# AE Order Number Banner

## **Application Number:** pMSG2324251335

## SWD-2555

## Pilot Water Solutions SWD LLC [331374]

ACE Energy Advisors

August 23, 2023

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

Subject: Pilot Water Solutions SWD LLC
Application for Authorization to Inject
Jameis SWD State #1

Mr. Fuge,

Pilot Water Solutions SWD LLC (Pilot) is applying for administrative approval of the attached Application for Authorization to Inject (Form C-108) for their proposed Jameis SWD State #1. The application is requesting authorization to dispose of saltwater from oil and gas production in the area via commercial disposal into the San Andres Formation in Lea County, NM.

Questions regarding this application or the included materials can be directed to Nate Alleman (Pilot Regulatory Advisor Contractor) via telephone at 918-237-0559 or via email at nate.alleman@aceadvisors.com.

Sincerely,

Nate Alleman
Chief Regulatory Advisor
Ace Energy Advisors

Revised March 23, 2017

| RECEIVED: | REVIEWER: | TYPE: | APP NO: |
|---|---|---|---|

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: Pilot Water Solutions SWD LLC OGRID Number: 331374
Well Name: Jameis SWD State #1 API: 30-025-
Pool: SWD; San Andres Pool Code: 96121

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

FOR OCD ONLY
☐ Notice Complete
☐ Application Content Complete

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

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.

David Grounds
Print or Type Name

David Grounds
Signature

08/23/2023
Date

713-307-8752
Phone Number

david.grounds@pilotwater.com
e-mail Address

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

**Oil Conservation Division**
**1220 South St. Francis Dr.**
**Santa Fe, New Mexico 87505**

FORM C-108
Revised June 10, 2003

## APPLICATION FOR AUTHORIZATION TO INJECT

I. PURPOSE: _____Secondary Recovery _____Pressure Maintenance ____X__Disposal _____Storage
Application qualifies for administrative approval? ____X____Yes _____No

II. OPERATOR: Pilot Water Solutions SWD LLC

ADDRESS: 20 Greenway Plaza, Suite 200, Houston, TX 77046

CONTACT PARTY: David Grounds PHONE: 713-307-8752

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: David Grounds TITLE: VP - Regulatory Compliance

SIGNATURE: David Grounds DATE: 08/23/2023

E-MAIL ADDRESS: david.grounds@pilotwater.com

* If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be resubmitted. Please show the date and circumstances of the earlier submittal: _____

DISTRIBUTION: Original and one copy to Santa Fe with one copy to the appropriate District Office

# III. Well Data

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

**(1) Lease name; Well No.; Location by Section, Township and Range; and footage location within the section.**

Operator: Pilot Water Solutions SWD LLC (OGRID# 331374)
Lease/Well Name & Number: Jameis SWD State #1
Legal Location: 1,429' FSL & 458' FEL - Unit I – Section 7 T19S R37E – Lea County

**(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.**

| Casing String | Hole Size (in) | Casing Size (in) | Casing Depth (ft) | Sacks Cement (sx) | Top of Cement (ft) | Method Determined |
|---|---|---|---|---|---|---|
| **Surface** | 17-1/2 | 13-3/8 | 1,418 | 2,222.6 | 0 | Circulation |
| **Production** | 12-1/4 | 9-5/8 | 5,496 | 1,640.6 | 0 | Circulation |

A wellbore diagram is included in ***Attachment 1***.

**(3) A description of the tubing to be used including its size, lining material, and setting depth.**

5-1/2" fiberglass-coated tubing set at 4,257'

**(4) The name, model, and setting depth of the packer used or a description of any other seal system or assembly used.**

Weatherford AS1X Stainless 9-5/8'' X 5-1/2'' set at 4,257'

**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.**

Injection Formation Name - San Andres
Pool Name - SWD; San Andres
Pool Code – 96121

**(2) The injection interval and whether it is perforated or open-hole.**

Cased-hole injection between 4,257' - 5,496'

**(3) State if the well was drilled for injection or, if not, the original purpose of the well.**

New drill for injection

**(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.**

None

**(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.**

- **Overlying**
  - Yates (2,668')
  - 7 Rivers (2,928')
  - Queen (3,441')
  - Grayburg (3,776')
- **Underlying -** No underlying oil and gas zones present.

**Note:** the proposed SWD is located on the Central Basin Platform. Therefore, the listed productive zones are limited to those productive zones occurring on the Central Basin Platform.

# V. AOR Maps

**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.**

The following maps are included in ***Attachment 2***:

- ½-Mile AOR/Surface & Mineral Ownership Map
- ½-Mile Lease Map
- 2-Mile Oil & Gas Well Map

# VI. AOR List

**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.**

Details of the wells within the 0.5-mile AOR are included in ***Attachment 2***. No wells within the 0.5-mile AOR penetrate the top of the proposed injection zone.

# VII. Operational Information

**Attach data on the proposed operation, including:**

**(1) Proposed average and maximum daily rate and volume of fluids to be injected;**

Maximum: 25,000 bpd
Average: 15,000 bpd

**(2) Whether the system is open or closed;**

The system will be closed.

**(3) Proposed average and maximum injection pressure;**

Maximum: 851 psi (surface)
Average: approx. 500-600 psi (surface)

**(4) Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water;**

It is anticipated that produced water from Wolfcamp and Bone Spring production wells in the area will be injected into the proposed SWD. Therefore, water analysis from these formations was obtained and is included in ***Attachment 3***.

**(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.).**

The proposed injection interval for this SWD is the San Andres formation, which is a non-productive zone known to be compatible with formation water from the Wolfcamp and Bone Spring formations. Water analyses of samples collected from the proposed injection formation in the area were obtained and are included in ***Attachment 4*****.**

## VIII. Geologic Description

**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.**

The proposed injection interval is located in the San Andres formation between the depths of 4,257 and 5,496 feet. The San Andres formation consists of an interbedded carbonate sequence composed of limestone and dolomite. These cycles tend to be mappable within the San Andres and are differentiated by sections of either very high or very low porosity and permeability development. Upper and lower confinement will be provided by tight carbonate facies present within San Andres that occur above and below the porous injection interval. The upper confining interval occurs at the top of the San Andres formation, directly underlying the Grayburg formation, and ranges from 125' – 150' net thickness based on a review of nearby open-hole geophysical logs. The lower confining interval occurs at the bottom of the San Andres formation, directly overlying the Glorieta formation, and ranges from 150' - 200' net thickness based on a review of nearby open-hole geophysical logs.

The base of the lowermost Underground Source of Drinking Water (USDW), identified as the top of the first anhydrite, was determined to occur at the top of the Rustler formation at a depth of 1,393'. Water wells in the area are drilled to a depth of approximately 95' – 143'.

## IX. Proposed Stimulation Program

**Describe the proposed stimulation program, if any.**

A minor acid job utilizing 15-20% hydrochloric acid may be used to cleanup the wellbore.

## X. Logging and Test Data

**Attach appropriate logging and test data on the well. (If well logs have been filed with the Division, they need not be resubmitted).**

Logs will be run and submitted to the Division once the well is completed.

## XI. Groundwater Wells

**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.**

Based on data obtained from the New Mexico Office of the State Engineer (OSE), a total of 18 groundwater wells (13 active, 1 pending, 4 plugged) are located within 1 mile of the proposed SWD location. Water samples have been collected and analyzed for 4 of these wells.

***Attachment 5*** includes a table with details of the water wells within 1-mile, a water well map, and analysis of the collected water samples.

## XII. No Hydrologic Connection Statement

**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.**

A geologic review conducted on offset wireline log data and published regional studies did not identify any faulting in the vicinity of the proposed locations that would allow for the hydraulic communication between the injection interval and overlying USDWs. The base of the lowermost Underground Source of Drinking Water (USDW), identified as the top of the first anhydrite, was determined to occur at the top of the Rustler formation at a depth of 1,393'.

# XIII. Proof of Notice

**Applicants must complete the "Proof of Notice" section on the reverse side of this form.**

**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.**

A copy of the application was mailed to the Affected Persons, including the OCD District Office, surface owner, leasehold operators within the AOR, and BLM/SLO if they own minerals within the AOR. ***Attachment 6*** includes a list of the Affected Persons receiving notice of the application and the associated certified mailing receipts (green sheets).

**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.**

A Public Notice was published in the Hobbs NewsSun, a newspaper of general circulation in the area, and the associated affidavit is included in ***Attachment 6***.

# Attachment 1

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

| [1] API Number | [2] Pool Code | [3] Pool Name |
|---|---|---|
| | 96121 | SWD; San Andres |

| [4] Property Code | [5] Property Name | [6] Well Number |
|---|---|---|
| | JAMEIS SWD STATE | #1 |

| [7] OGRID No. | [8] Operator Name | [9] Elevation |
|---|---|---|
| 331374 | Pilot Water Solutions SWD LLC | 3707.75' |

## [10] Surface Location

| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---|---|---|---|---|---|---|---|---|---|
| I | 7 | 19 S | 37 E | | 1429 | SOUTH | 458 | EAST | LEA |

## [11] 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 |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |

| [12] Dedicated Acres | [13] Joint or Infill | [14] Consolidation Code | [15] 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.

