

RECEIVED: 2/26/2019	REVIEWER: MAM	TYPE: SWD	APP NO: PMAM19063 50121
------------------------	------------------	--------------	----------------------------

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: Permian Oilfield Partners, LLC.	OGRID Number: 328259
Well Name: Screaming Vacuum Federal SWD #1	API: 30-025-Pending
Pool: SWD; Devonian-Silurian	Pool Code: 97869

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

- 1) **TYPE OF APPLICATION:** Check those which apply for [A]
- A. Location – Spacing Unit – Simultaneous Dedication
- ☐ NSL ☐ NSP (PROJECT AREA) ☐ NSP (PRORATION UNIT) ☐ SD
- B. Check one only for [I] or [II]
- [I] Commingling – Storage – Measurement
- ☐ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM
- [II] Injection – Disposal – Pressure Increase – Enhanced Oil Recovery
- ☐ WFX ☐ PMX ☒ SWD ☐ IPI ☐ EOR ☐ PPR

- 2) **NOTIFICATION REQUIRED TO:** Check those which apply.
- A. ☒ Offset operators or lease holders
- B. ☐ Royalty, overriding royalty owners, revenue owners
- C. ☒ Application requires published notice
- D. ☐ Notification and/or concurrent approval by SLO
- E. ☒ Notification and/or concurrent approval by BLM
- F. ☒ Surface owner
- G. ☒ For all of the above, proof of notification or publication is attached, and/or,
- H. ☐ No notice required

FOR OCD ONLY

- ☐ Notice Complete

☐ Application Content Complete

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

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

Gary Fisher

Print or Type Name

Gary E. Fisher

Signature

02/22/2019

Date

(817) 606-7630

Phone Number

gfisher@permianoilfieldpartners.com

e-mail Address



APPLICATION CANCELLED*

APPLICANT: Permian Oilfield Partners, LLC

APPLICATION TYPE: SUD

WELL NAME: Screaming Vacuum SUD#1

API NUMBER: 30-025-Pending

ADMIN. APPL. NO.: PMAM 19063 50121

UL-S-T-R: E-15-255-32E

REASON FOR CANCELLATION:

Withdrawn

Make sure to confirm application status in E-permitting and applicant is notified by e-mail; attach copy of e-mail to this package.

*Also inferred to be the following:

- Denied
- Rebuffed
- Refuted
- Controverted
- Vetoed
- Spurned
- ☒ Recanted
- Rejected
- Negated

McMillan, Michael, EMNRD

From: Gary Fisher <gfisher@permianoilfieldpartners.com>
Sent: Sunday, March 17, 2019 5:23 PM
To: McMillan, Michael, EMNRD
Subject: [EXT] Permian Oilfield Partners Screaming Vacuum #1, withdraw application

Due to the recent approval of the offsetting Mesquite Mel SWD #1, Permian Oilfield Partners would like to withdraw our C-108 Application to Inject for the Screaming Vacuum #1 in Sect. 15, T25S, R32E.

Thank you,

Gary Fisher
Permian Oilfield Partners, LLC
PO Box 1220
Stephenville, TX 76401
(817)606-7630



APPLICATION PROTESTED

APPLICANT: Permian Oilfield Partners, LLC

APPLICATION TYPE: SUD

WELL NAME: Screaming Vengeance ^{Federal} SUD well no. 1

API NUMBER: 30

ADMIN. APPL. NO.: _____

UL-S-T-R: E-15 255-32E

PROTESTANT: Devon Energy Production Company LP

DATE PROTEST RECEIVED: MARCH 13, 2017

DATE AND METHOD OF NOTIFICATION OF APPLICANT:

MARCH 15, 2017 E-mail

RESOLUTION:

- ☐ Hearing
☐ Negotiated/Withdrawn
☐ Denied/Cancelled by Division

NOTES/COMMENTS:

Make sure to confirm application status in E-permitting
and entered into Protest Tracking Spreadsheet

McMillan, Michael, EMNRD

From: McMillan, Michael, EMNRD
Sent: Friday, March 15, 2019 8:38 AM
To: 'Gary Fisher'
Cc: Jones, William V, EMNRD; Lowe, Leonard, EMNRD; Goetze, Phillip, EMNRD; Mike Feldewert; Murphy, Kathleen A, EMNRD
Subject: Notification of Protest for Application to Inject Screaming Vacuum Federal SWD Well No. 1 OXY USA Inc
Attachments: PermianOilField ScreamingVacuum DevonProtest.pdf

RE: Screaming Vacuum Federal SWD Well No. 1 (API 30-025-Pending; Admin. pMAM1906350121) Unit E; Sec 15, T25S, R32E, NMPM, Lea County

Mr. Wood:

OCD was notified by Devon Energy Production Company LP that it is protesting this application. This party is identified as an affected person for the location being considered for the application. You are being notified that if Permian Oilfield Partners LLC wishes for this application to be considered, they must either go to hearing or may be reviewed administratively if the protest is withdrawn as a result of a negotiated resolution with this party. The application will be retained pending resolution of the protest. Please continue to provide OCD with information regarding the standing of this application. Please me call with any questions on this matter.

Contact for Devon Energy Production Company LP

Michael Feldewert
Lawyer
Holland and Hart
110 N Guadalupe
Santa Fe, NM 87501
Phone: 505.988.4421
E-mail: MFeldewert@hollandhart.com


Michael McMillan
1220 South St. Francis
Santa Fe, New Mexico
505-476-3448
Michael.mcmillan@state.nm.us

McMillan, Michael, EMNRD

From: Michael Feldewert <MFeldewert@hollandhart.com>
Sent: Wednesday, March 13, 2019 11:08 AM
To: Goetze, Phillip, EMNRD; McMillan, Michael, EMNRD; Brooks, David K, EMNRD; Davidson, Florene, EMNRD
Cc: Adam Rankin
Subject: [EXT] Devon Energy Objection to Permian Oilfield Partners Screaming Vacuum Fed SWD No. 1
Attachments: Permian Oilfield Screaming Vacuum Fed SWD 1.pdf

Devon Energy Production Company hereby files an objection to the attached administrative application for the proposed Screaming Vacuum Federal SWD #1.

Michael H. Feldewert
Partner, Holland & Hart LLP
110 N Guadalupe St, Suite A, Santa Fe, NM 87501
T 505.988.4421

HOLLAND&HART 



CONFIDENTIALITY NOTICE: This message is confidential and may be privileged. If you believe that this email has been sent to you in error, please reply to the sender that you received the message in error; then please delete this e-mail.

APPLICATION FOR AUTHORIZATION TO INJECT

- I. **PURPOSE:** **Produced Water Disposal**
Application qualifies for administrative approval? **Yes**
- II. **OPERATOR:** **Permian Oilfield Partners, LLC.**
ADDRESS: **P.O. Box 1220, Stephenville, TX. 76401**
CONTACT PARTY: **Gary Fisher** **PHONE:** **(817) 606-7630**
- 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? **No**
- V. Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-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: **Gary Fisher**

TITLE: **Manager**

SIGNATURE: 

DATE: **02/23/2019**

E-MAIL ADDRESS: **gfisher@permianoilfieldpartners.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.

Additional Data

1. **Is this a new well drilled for injection?**
Yes
2. **Name of the Injection Formation:**
Devonian: Open Hole Completion
3. **Name of Field or Pool (if applicable):**
SWD; Devonian-Silurian
4. **Has the well ever been perforated in any other zone(s)?**
No: New Drill for Injection of Produced Water
5. **Give the name and depths of any oil or gas zones underlying or overlying the proposed Injection zone in this area:**

Overlying Potentially Productive Zones:
Delaware, Bone Spring, Wolfcamp, Strawn, Atoka & Morrow Tops all above 14,888'

Underlying Potentially Productive Zones:
None

WELL CONSTRUCTION DATA

Permian Oilfield Partners, LLC.
Screaming Vacuum Federal SWD #1
1425' FNL, 810' FWL
Sec. 15, T25S, R32E, Lea Co. NM
Lat 32.133824° N, Lon 103.668832° W
GL 3441', RKB 3471'

Surface - (Conventional)

Hole Size: 26" Casing: 20" - 94# H-40 STC Casing
Depth Top: Surface
Depth Btm: 794'
Cement: 495 sks - Class C + Additives
Cement Top: Surface - (Circulate)

Intermediate #1 - (Conventional)

