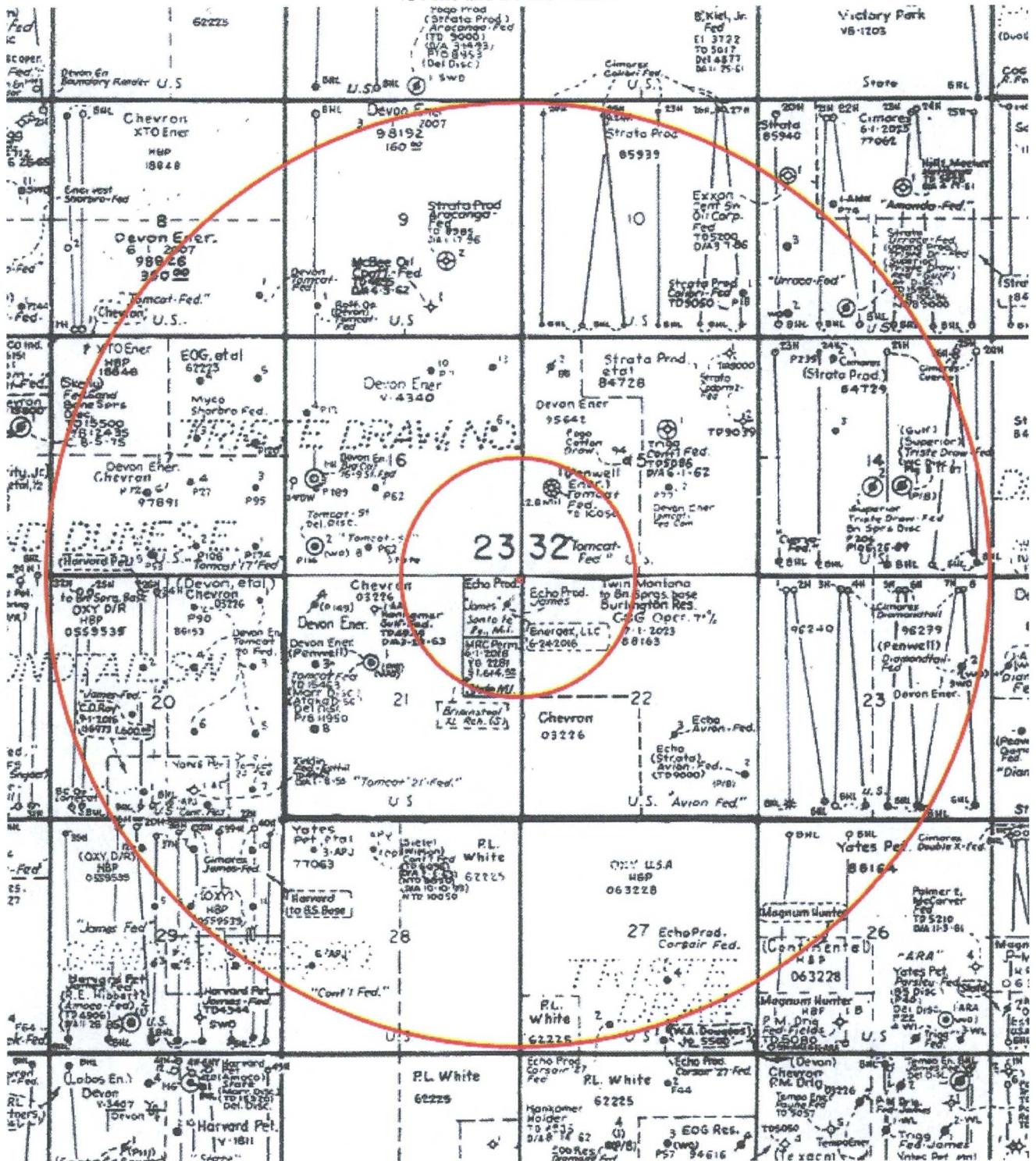
5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area: Delaware & Bone Springs horizons all above approximately 9,000'

Mesquite SWD, Inc.
 Trey SWD #1
 200' FNL & 200' FEL
 Sec. 21, T23S-R32E Lea County, NM

API 30-025-NA

Item V:

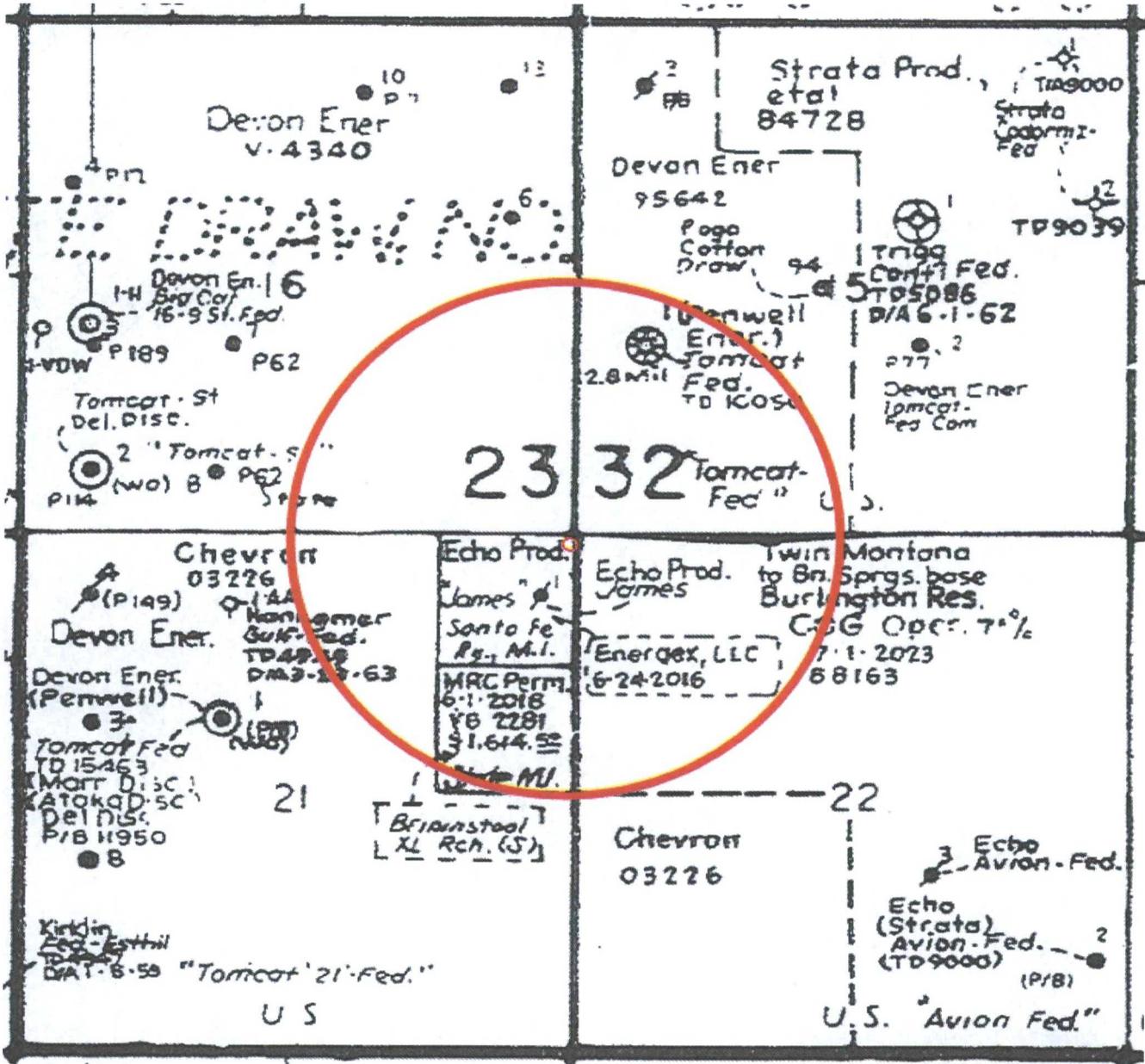
Area of Review
 1/2 Mile and 2 Mile Radius



Some wells shown may not have been drilled.

Item V (a):

AOR Half-Mile



Mesquite SWD, Inc.
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 200' FNL & 200' FEL
 Sec. 21, T23S-R32E Lea County, NM

API 30-025-NA

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
3002535288	JAMES 001	Plugged	A	21	23.0S	32E	660	N	330	E	A	ECHO PRODUCTION INC	O	P	31-Oct-03	08-Feb-01	3689	9018
3002533801	TOMCAT 15 FEDERAL COM 001	Active	L	15	23.0S	32E	1980	S	660	W	L	DEVON ENERGY PRODUCTION COMPANY, LP	G	F		11-Feb-97	3701	16050

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

Item VII:

1. The maximum injected volume anticipated is 25,000 BWP. Average anticipated is 20,000 BWP.
2. Injection will be through a closed system.
3. Maximum injection pressure is expected to be 3,347 psi, or as controlled by depth.
4. Disposal sources will be produced waters that, based upon regional experience, are compatible with known waters in the disposal zone.
5. All known water sample analyses from T23S-R32E Lea County are shown below:

WELLNAME	API	TOWNSHIP	RANGE	SECTION	TDS(mg/L)	Chlorides(mg/L)
TOMCAT 20 FEDERAL #002	3002534926	23S	32E	20	270134.8	163530.8
TOMCAT 16 STATE #006	3002534949	23S	32E	16	277945.7	171388.5
TOMCAT 16 STATE #010	3002535045	23S	32E	16	279186.4	167901
TOMCAT 17 FEDERAL #005	3002535069	23S	32E	17	263310.1	163470.4
TOMCAT 17 FEDERAL #006	3002535070	23S	32E	17	212591.3	130585.8
TOMCAT 21 FEDERAL #004	3002535103	23S	32E	21	267412.2	165712.8
TOMCAT 20 FEDERAL #003	3002535145	23S	32E	20	268827.3	158372.6
TOMCAT 20 FEDERAL #004	3002535233	23S	32E	20	286428.9	170121.3
TOMCAT 20 FEDERAL #005	3002535234	23S	32E	20	289125	170749.7
TOMCAT 16 STATE #013	3002535411	23S	32E	16	281858.5	172401.4

Note: Regional Permian Basin experience demonstrates the non-hydrocarbon productive Siluro-Devonian zones are safe for SWD.

Mesquite SWD, Inc.
 Trey SWD #1
 200' FNL & 200' FEL
 Sec. 21, T23S-R32E Lea County, NM

API 30-025-NA

Item VIII:

Disposal will be into Siluro-Devonian formations.

There is no known potable water within a 1-mile radius. Records from the New Mexico Office of the State Engineer on April 25, 2017 show no known water wells within a 1-mile radius of the proposed Mesquite SWD disposal well.

The surface geology of the greater area, including the 2-mile radius as shown in Item V above, is lower Pliocene to middle Miocene Ogallala Formation eolian and alluvial deposits. These are underlain by Permian formations and evaporites. Based upon surface geology the depth of potable water is expected 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

(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	Subbasin	County	Source	6416 4	Sec	Tws	Rng	X	Y	Distance	Start Date	Finish Date	Log File Date	Depth Well	Depth Water	Driller	License Number	
<u>C 03528 POD1</u>		C	LE	Shallow	1	1	2	15	24S	32E	626040	3566129	1153	02/20/2012	03/12/2012	04/30/2012	541	NORRIS, JOHN D. (LD)	1682

Record Count: 1

UTMNAD83 Radius Search (in meters):

Easting (X): 625250 **Northing (Y):** 3565290 **Radius:** 3000

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.

9/19/17 5:46 PM

WELLS WITH WELL LOG INFORMATION

Note. The above water well is located approximately 1 1/3 miles northeast of the proposed Trey SWD location. No other water wells are reported in the area.

Devon Energy Corp
Water samples (commingled) from Bone Springs and Wolfcamp

WELLNAME	API	TOWNSHIP	RANGE	SECTION	TDS(mg/L)	Chlorides(mg/L)
TODD 14 K FEDERAL #001	3001520298	23S	31E	14	283352.3	179158
TODD 14 K FEDERAL #001	3001520298	23S	31E	14	301106.9	176934

Item VIII: continued

Reported water sample analyses for T23S-R32E, Lea Co.

WELLNAME	API	TOWNSHIP	RANGE	SECTION	TDS(mg/L)	Chlorides(mg/L)
DIAMONDTAIL 24 FEDERAL #001	3002533344	23S	32E	24	172490.2	103630
TOMCAT 21 FEDERAL #001	3002533356	23S	32E	21	246335.6	157130.6
TOMCAT 21 FEDERAL #003	3002533911	23S	32E	21	258460.4	163589.5
TOMCAT 17 FEDERAL #001	3002534690	23S	32E	17	254754.8	154115.3
TOMCAT 17 FEDERAL #002	3002534691	23S	32E	17	259999.9	162178.7
TOMCAT 17 FEDERAL #003	3002534692	23S	32E	17	264290.8	165588.8
TOMCAT 16 STATE #003	3002534809	23S	32E	16	282155.2	175393.6
TOMCAT 17 FEDERAL #004	3002534812	23S	32E	17	214893.4	131133.5
TOMCAT 16 STATE #007	3002534923	23S	32E	16	244760.3	153409.7
TOMCAT 16 STATE #008	3002534924	23S	32E	16	234317.5	142924.3

Note: No water samples from pre-Permian formations have been found for T23S-R32E.

Item IX:

Acid may be applied after drilling completed. No other formation stimulation is currently planned.

Item X:

Logs will be filed with the OCD upon completion of the well. Density-Neutron will cover open-hole.

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.

Casing depths in this well are planned to insure there will be no hydrologic connection between underground sources of drinking water and the injection zone.

