

# Initial Application Part I

Received: 07/09/2019

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

RECEIVED: <b>07/09/2019</b>	REVIEWER:	TYPE: <b>SWD</b>	APP NO: <b>pMAM1919032787</b>
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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: \_\_\_\_\_ OGRID Number: \_\_\_\_\_  
 Well Name: \_\_\_\_\_ API: \_\_\_\_\_  
 Pool: \_\_\_\_\_ Pool Code: \_\_\_\_\_

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

1) **TYPE OF APPLICATION:** Check those which apply for [A]

**SWD-2182**

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.**

Print or Type Name

Larry E. Fisher  
 Signature

Date

Phone Number

e-mail Address

## McMillan, Michael, EMNRD

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**From:** McMillan, Michael, EMNRD  
**Sent:** Tuesday, July 9, 2019 9:02 AM  
**To:** 'gfisher@popmidstream.com'  
**Subject:** RE: [EXT] Big Swig Fed #1 Checklist

Gary:

The application was received after the close of business on July 8, 2019  
Therefore, the 15-day clock will start on July 9, 2019

Mike

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

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**From:** gfisher@popmidstream.com <gfisher@popmidstream.com>  
**Sent:** Tuesday, July 9, 2019 8:57 AM  
**To:** McMillan, Michael, EMNRD <Michael.McMillan@state.nm.us>  
**Subject:** [EXT] Big Swig Fed #1 Checklist

Sorry about that. Correct checklist attached.  
Thanks,

Gary Fisher

**Permian Oilfield Partners, LLC**  
**PO Box 3329**  
**Hobbs, NM 88241**  
**Mobile (817)606-7630**  
**[gfisher@popmidstream.com](mailto:gfisher@popmidstream.com)**





New Mexico Oil Conservation Division  
1220 S. St. Francis Drive  
Santa Fe, NM 87505

Re: Amended C-108 Application for SWD Well  
Permian Oilfield Partners, LLC  
Big Swig Federal SWD #1  
Sec. 33, Twp. 26S, Rge. 32E  
685' FSL, 270' FWL  
Lea County, NM

Mr. McMillan,  
Permian Oilfield Partners LLC requests to amend our previously submitted C-108 for the Big Swig Federal SWD #1, to move the location due south for anti-collision purposes, as per discussions with the leaseholder, ConocoPhillips. Included in this file is the Amended C-108, C-102, 1 & 2 mile area of review map, and list of wells and operators in the 1 mi radius, as well as proof of notice and the affidavit of publication for the Amended location. Also included are a revised fishing assessment and revised seismicity statement. A copy has been mailed to the NMOCD District 1 office in Hobbs.

Please let me know if you have any questions or require any other information.

Thanks & regards,

Gary Fisher

Permian Oilfield Partners, LLC  
PO Box 3329  
Hobbs, NM 88241  
Mobile (817)606-7630  
[gfisher@popmidstream.com](mailto:gfisher@popmidstream.com)

**APPLICATION FOR AUTHORIZATION TO INJECT**

- I. PURPOSE: **Disposal**  
Application qualifies for administrative approval? **Yes**
- II. OPERATOR: **Permian Oilfield Partners, LLC.**  
ADDRESS: **P.O. Box 1220, Stephenville, TX. 76401**  
CONTACT PARTY: **Sean Puryear** PHONE: **(817) 600-8772**
- 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: **Sean Puryear**

TITLE: **Manager**

SIGNATURE: 

DATE: 06-05-2019

E-MAIL ADDRESS: **spuryear@popmidstream.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:      Addendum to C108 application submitted on 04/24/19 due to surface location re-stake to comply with operator request.