Hole Size: 17.5" Casing: 13.375" - 54.5# J-55 & 61# J-55 STC Casing
Depth Top: Surface
Depth Btm: 4663'
Cement: 1521 sks - Lite Class C (50:50:10) + Additives
Cement Top: Surface - (Circulate)

Intermediate #2 - (Conventional)

Hole Size: 12.25" Casing: 9.625" - 40# L-80 & 40# HCL-80 BTC Casing
Depth Top: Surface
Depth Btm: 11873' ECP/DV Tool: 4763'
Cement: 2034 sks - Lite Class C (60:40:0) + Additives
Cement Top: Surface - (Circulate)

Intermediate #3 - (Liner)

Hole Size: 8.5" Casing: 7.625" - 39# HCL-80 FJ Casing
Depth Top: 11673'
Depth Btm: 17087'
Cement: 258 sks - Lite Class C (60:40:0) + Additives
Cement Top: 11673' - (Volumetric)

Intermediate #4 - (Open Hole)

Hole Size: 6.5" Depth: 19263'
Inj. Interval: 17087' - 19263' (Open-Hole Completion)

Tubing - (Tapered)

Tubing Depth: 17042' Tubing: 7" - 26# HCP-110 FJ Casing & 5.5" 17# HCL-80
X/O Depth: 11673' FJ Casing (Fiberglass Lined)
X/O: 7" 26# HCP-110 FJ Casing - X - 5.5" 17# HCL-80 FJ Casing (Fiberglass Lined)
Packer Depth: 17052' Packer: 5.5" - "Perma-Pak" or Equivalent (Inconel)

WELLBORE SCHEMATIC

Permian Oilfield Partners, LLC.
Screaming Vacuum Federal SWD #1
1425' FNL, 810' FWL
Sec. 15, T25S, R32E, Lea Co. NM
Lat 32.133824° N, Lon 103.668832° W
GL 3441', RKB 3471'

Surface - (Conventional)

Hole Size: 26"
Casing: 20" - 94# H-40 STC Casing
Depth Top: Surface
Depth Btm: 794'
Cement: 495 sks - Class C + Additives
Cement Top: Surface - (Circulate)

Intermediate #1 - (Conventional)

Hole Size: 17.5"
Casing: 13.375" - 54.5# J-55 & 61# J-55 STC Casing
Depth Top: Surface
Depth Btm: 4663'
Cement: 1521 sks - Lite Class C (50:50:10) + Additives
Cement Top: Surface - (Circulate)

Intermediate #2 - (Conventional)

Hole Size: 12.25"
Casing: 9.625" - 40# L-80 & 40# HCL-80 BTC Casing
Depth Top: Surface
Depth Btm: 11873'
Cement: 2034 sks - Lite Class C (60:40:0) + Additives
Cement Top: Surface - (Circulate)
ECP/DV Tool: 4763'

Intermediate #3 - (Liner)

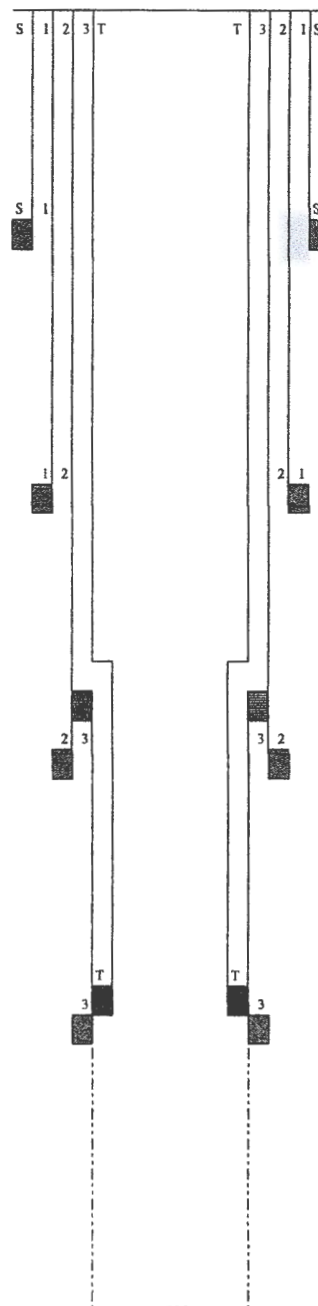
Hole Size: 8.5"
Casing: 7.625" - 39# HCL-80 FJ Casing
Depth Top: 11673'
Depth Btm: 17087'
Cement: 258 sks - Lite Class C (60:40:0) + Additives
Cement Top: 11673' - (Volumetric)

Intermediate #4 - (Open Hole)

Hole Size: 6.5"
Depth: 19263'
Inj. Interval: 17087' - 19263' (Open-Hole Completion)

Tubing - (Tapered)

Tubing Depth: 17042'
Tubing: 7" - 26# HCP-110 FJ Casing & 5.5" 17# HCL-80 FJ Casing (Fiberglass Lined)
X/O Depth: 11673'
X/O: 7" 26# HCP-110 FJ Casing - X - 5.5" 17# HCL-80 FJ Casing (Fiberglass Lined)
Packer Depth: 17052'
Packer: 5.5" - "Perma-Pak" or Equivalent (Inconel)



DISTRICT I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

DISTRICT II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720

DISTRICT III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170

DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name
Property Code	Property Name SCREAMING VACUUM FEDERAL SWD	Well Number 1
OGRID No.	Operator Name PERMIAN OILFIELD PARTNERS, LLC	Elevation 3441'

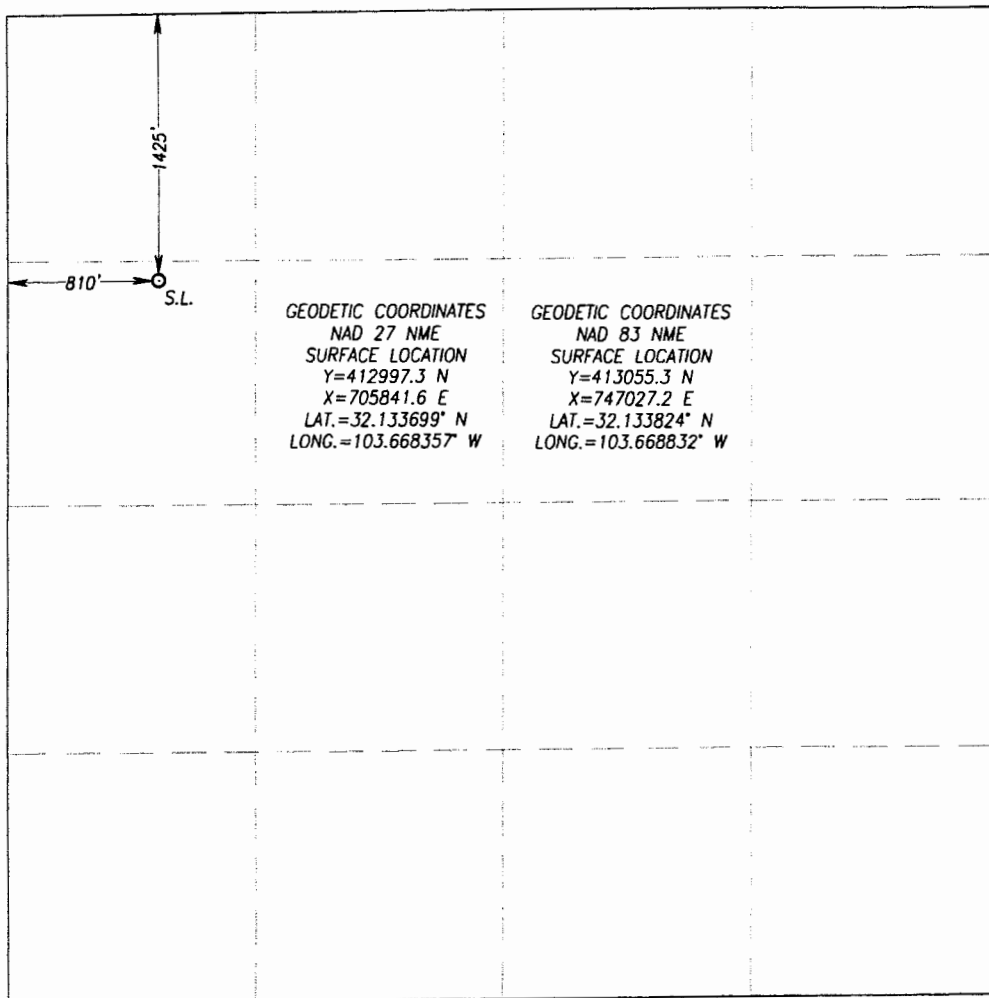
Surface Location

UL or lot No. E	Section 15	Township 25-S	Range 32-E	Lot Idn	Feet from the 1425	North/South line NORTH	Feet from the 810	East/West line WEST	County LEA
---------------------------	----------------------	-------------------------	----------------------	---------	------------------------------	----------------------------------	-----------------------------	-------------------------------	----------------------

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres	Joint or Infill	Consolidation Code	Order No.						