[16]

| | | | |
|---|---|---|---|
| D | C | B | A |
| E | F | G | H |
| L | K | J | I |
| M | N | O | P |

① ② ③ ④

GEODETIC DATA
NAD 83 NM EAST

JAMEIS SWD STATE 1
X: 864340.28'
Y: 609630.70'
LAT.: N 32.67152906
LONG.: W -103.2836506

1-Y=613523.07', X=859519.35'
2-Y=613473.44', X=864761.20'
3-Y=608197.49', X=864814.68'
4-Y=608228.87', X=859582.20'

458'
1429'

## [17] 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.*

Nathan Alleman — 08/22/2023
Signature — Date

Nate Alleman
Printed Name

nate.alleman@aceadvisors.com
E-mail Address

## [18] 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.*

07/25/2023
Date of Survey — Date

Signature and Seal of Professional Surveyor:

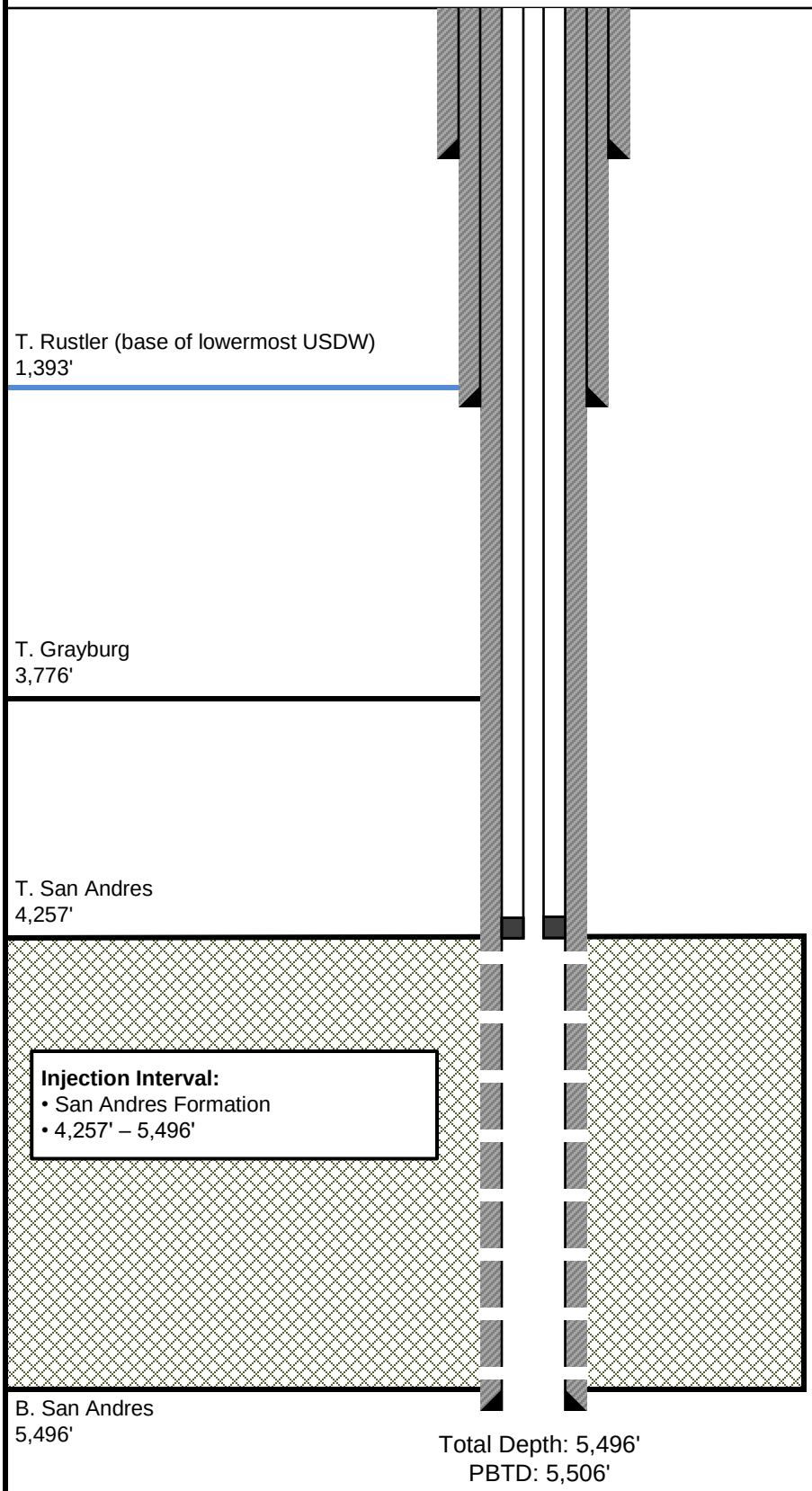
LEROY W. FARLEY — NEW MEXICO — 17320 — LICENSED PROFESSIONAL SURVEYOR

Certificate Number

# Pilot Water Solutions SWD LLC

## Jameis SWD State #1

## Wellbore Diagram




### Surface Casing

| | |
|---|---|
| **Casing Size (in):** | 13-3/8 |
| **Casing Weight (lb/ft):** | 68 |
| **Casing Grade:** | L-80 BTC |
| **Casing Depth (ft):** | 1,418 |
| **Hole Depth (ft):** | 1,428 |
| **Hole Size (in):** | 17-½ |
| **Top of Cement (ft):** | 0 (circulation) |
| **Sks Cement:** | 2,222.6 |

### Production Casing

| | |
|---|---|
| **Casing Size (in):** | 9-5/8 |
| **Casing Weight (lb/ft):** | 53.5 |
| **Casing Grade:** | L-80 BTC |
| **Casing Depth (ft):** | 5,496 |
| **Hole Depth (ft):** | 5,506 |
| **Hole Size (in):** | 12-1/4 |
| **Top of Cement (ft):** | 0 (circulation) |
| **Sks Cement:** | 1,640.6 |

### Tubing

**Tubing Size (in):** 5-1/2
**Tubing Weight (lb/ft):** 14
**Tubing Grade:** J-55 BTC
**Tubing Depth (ft):** 4,257
**Packer Type:** Weatherford AS1X Stainless
**Packer Depth (ft):** 4,257

### Injection Interval

**Formation:** San Andres
**Top (ft):** 4,257
**Bottom (ft):** 5,496
**Cased or Open-Hole:** Cased

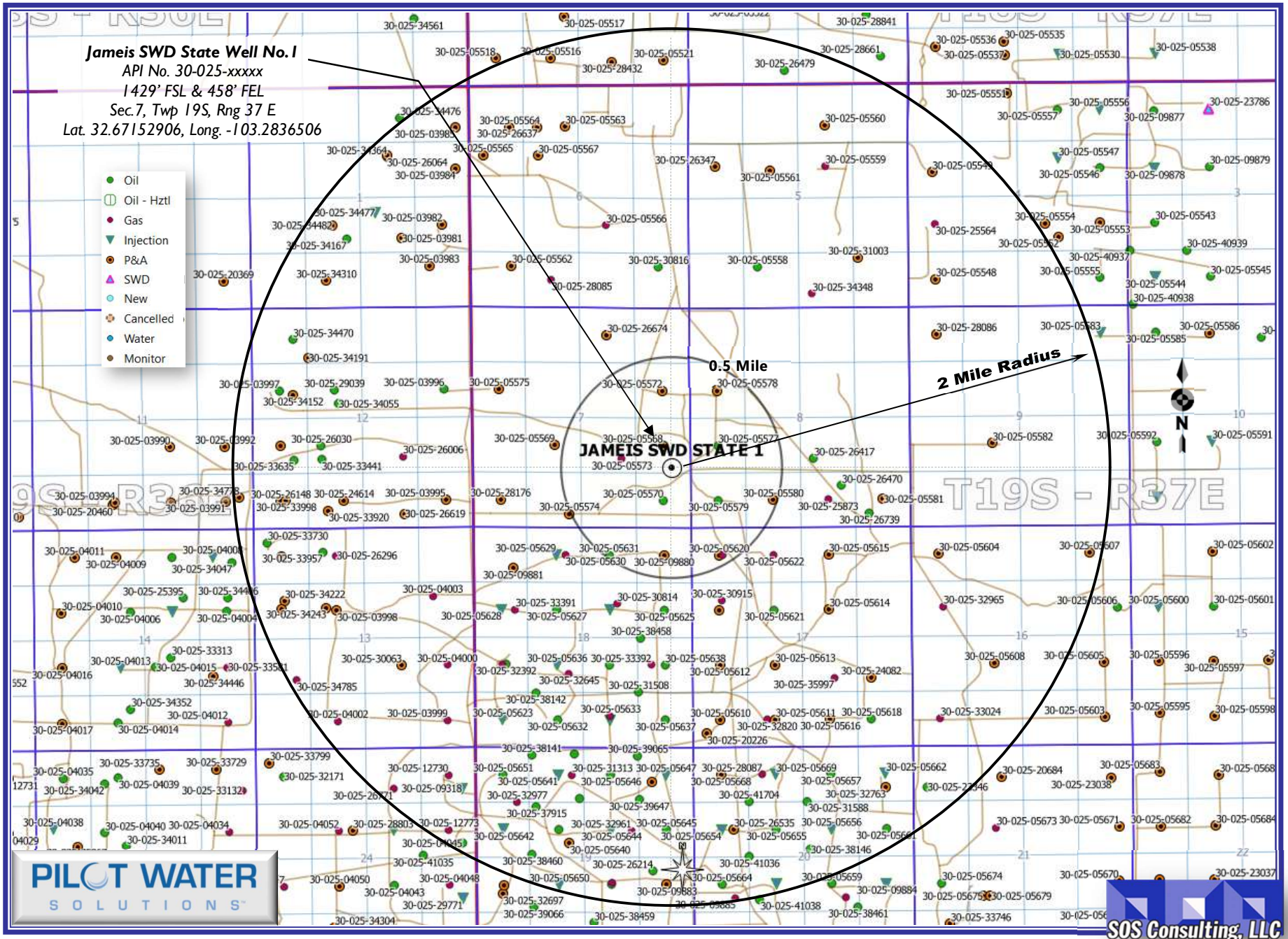
*Note: Listed depths and cement volumes are approximates based on available information.*