### III. WELL DATA

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

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

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

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

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

### XIV. PROOF OF NOTICE

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

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

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

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

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

### **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 14,944'  
  
**Underlying Potentially Productive Zones:**  
None

## **WELL CONSTRUCTION DATA**

Permian Oilfield Partners, LLC.  
Big Swig Federal SWD #1  
685' FSL, 270' FWL  
Sec. 33, T26S, R32E, Lea Co. NM  
Lat 32.0021030° N, Lon 103.6877317° W  
GL 3107', RKB 3137'

### **Surface - (Conventional)**

Hole Size: 26" Casing: 20" - 94# H-40 STC Casing  
Depth Top: Surface  
Depth Btm: 841'  
Cement: 531 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: 4392'  
Cement: 1450 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: 11710' ECP/DV Tool: 4492'  
Cement: 1989 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: 11510'  
Depth Btm: 17162'  
Cement: 265 sks - Lite Class C (60:40:0) + Additives  
Cement Top: 11510' - (Volumetric)

### **Intermediate #4 - (Open Hole)**

Hole Size: 6.5" Depth: 18635'  
Inj. Interval: 17162' - 18635' (Open-Hole Completion)

### **Tubing - (Tapered)**

Tubing Depth: 17117' Tubing: 7" - 26# HCP-110 FJ Casing & 5.5" 17# HCL-80  
X/O Depth: 11510' FJ Casing (Fiberglass Lined)  
X/O: 7" 26# HCP-110 FJ Casing - X - 5.5" 17# HCL-80 FJ Casing (Fiberglass Lined)  
Packer Depth: 17127' Packer: 5.5" - Perma-Pak or Equivalent (Inconel)



## WELLBORE SCHEMATIC

Permian Oilfield Partners, LLC.

Big Swig Federal SWD #1

685' FSL, 270' FWL

Sec. 33, T26S, R32E, Lea Co. NM

Lat 32.0021030° N, Lon 103.6877317° W

GL 3107', RKB 3137'

### Surface - (Conventional)

Hole Size: 26"  
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Depth Top: Surface  
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Hole Size: 17.5"  
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Depth Top: Surface  
Depth Btm: 4392'  
Cement: 1450 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: 11710'  
Cement: 1989 sks - Lite Class C (60:40:0) + Additives  
Cement Top: Surface - (Circulate)  
ECP/DV Tool: 4492'

### Intermediate #3 - (Liner)

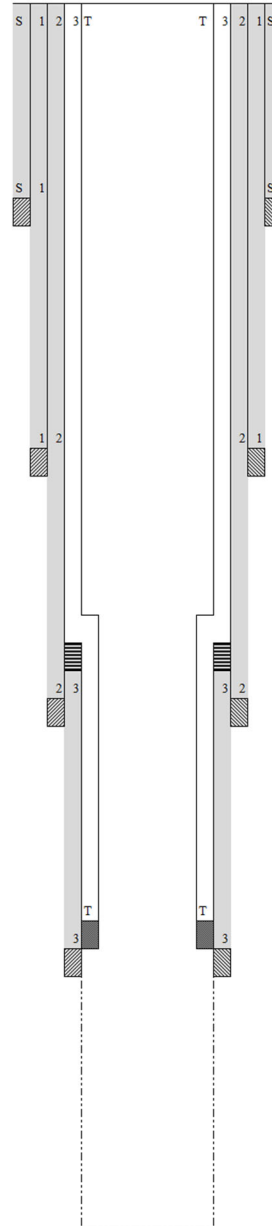
Hole Size: 8.5"  
Casing: 7.625" - 39# HCL-80 FJ Casing  
Depth Top: 11510'  
Depth Btm: 17162'  
Cement: 265 sks - Lite Class C (60:40:0) + Additives  
Cement Top: 11510' - (Volumetric)

### Intermediate #4 - (Open Hole)

Hole Size: 6.5"  
Depth: 18635'  
Inj. Interval: 17162' - 18635' (Open-Hole Completion)

### Tubing - (Tapered)

Tubing Depth: 17117'  
Tubing: 7" - 26# HCP-110 FJ Casing & 5.5" 17# HCL-80 FJ Casing (Fiberglass Lined)  
X/O Depth: 11510'  
X/O: 7" 26# HCP-110 FJ Casing - X - 5.5" 17# HCL-80 FJ Casing (Fiberglass Lined)  
Packer Depth: 17127'  
Packer: 5.5" - Perma-Pak or Equivalent (Inconel)