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



OPERATOR CERTIFICATION

I hereby certify that the information herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Gary E. Fisher 2/22/19
Signature Date

Gary E. Fisher
Printed Name

gfisher@permianoilfieldpartners.com
Email Address

SURVEYOR CERTIFICATION

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

JANUARY 31, 2019

Date of Survey
Signature & Seal of Professional Surveyor:

Ronald J. Eidson
NEW MEXICO
REGISTERED SURVEYOR
3239
2/19/2019

Certificate Number
Gary E. Eidson 12641
Ronald J. Eidson 3239

ACK JWSC W.O.: 19.11.0089

DISTRICT I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

DISTRICT II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720

DISTRICT III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170

DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

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

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number		Pool Code	Pool Name
Property Code	Property Name SCREAMING VACUUM FEDERAL SWD		Well Number 1
OGRID No.	Operator Name PERMIAN OILFIELD PARTNERS, LLC		Elevation 3441'

Surface Location

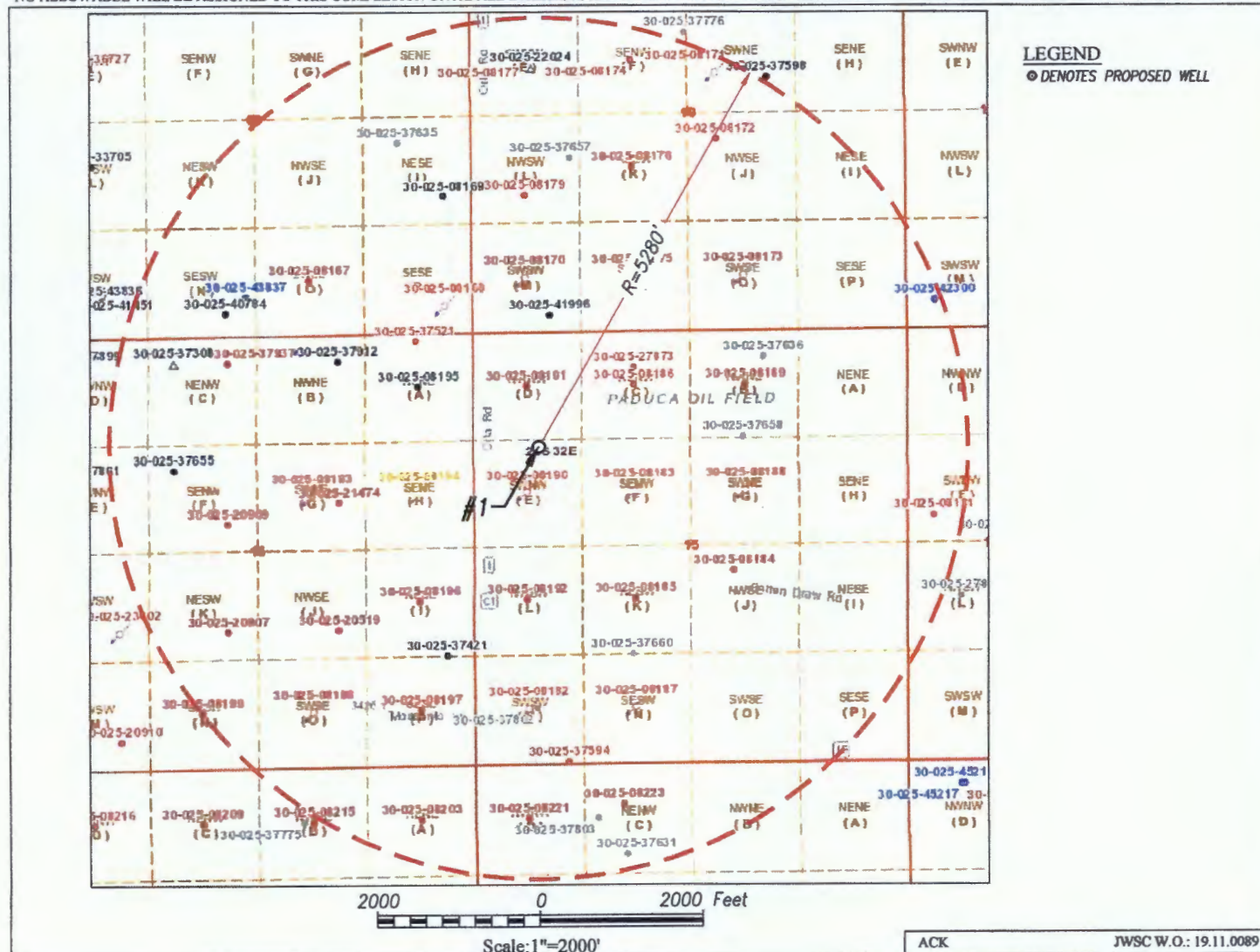
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	15	25-S	32-E		1425	NORTH	810	WEST	LEA

Bottom Hole Location If Different From Surface

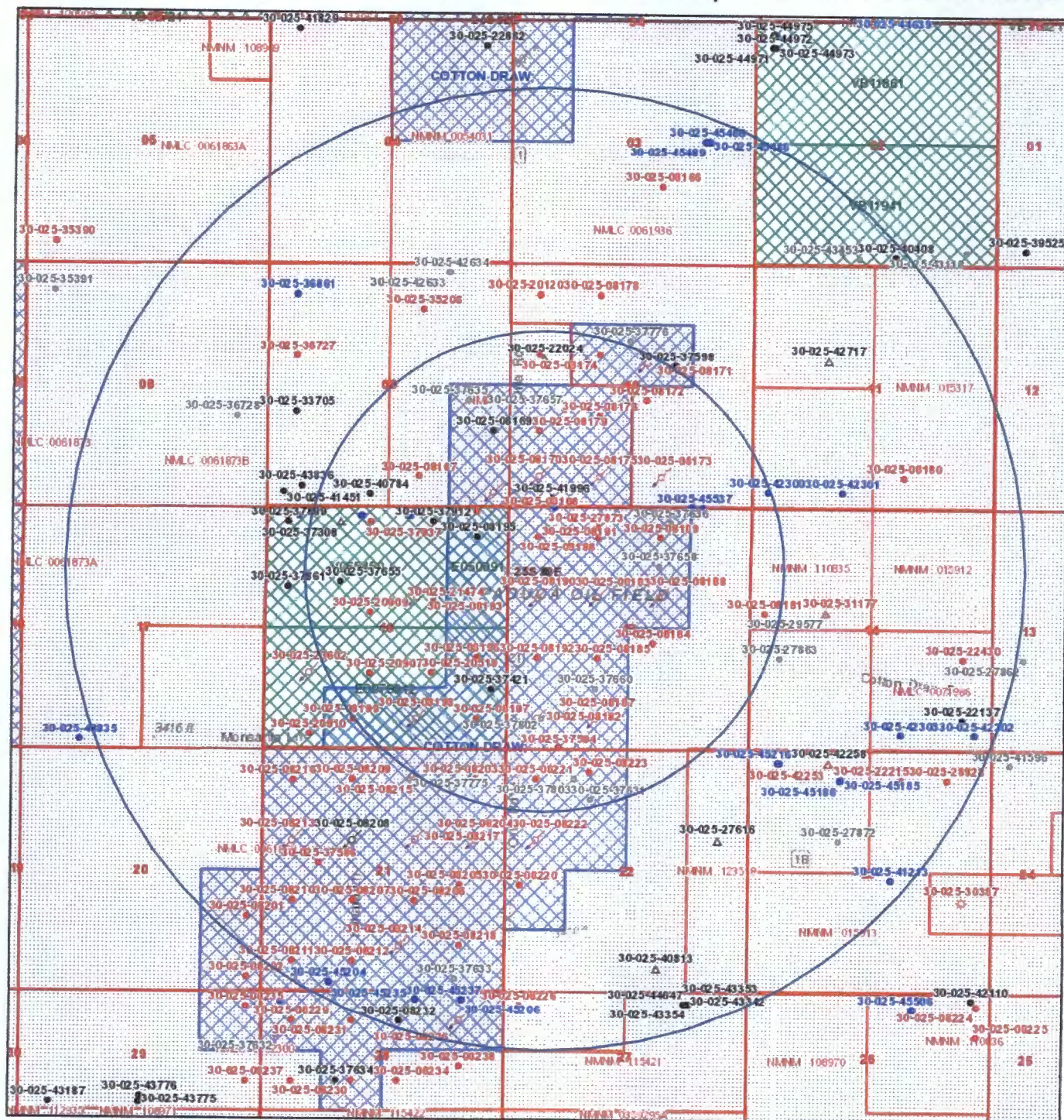
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.