*NOT TO SCALE*

# Attachment 2

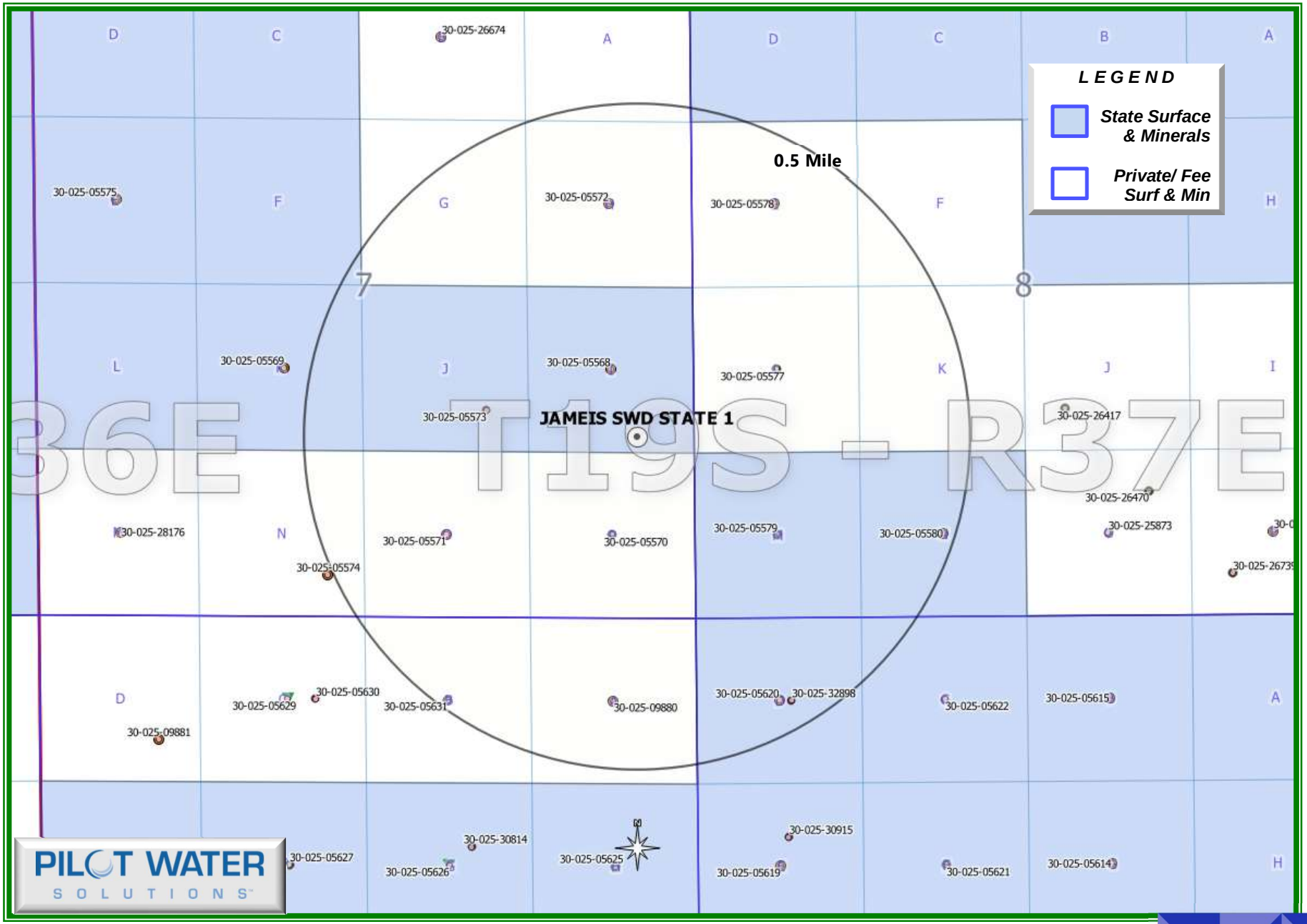
# Jameis SWD State Well No.1 - Area of Review - 2 Miles

(Attachment to NMOCD Form C-108 - Item V)



# Jameis SWD State #1 – Surface & Minerals Ownership

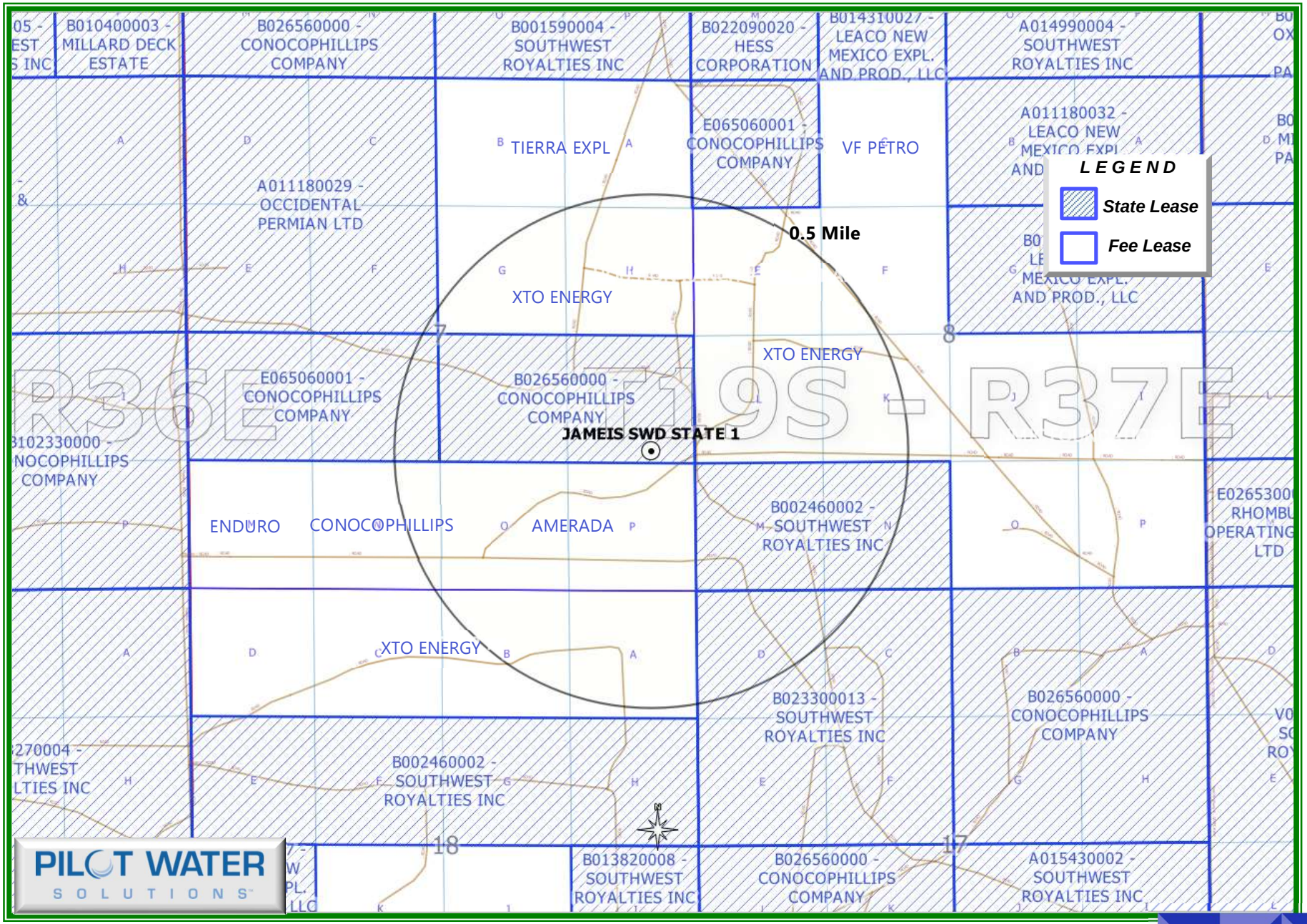
*(Attachment to NMOCD Form C-108, Application for Authority to Inject.)*



| 1/2-mile AOR Tabulation for Jameis SWD State #1 (Top of Injection Interval: 4,257') | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **Well Name** | **API#** | **Well Type** | **Operator** | **Status** | **Spud Date** | **Location (Sec., Tn., Rng.)** | **Total Vertical Depth (feet)** | **Penetrate Inj. Zone?** |
| NORTH MONUMENT G/SA UNIT #002 | 30-025-05631 | O | APACHE CORPORATION | Active | 7/28/1937 | B-18-19S-37E | 4,025 | No |
| C H KYTE #002 | 30-025-05571 | G | XTO ENERGY, INC | Plugged (not released) | 11/29/1937 | O-07-19S-37E | 4,033 | No |
| STATE A 7 #002 | 30-025-05573 | G | Petroleum Exploration Company Ltd., Limited P | Active | 12/13/1957 | J-07-19S-37E | 4,095 | No |
| B M KEOHANE A #001 | 30-025-09880 | O | TEXACO EXPLORATION & PRODUCTION INC | Plugged (site released) | 6/17/1937 | A-18-19S-37E | 4,020 | No |
| NORTH MONUMENT G/SA UNIT #009 | 30-025-05568 | O | APACHE CORPORATION | Plugged (site released) | 2/10/1958 | I-07-19S-37E | 4,046 | No |
| NORTH MONUMENT G/SA UNIT #016 | 30-025-05570 | O | APACHE CORPORATION | Active | 8/30/1937 | P-07-19S-37E | 4,025 | No |
| PRE-ONGARD WELL #003 | 30-025-05572 | G | PRE-ONGARD WELL OPERATOR | Plugged (site released) | 1/15/1956 | H-07-19S-37E | 4,040 | No |
| NORTH MONUMENT G/SA UNIT #013 | 30-025-05579 | O | APACHE CORPORATION | Active | 7/29/1937 | M-08-19S-37E | 4,040 | No |
| ELBERT SHIPP NCT B COM #002 | 30-025-05578 | G | XTO ENERGY, INC | Plugged (site released) | 4/13/1951 | E-08-19S-37E | 4,030 | No |
| NORTH MONUMENT G/SA UNIT #012 | 30-025-05577 | O | APACHE CORPORATION | Active | 10/3/1937 | L-08-19S-37E | 4,040 | No |
| PRE-ONGARD WELL #002 | 30-025-05620 | O | PRE-ONGARD WELL OPERATOR | Plugged (site released) | 5/15/1937 | D-17-19S-37E | 4,030 | No |
| STATE J #006 | 30-025-32898 | G | FORTY ACRES ENERGY, LLC | Active | 6/13/1995 | D-17-19S-37E | 3,800 | No |
| PRE-ONGARD WELL #002 | 30-025-05580 | O | PRE-ONGARD WELL OPERATOR | Plugged (site released) | 2/3/1938 | N-08-19S-37E | 4,155 | No |
| **Notes:** No wells within the 1/2-mile AOR penetrate the injection interval. | | | | | | | | |