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

**VII:**

1. The average injected volume anticipated is 40,000 BWPD  
The maximum injected volume anticipated is 50,000 BWPD
2. Injection will be through a closed system
3. The average injection pressure anticipated is 2,000 psi  
The proposed maximum injection pressure is 3,432 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 the Devonian-Silurian formations. This sequence is bounded above by the Upper Devonian Woodford shale. Underlying the Woodford is the first injection formation, the Devonian, consisting of dolomitic carbonates & chert, followed by the Upper Silurian dolomites, and the Lower Silurian Fusselman dolomite. The lower bound of the injection interval is the limestone of the Upper Ordovician Montoya. This proposed well will TD above the top of the Montoya, and will not inject fluids into the Montoya itself, in order to provide a sufficient barrier to preclude fluid injection into the Middle Ordovician Simpson, the Lower Ordovician Ellenburger, the Cambrian, and the PreCambrian below.

Injection zone porosities are expected to range from 0% to a high of 8%, with the higher ranges being secondary porosity in the form of vugs & fractures due to weathering effects, with occasional interbedded shaly intervals. Permeabilities in the 2-3% porosity grainstone intervals are estimated to be in the 10-15 mD range, with the higher porosity intervals conservatively estimated to be in the 40-50 mD range. It is these intervals of high secondary porosity and associated high permeability that are expected to take the majority of the injected water.

The Devonian-Silurian sequence is well suited for SWD purposes, with a low permeability shale barrier overlying the injection interval to prevent upward fluid migrations to USDW's, sufficient permeabilities and porosities in zone, and multiple formations available over a large depth range. This large injection depth range means there is a large injection surface area available, allowing for low injection pressures at high injection rates.

Permian Oilfield Partners, LLC.  
 Big Swig Federal SWD #1  
 685' FSL, 270' FWL  
 Sec. 33, T26S, R32E, Lea Co. NM  
 Lat 32.0021030° N, Lon 103.6877317° W  
 GL 3107', RKB 3137'

<b>GEOLOGY PROGNOSIS</b>			
<b>FORMATION</b>	<b><u>TOP</u></b> KB TVD (ft)	<b><u>BOTTOM</u></b> KB TVD (ft)	<b><u>THICKNESS</u></b> (ft)
<b>Salt</b>	1,213	4,297	3,084
<b>Delaware</b>	4,367	8,603	4,236
<b>Bone Spring</b>	8,603	11,660	3,057
<b>Wolfcamp</b>	11,660	12,887	1,227
<b>Lwr. Mississippian</b>	16,567	16,910	343
<b>Woodford</b>	16,910	17,127	217
<b>Devonian</b>	17,127	18,029	902
<b>Fusselman (Silurian)</b>	18,029	18,660	631
<b>Montoya (U. Ordovician)</b>	18,660	19,057	397
<b>Simpson (M. Ordovician)</b>	19,057	19,797	740

2. According to both the New Mexico Office of the State Engineer and the Texas Commission on Environmental Quality (TCEQ), there are NO fresh water wells within the proposed well's one-mile area of review. Regionally, shallow fresh water is known to exist at depths less than 646'. 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 and the Texas Commission on Environmental Quality (TCEQ), there are NO fresh water wells within the proposed well's one-mile area of review.
- XII:** Hydrologic affirmative statement attached.
- XIII:** Proof of notice and proof of publication attached.

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, NM 87505

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number <b>30-025-</b>	<sup>2</sup> Pool Code <b>97869</b>	<sup>3</sup> Pool Name <b>SWD; DEVONIAN-SILURIAN</b>
<sup>4</sup> Property Code	<sup>5</sup> Property Name <b>BIG SWIG FEDERAL SWD</b>	<sup>6</sup> Well Number <b>1</b>
<sup>7</sup> OGRID NO. <b>328259</b>	<sup>8</sup> Operator Name <b>PERMIAN OILFIELD PARTNERS LLC</b>	<sup>9</sup> Elevation <b>3107'</b>