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



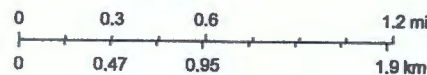
Screaming Vacuum Federal SWD #1 - 2 Mile Map w/1 Mile Area of Review



2/23/2019, 12:09:29 AM

- Override 1**
- Well Locations - Small Scale**
- Active
 - New
 - Plugged
 - Cancelled
 - Temporarily Abandoned
- Well Locations - Large Scale**
- Miscellaneous
 - CO2 Active
 - CO2 Cancelled
 - CO2 New
 - CO2, Plugged
 - CO2, Temporarily Abandoned
- Legend**
- Gas Active
 - Gas, Cancelled, Never Drilled
 - Gas, New
 - Gas, Plugged
 - Gas, Temporarily Abandoned
 - Injection, Active
 - Injection, Cancelled
 - Injection, New
 - Injection, Plugged
 - Injection, Temporarily Abandoned
 - Oil, Active
 - Oil, Cancelled
 - Oil, New
 - Oil, Plugged
 - Oil, Temporarily Abandoned
 - Salt Water Injection, Active
 - Salt Water Injection, Cancelled
 - Salt Water Injection, New
 - Salt Water Injection, Plugged
 - Salt Water Injection Temporarily Abandoned
 - Water, Active
 - Water, Cancelled
 - Water, New
 - Water, Plugged
 - Water, Temporarily Abandoned
 - PLSS First Division

1:30,000



US Census Bureau, NMDOT, Sources: Eari, HERE, Garmin, Intermap, Increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, © OpenStreetMap contributors,