# Jameis SWD State #1 – Leasehold Plat

*(Attachment to NMOCD Form C-108, Application for Authority to Inject.)*



# Attachment 3

| Source Formation Water Analysis | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Well Name | API | Latitude | Longitude | Section | Township | Range | Unit | Ftgns | Ftgew | County | State | Formation | Sampled | PH | TDS (Mg/L) | Sodium (Mg/L) | Calcium (MG/L) | Iron (MG/L) | Magnesium (MG/L) | Manganese (MG/L) | Chloride (MG/L) | Bicarbonate (MG/L) | Sulfate (MG/L) |
| STATE NPA #001 | 3002503156 | 32.6879654 | -103.5031815 | 6 | 19S | 35E | L | 1980S | 660W | LEA | NM | BONE SPRING | 1960 | 7.7 | 25800.0 | | | | | | 14100.0 | 830.0 | 1120.0 |
| SHOOTING STAR STATE SWD #001 | 3002529805 | 32.7594261 | -103.4270935 | 11 | 18S | 35E | J | 1650S | 2310E | LEA | NM | BONE SPRING | 2001 | 6.2 | | | 15600.0 | 2.5 | 981.9 | | 148248.0 | 244.0 | 650.0 |
| SINCLAIR STATE #002 | 3002503123 | 32.7386246 | -103.4561005 | 21 | 18S | 35E | A | 660N | 660E | LEA | NM | WOLFCAMP | 1960 | 7.1 | 60950.0 | | | | | | 33568.0 | 1087.0 | 3049.0 |
| IRONHOUSE 19 STATE COM #001H | 3002540676 | 32.7266121 | -103.499527 | 19 | 18S | 35E | N | 200S | 1800W | Lea | NM | BONE SPRING 2ND SAND | 2014 | 6.4 | 182863.9 | 58171.0 | 4944.4 | 49.0 | 1892.6 | 1.4 | 113954.0 | 195.2 | 0.0 |
| IRONHOUSE 19 STATE COM #004H | 3002541245 | 32.7264938 | -103.5014343 | 19 | 18S | 35E | M | 150S | 1215W | Lea | NM | BONE SPRING 2ND SAND | 2014 | 6.2 | 189029.2 | 64016.2 | 5319.3 | 38.8 | 2044.4 | 1.5 | 113566.0 | 158.6 | 0.0 |
| IRONHOUSE 19 STATE COM #002H | 3002541094 | 32.7271118 | -103.4903336 | 19 | 18S | 35E | P | 410S | 630E | Lea | NM | BONE SPRING 2ND SAND | 2014 | 6.0 | 205332.0 | 72646.0 | 4828.0 | 39.0 | 2316.0 | 2.0 | 130450.0 | 488.0 | 1503.0 |
| IRONHOUSE 20 STATE COM #001 | 3002540611 | 32.7265129 | -103.4774857 | 20 | 18S | 35E | O | 200S | 1980E | Lea | NM | BONE SPRING 2ND SAND | 2014 | 6.1 | 186865.0 | 65638.0 | 4698.0 | 16.0 | 1700.0 | 1.0 | 116510.0 | 1098.0 | 1804.0 |
| IRONHOUSE 20 STATE #002H | 3002540748 | 32.7265129 | -103.4731903 | 20 | 18S | 35E | P | 200S | 660E | Lea | NM | BONE SPRING 2ND SAND | 2014 | 6.6 | 196865.0 | 66738.0 | 4631.0 | 23.0 | 1790.0 | 1.0 | 116580.0 | 1298.0 | 1894.0 |
| IRONHOUSE 19 STATE COM #003H | 3002541050 | 32.7264977 | -103.4941711 | 19 | 18S | 35E | O | 175S | 1810E | Lea | NM | BONE SPRING 2ND SAND | 2014 | 6.2 | 178457.0 | 56874.0 | 6125.0 | 22.0 | 1457.0 | 1.0 | 125412.0 | 845.0 | 849.0 |
| HAMON STATE #001 | 3002503140 | 32.7175827 | -103.4464035 | 27 | 18S | 35E | K | 2310S | 2310W | LEA | NM | BONE SPRING | | | 154510.0 | | | | | | 96360.0 | 430.0 | 1210.0 |
| LEA 403 STATE #001 | 3002503126 | 32.7386093 | -103.4518051 | 22 | 18S | 35E | D | 660N | 660W | LEA | NM | BONE SPRING | 1958 | 6.7 | 255451.0 | | | | | | 156699.0 | 327.0 | 779.0 |

# Attachment 4

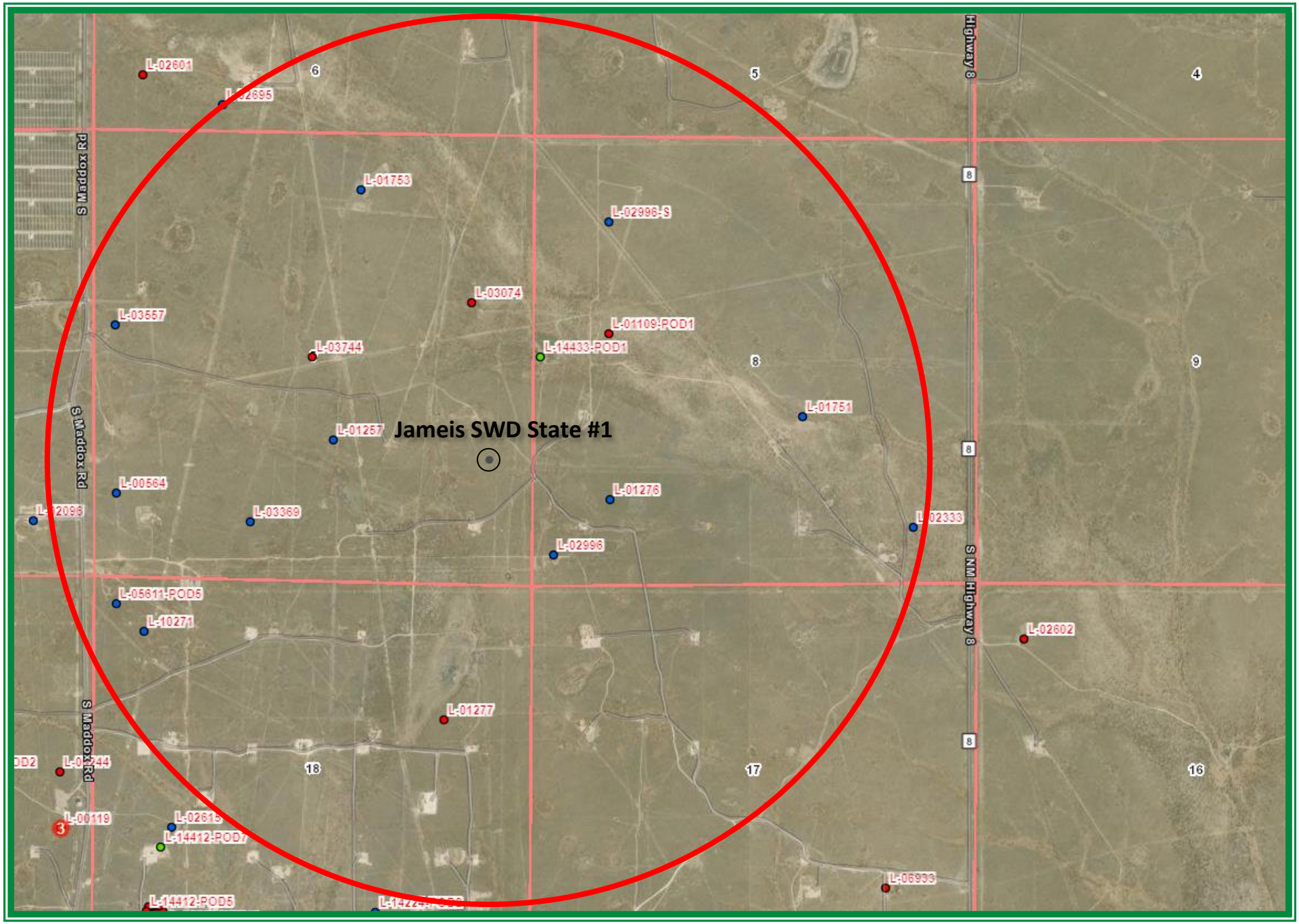
| Injection Formation Water Analysis | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Well Name | API | Latitude | Longitude | Section | Township | Range | Unit | Ftgns | Ftgew | County | State | Formation | Sampled | PH | TDS (Mg/L) | Chloride (MG/L) | Bicarbonate (MG/L) | Sulfate (MG/L) |
| B V CULP NCT A #008 | 3002505640 | 32.6467896 | -103.2919235 | 19 | 19S | 37E | F | 2310N | 2239W | LEA | NM | SAN ANDRES | | | 10905 | 2350 | 1100 | 3700 |
| B V CULP NCT A #008 | 3002505640 | 32.6467896 | -103.2919235 | 19 | 19S | 37E | F | 2310N | 2239W | LEA | NM | SAN ANDRES | | | 26735 | 14500 | 1370 | 1020 |
| B V CULP NCT A #008 | 3002505640 | 32.6467896 | -103.2919235 | 19 | 19S | 37E | F | 2310N | 2239W | LEA | NM | SAN ANDRES | | | 40250 | 20800 | 1390 | 3100 |
| B V CULP NCT A #008 | 3002505640 | 32.6467896 | -103.2919235 | 19 | 19S | 37E | F | 2310N | 2239W | LEA | NM | SAN ANDRES | | | 71110 | 39800 | 810 | 3500 |
| B V CULP NCT A #008 | 3002505640 | 32.6467896 | -103.2919235 | 19 | 19S | 37E | F | 2310N | 2239W | LEA | NM | SAN ANDRES | | | 156218 | 95130 | 176 | 771 |
| NORTH MONUMENT G/SA UNIT #001 | 3002505647 | 32.6512489 | -103.2843475 | 19 | 19S | 37E | A | 660N | 660E | Lea | NM | SAN ANDRES | 1964 | 6.0 | | 10200 | 592 | 1938 |
| GOODWIN #002 | 3002520651 | 32.7204323 | -103.2928467 | 30 | 18S | 37E | F | 1980N | 1980W | LEA | NM | SAN ANDRES | | | 80467 | 45060 | 1492 | 3315 |
| GOODWIN #002 | 3002520651 | 32.7204323 | -103.2928467 | 30 | 18S | 37E | F | 1980N | 1980W | LEA | NM | SAN ANDRES | | | 69848 | 39130 | 1225 | 3114 |
| NORTH HOBBS UNIT #001 | 3002505449 | 32.7530632 | -103.21138 | 13 | 18S | 37E | D | 660N | 660W | LEA | NM | SAN ANDRES | 1960 | 8.0 | 12100 | 4500 | 504 | 2300 |
| NORTH HOBBS UNIT #001 | 3002505449 | 32.7530632 | -103.21138 | 13 | 18S | 37E | D | 660N | 660W | LEA | NM | SAN ANDRES | | | 12100 | 4541 | 509 | 2321 |
| BOBBI STATE WF UNIT #006 | 3002503978 | 32.7231979 | -103.373436 | 29 | 18S | 36E | B | 990N | 1650E | LEA | NM | SAN ANDRES | | | 20882 | 11190 | 645 | 1232 |
| STATE NG #001 | 3002522795 | 32.7349815 | -103.3057404 | 24 | 18S | 36E | G | 1980N | 1980E | LEA | NM | SAN ANDRES | 1968 | 6.5 | 265665 | 157000 | 98 | 5400 |
| STATE NG #001 | 3002522795 | 32.7349815 | -103.3057404 | 24 | 18S | 36E | G | 1980N | 1980E | LEA | NM | SAN ANDRES | 1968 | 6.3 | 203913 | 122000 | 110 | 3000 |
| GRAHAM STATE NCT F #003 | 3002512476 | 32.6149902 | -103.3056641 | 36 | 19S | 36E | J | 1980S | 1980E | LEA | NM | SAN ANDRES | 1900 | 6.5 | | 16406 | 611 | |
| NORTHWEST EUMONT UNIT #156 | 3002504099 | 32.617733 | -103.3518143 | 33 | 19S | 36E | H | 2310N | 330E | Lea | NM | SAN ANDRES | 1960 | 7.0 | | 38119 | 405 | 4317 |
| GRAHAM STATE NCT F #003 | 3002512476 | 32.6149902 | -103.3056641 | 36 | 19S | 36E | J | 1980S | 1980E | Lea | NM | SAN ANDRES | 1964 | 6.5 | | 16406 | 611 | |
| GRAHAM STATE NCT F #003 | 3002512476 | 32.6149902 | -103.3056641 | 36 | 19S | 36E | J | 1980S | 1980E | LEA | NM | SAN ANDRES | | | 26344 | | | |
| E M E SWD #008 | 3002506017 | 32.5895042 | -103.2725601 | 8 | 20S | 37E | G | 1980N | 2310E | LEA | NM | SAN ANDRES | 1964 | 8.5 | 65365 | 36905 | 560 | 1460 |
| THEODORE ANDERSON #002 | 3002506139 | 32.5785942 | -103.2758102 | 17 | 20S | 37E | C | 660N | 1980W | Lea | NM | SAN ANDRES | 1964 | 6.7 | | 67245 | 564 | 489 |
| E M E SWD #008 | 3002506017 | 32.5895042 | -103.2725601 | 8 | 20S | 37E | G | 1980N | 2310E | LEA | NM | SAN ANDRES | | | 65361 | 36900 | 560 | 1460 |
| EUNICE MONUMENT UNIT #031 | 3002506169 | 32.5531693 | -103.2843781 | 19 | 20S | 37E | P | 660S | 660E | LEA | NM | SAN ANDRES | | | 91120 | 59850 | 0 | 722 |