Mesquite SWD, Inc.
 Trey SWD #1
 200' FNL & 200' FEL
 Sec. 21, T23S-R32E Lea County, NM

API 30-025-NA

Plug and Abandon Diagram

API: 3002535288
 Operator: Echo Production Company, Inc.
 Lease: James
 Location: Sec 21, T23S-R32E Lea Co., NM
 Footage: 660 FNL, 330 FEL

Well No: 1

KB: 3708'
 GL: 3689'

Surface Csg

Size: 13-3/8" 48#
 Set @: 629
 Sxs cmt: 560
 Circ: Yes
 TOC: Surface
 Hole Size: 17-1/2"

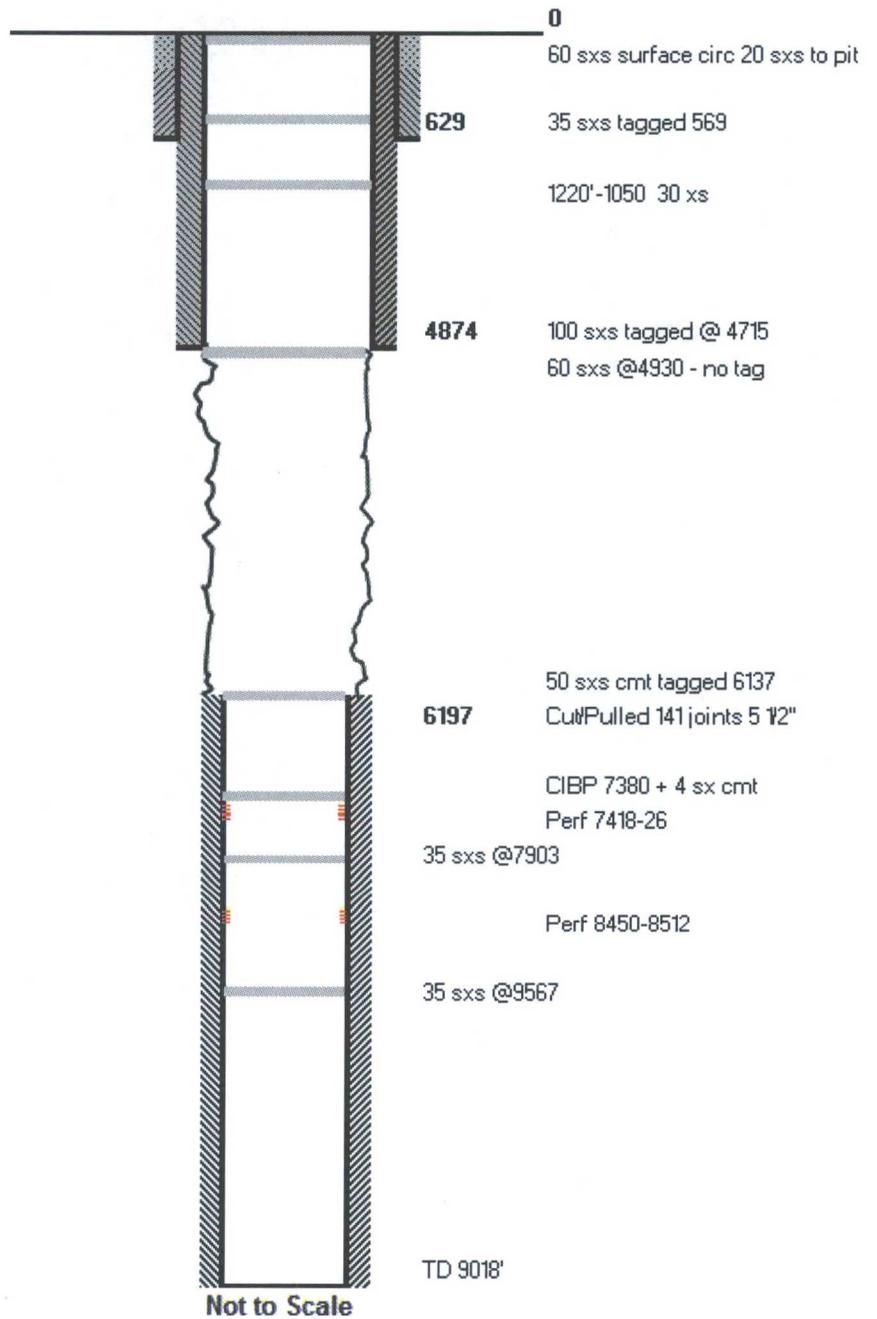
Intermediate Csg

Size: 8-5/8" 32#
 Set @: 4874
 Sxs cmt: 1575
 Circ: 560 sxs
 TOC: Surface
 Hole Size: 11"