Screaming Vacuum Federal SWD #1 - Wells within 1 Mile Area Of Review

API Number	Current Operator	Well Name	Well Number	Well Type	Well Direction	Well Status	Section	Township	Range	OCB Unit Letter	Surface Location	Bathymetry Location	Formation	MD	TVD
3002545531	CHEVRON U S A INC	CO YETI 15 22 FEDERAL COM	051H	Oil	Horizontal	New (Not Drilled/Completed)	15	25S	32E	B	B-15-25S-32E 10 FNL 1335 FEL	D-22-25S-32E 100 FNL 2090 FEL	BONE SPRING	21175	10623
3002545533	CHEVRON U S A INC	CO YETI 15 22 FEDERAL COM	053H	Oil	Horizontal	New (Not Drilled/Completed)	15	25S	32E	A	A-15-25S-32E 10 FNL 1285 FEL	P-22-25S-32E 100 FNL 1210 FEL	BONE SPRING	20945	10445
3002545534	CHEVRON U S A INC	CO YETI 15 22 FEDERAL COM	053H	Oil	Horizontal	New (Not Drilled/Completed)	15	25S	32E	A	A-15-25S-32E 10 FNL 1310 FEL	O-22-25S-32E 100 FNL 2090 FEL	UPPER WOLF CAMP	22614	12056
3002545535	CHEVRON U S A INC	CO YETI 15 22 FEDERAL COM	053H	Oil	Horizontal	New (Not Drilled/Completed)	15	25S	32E	A	A-15-25S-32E 10 FNL 1235 FEL	P-22-25S-32E 100 FNL 330 FEL	BONE SPRING	21194	10623
3002545536	CHEVRON U S A INC	CO YETI 15 22 FEDERAL COM	056H	Oil	Horizontal	New (Not Drilled/Completed)	15	25S	32E	A	A-15-25S-32E 10 FNL 1210 FEL	P-22-25S-32E 100 FNL 330 FEL	UPPER WOLF CAMP	22660	12094
3002545537	CHEVRON U S A INC	CO YETI 15 22 FEDERAL COM	054H	Oil	Horizontal	New (Not Drilled/Completed)	15	25S	32E	A	A-15-25S-32E 10 FNL 1260 FEL	P-22-25S-32E 100 FNL 1210 FEL	UPPER WOLF CAMP	22541	12053
3002540784	CIMAREX ENERGY CO	COTTON DRAW 9L FEDERAL	002H	Oil	Horizontal	Active	9	25S	32E	N	M-09-25S-32E 280 FSL 2290 FWL	C-09-25S-32E 336 FNL 2182 FWL	BONE SPRING	16265	11846
3002542300	CIMAREX ENERGY CO	FUGGLES 11 FEDERAL COM	001H	Oil	Horizontal	New (Not Drilled/Completed)	11	25S	32E	M	M-11-25S-32E 330 FSL 350 FWL	D-11-25S-32E 330 FNL 370 FWL	UPPER BONE SPR	13897	9484
3002543837	CIMAREX ENERGY CO	COTTON DRAW 9L FEDERAL	005H	Oil	Horizontal	Active	9	25S	32E	N	M-09-25S-32E 470 FSL 2545 FWL	C-09-25S-32E 95 FNL 2121 FWL	BONE SPRING	15396	10529
3002508172	DEVON ENERGY PRODUCTION COMPANY, LP	E F RAY B NCT-1	6	Oil	Vertical	Plugged (Site Released)	10	25S	32E	J	J-10-25S-32E 2309 FSL 2310 FEL	J-10-25S-32E 2309 FSL 2310 FEL	DELAWARE	4775	4775
3002508173	DEVON ENERGY PRODUCTION COMPANY, LP	E F RAY B NCT-1	1	Injection	Vertical	Plugged (Site Released)	10	25S	32E	O	O-10-25S-32E 660 FSL 1980 FEL	O-10-25S-32E 660 FSL 1980 FEL	DELAWARE	4800	4800
3002508184	DEVON ENERGY PRODUCTION COMPANY, LP	G E JORDAN NCT-1	10	Oil	Vertical	Plugged (Site Released)	15	25S	32E	J	J-15-25S-32E 2310 FSL 2130 FE	J-15-25S-32E 2310 FSL 2130 FEL	DELAWARE	4780	4780
3002541996	DEVON ENERGY PRODUCTION COMPANY, LP	COTTON DRAW UNIT	237H	Oil	Horizontal	Active	10	25S	32E	M	M-10-25S-32E 200 FSL 950 FWL	D-10-25S-32E 306 FNL 625 FWL	BONE SPRING	15355	10643
3002522024	MESQUITE SWD, INC	COTTON DRAW SWD	66	Salt Water Disposal	Vertical	Active	10	25S	32E	E	E-10-25S-32E 2080 FNL 760 FWL	E-10-25S-32E 2080 FNL 760 FWL	BELL CANYON-CHERRY CANYON	15769	15769
3002508170	OXY USA INC	COTTON DRAW UNIT	6	Injection	Vertical	Plugged (Site Released)	10	25S	32E	M	M-10-25S-32E 660 FSL 660 FWL	M-10-25S-32E 660 FSL 660 FWL	DELAWARE	4795	4795
3002508175	OXY USA INC	COTTON DRAW UNIT	19	Injection	Vertical	Plugged (Site Released)	10	25S	32E	N	N-10-25S-32E 660 FSL 1980 FWL	N-10-25S-32E 660 FSL 1980 FWL	DELAWARE	4771	4771
3002508183	OXY USA INC	COTTON DRAW UNIT	2	Injection	Vertical	Plugged (Site Released)	15	25S	32E	F	F-15-25S-32E 1980 FNL 1980 FWL	F-15-25S-32E 1980 FNL 1980 FWL	DELAWARE	4811	4811
3002508187	OXY USA INC	COTTON DRAW UNIT	11	Injection	Vertical	Plugged (Site Released)	15	25S	32E	N	N-15-25S-32E 660 FSL 1980 FWL	N-15-25S-32E 660 FSL 1980 FWL	DELAWARE	4727	4727
3002508190	OXY USA INC	COTTON DRAW UNIT	12	Injection	Vertical	Plugged (Site Released)	15	25S	32E	E	E-15-25S-32E 1980 FNL 660 FWL	E-15-25S-32E 1980 FNL 660 FWL	DELAWARE	4743	4743
3002508191	OXY USA INC	COTTON DRAW UNIT	20	Oil	Vertical	Plugged (Site Released)	15	25S	32E	D	D-15-25S-32E 660 FSL 660 FWL	D-15-25S-32E 660 FSL 660 FWL	DELAWARE	4745	4745
3002508192	OXY USA INC	COTTON DRAW UNIT	22	Oil	Vertical	Plugged (Site Released)	15	25S	32E	L	L-15-25S-32E 1980 FNL 660 FWL	L-15-25S-32E 1980 FNL 660 FWL	DELAWARE	4747	4747
3002508196	OXY USA INC	MOMASANTO STATE	1	Oil	Vertical	Plugged (Site Released)	16	25S	32E	I	I-16-25S-32E 1980 FNL 660 FWL	I-16-25S-32E 1980 FNL 660 FWL	DELAWARE	4774	4774
3002508197	OXY USA INC	MOMASANTO STATE	2	Oil	Vertical	Plugged (Site Released)	16	25S	32E	P	P-16-25S-32E 660 FSL 660 FWL	P-16-25S-32E 660 FSL 660 FWL	DELAWARE	4771	4771
3002508198	OXY USA INC	MOMASANTO STATE	3	Injection	Vertical	Plugged (Site Released)	16	25S	32E	O	O-16-25S-32E 660 FSL 1980 FWL	O-16-25S-32E 660 FSL 1980 FWL	DELAWARE	4736	4736
3002508199	OXY USA INC	MOMASANTO STATE	4	Oil	Vertical	Plugged (Site Released)	16	25S	32E	N	N-16-25S-32E 660 FSL 1980 FWL	N-16-25S-32E 660 FSL 1980 FWL	DELAWARE	4715	4715
3002508203	OXY USA INC	COTTON DRAW UNIT	25	Oil	Vertical	Plugged (Site Released)	21	25S	32E	A	A-21-25S-32E 660 FNL 660 FEL	A-21-25S-32E 660 FNL 660 FEL	DELAWARE	4790	4790
3002508221	OXY USA INC	COTTON DRAW UNIT	4	Oil	Vertical	Plugged (Site Released)	22	25S	32E	D	D-22-25S-32E 660 FNL 660 FWL	D-22-25S-32E 660 FNL 660 FWL	DELAWARE	4760	4760
3002520519	OXY USA INC	MOMASANTO STATE	5	Oil	Vertical	Plugged (Site Released)	16	25S	32E	J	J-16-25S-32E 1650 FSL 1650 FEL	J-16-25S-32E 1650 FSL 1650 FEL	DELAWARE	4792	4792
3002520907	OXY USA INC	MOMASANTO STATE	6	Oil	Vertical	Plugged (Site Released)	16	25S	32E	K	K-16-25S-32E 1650 FSL 2310 FWL	K-16-25S-32E 1650 FSL 2310 FWL	DELAWARE	4739	4739
3002527873	OXY USA INC	COTTON DRAW UNIT	75	Oil	Vertical	Plugged (Site Released)	15	25S	32E	C	C-15-25S-32E 455 FNL 1980 FWL	C-15-25S-32E 455 FNL 1980 FWL	DELAWARE	4750	4750
3002537521	OXY USA INC	COTTON DRAW UNIT	92	Oil	Vertical	Plugged (Site Released)	16	25S	32E	A	A-16-25S-32E 100 FNL 700 FEL	A-16-25S-32E 100 FNL 700 FEL	DELAWARE; [96802] SWD	4940	4940
3002537594	OXY USA INC	COTTON DRAW UNIT	96	Oil	Vertical	Plugged (Site Released)	15	25S	32E	M	M-15-25S-32E 10 FSL 1150 FWL	M-15-25S-32E 10 FSL 1150 FWL	DELAWARE	4950	4950
3002508174	POGO PRODUCING CO	COTTON DRAW UNIT	33	Oil	Vertical	Plugged (Site Released)	10	25S	32E	F	F-10-25S-32E 1980 FNL 1980 FWL	F-10-25S-32E 1980 FNL 1980 FWL	DELAWARE	4791	4791
3002508176	POGO PRODUCING CO	COTTON DRAW UNIT	94	Oil	Vertical	Plugged (Site Released)	10	25S	32E	K	K-10-25S-32E 1980 FNL 1980 FWL	K-10-25S-32E 1980 FNL 1980 FWL	DELAWARE	4787	4787
3002537631	POGO PRODUCING COMPANY LLC	COTTON DRAW UNIT	27	Oil	Vertical	Cancelled APD	22	25S	32E	C	C-22-25S-32E 1100 FNL 1840 FWL	n/a	n/a	5000	5000
3002537635	POGO PRODUCING COMPANY LLC	COTTON DRAW UNIT	103	Oil	Vertical	Cancelled APD	9	25S	32E	I	I-09-25S-32E 2310 FSL 890 FEL	n/a	n/a	5000	5000
3002537636	POGO PRODUCING COMPANY LLC	COTTON DRAW UNIT	104	Oil	Vertical	Cancelled APD	15	25S	32E	B	B-15-25S-32E 330 FNL 1750 FEL	n/a	n/a	5000	5000
3002537657	POGO PRODUCING COMPANY LLC	COTTON DRAW UNIT	91	Oil	Vertical	Cancelled APD	10	25S	32E	L	L-10-25S-32E 2100 FSL 1210 FWL	n/a	n/a	5000	5000
3002537658	POGO PRODUCING COMPANY LLC	COTTON DRAW UNIT	93	Oil	Vertical	Cancelled APD	15	25S	32E	B	B-15-25S-32E 1310 FNL 2000 FEL	n/a	n/a	5000	5000
3002537660	POGO PRODUCING COMPANY LLC	COTTON DRAW UNIT	95	Oil	Vertical	Cancelled APD	15	25S	32E	N	N-15-25S-32E 1310 FSL 1930 FWL	n/a	n/a	5000	5000
3002537802	POGO PRODUCING COMPANY LLC	COTTON DRAW UNIT	107	Oil	Vertical	Cancelled APD	15	25S	32E	M	M-15-25S-32E 660 FSL 760 FWL	n/a	n/a	5000	5000
3002537803	POGO PRODUCING COMPANY LLC	COTTON DRAW UNIT	108	Oil	Vertical	Cancelled APD	22	25S	32E	C	C-22-25S-32E 660 FNL 1500 FWL	n/a	n/a	5000	5000
3002508177	PRE-ONGARD WELL OPERATOR	PRE-ONGARD WELL	2	Oil	Vertical	Plugged (Site Released)	10	25S	32E	E	E-10-25S-32E 1980 FNL 660 FWL	n/a	n/a	4850	4850
3002508181	PRE-ONGARD WELL OPERATOR	PRE-ONGARD WELL	1	Oil	Vertical	Plugged (Site Released)	14	25S	32E	E	E-14-25S-32E 2310 FNL 330 FWL	n/a	n/a	4843	4843
300250909	PRE-ONGARD WELL OPERATOR	PRE-ONGARD WELL	3	Oil	Vertical	Plugged (Site Released)	16	25S	32E	F	F-16-25S-32E 2310 FNL 2310 FWL	n/a	n/a	4700	4700
3002521474	PRE-ONGARD WELL OPERATOR	PRE-ONGARD WELL	1	Oil	Vertical	Plugged (Site Released)	16	25S	32E	G	G-16-25S-32E 2080 FNL 1650 FEL	n/a	n/a	4714	4714
3002537308	PRIDE ENERGY COMPANY	PADUCA DELAWARE 16 STATE	2	Salt Water Disposal	Vertical	Active	16	25S	32E	C	C-16-25S-32E 330 FNL 1650 FWL	C-16-25S-32E 330 FNL 1650 FWL	DELAWARE	4850	4850
3002537355	PRIDE ENERGY COMPANY	PADUCA DELAWARE 16 STATE	2	Oil	Vertical	Active	16	25S	32E	C	F-16-25S-32E 1650 FNL 1650 FWL	F-16-25S-32E 1650 FNL 1650 FWL	DELAWARE	4890	4890
3002537912	PRIDE ENERGY COMPANY	PADUCA DELAWARE 16 STATE	5	Oil	Vertical	Active	16	25S	32E	B	B-16-25S-32E 330 FNL 1650 FEL	B-16-25S-32E 330 FNL 1650 FEL	DELAWARE	4850	4850
3002537937	PRIDE ENERGY COMPANY	PADUCA DELAWARE 16 STATE	8	Oil	Vertical	Plugged (Site Released)	16	25S	32E	C	C-16-25S-32E 330 FNL 2310 FWL	C-16-25S-32E 330 FNL 2310 FWL	n/a	4850	4850
3002544450	PRIDE ENERGY COMPANY	PADUCA 16 STATE	202H	Oil	Horizontal	New (Not Drilled/Completed)	16	25S	32E	B	B-16-25S-32E 200 FNL 2150 FEL	O-16-25S-32E 330 FSL 1680 FEL	DELAWARE	13208	8500
3002544452	PRIDE ENERGY COMPANY	PADUCA 16 STATE	502H	Oil	Horizontal	New (Not Drilled/Completed)	16	25S	32E	B	B-16-25S-32E 200 FNL 2200 FEL	O-16-25S-32E 330 FSL 1680 FEL	BONE SPRING	15354	10600
3002544454	PRIDE ENERGY COMPANY	PADUCA 16 STATE	702H	Oil	Horizontal	New (Not Drilled/Completed)	16	25S	32E	B	B-16-25S-32E 200 FNL 2175 FEL	O-16-25S-32E 330 FSL 1680 FEL	UPPER WOLF CAMP	16803	12150
3002544490	PRIDE ENERGY COMPANY	PADUCA 16 STATE	203H	Oil	Horizontal	New (Not Drilled/Completed)	16	25S	32E	C	C-16-25S-32E 200 FNL 2119 FWL	N-16-25S-32E 330 FSL 2314 FWL	DELAWARE	13166	8475
3002544491	PRIDE ENERGY COMPANY	PADUCA 16 STATE	503H	Oil	Horizontal	New (Not Drilled/Completed)	16	25S	32E	C	C-16-25S-32E 200 FNL 2094 FWL	N-16-25S-32E 330 FSL 2314 FWL	BONE SPRING	15314	10575
3002544492	PRIDE ENERGY COMPANY	PADUCA 16 STATE	703H	Oil	Horizontal	New (Not Drilled/Completed)	16	25S	32E	C	C-16-25S-32E 200 FNL 2094 FWL	N-16-25S-32E 330 FSL 2314 FWL	UPPER WOLF CAMP	16766	12125
3002508169	SAHARA OPERATING CO	COTTON DRAW UNIT	52	Oil	Vertical	Active	9	25S	32E	I	I-09-25S-32E 1650 FSL 330 FEL	I-09-25S-32E 1650 FSL 330 FEL	DELAWARE	4829	4829
3002508194	SAHARA OPERATING CO	COTTON DRAW UNIT	3	Injection	Vertical	Expired TA	16	25S	32E	H	H-16-25S-32E 1980 FNL 660 FEL	H-16-25S-32E 1980 FNL 660 FEL	DELAWARE	4778	4778
3002508195	SAHARA OPERATING CO	COTTON DRAW UNIT	10	Oil	Vertical	Active	16	25S	32E	A	A-16-25S-32E 660 FNL 660 FEL	A-16-25S-32E 660 FNL 660 FEL	DELAWARE	4836	4836
3002537421	SAHARA OPERATING CO	MOMASANTO STATE	10	Oil	Vertical	Active	16	25S	32E	P	P-16-25S-32E 1310 FSL 330 FEL	P-16-25S-32E 1310 FSL 330 FEL	DELAWARE	5000	5000
3002508167	TEXACO EXPLORATION & PRODUCTION INC	COTTON DRAW UNIT	14	Oil	Vertical	Plugged (Site Released)	9	25S	32E	O	O-09-25S-32E 660 FSL 1980 FEL	O-09-25S-32E 0 FSL 1980 FEL	DELAWARE	4800	4800
3002508168	TEXACO EXPLORATION & PRODUCTION INC	COTTON DRAW UNIT	34	Injection	Vertical	Plugged (Site Released)	9	25S	32E	P	P-09-25S-32E 330 FSL 330 FE	P-09-25S-32E 0 FSL 330 FEL	DELAWARE	4850	4850
3002508171	TEXACO EXPLORATION & PRODUCTION INC	COTTON DRAW UNIT	60	Injection	Vertical	Plugged (Site Released)	10	25S	32E	G	G-10-25S-32E 2145 FNL 2310 FEL	G-10-25S-32E 2145 FNL 2310 FEL	DELAWARE	4896	4896
3002508179	TEXACO EXPLORATION & PRODUCTION INC	COTTON DRAW UNIT	41	Oil	Vertical	Plugged (Site Released)	10	25S	32E	L	L-10-25S-32E 1650 FSL 660 FWL	L-10-25S-32E 1650 FSL 660 FWL	DELAWARE	4825	4825
3002508182	TEXACO EXPLORATION & PRODUCTION INC	COTTON DRAW UNIT	1	Injection	Vertical	Plugged (Site Released)	15	25S	32E	M	M-15-25S-32E 660 FSL 660 FWL	M-15-25S-32E 660 FSL 660 FWL	DELAWARE	4805	4805
3002508185	TEXACO EXPLORATION & PRODUCTION INC	COTTON DRAW UNIT	8	Oil	Vertical	Plugged (Site Released)	15	25S	32E	K	K-15-25S-32E 1980 FNL 1980 FWL	K-15-25S-32E 1980 FNL 1980 FWL	DELAWARE	4730	4730
3002508186	TEXACO EXPLORATION & PRODUCTION INC	COTTON DRAW UNIT	5	Oil	Vertical	Plugged (Site Released)	15	25S	32E	C	C-15-25S-32E 660 FNL 1980 FWL	C-15-25S-32E 660 FNL 1980 FWL	DELAWARE	4851	4851
3002508188	TEXACO EXPLORATION & PRODUCTION INC	COTTON DRAW UNIT	17	Injection	Vertical	Plugged (Site Released)	15	25S	32E	G	G-15-25S-32E 1980 FNL 1980 FEL	G-15-25S-32E 1980 FNL 1980 FEL	DELAWARE	4774	4774
3002508189	TEXACO EXPLORATION & PRODUCTION														