# Attachment 5

| Water Well Sampling Table | | | | | |
|---|---|---|---|---|---|
| **Water Well ID** | **OSE Status** | **Owner** | **Available Contact Information** | **Use** | **Notes** |
| L 03557 | Active | VERSADO GAS PROCESSORS LLC | Versado Gas Processors, Llc Po Box 1909 Eunice, NM 88235 | Industrial | Industrial use - not fresh water supply well |
| L 01109 POD1 | Plugged | GULF OIL CORPORTATION | Gulf Oil Corportation Box 1290 Fort Worth, TX | Prospecting | Plugged - O&G Prospecting - not fresh water supply well |
| L 01257 | Active | GULF OIL CORPORATION | Gulf Oil Corportation Box 1290 Fort Worth, TX | Prospecting | O&G Prospecting - not fresh water supply well |
| L 01276 | Active | GULF OIL CORPORATION | Gulf Oil Corportation Box 1290 Fort Worth, TX | Prospecting | O&G Prospecting - not fresh water supply well |
| L 01277 | Plugged | GULF OIL CORPORATION | Gulf Oil Corportation Box 1290 Fort Worth, TX | Prospecting | Plugged - O&G Prospecting - not fresh water supply well |
| L 02333 | Active | ROGERS INC | J W Rogers Inc Hobbs, NM | Prospecting | O&G Prospecting - not fresh water supply well |
| L 10271 | Active | SNYDER RANCHES INC. | Snyder Ranches Inc. P.o. Box 2158 Hobbs, NM 88240 | Commercial | No additional samples needed. |
| L 03074 | Plugged | OSCAR BOURG DRILLING COMPANY | Oscar Bourg Drilling Company C/o O R Musslewhite Box 56 Hobbs, NM | Prospecting | Plugged - O&G Prospecting - not fresh water supply well |
| L 03369 | Active | VELMA PETROLEUM COMPANY | Velma Petroleum Company Box 1955 Hobbs, NM | Prospecting | O&G Prospecting - not fresh water supply well |
| L 02695 | Active | THE TEXAS COMPANY | The Texas Company Box Ff Hobbs, NM | Prospecting | O&G Prospecting - not fresh water supply well |
| L 03744 | Plugged | HOWARD P HOLMES DRILLING CONT. | Howard P Holmes Drilling Cont. Box 667 Hobbs, NM | Prospecting | Plugged - O&G Prospecting - not fresh water supply well |
| L 01751 | Active | HUSTON JR. | Robert H. Huston, Jr. Box 1082 Hobbs, NM | Irrigation | OSE Records indicate water right was cancelled. |
| L 01753 | Active | HUSTON JR. | Robert H. Huston, Jr. Box 1082 Hobbs, NM | Irrigation | OSE Records indicate water right was cancelled. |
| L 00564 | Active | VERSADO GAS PROCESSORS LLC | Versado Gas Processors, Llc Po Box 1909 Eunice, NM 88235 | Industrial | **Sample collected 7/26/2023** |
| L 05611 POD5 | Active | MONUMENT WATER USERS COOP. | Monument Water Users Coop. Po Box 48 Monument, NM 88265 | Municipal | **Sample collected 7/26/2023** |
| L 02996 | Active | VERSADO GAS PROCESSORS LLC | Versado Gas Processors, Llc Po Box 1909 Euncie, NM 88235 | Industrial | **Sample collected 7/12/2023** |
| L 02996 S | Active | VERSADO GAS PROCESSORS LLC | Versado Gas Processors, Llc Po Box 1909 Euncie, NM 88235 | Industrial | Industrial use - not fresh water supply well |
| L 14433 POD1 | Pending | HUSTON RANCH NO 1 LLC | Huston Ranch No 1 Llc Po Drawer 1599 Lovington, NM 88260 | Livestock watering | **Sample collected 7/12/2023** |
| Notes: | | | | | |

# Jameis SWD State #1 – Water Well Map

(Attachment to NMOCD Form C-108, Application for Authorization to Inject)



HALL ENVIRONMENTAL ANALYSIS LABORATORY

*Hall Environmental Analysis Laboratory*
*4901 Hawkins NE*
*Albuquerque, NM 87109*
*TEL: 505-345-3975 FAX: 505-345-4107*
*Website: www.hallenvironmental.com*

August 09, 2023

Brian Wood

Permits West
37 Verano Loop
Santa Fe, NM 87508
TEL: (505) 466-8120
FAX: (505) 466-9682

Sample ID "Pump Tank" is from Water Well L-00564
and Sample ID "PWRTank" is from Water Well L-05611-POD5

RE: Pilot OrderNo.: 2307D30

Dear Brian Wood:

Hall Environmental Analysis Laboratory received 2 sample(s) on 7/27/2023 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

**Analytical Report**
Lab Order **2307D30**
Date Reported: **8/9/2023**

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** Permits West
**Client Sample ID:** PWRTank
**Project:** Pilot
**Collection Date:** 7/26/2023 10:10:00 AM
**Lab ID:** 2307D30-001 **Matrix:** AQUEOUS **Received Date:** 7/27/2023 9:55:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|
| **EPA METHOD 1664B** | | | | | | Analyst: **SMS** | |
| N-Hexane Extractable Material | ND | 5.06 | | mg/L | 1 | 8/4/2023 5:29:00 PM | 76563 |
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: **JMT** | |
| Chloride | 29 | 2.5 | | mg/L | 5 | 7/27/2023 2:20:37 PM | R98559 |
| **SM2540C MOD: TOTAL DISSOLVED SOLIDS** | | | | | | Analyst: **JAG** | |
| Total Dissolved Solids | 332 | 100 | D | mg/L | 1 | 7/31/2023 4:18:00 PM | 76539 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| PQL | Practical Quanitative Limit | RL | Reporting Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