Production Csg

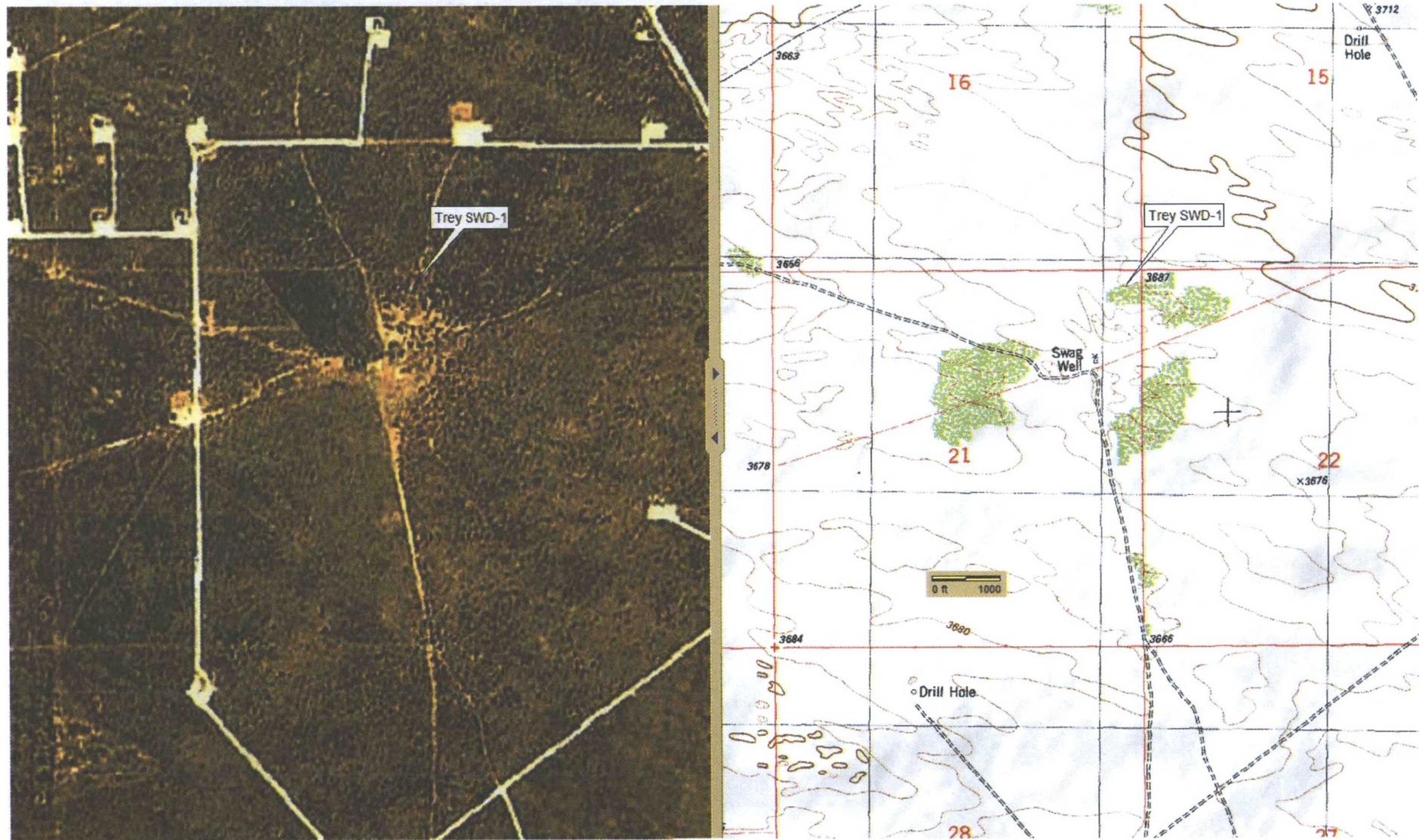
Size: 5-1/2" 17#
 Set @: 8710
 Sxs cmt: 500
 Circ: No
 TOC: NR
 Hole Size: 7-7/8"
 TD: 9018