Screaming Vacuum Federal SWD #1 - List of Operators Parties

Name	Address	Operator City, St, Zip
Chevron USA Inc	6301 Deauville Blvd	Midland, TX 79706
Cimarex Energy Co.	600 N. Marienfeld Street Suite 600	Midland, TX 79701
Devon Energy Production Company, LP	20 North Broadway	Oklahoma City, OK 73102
Mesquite SWD Inc.	P.O. Box 1479	Carlsbad, NM 88221
OXY USA Inc.	P.O. Box 4294	Houston, TX 77210
Pogo Producing Co.	P.O. Box 10340	Midland, TX 79702
Pogo Producing Company, LLC	700 Miliam Suite 1300	Houston, TX 77002
Pre-Ongard Well Operator	1220 S St Francis Dr	Santa Fe, NM 87505
Pride Energy Company	P.O. Box 701950	Tulsa, OK 74170
Sahara Operating Company	P.O. Box 4130	Midland, TX 79704
Texaco Exploration & Production, Inc.	P.O. Box 3109	Midland, TX 79702

Screaming Vacuum Federal SWD #1 - List of Leaseholders Notified

Name	Address	Operator City, St, Zip
Bureau of Land Management	620 E Greene St	Carlsbad, NM 88220
3-M ENERGY CO	502 South Koenigheim Street 2b	San Angelo, TX 76903
CHEVRON USA INC	6301 Deauville Blvd	Midland, TX 79706
DEVON ENERGY	20 North Broadway	Oklahoma City, OK 73102
DEVON ENERGY PROD CO LP	20 North Broadway	Oklahoma City, OK 73102
EOG Resources, Inc	P.O. Box 2267	Midland, TX 79702
LEGACY RESERVES OPERATING LP	303 W. Wall St., Suite 1800	Midland, TX 79701
MAGNUM HUNTER PRODUCTION INC	600 East Las Colinas Boulevard, Suite 1100	Irving, TX 75039
OXY USA Inc.	P.O. Box 4294	Houston, TX 77210
PADUCA PARTNERS LLC	530-B HARKLE RD. STE. 100	SANTA FE, NM 87505
Pride Energy Company	P.O. Box 701950	Tulsa, OK 74170
PROVIDENCE MINERALS LLC	16400 North Dallas Parkway, Suite 400	Dallas, Texas 75248
New Mexico State Land Office	2827 N Dal Paso St Suite 117	Hobbs, NM 88240

VI: There are no wells within the proposed wells area of review that penetrate the Devonian-Silurian Formation.