**Analytical Report**
Lab Order **2307D30**
Date Reported: **8/9/2023**

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** Permits West
**Client Sample ID:** Pump Tank
**Project:** Pilot
**Collection Date:** 7/26/2023 10:30:00 AM
**Lab ID:** 2307D30-002 **Matrix:** AQUEOUS **Received Date:** 7/27/2023 9:55:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|
| **EPA METHOD 1664B** | | | | | | Analyst: **SMS** | |
| N-Hexane Extractable Material | ND | 4.83 | | mg/L | 1 | 8/4/2023 5:29:00 PM | 76563 |
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: **JMT** | |
| Chloride | 65 | 2.5 | | mg/L | 5 | 7/27/2023 2:46:22 PM | R98559 |
| **SM2540C MOD: TOTAL DISSOLVED SOLIDS** | | | | | | Analyst: **JAG** | |
| Total Dissolved Solids | 452 | 50.0 | | mg/L | 1 | 7/31/2023 4:18:00 PM | 76539 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| PQL | Practical Quanitative Limit | RL | Reporting Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2307D30**

***09-Aug-23***

**Client:** Permits West

**Project:** Pilot

| Sample ID: **MB-76563** | SampType: **MBLK** | TestCode: **EPA Method 1664B** |
|---|---|---|
| Client ID: **PBW** | Batch ID: **76563** | RunNo: **98748** |
| Prep Date: **8/1/2023** | Analysis Date: **8/4/2023** | SeqNo: **3596785** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| N-Hexane Extractable Material | ND | 5.00 | | | | | | | | |
| Silica Gel Treated N-Hexane Extract | ND | 5.00 | | | | | | | | |

| Sample ID: **LCS-76563** | SampType: **LCS-1L** | TestCode: **EPA Method 1664B** |
|---|---|---|
| Client ID: **BatchQC** | Batch ID: **76563** | RunNo: **98748** |
| Prep Date: **8/1/2023** | Analysis Date: **8/4/2023** | SeqNo: **3596786** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| N-Hexane Extractable Material | 36.3 | 5.00 | 40.00 | 0 | 90.8 | 78 | 114 | | | |
| Silica Gel Treated N-Hexane Extract | 12.9 | 5.00 | 20.00 | 0 | 64.5 | 64 | 132 | | | |

| Sample ID: **LCSD-76563** | SampType: **LCSD-1L** | TestCode: **EPA Method 1664B** |
|---|---|---|
| Client ID: **BatchQC** | Batch ID: **76563** | RunNo: **98748** |
| Prep Date: **8/1/2023** | Analysis Date: **8/4/2023** | SeqNo: **3596787** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| N-Hexane Extractable Material | 35.3 | 5.00 | 40.00 | 0 | 88.3 | 78 | 114 | 2.79 | 20 | |
| Silica Gel Treated N-Hexane Extract | 13.1 | 5.00 | 20.00 | 0 | 65.5 | 64 | 132 | 1.54 | 20 | |

**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| PQL | Practical Quanitative Limit | RL | Reporting Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2307D30**

***09-Aug-23***

**Client:** Permits West

**Project:** Pilot

| Sample ID: **MB** | SampType: **mblk** | TestCode: **EPA Method 300.0: Anions** |
|---|---|---|
| Client ID: **PBW** | Batch ID: **R98559** | RunNo: **98559** |
| Prep Date: | Analysis Date: **7/27/2023** | SeqNo: **3589058** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | ND | 0.50 | | | | | | | | |

| Sample ID: **LCS** | SampType: **lcs** | TestCode: **EPA Method 300.0: Anions** |
|---|---|---|
| Client ID: **LCSW** | Batch ID: **R98559** | RunNo: **98559** |
| Prep Date: | Analysis Date: **7/27/2023** | SeqNo: **3589059** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 4.9 | 0.50 | 5.000 | 0 | 97.1 | 90 | 110 | | | |

| Sample ID: **MB** | SampType: **MBLK** | TestCode: **EPA Method 300.0: Anions** |
|---|---|---|
| Client ID: **PBW** | Batch ID: **R98559** | RunNo: **98559** |
| Prep Date: | Analysis Date: **7/27/2023** | SeqNo: **3589173** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | ND | 0.50 | | | | | | | | |

**Qualifiers:**

| | |
|---|---|
| * | Value exceeds Maximum Contaminant Level. |
| D | Sample Diluted Due to Matrix |
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected at the Reporting Limit |
| PQL | Practical Quanitative Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. |
| B | Analyte detected in the associated Method Blank |
| E | Above Quantitation Range/Estimated Value |
| J | Analyte detected below quantitation limits |
| P | Sample pH Not In Range |
| RL | Reporting Limit |

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2307D30**

***09-Aug-23***

**Client:** Permits West

**Project:** Pilot

| Sample ID: **MB-76539** | SampType: **MBLK** | TestCode: **SM2540C MOD: Total Dissolved Solids** |
|---|---|---|
| Client ID: **PBW** | Batch ID: **76539** | RunNo: **98611** |
| Prep Date: **7/28/2023** | Analysis Date: **7/31/2023** | SeqNo: **3591121** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | ND | 50.0 | | | | | | | | |

| Sample ID: **LCS-76539** | SampType: **LCS** | TestCode: **SM2540C MOD: Total Dissolved Solids** |
|---|---|---|
| Client ID: **LCSW** | Batch ID: **76539** | RunNo: **98611** |
| Prep Date: **7/28/2023** | Analysis Date: **7/31/2023** | SeqNo: **3591122** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | 1000 | 50.0 | 1000 | 0 | 100 | 80 | 120 | | | |

**Qualifiers:**

| | |
|---|---|
| * | Value exceeds Maximum Contaminant Level. |
| D | Sample Diluted Due to Matrix |
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected at the Reporting Limit |
| PQL | Practical Quanitative Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. |
| B | Analyte detected in the associated Method Blank |
| E | Above Quantitation Range/Estimated Value |
| J | Analyte detected below quantitation limits |
| P | Sample pH Not In Range |
| RL | Reporting Limit |

HALL ENVIRONMENTAL ANALYSIS LABORATORY

*Hall Environmental Analysis Laboratory*
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*Albuquerque, NM 87109*
*TEL: 505-345-3975 FAX: 505-345-4107*
*Website: www.hallenvironmental.com*

# Sample Log-In Check List

Client Name: Permits West | Work Order Number: 2307D30 | RcptNo: 1

Received By: Steve McQuiston 7/27/2023 9:55:00 AM

Completed By: Desiree Dominguez 7/27/2023 10:02:07 AM

Reviewed By: 7-27-23

## Chain of Custody

| | | | |
|---|---|---|---|
| 1. Is Chain of Custody complete? | Yes ☑ | No ☐ | Not Present ☐ |
| 2. How was the sample delivered? | Client | | |

## Log In

| | | | |
|---|---|---|---|
| 3. Was an attempt made to cool the samples? | Yes ☑ | No ☐ | NA ☐ |
| 4. Were all samples received at a temperature of >0° C to 6.0°C | Yes ☑ | No ☐ | NA ☐ |
| 5. Sample(s) in proper container(s)? | Yes ☑ | No ☐ | |
| 6. Sufficient sample volume for indicated test(s)? | Yes ☑ | No ☐ | |
| 7. Are samples (except VOA and ONG) properly preserved? | Yes ☑ | No ☐ | |
| 8. Was preservative added to bottles? | Yes ☐ | No ☑ | NA ☐ |
| 9. Received at least 1 vial with headspace <1/4" for AQ VOA? | Yes ☐ | No ☐ | NA ☑ |
| 10. Were any sample containers received broken? | Yes ☐ | No ☑ | |
| 11. Does paperwork match bottle labels? (Note discrepancies on chain of custody) | Yes ☑ | No ☐ | |
| 12. Are matrices correctly identified on Chain of Custody? | Yes ☐ | No ☑ | |
| 13. Is it clear what analyses were requested? | Yes ☑ | No ☐ | |
| 14. Were all holding times able to be met? (If no, notify customer for authorization.) | Yes ☑ | No ☐ | |

# of preserved bottles checked for pH: _____ (<2 or >12 unless noted)

Adjusted? _____

Checked by: SCM 07/27/23

## Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

16. Additional remarks:

17. **Cooler Information**

| Cooler No | Temp °C | Condition | Seal Intact | Seal No | Seal Date | Signed By |
|---|---|---|---|---|---|---|
| 1 | 4.4 | Good | Not Present | Morty | | |

# Chain-of-Custody Record

Client: PERMITS WEST

Mailing Address: 37 Verano SF NM 87508

Phone #: 505 466 8120

email or Fax#: brian@permitswest.com

QA/QC Package: ☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance ☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time: ☐ Standard ☐ Rush

Project Name: Pilot

Project #:

Project Manager: B Wood

Sampler:

On Ice: ☐ Yes ☐ No

# of Coolers: 1 MARTY

Cooler Temp (including CF): 4.6-0.2=4.4 (°C)

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

| Date | Time | Matrix | Sample Name | Container Type and # | Preservative Type | HEAL No. 2307D30 |
|---|---|---|---|---|---|---|
| 7-26 | 1010 | AQ | pour tank | | | -001 |
| 7-26 | 1030 | AQ | pump tank | | | -002 |
| | | DAD 7-27-23 | | | | |

Analysis Request

| BTEX / MTBE / TMB's (8021) | TPH:8015D(GRO / DRO / MRO) | 8081 Pesticides/8082 PCB's | EDB (Method 504.1) | PAHs by 8310 or 8270SIMS | RCRA 8 Metals | Cl, F, Br, $NO_3$, $NO_2$, $PO_4$, $SO_4$ | 8260 (VOA) | 8270 (Semi-VOA) | Total Coliform (Present/Absent) | TDS | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ✓ | | | | ✓ | ✓ |

| Date | Time | Relinquished by: | Received by: | Via: | Date | Time |
|---|---|---|---|---|---|---|
| | | | | | | |
| 7-27 | 0955 | | SCM | CDO | 07/27/23 | 0955 |

Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

HALL ENVIRONMENTAL ANALYSIS LABORATORY

*Hall Environmental Analysis Laboratory*
*4901 Hawkins NE*
*Albuquerque, NM 87109*
*TEL: 505-345-3975 FAX: 505-345-4107*
*Website: www.hallenvironmental.com*

July 25, 2023

Brian Wood

Permits West
37 Verano Loop
Santa Fe, NM 87508
TEL: (505) 466-8120
FAX: (505) 466-9682

Sample ID "Tank 1" is from Water Well L-02996
and Sample ID "WM Pond" is from Water Well L-14433-POD1

RE: Pi OrderNo.: 2307569

Dear Brian Wood:

Hall Environmental Analysis Laboratory received 2 sample(s) on 7/13/2023 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

HALL ENVIRONMENTAL ANALYSIS LABORATORY

*Hall Environmental Analysis Laboratory*
*4901 Hawkins NE*
*Albuquerque, NM 87109*
*TEL: 505-345-3975 FAX: 505-345-4107*
*Website: www.hallenvironmental.com*

# Case Narrative

WO#: **2307569**
Date: **7/25/2023**

**CLIENT:** Permits West
**Project:** Pi

Analytical Notes Regarding EPA Method 1664:
A matrix spike was not performed with this batch of samples.