P&A 10/30/2003



Mesquite SWD, Inc.
Trey SWD #1
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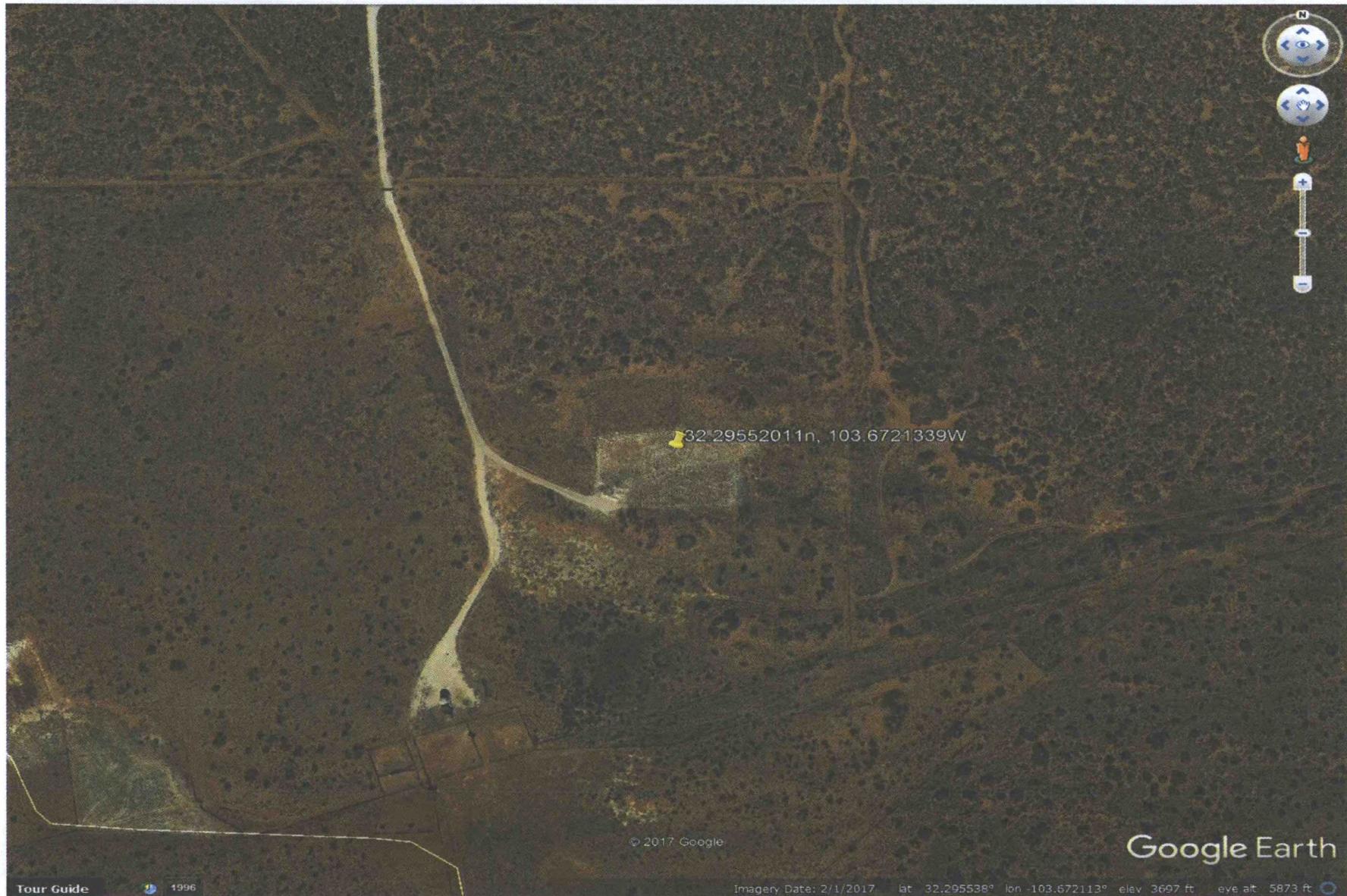
API 30-025-NA



Delorme X-Map6 Pro (cerca 19XX)
Location approximately 25 mile east of Loving, NM.

Mesquite SWD, Inc.
Trey SWD #1
200' FNL & 200' FEL
Sec. 21, T23S-R32E Lea County, NM

API 30-025-NA



Google Earth Pro view of proposed well site area. Image view 2/1/2017.

Mesquite SWD, Inc.
Trey SWD #1
200' FNL & 200' FEL
Sec. 21, T23S-R32E Lea County, NM

API 30-025-NA

Item XIII: Proof of Notice

Minerals Owner:

Bureau of Land Management
620 E. Greene St.
Carlsbad, NM 88220

Surface:

Hughes Properties, LLC
4304 Monica Lane
Carlsbad, NM 88221

Operators in AOR:

COG Production, LLC
600 W. Illinois Ave
Midland, TX 79701-4287

Sec. 22

Devon Energy Corporation
333 West Sheridan Ave
Oklahoma City, OK 73105-5015

Sec. 15, 16, 21

Mesquite SWD, Inc.
Trey SWD #1
200' FNL & 200' FEL
Sec. 21, T23S-R32E Lea County, NM

API 30-025-NA

Item XIII: Notification Receipts

Page 1
BLM



October 13, 2017

Dear Customer:

The following is the proof-of-delivery for tracking number **770457791032**.