VII:

1. The average injected volume anticipated is 45,000 BWP
The maximum injected volume anticipated is 50,000 BWP
2. Injection will be through a closed system
3. The average injection pressure anticipated is 1950 psi
The proposed maximum injection pressure is 3411 psi
4. Disposal Sources will be produced waters from surrounding wells in the Delaware, Avalon, Bone Spring and Wolfcamp formations. These formation waters are known to be compatible with Devonian formation water. Representative area produced water analyses were sourced from Go-Tech's website and are listed below.

WELL NAME	FIGHTING OKRA 18 FEDERAL COM #001H	SALADO DRAW 6 FEDERAL #001H	RATTLESNAKE 13 12 FEDERAL COM #001H	SNAPPING 2 STATE #014H
api	3002540382	3002541293	3002540912	3001542688
latitude	32.0435333	32.0657196	32.0369568	32.06555986
longitude	-103.5164566	-103.5146942	-103.416214	-103.7413815
section	18	6	13	2
township	26S	26S	26S	26S
range	34E	34E	34E	31E
unit	E	M	P	P
ftgns	2590N	200S	330S	250S
ftgew	330W	875W	330E	330E
county	Lea	Lea	Lea	EDDY
state	NM	NM	NM	NM
formation	AVALON UPPER	BONE SPRING 3RD SAND	DELAWARE-BRUSHY CANYON	WOLFCAMP
sampledate	42046	41850	41850	42284
ph	8	6.6	6.2	7.3
tds_mgL	201455.9	99401.9	243517.1	81366.4
resistivity_ohm_cm	0.032	0.064	0.026	0.1004
sodium_mgL	66908.6	34493.3	73409.8	26319.4
calcium_mgL	9313	3295	15800	2687.4
iron_mgL	10	0.4	18.8	26.1
magnesium_mgL	1603	396.8	2869	326.7
manganese_mgL	1.6	0.37	3.12	
chloride_mgL	121072.7	59986.5	149966.2	50281.2
bicarbonate_mgL	1024.8	109.8	48.8	
sulfate_mgL	940	710	560	399.7
co2_mgL	1950	70	200	100

5. Devonian water analysis from the area of review is unavailable. Representative area water analyses were sourced from Go-Tech's website and are listed below.

WELL NAME	ANTELOPE RIDGE UNIT #003	BELL LAKE UNIT #006
api	3002521082	3002508483
latitude	32.2593155	32.3282585
longitude	-103.4610748	-103.507103
sec	34	6
township	23S	23S
range	34E	34E
unit	K	O
ftgns	1980S	660S
ftgew	1650W	1980E
county	LEA	LEA
state	NM	NM
field	ANTELOPE RIDGE	BELL LAKE NORTH
formation	DEVONIAN	DEVONIAN
samplesource	UNKNOWN	HEATER TREATER
ph	6.9	7
tds_mgL	80187	71078
chloride_mgL	42200	47900
bicarbonate_mgL	500	476
sulfate_mgL	1000	900

VIII: Injection Zone Geology

Fluid injection will take place in what we are calling the Devonian-Silurian series of formations, although we are technically including the Ordovician Montoya in the proposed injection zone. This sequence is bounded on top by the Upper Devonian Woodford shale. Underneath the Woodford is the first injection formation, the Lower Devonian Thirtyone formation, consisting of dolomitic carbonates & chert, followed by the Upper Silurian Wristen Dolomite, the Lower Silurian Fusselman Dolomite, and the Upper Ordovician Montoya Limestone. The lower bound is the top of the Middle Ordovician Simpson. This proposed well will TD above the top of the Simpson, and will not inject fluids into the Simpson itself, in order to provide a sufficient barrier to preclude fluid injection into the Lower Ordovician Ellenburger, the Cambrian, and the PreCambrian below.

The injection formations are generally mixed as to rock types and deposition, with a preponderance of calcareous and siliceous sediments having been laid down, and then weathered to differing degrees due to rising and falling sea levels. This varied sequence of events led to large intervals of dolomitization mixed with intervals of limestones & cherts, relatively high primary porosities, high secondary porosities in the form of vugs and karsts, and intervals of mudstones, packstones and the like breaking up the relatively low porosity grainstones.

The Devonian-Silurian-Upper Ordovician sequence is ideally suited for SWD purposes, with a low permeability shale barrier over the top to prevent upward fluid migrations to USDW's, sufficient permeability, primary & secondary porosities in zone, and multiple formations available over a large depth range. This large injection depth range allows an equivalently large injection surface area, keeping injection pressures low, even at higher rates.

Formation	KB TVD (ft)	Thickness (ft)
Mississippian	16581	319
Woodford	16900	152
Devonian	17052	2261
Simpson	19313	458
Ellenburger	19771	N/A

2. According to the NM State Engineer's website, underground sources of fresh water are present at a depth of less than 646' (See Table below in XI). There are no underground sources of fresh water present below the injection interval.

IX: Formation chemical stimulation with 40,000 gals of 15% Hydrochloric Acid is planned after well completion.

X: A compensated neutron/gamma ray log will be run from surface to TD upon well completion. All logs will be submitted to the NMOCD upon completion.

XI: According to the New Mexico Office of the State Engineer, there are no water wells within the proposed injection well's one-mile area of review. The nearest water wells are greater than 4 miles from the proposed injection well. See table below for details. No water samples were obtained.

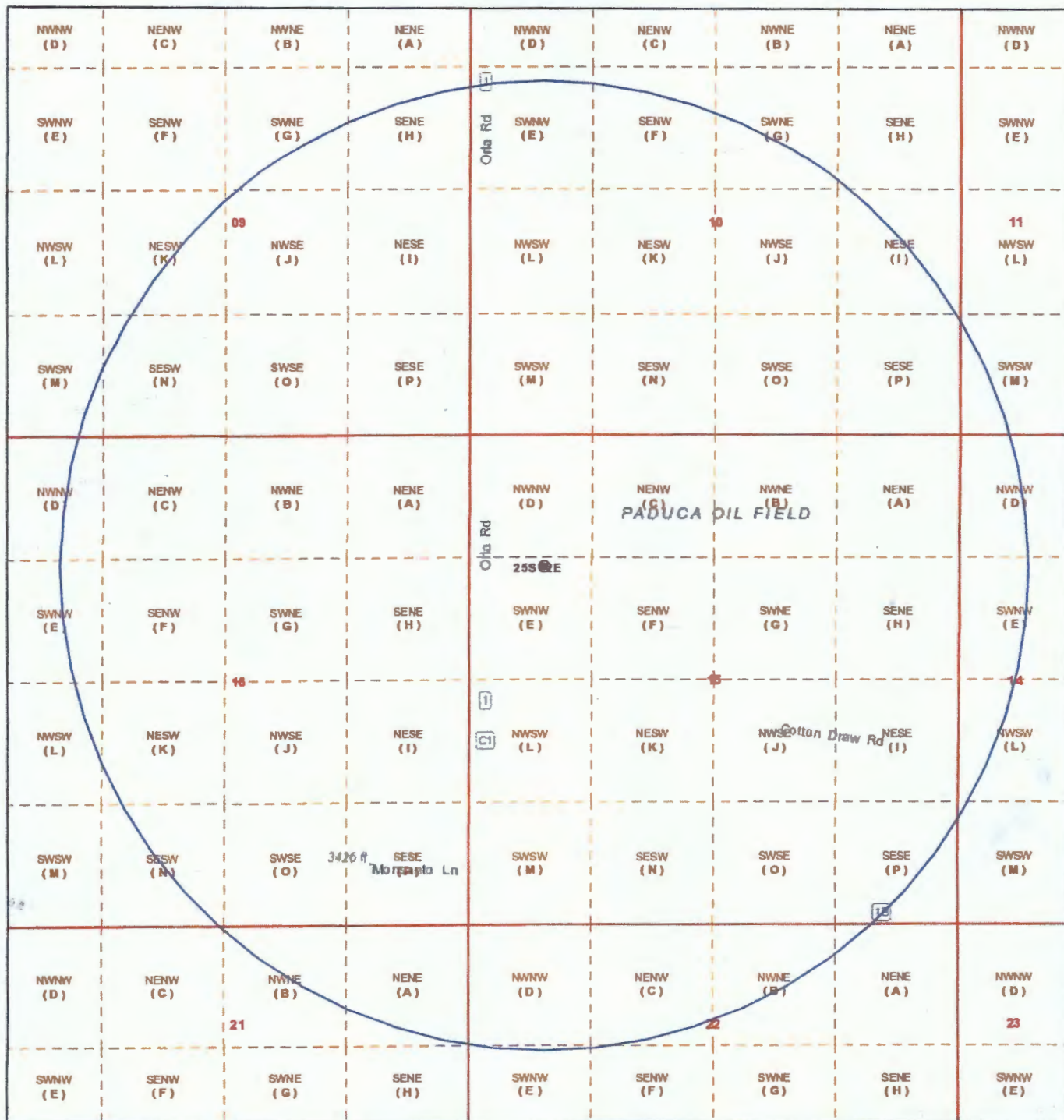
Underground Drinking Water Sources from Ground Level			
FORMATION	POD NUMBER	TOP DEPTH (ft)	BOTTOM DEPTH (ft)
Un-Named	C 03829 POD1	350	646
Un-Named	C 04209 POD1	205	360
Un-Named	C 04209 POD2	185	340
Un-Named	C 02312	90	150

* No known fresh water sources below injection interval

XII: Hydrologic affirmative statement attached.