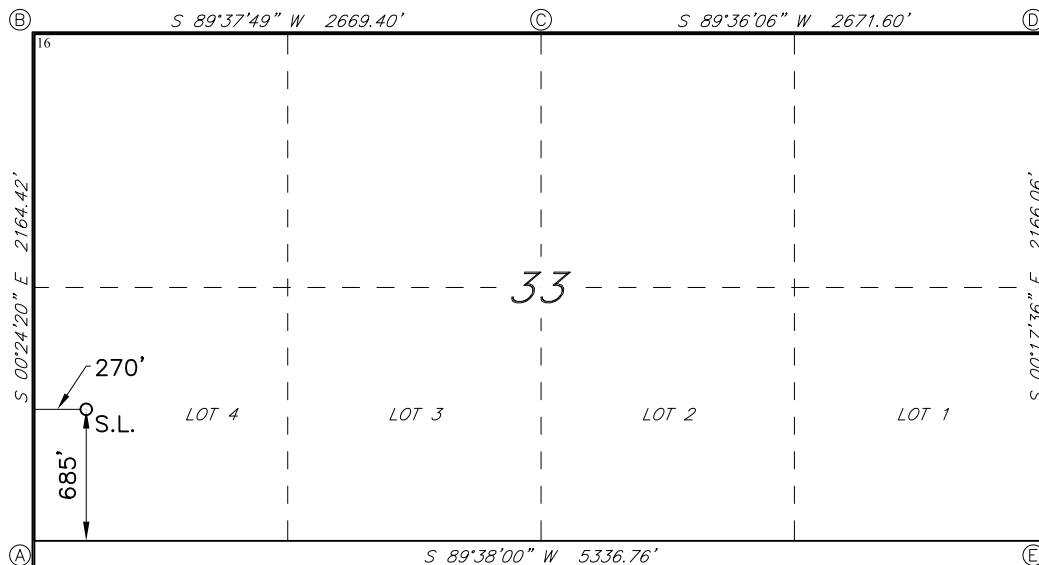
<sup>10</sup> Surface Location

UL or lot no. <b>E</b>	Section <b>33</b>	Township <b>26S</b>	Range <b>32E</b>	Lot Idn	Feet from the <b>685</b>	North/South line <b>SOUTH</b>	Feet From the <b>270</b>	East/West line <b>WEST</b>	County <b>LEA</b>
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<sup>11</sup> 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
<sup>12</sup> Dedicated Acres	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No.						

No allowable will be assigned to this completion until all interest have been consolidated or a non-standard unit has been approved by the division.



<sup>17</sup> OPERATOR CERTIFICATION

I hereby certify that the information contained 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 a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature Gary E. Fisher Date 6-5-2019

Printed Name  
**Gary E. Fisher**

E-mail Address  
**gfisher@popmidstream.com**

<sup>18</sup> 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.