**Analytical Report**
Lab Order **2307569**
Date Reported: **7/25/2023**

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** Permits West
**Client Sample ID:** Tank 1
**Project:** Pi
**Collection Date:** 7/12/2023 1:30:00 PM
**Lab ID:** 2307569-001 **Matrix:** AQUEOUS **Received Date:** 7/13/2023 10:18:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|
| **EPA METHOD 1664B** | | | | | | Analyst: **SMS** | |
| N-Hexane Extractable Material | ND | 9.58 | | mg/L | 1 | 7/19/2023 7:21:00 PM | 76250 |
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: **JMT** | |
| Chloride | 85 | 2.5 | | mg/L | 5 | 7/13/2023 5:30:18 PM | R98202 |
| **SM2540C MOD: TOTAL DISSOLVED SOLIDS** | | | | | | Analyst: **JAG** | |
| Total Dissolved Solids | 448 | 50.0 | | mg/L | 1 | 7/19/2023 2:20:00 PM | 76283 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| PQL | Practical Quanitative Limit | RL | Reporting Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

**Analytical Report**
Lab Order **2307569**
Date Reported: **7/25/2023**

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** Permits West
**Client Sample ID:** WM Pond
**Project:** Pi
**Collection Date:** 7/12/2023 12:45:00 PM
**Lab ID:** 2307569-002 **Matrix:** AQUEOUS **Received Date:** 7/13/2023 10:18:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|
| **EPA METHOD 1664B** | | | | | | Analyst: **SMS** | |
| N-Hexane Extractable Material | ND | 10.9 | | mg/L | 1 | 7/19/2023 7:21:00 PM | 76250 |
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: **JMT** | |
| Chloride | 160 | 5.0 | | mg/L | 10 | 7/13/2023 5:55:00 PM | R98202 |
| **SM2540C MOD: TOTAL DISSOLVED SOLIDS** | | | | | | Analyst: **JAG** | |
| Total Dissolved Solids | 910 | 100 | *D | mg/L | 1 | 7/19/2023 2:20:00 PM | 76283 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| PQL | Practical Quanitative Limit | RL | Reporting Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2307569**

***25-Jul-23***

**Client:** Permits West

**Project:** Pi

| Sample ID: **MB-76250** | SampType: **MBLK** | TestCode: **EPA Method 1664B** | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Client ID: **PBW** | Batch ID: **76250** | RunNo: **98341** | | | | | | | |
| Prep Date: **7/17/2023** | Analysis Date: **7/19/2023** | SeqNo: **3579205** | Units: **mg/L** | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| N-Hexane Extractable Material | ND | 10.0 | | | | | | | | |

| Sample ID: **LCS-76250** | SampType: **LCS** | TestCode: **EPA Method 1664B** | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Client ID: **LCSW** | Batch ID: **76250** | RunNo: **98341** | | | | | | | |
| Prep Date: **7/17/2023** | Analysis Date: **7/19/2023** | SeqNo: **3579206** | Units: **mg/L** | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| N-Hexane Extractable Material | 34.6 | 10.0 | 40.00 | 0 | 86.5 | 78 | 114 | | | |

| Sample ID: **LCSD-76250** | SampType: **LCSD** | TestCode: **EPA Method 1664B** | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Client ID: **LCSS02** | Batch ID: **76250** | RunNo: **98341** | | | | | | | |
| Prep Date: **7/17/2023** | Analysis Date: **7/19/2023** | SeqNo: **3579207** | Units: **mg/L** | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| N-Hexane Extractable Material | 36.4 | 10.0 | 40.00 | 0 | 91.0 | 78 | 114 | 5.07 | 20 | |

**Qualifiers:**

| | |
|---|---|
| * | Value exceeds Maximum Contaminant Level. |
| D | Sample Diluted Due to Matrix |
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected at the Reporting Limit |
| PQL | Practical Quanitative Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. |
| B | Analyte detected in the associated Method Blank |
| E | Above Quantitation Range/Estimated Value |
| J | Analyte detected below quantitation limits |
| P | Sample pH Not In Range |
| RL | Reporting Limit |

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2307569**

***25-Jul-23***

**Client:** Permits West

**Project:** Pi

| Sample ID: **MB** | SampType: **mblk** | TestCode: **EPA Method 300.0: Anions** |
|---|---|---|
| Client ID: **PBW** | Batch ID: **R98202** | RunNo: **98202** |
| Prep Date: | Analysis Date: **7/13/2023** | SeqNo: **3573573** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | ND | 0.50 | | | | | | | | |

| Sample ID: **LCS** | SampType: **lcs** | TestCode: **EPA Method 300.0: Anions** |
|---|---|---|
| Client ID: **LCSW** | Batch ID: **R98202** | RunNo: **98202** |
| Prep Date: | Analysis Date: **7/13/2023** | SeqNo: **3573574** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 4.6 | 0.50 | 5.000 | 0 | 92.9 | 90 | 110 | | | |

**Qualifiers:**

| | |
|---|---|
| * | Value exceeds Maximum Contaminant Level. |
| D | Sample Diluted Due to Matrix |
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected at the Reporting Limit |
| PQL | Practical Quanitative Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. |
| B | Analyte detected in the associated Method Blank |
| E | Above Quantitation Range/Estimated Value |
| J | Analyte detected below quantitation limits |
| P | Sample pH Not In Range |
| RL | Reporting Limit |

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2307569**

***25-Jul-23***

**Client:** Permits West

**Project:** Pi

| Sample ID: **MB-76283** | SampType: **MBLK** | TestCode: **SM2540C MOD: Total Dissolved Solids** |
|---|---|---|
| Client ID: **PBW** | Batch ID: **76283** | RunNo: **98335** |
| Prep Date: **7/18/2023** | Analysis Date: **7/19/2023** | SeqNo: **3578905** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | ND | 50.0 | | | | | | | | |

| Sample ID: **LCS-76283** | SampType: **LCS** | TestCode: **SM2540C MOD: Total Dissolved Solids** |
|---|---|---|
| Client ID: **LCSW** | Batch ID: **76283** | RunNo: **98335** |
| Prep Date: **7/18/2023** | Analysis Date: **7/19/2023** | SeqNo: **3578906** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | 1020 | 50.0 | 1000 | 0 | 102 | 80 | 120 | | | |

**Qualifiers:**

| | |
|---|---|
| * | Value exceeds Maximum Contaminant Level. |
| D | Sample Diluted Due to Matrix |
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected at the Reporting Limit |
| PQL | Practical Quanitative Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. |
| B | Analyte detected in the associated Method Blank |
| E | Above Quantitation Range/Estimated Value |
| J | Analyte detected below quantitation limits |
| P | Sample pH Not In Range |
| RL | Reporting Limit |

HALL ENVIRONMENTAL ANALYSIS LABORATORY

*Hall Environmental Analysis Laboratory*
*4901 Hawkins NE*
*Albuquerque, NM 87109*
*TEL: 505-345-3975 FAX: 505-345-4107*
*Website: www.hallenvironmental.com*

# Sample Log-In Check List

Client Name: Permits West | Work Order Number: 2307569 | RcptNo: 1

Received By: Steve McQuiston 7/13/2023 10:18:00 AM

Completed By: Cheyenne Cason 7/13/2023 10:59:52 AM

Reviewed By: JW 7/13/23

## Chain of Custody

| | | | |
|---|---|---|---|
| 1. Is Chain of Custody complete? | Yes ☑ | No ☐ | Not Present ☐ |
| 2. How was the sample delivered? | Client | | |

## Log In

| | | | |
|---|---|---|---|
| 3. Was an attempt made to cool the samples? | Yes ☑ | No ☐ | NA ☐ |
| 4. Were all samples received at a temperature of >0° C to 6.0°C | Yes ☐ | No ☑ | NA ☐ |
| 5. Sample(s) in proper container(s)? | Yes ☑ | No ☐ | Not required |
| 6. Sufficient sample volume for indicated test(s)? | Yes ☑ | No ☐ | |
| 7. Are samples (except VOA and ONG) properly preserved? | Yes ☑ | No ☐ | |
| 8. Was preservative added to bottles? | Yes ☐ | No ☑ | NA ☐ |
| 9. Received at least 1 vial with headspace <1/4" for AQ VOA? | Yes ☐ | No ☐ | NA ☑ |
| 10. Were any sample containers received broken? | Yes ☐ | No ☑ | |
| 11. Does paperwork match bottle labels? (Note discrepancies on chain of custody) | Yes ☑ | No ☐ | |
| 12. Are matrices correctly identified on Chain of Custody? | Yes ☑ | No ☐ | |
| 13. Is it clear what analyses were requested? | Yes ☑ | No ☐ | |
| 14. Were all holding times able to be met? (If no, notify customer for authorization.) | Yes ☑ | No ☐ | |