Delivery Information:

Status:	Delivered	Delivered to:	Receptionist/Front Desk
Signed for by:	T. NORRIS	Delivery location:	620 E GREENE ST CARLSBAD, NM 88220
Service type:	FedEx Express Saver	Delivery date:	Oct 11, 2017 11:02
Special Handling:	Deliver Weekday		



Shipping Information:

Tracking number:	770457791032	Ship date:	Oct 10, 2017
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Recipient:
Bureau of Land Management
620 E GREENE ST
CARLSBAD, NM 88220 US

Shipper:
Deborah Havenor
904 Moore Ave
Roswell, NM 88201 US

Mesquite SWD, Inc.
Trey SWD #1
200' FNL & 200' FEL
Sec. 21, T23S-R32E Lea County, NM

API 30-025-NA

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COG



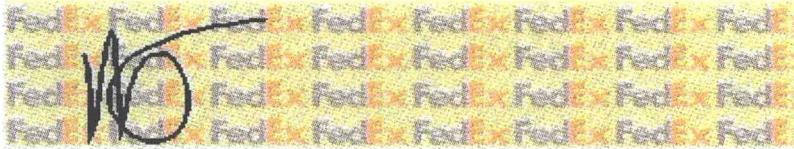
October 13, 2017

Dear Customer:

The following is the proof-of-delivery for tracking number **770460844448**.

Delivery Information:

Status:	Delivered	Delivered to:	Receptionist/Front Desk
Signed for by:	M. SIMMIONS	Delivery location:	600 W ILLINOIS MIDLAND, TX 79701
Service type:	FedEx Express Saver	Delivery date:	Oct 11, 2017 10:20
Special Handling:	Deliver Weekday		



Shipping Information:

Tracking number:	770460844448	Ship date:	Oct 10, 2017
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Recipient:
COG Operating, LLC
600 W ILLINOIS AVE
MIDLAND, TX 79701 US

Shipper:
Deborah Havenor
904 Moore Ave
Roswell, NM 88201 US

Mesquite SWD, Inc.
Trey SWD #1
200' FNL & 200' FEL
Sec. 21, T23S-R32E Lea County, NM

API 30-025-NA

Page 3

Devon



October 13, 2017

Dear Customer:

The following is the proof-of-delivery for tracking number **770460929911**.

Delivery Information:

Status:	Delivered	Delivered to:	Shipping/Receiving
Signed for by:	F. WELLS	Delivery location:	333 W SHERIDAN AVE OKLAHOMA CITY, OK 73102
Service type:	FedEx Express Saver	Delivery date:	Oct 13, 2017 10:51
Special Handling:	Deliver Weekday		



Shipping Information:

Tracking number:	770460929911	Ship date:	Oct 10, 2017
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Recipient:
Devon Energy Corporation
333 W SHERIDAN AVE
OKLAHOMA CITY, OK 73102 US

Shipper:
Deborah Havenor
904 Moore Ave
Roswell, NM 88201 US

Mesquite SWD, Inc.
Trey SWD #1
200' FNL & 200' FEL
Sec. 21, T23S-R32E Lea County, NM

API 30-025-NA

Tray



October 13, 2017

Dear Customer:

The following is the proof-of-delivery for tracking number **770457930389**.

Delivery Information:

Status:	Delivered	Delivered to:	Receptionist/Front Desk
Signed for by:	K.NAVARO	Delivery location:	4304 MONICA LN CARLSBAD, NM 88220
Service type:	FedEx Express Saver	Delivery date:	Oct 11, 2017 15:34
Special Handling:	Deliver Weekday		



Shipping Information:

Tracking number:	770457930389	Ship date:	Oct 10, 2017
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Recipient:
Hughes Properties, LLC
4304 MONICA LN
CARLSBAD, NM 88220 US

Shipper:
Deborah Havenor
904 Moore Ave
Roswell, NM 88201 US

Kay C. Havenor

Office: 575-626-4518
e-mail: Kay.Havenor@Gmail.com
904 Moore Ave
Roswell, New Mexico 88201-1144

RECEIVED OCD

2017 OCT 18 P 3: 56

October 10 , 2017

New Mexico OCD
Attn: Mr. Michael McMillan
1220 South St. Francis Dr.
Santa Fe, NM 81505

Re: Mesquite SWD, Inc.
Trey SWD #1
Sec 21, T23S-R32E, Lea Co., NM
C-108 application

Dear Mr. McMillan:

Casing depths in this well are planned to insure there will be no hydrologic connection between underground sources of drinking water and the injection zone.