**05-14-2019**

Date of Survey

Signature and Seal of Professional Surveyor

**10034**

Certificate Number

GEODETIC DATA  
NAD 83 GRID - NM EAST

SURFACE LOCATION  
N 365102.1 - E 741463.6

LAT: 32.0021030° N  
LONG: 103.6877317° W

CORNER DATA  
NAD 83 GRID - NM EAST

A: CALCULATED CORNER  
N 364415.6 - E 741198.6

B: FOUND BRASS CAP "1939"  
N 366579.6 - E 741183.2

C: FOUND BRASS CAP "1939"  
N 366596.8 - E 743852.1

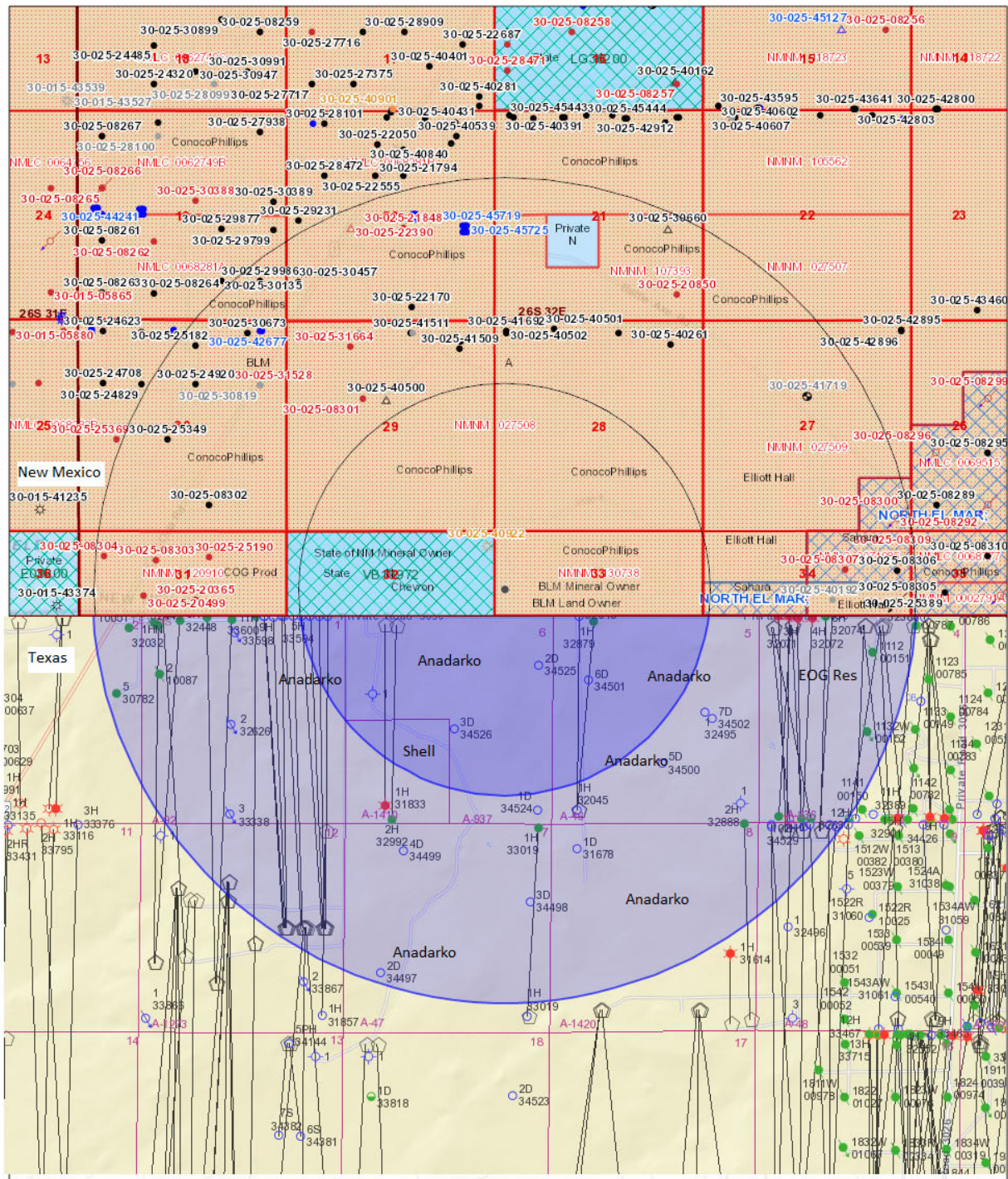
D: FOUND BRASS CAP "1939"  
N 366615.4 - E 746523.1

E: CALCULATED CORNER  
N 364449.7 - E 746534.2

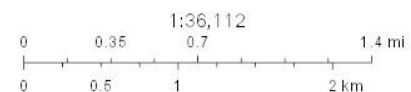
Job No.: LS19030270R2



# 1 & 2 Mile AOR, Big Swig Federal SWD #1-Relocated



6/4/2019, 7:20:47 PM



U.S. BLM  
Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri China (Hong Kong), (c)

New Mexico Oil Conservation Division

Big Swig Federal SWD #1 - New Mexico Wells within 1 Mile Area of Review															
API Number	Current Operator	Well Name	Well Number	Well Type	Well Direction	Well Status	Section	Township	Range	OCD Unit Letter	Surface Location	Bottomhole Location	Formation	MD	TVD
30-025-40922	CONOCOPHILLIPS COMPANY	PADUCA BREAKS 32 26 32 STATE	#001H	Gas	Horizontal	Approved Temporary Abandonment	32	T26S	R32E	A	A-32-26S-32E 400 FNL 182 FEL	D-32-26S-32E 410 FNL 4935 FEL	BONE SPRING	13245	8706