XIII: Proof of notice and proof of publication attached.

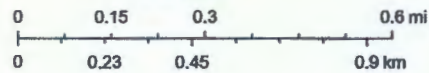
Screaming Vacuum Federal SWD #1 - Water Well Map



2/23/2019, 6:11:38 PM

1:15,000

-  Override 1
-  Override 1
-  PLSS First Division
-  PLSS Second Division
-  PLSS Townships
-  New Mexico Counties
-  New Mexico Towns
-  NMDOT GPS ROADS
-  NMDOT Railroads



US Census Bureau, NMDOT, Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, © OpenStreetMap contributors,



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

No records found.

PLSS Search:

Section(s): 9

Township: 25S

Range: 32E

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.

2/23/19 6:08 PM

WATER COLUMN/ AVERAGE
DEPTH TO WATER



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

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

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

No records found.

PLSS Search:

Section(s): 10

Township: 25S

Range: 32E

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.

2/23/19 6:10 PM

WATER COLUMN/ AVERAGE
DEPTH TO WATER



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

No records found.

PLSS Search:

Section(s): 11

Township: 25S

Range: 32E

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.

2/23/19 6:10 PM

WATER COLUMN/ AVERAGE
DEPTH TO WATER



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

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

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

No records found.

PLSS Search:

Section(s): 14

Township: 25S

Range: 32E

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.

2/23/19 6:10 PM

WATER COLUMN/ AVERAGE
DEPTH TO WATER



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

No records found.

PLSS Search:

Section(s): 15

Township: 25S

Range: 32E

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.

2/23/19 6:10 PM

WATER COLUMN/ AVERAGE
DEPTH TO WATER



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

No records found.

PLSS Search:

Section(s): 16

Township: 25S

Range: 32E

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.

2/23/19 6:09 PM

WATER COLUMN/ AVERAGE
DEPTH TO WATER



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

No records found.

PLSS Search:

Section(s): 21

Township: 25S

Range: 32E

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.

2/23/19 6:09 PM

WATER COLUMN/ AVERAGE
DEPTH TO WATER



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

No records found.

PLSS Search:

Section(s): 22

Township: 25S

Range: 32E

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.

2/23/19 6:09 PM

WATER COLUMN/ AVERAGE
DEPTH TO WATER

Permian Oilfield Partners, LLC.

P.O. Box 1220, Stephenville, TX. 76401 | (817) 606-7630 | gfisher@permianoilfieldpartners.com

Item XII. Affirmative Statement

C-108 Application for Authorization to inject

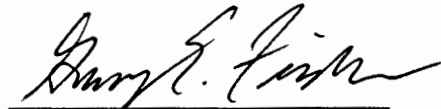
Screaming Vacuum Federal SWD #1

1425' FNL & 810' FWL

Section 15, T25S, R32E

Lea County, New Mexico

Permian Oilfield Partners, LLC. has 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.



Gary Fisher
Manager
Permian Oilfield Partners, LLC.

02/23/2018

Date

SCREAMING VACUUM FEDERAL SWD #1

SEND TO NMOCD

Checklist of Items Attached

- Administrative Application Checklist
- C102
- C108
 - *Additional Data*
 - *Well Construction Data*
 - *Wellbore Schematic*
 - *1 Mile AOR Map => On C102 Form*
 - *2 Mile Area Map*
 - *Operator Table within AOR*
 - *List of Notified Persons*
 - *Area Water Table Data Sheets*
 - *Water Well Map*
 - *Water Well Data Sheets*
 - *Water Well Lab Analysis*
- Hydrologic Affirmative Statement

McMillan, Michael, EMNRD

From: McMillan, Michael, EMNRD
Sent: Monday, March 4, 2019 2:03 PM
To: 'gfisher@permianoilfieldpartners.com'
Cc: Jones, William V, EMNRD; Goetze, Phillip, EMNRD
Subject: Permian Oilfield Partners , L.L.C. Screaming Vacuum Federal SWD Well No. 1

Gary:

I need the following information

- Tract map of affected parties within 1-mile AOR
- Clarify who is the surface owner
- Proof of mailing to the affected parties. Include the date and addresses (Green cards). This includes the operator, if no operator, then lessees, if not lessors, then the lessors. Further, the surface owner must be notified.
- Affidavit of publication in the county in which the well is located
- PRE-ONGARD is not an active operator. It is a well that has been P&A before 2003.
- Also, the OCD does not approve injection into the Montoya formation.
- Therefore, you will be expected to include the projected top of Montoya formation, to ensure you do not inject into this formation.
- You will be expected to include the **top and bottom of salt, Delaware formation, Bone Spring formation, Wolfcamp formation, Lower Ms, top and bottom of Woodford, and Devonian formations**
- Until the OCD gets the required information your application will be suspended.
- Further, if the OCD does not receive the required information within 10-business days, your application is cancelled.

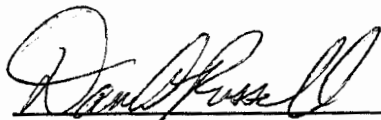
Michael McMillan
1220 South St. Francis
Santa Fe, New Mexico
505-476-3448
Michael.mcmillan@state.nm.us

Affidavit of Publication

STATE OF NEW MEXICO
COUNTY OF LEA

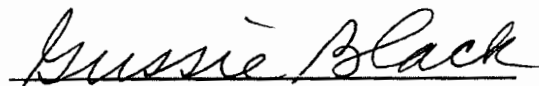
I, Daniel Russell, Publisher of the Hobbs News-Sun, a newspaper published at Hobbs, New Mexico, solemnly swear that the clipping attached hereto was published in the regular and entire issue of said newspaper, and not a supplement thereof for a period of 1 issue(s).

Beginning with the issue dated
March 12, 2019
and ending with the issue dated
March 12, 2019.



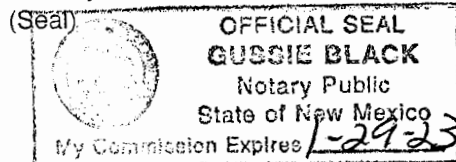
Publisher

Sworn and subscribed to before me this
12th day of March 2019.



Business Manager

My commission expires
January 29, 2023



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

LEGAL NOTICE MARCH 12, 2019

Permian Oilfield Partners, LLC, PO Box 1220, Stephenville, TX 76401, phone (817)606-7630, attention Gary Fisher, has filed form C-108 (Application for Authorization for Injection) with the New Mexico Oil Conservation Division seeking approval to drill a commercial salt water disposal well in Lea County, New Mexico. The well name is the Guzzler Federal SWD #1, and is located 1690' FNL & 1211' FEL, Unit Letter H, Section 9, Township 26 South, Range 32 East, NMNM. The well will dispose of water produced from nearby oil and gas wells into the Devonian formation from a depth of 17,199-18,445. The maximum expected injection rate is 65,000 BWPD at a maximum surface injection pressure of 3,440 psi.

Interested parties must file objections or requests for hearing with the New Mexico Oil Conservation Division, 1220 South St. Francis Drive, Santa Fe, New Mexico, 87505 within 15 days.
#33877

67115647

00225785

GARY FISHER
PERMIAN OILFIELD PARTNERS, LLC
PO BOX 1220
STEPHENVILLE, TX 76401