I have been unable to locate Wolfcamp water samples in this township.

Respectfully submitted,



Kay Havenor, PhD, PG
Agent on behalf of Mesquite SWD, Inc.



C-108 Review Checklist: Received 10/18/2017 Add. Request: 10/18/2017 Reply Date: 10/20/2017 Suspended: _____ [Ver 15]

ORDER TYPE: WFX / PMX / SWD Number: 1695 Order Date: _____ Legacy Permits/Orders: _____

Well No. 1 Well Name(s): Trey SWD

API: 30-0 2 S-Pending Spud Date: TBD New or Old: N (UIC Class II Primacy 03/07/1982)

Footages 200FNL Lot _____ or Unit A Sec 21 Tsp 23S Rge 32E County Leq

General Location: 2.2 miles SW of Bance Pool: SWD) Devonian-Silurian Pool No.: 47865
 BLM 100K Map: JA1 Operator: mesquite SWD, Inc OGRID: 161968 Contact: KAY HAVENON'S AGENT

COMPLIANCE RULE 5.9: Total Wells: 27 Inactive: 2 Fincl Assur: OK Compl. Order? N/A IS 5.9 OK? Y Date: 11-03-2017

WELL FILE REVIEWED Current Status: Proposed

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

Planned Rehab Work to Well: _____

Well Construction Details	Sizes (in) Borehole / Pipe	Setting Depths (ft)	Cement Sx or Cf	Cement Top and Determination Method
Planned ___ or Existing <u>Surface</u>	<u>26" / 20"</u>	<u>680</u>	<u>650</u>	<u>SURFACE / VIS 44</u>
Planned ___ or Existing <u>Interm/Prod</u>	<u>17" / 13 3/4"</u>	<u>4400</u>	<u>1000</u>	<u>SURFACE / VIS 44</u>
Planned ___ or Existing <u>Interm/Prod</u>	<u>12 1/4" / 9 5/8"</u>	<u>4700</u>	<u>1800</u>	<u>SURFACE / VIS 44</u>
Planned ___ or Existing <u>Prod/Liner</u>	<u>8 1/2" / 7 5/8"</u>	<u>16737</u>	<u>2885</u>	<u>11650 / C-B-L</u>
Planned ___ or Existing <u>Liner</u>				
Planned ___ or Existing <u>OH / PERF</u>	<u>16737 / 1600</u>			

Injection Lithostratigraphic Units:	Depths (ft)	Injection or Confining Units	Tops	Completion/Operation Details:
Adjacent Unit: Litho. Struc. Por.		<u>DV</u>	<u>16737</u>	Drilled TD <u>18000</u> PBDT _____ @ <u>5 1/2"</u>
Confining Unit: Litho. Struc. Por.		<u>M.S</u>	<u>16150</u>	NEW TD _____ NEW PBDT _____ SURFACE
Proposed Inj Interval TOP:				NEW Open Hole <input checked="" type="radio"/> or NEW Perfs <input type="radio"/> 4 1/2" L
Proposed Inj Interval BOTTOM:				Tubing Size <u>A</u> in. Inter Coated? _____
Confining Unit: Litho. Struc. Por.				Proposed Packer Depth <u>16737</u> ft
Adjacent Unit: Litho. Struc. Por.				Min. Packer Depth <u>16667</u> (100-ft limit)
				Proposed Max. Surface Press. <u>3347</u> psi
				Admin. Inj. Press. <u>3347</u> (0.2 psi per ft)

AOR: Hydrologic and Geologic Information

POTASH: R-111-P N/A Noticed? _____ BLM Sec Ord _____ WIPP Noticed? _____ Salt/Salado T: 108 B: 4379 NW: Cliff House fm

FRESH WATER: Aquifer rustler 1? Chinle 400/1350 HYDRO AFFIRM STATEMENT By Qualified Person

NMOSE Basin: CANUSA 2 CAPITAN REEF: thru adj NA No. Wells within 1-Mile Radius? 2 FW Analysis _____

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

Disposal Int: Inject Rate (Avg/Max BWPD): 20K/25K Protectable Waters? _____ Source: _____ System: Closed or Open

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

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

Penetrating Wells: No. Active Wells 0 Num Repairs? _____ on which well(s)? _____ Diagrams? _____

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

NOTICE: Newspaper Date October 11, 2017 Mineral Owner BZ Surface Owner Hughes Properties N. Date October 11, 2017

RULE 26.7(A): Identified Tracts? Y Affected Persons: Devon, CO N. Date October 11, 2017

Order Conditions: Issues: C-B-L b/w Intermediate CASING &

Add Order Cond: _____