### Big Swig Federal SWD #1 - Texas Wells within 1 Mile Area of Review

API Number	Operator	Well Name	Well Number	Type/Status	Well Direction	Abstract	Survey	Block	Section	Distance1	Direction1	Distance2	Direction2	Formation	TVD
4230131833	SHELL WESTERN E&P	ODELL STATE 54-1-6 LOV UNIT	1H	GAS/PRODUCING	Horizontal	937	T&P RR CO/ HAGEN W	54 T1	6	260	NORTH	990	WEST	BONE SPRING	8856
4230132045	ANADARKO E&P ONSHORE LLC	THRESHER 54-1-5	1H	OIL/PERMIT	Horizontal	46	T&P RR CO	54 T1	5	330	SOUTH	660	WEST	BONE SPRING	N/A
4230132879	ANADARKO E&P ONSHORE LLC	THRESHER 54-1-5	1H	OIL/PRODUCING	Horizontal	46	T&P RR CO	54 T1	5	325	SOUTH	681	WEST	BONE SPRING	10309
4230132992	SHELL WESTERN E&P	ODELL STATE 54-1-6 LOV	2H	OIL/PRODUCING	Horizontal	937	T&P RR CO/HAGEN W	54 T1	6	299	NORTH	1289	WEST	WOLFCAMP	11743





## Statement of Notifications

Re: Amended C-108 Application for SWD Well  
 Permian Oilfield Partners, LLC  
 Big Swig Federal SWD #1  
 Sec. 33, Twp. 26S, Rge. 32E  
 685' FSL, 270' FWL  
 Lea County, NM

Permian Oilfield Partners, LLC has mailed notifications to offset operators, mineral owners, lessees and the surface owner as per the following list:

Big Swig Federal SWD #1 - Affected Persons within 1 Mile Area of Review					
Notified Name	Notified Address	Notified City, State, ZIP Code	Shipper	Tracking No.	Mailing Date
Shell Western E&P	PO Box 576	Houston, TX 77001	USPS	9414811899561459355801	7/8/2019
Anadarko E&P Onshore LLC	PO Box 1330	Houston, TX 77251-1330	USPS	9414811899561459231853	7/8/2019
Conoco Phillips Company	P.O.Box 2197 Office EC3-10-W285	Houston, TX 77252	USPS	9414811899561459383132	7/8/2019
Chevron U S A Inc	6301 Deauville Blvd	Midland, TX 79706	USPS	9414811899561459245485	7/8/2019
Elliott Industries, LP	2668 Grant Avenue, Suite 104	Ogden, UT 84401	USPS	9414811899561459272122	7/8/2019
Elliott Hall Co Ut, LP	2668 Grant Avenue, Suite 104	Ogden, UT 84401	USPS	9414811899561459293011	7/8/2019
Bureau Of Land Management	620 E Greene St	Carlsbad, NM 88220	USPS	9414811899561459293356	7/8/2019
New Mexico State Land Office	310 Old Santa Fe Trail	Santa Fe, NM 87501	USPS	9414811899561459225159	7/8/2019
RRC of TX Injection-Storage Permits (UIC Department)	1701 N. Congress Ave.	Austin, TX 78701	USPS	9414811899561459226248	7/8/2019
Sahara Operating Co.	PO Box 4130	Midland, TX 79704	USPS	9414811899561459231754	7/8/2019

Sean Puryear  
 Permian Oilfield Partners, LLC  
[spuryear@popmidstream.com](mailto:spuryear@popmidstream.com)