# of preserved bottles checked for pH: _____ (<2 or >12 unless noted)

Adjusted? _____

Checked by: JA 7-13-23

## Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

16. Additional remarks:

17. **Cooler Information**

| Cooler No | Temp °C | Condition | Seal Intact | Seal No | Seal Date | Signed By |
|---|---|---|---|---|---|---|
| 1 | 14.3 | Good | Not Present | Morty | | |

# Chain-of-Custody Record

Client: Permits West

Mailing Address: 37 Verano SF NM 87508

Phone #: 505 466 8120

email or Fax#: brian@

QA/QC Package: permitswest.com

☑ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance ☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time: ☑ Standard ☐ Rush

Project Name: P

Project #: Lea

Project Manager: Brian Wood

Sampler:

On Ice: ☑ Yes ☐ No Marty

# of Coolers: 1

Cooler Temp(including CF): 14.3 -0.1 = 14.2 (°C)

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

| Date | Time | Matrix | Sample Name | Container Type and # | Preservative Type | HEAL No. 2307569 | BTEX / MTBE / TMB's (8021) | TPH:8015D(GRO / DRO / MRO) | 8081 Pesticides/8082 PCB's | EDB (Method 504.1) | PAHs by 8310 or 8270SIMS | RCRA 8 Metals | Cl, F, Br, $NO_3$, $NO_2$, $PO_4$, $SO_4$ | 8260 (VOA) | 8270 (Semi-VOA) | Total Coliform (Present/Absent) | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7.12 | 1224 | AQ | tank 1 | | | 001 | | | | | | | ✓ | | | | ✓ | ✓ | ✓ | | | |
| " | " | | | | | ⊥ | | | | | | | | | | | | | | | | |
| " | 1245 | | WM pond | | | 002 | | | | | | | ✓ | | | | ✓ | ✓ | ✓ | | | |
| " | 1245 | | | | | ⊥ | | | | | | | | | | | | | | | | |

| Date: | Time: | Relinquished by: | Received by: | Via: | Date | Time |
|---|---|---|---|---|---|---|
| 7.13 | 1017 | | SCM | CDO | 07/13/23 | 1018 |
| Date: | Time: | Relinquished by: | Received by: | Via: | Date | Time |

Remarks: Temp approved over 7/13/23

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

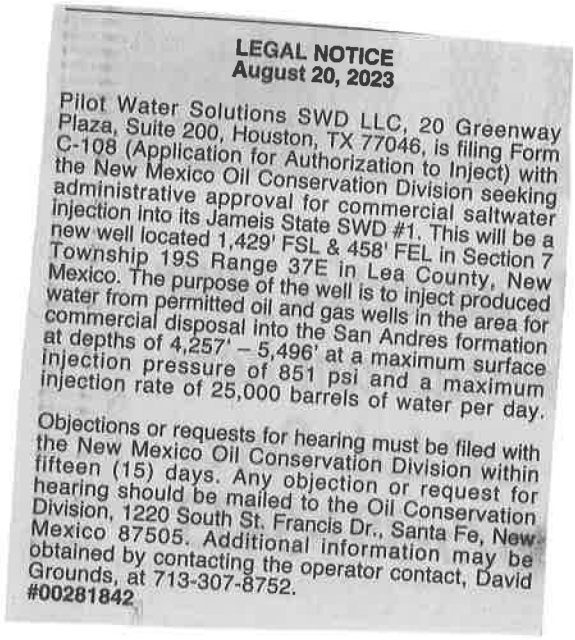
# Attachment 6

# 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
August 20, 2023
and ending with the issue dated
August 20, 2023.



**LEGAL NOTICE**
**August 20, 2023**

Pilot Water Solutions SWD LLC, 20 Greenway Plaza, Suite 200, Houston, TX 77046, is filing Form C-108 (Application for Authorization to Inject) with the New Mexico Oil Conservation Division seeking administrative approval for commercial saltwater injection into its Jameis State SWD #1. This will be a new well located 1,429' FSL & 458' FEL in Section 7 Township 19S Range 37E in Lea County, New Mexico. The purpose of the well is to inject produced water from permitted oil and gas wells in the area for commercial disposal into the San Andres formation at depths of 4,257' – 5,496' at a maximum surface injection pressure of 851 psi and a maximum injection rate of 25,000 barrels of water per day.

Objections or requests for hearing must be filed with the New Mexico Oil Conservation Division within fifteen (15) days. Any objection or request for hearing should be mailed to the Oil Conservation Division, 1220 South St. Francis Dr., Santa Fe, New Mexico 87505. Additional information may be obtained by contacting the operator contact, David Grounds, at 713-307-8752.
#00281842

Publisher

Sworn and subscribed to before me this
20th day of August 2023.

Business Manager

My commission expires
January 29, 2027
(Seal)

STATE OF NEW MEXICO
NOTARY PUBLIC
GUSSIE RUTH BLACK
COMMISSION # 1087526
COMMISSION EXPIRES 01/29/2027

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 publication has been made.

67117907 00281842

NATE ALLEMAN
ACE ENERGY ADVISORS
501 E. FRANK PHILLIPS BLVD.
SUITE 201
BARTLESVILLE, OK 74006

## Statement of Notification

A copy of the C-108 application has been provided to the following Affected Persons as notification of the subject Application for Authorization to Inject (C-108).

| Entity Name | Entity Address | Mailing Date |
|---|---|---|
| **Surface Owner** | | |
| STATE LAND OFFICE | P.O. Box 1148, Santa Fe, NM 87504 | 08/23/2023 |
| **Mineral Owners (BLM/SLO or Unleased Tracts)** | | |
| STATE LAND OFFICE | P.O. Box 1148, Santa Fe, NM 87504 | 08/23/2023 |
| **OCD District** | | |
| OCD - DISTRICT 1 | 1625 N. French Drive, Hobbs, NM 88240 | 08/23/2023 |
| **Applicable Affected Persons** | | |
| SOUTHWEST ROYALTIES INC | 6 DESTA DRIVE, MIDLAND, TX 79705 | 08/23/2023 |
| CONOCOPHILLIPS COMPANY | 10 DESTA DRIVE, MIDLAND, TX 79705 | 08/23/2023 |
| XTO ENERGY | 500 W, ILLINOIS, SUITE 100, MIDLAND, TX 79701 | 08/23/2023 |
| TIERRA EXPL | P.O BOX 56, MIDLAND, TX 79702 | 08/23/2023 |
| OCCIDENTAL PERMIAN LTD | P.O. BOX 50250, MIDLAND, TX, 79710 | 08/23/2023 |
| AMERADA PETROLEUM CORP | PO BOX 591, MIDLAND, TX 79701 | 08/23/2023 |
| APACHE CORPORATION | 303 VETERANS PARK LANE, SUITE 3000, MIDLAND, TX 79705 | 08/23/2023 |
| PETROLEUM EXPLORATION COMPANY LTD. | 200 W 1ST ST., SUITE 434, ROSWELL, NM 88203 | 08/23/2023 |
| FORTY ACRES ENERGY, LLC | 1177 7-B KATY FREEWAY, SUITE 305, HOUSTON, TX 77079 | 08/23/2023 |

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Street and Apt. No., or PO Box No.: 500 W. Illinois, Suite 100
City, State, ZIP+4®: Midland, TX 79701

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

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- ☐ Adult Signature Restricted Delivery $

Postage
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AUG 23 2023

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Street and Apt. No., or PO Box No.: 10 Desta Drive
City, State, ZIP+4®: Midland, TX 79705

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- ☐ Adult Signature Required $
- ☐ Adult Signature Restricted Delivery $

Postage
$

Total Postage and Fees
$

Postmark Here
AUG 23 2023

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Street and Apt. No., or PO Box No.: 6 Desta Drive
City, State, ZIP+4®: Midland, TX 79705

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

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Street and Apt. No., or PO Box No.: 1625 N. French Drive
City, State, ZIP+4®: Hobbs, NM 88240

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

7022 2410 0002 8965 1199

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Street and Apt. No., or PO Box No.: PO Box 1148
City, State, ZIP+4®: Santa Fe, NM 87504

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

7022 2410 0002 8965 2226

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Sent To: Occidental Permian LTD
Street and Apt. No., or PO Box No.: PO Box 50250
City, State, ZIP+4®: Midland, TX 79710

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

7020 1810 0002 0235 5259

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Sent To: Amerada Petroleum Corp
Street and Apt. No., or PO Box No.: PO Box 391
City, State, ZIP+4®: Midland, TX 79701

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

7020 1810 0002 0235 5266

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Sent To: Apache Corporation
Street and Apt. No., or PO Box No.: 303 Veterans Park Ln., Suite 3000
City, State, ZIP+4®: Midland, TX 79705

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

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Sent To: Petroleum Exploration Company LTD
Street and Apt. No., or PO Box No.: 200 W 1st St., Suite 434
City, State, ZIP+4®: Roswell, NM 88203

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

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Sent To: Forty Acres Energy LLC
Street and Apt. No., or PO Box No.: 1177 7-B KATY Freeway, Suite 305
City, State, ZIP+4®: Houston, TX 77079

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

**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 Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
**District IV**
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

# State of New Mexico
# Energy, Minerals and Natural Resources
# Oil Conservation Division
# 1220 S. St Francis Dr.
# Santa Fe, NM 87505

CONDITIONS

Action 260034

## CONDITIONS

| | |
|---|---|
| Operator:<br>Pilot Water Solutions SWD LLC<br>20 Greenway Plaza, Suite 200<br>Houston, TX 77046 | OGRID:<br>331374 |
| | Action Number:<br>260034 |
| | Action Type:<br>[IM-SD] Admin Order Support Doc (ENG) (IM-AAO) |

**CONDITIONS**

| Created By | Condition | Condition Date |
|---|---|---|
| mgebremichael | None | 8/30/2023 |