Date: 7-8-2019

## U.S. Postal Service Certified Mail Receipt

ARTICLE NUMBER: 9414 8118 9956 1459 3558 01

### ARTICLE ADDRESSED TO:

Shell Western E&P  
PO Box 576  
Houston TX 77001-0576

### FEES

Postage Per Piece	\$3.05
Certified Fee	3.50
Total Postage & Fees:	6.55

Postmark  
Here

## U.S. Postal Service Certified Mail Receipt

ARTICLE NUMBER: 9414 8118 9956 1459 2318 53

### ARTICLE ADDRESSED TO:

Anadarko E&P Onshore LLC  
PO Box 1330  
Houston TX 77251-1330

### FEES

Postage Per Piece	\$3.05
Certified Fee	3.50
Total Postage & Fees:	6.55

Postmark  
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## U.S. Postal Service Certified Mail Receipt

ARTICLE NUMBER: 9414 8118 9956 1459 3831 32

### ARTICLE ADDRESSED TO:

ConocoPhillips Company  
PO Box 2197  
Houston TX 77252-2197

### FEES

Postage Per Piece	\$3.05
Certified Fee	3.50
Total Postage & Fees:	6.55

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## U.S. Postal Service Certified Mail Receipt

ARTICLE NUMBER: 9414 8118 9956 1459 2454 85

### ARTICLE ADDRESSED TO:

Chevron USA  
6301 Deauville  
Midland TX 79706-2964

### FEES

Postage Per Piece	\$3.05
Certified Fee	3.50
Total Postage & Fees:	6.55

Postmark  
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## U.S. Postal Service Certified Mail Receipt

ARTICLE NUMBER: 9414 8118 9956 1459 2721 22

### ARTICLE ADDRESSED TO:

Elliott Industries, LP  
2668 Grant Ave., Suite 104  
Ogden UT 84401-3656

### FEES

Postage Per Piece	\$3.05
Certified Fee	3.50
Total Postage & Fees:	6.55

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## U.S. Postal Service Certified Mail Receipt

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### ARTICLE ADDRESSED TO:

Elliott Hall Co UT, LP  
2668 Grant Ave. Suite 104  
Ogden UT 84401-3656

### FEES

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Certified Fee	3.50
Total Postage & Fees:	6.55

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U.S. Postal Service **Certified Mail Receipt**

ARTICLE NUMBER: 9414 8118 9956 1459 2933 56

ARTICLE ADDRESSED TO:

Bureau of Land Management  
620 E Greene St  
Carlsbad NM 88220-6292

FEES

Postage Per Piece	\$3.05
Certified Fee	3.50
Total Postage & Fees:	6.55

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U.S. Postal Service **Certified Mail Receipt**

ARTICLE NUMBER: 9414 8118 9956 1459 2251 59

ARTICLE ADDRESSED TO:

New Mexico State Land Office  
310 Old Santa Fe Trail  
Santa Fe NM 87501-2708

FEES

Postage Per Piece	\$3.05
Certified Fee	3.50
Total Postage & Fees:	6.55

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U.S. Postal Service **Certified Mail Receipt**

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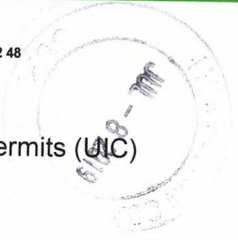
ARTICLE ADDRESSED TO:

RRC of Texas-Storage Permits (LIC)  
1701 N. Congress Ave.  
Austin TX 78701-1494

FEES

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Certified Fee	3.50
Total Postage & Fees:	6.55

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U.S. Postal Service **Certified Mail Receipt**

ARTICLE NUMBER: 9414 8118 9956 1459 2317 54

ARTICLE ADDRESSED TO:

Sahara Operating Co.  
PO Box 4130  
Midland TX 79704-4130

FEES

Postage Per Piece	\$3.05
Certified Fee	3.50
Total Postage & Fees:	6.55

Postmark  
Here



# Affidavit of Publication

STATE OF NEW MEXICO  
COUNTY OF LEA

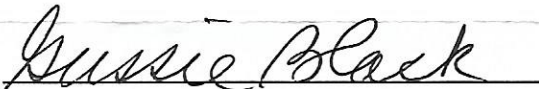
I, Daniel Russell, Publisher of the Hobbs News-Sun, a newspaper published at Hobbs, New Mexico, solemnly swear that the clipping attached hereto was published in the regular and entire issue of said newspaper, and not a supplement thereof for a period of 1 issue(s).

Beginning with the issue dated  
June 21, 2019  
and ending with the issue dated  
June 21, 2019.



Publisher

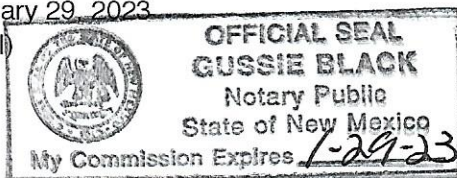
Sworn and subscribed to before me this  
21st day of June 2019.



Business Manager

My commission expires  
January 29, 2023

(Seal)



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

**LEGALS**

**LEGAL NOTICE**  
JUNE 21, 2019

**Newspaper Publication Notice**

Permian Oilfield Partners, LLC, PO Box 1220, Stephenville, TX 76401, phone (817)606-7630, attention Gary Fisher, has filed an Amended 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 Big Swig Federal SWD #1, and the amended application seeks to relocate the well to 685' FSL & 270' FWL, Unit Letter E, Section 33, Township 26 South, Range 32 East, NMPM, approximately 27.5 miles southeast of Malaga, NM. The well will dispose of water produced from nearby oil and gas wells into the Devonian formation from a depth of 17,162 feet to 18,635 feet. The maximum expected injection rate is 50,000 BWPD at a maximum surface injection pressure of 3,432 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.

**#34339**

67115647

00229876





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

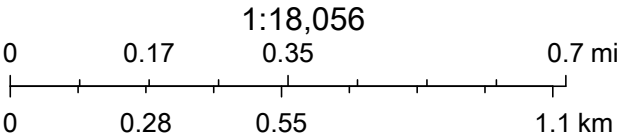


# Big Swig Federal SWD #1, RELOCATED - Water Wells in 1 Mile AOR



6/5/2019, 11:30:30 AM

-  Override 1
-  PLSS First Division
-  PLSS Second Division
-  PLSS Townships



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), (c) OpenStreetMap contributors, and the GIS User Community



# New Mexico Office of the State Engineer

## Water Column/Average Depth to Water

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

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

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	DepthWell	DepthWater	Water Column
<a href="#">C 02271</a>	R	CUB	LE	2	3	21	26S	32E		624449	3544111*	150	125	25
<a href="#">C 02271 POD2</a>		CUB	LE	3	2	3	21	26S	32E	624348	3544010*	270	250	20
<a href="#">C 02274</a>		CUB	LE	2	1	2	31	26S	32E	621742	3541730*	300	295	5
<a href="#">C 02323</a>		C	LE	3	2	3	21	26S	32E	624348	3544010*	405	405	0
<a href="#">C 03537 POD1</a>		CUB	LE	3	2	3	21	26S	32E	624250	3543985	850		
<a href="#">C 03595 POD1</a>		CUB	LE	4	2	3	21	26S	32E	624423	3544045	280	180	100
<a href="#">C 03829 POD1</a>		CUB	LE	3	3	1	06	26S	32E	620628	3549186	646	350	296
<a href="#">C 04209 POD1</a>		CUB	LE	2	3	3	06	26S	32E	620903	3548619	360	155	205
<a href="#">C 04209 POD2</a>		C	LE	2	3	3	06	26S	32E	620818	3548657	340	155	185

Average Depth to Water: **239 feet**

Minimum Depth: **125 feet**

Maximum Depth: **405 feet**

**Record Count:** 9

**PLSS Search:**

**Township:** 26S **Range:** 32E

\*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.

4/19/19 2:14 PM

WATER COLUMN/ AVERAGE DEPTH TO WATER



**Item XII. Affirmative Statement**

Re: C-108 Application for SWD Well  
Permian Oilfield Partners, LLC  
Big Swig Federal SWD #1  
Sec. 33, Twp. 26S, Rge. 32E  
685' FSL, 270' FWL  
Lea County, NM

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.

A handwritten signature in black ink, appearing to read "Gary Fisher".

Gary Fisher  
Manager  
Permian Oilfield Partners, LLC.

Date: 6/5/2019