

Revised March 23, 2017

RECEIVED:	REVIEWER:	TYPE:	APP NO:
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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:** BC&D Operating, Inc. **OGRID Number:** 25670  
**Well Name:** Javelina 12-26-37 SWD #1 **API:** 30-025-xxxxx  
**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
- 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.**

Ben Stone

Print or Type Name

Signature

10/03/2023

Date

903-377-5696

Phone Number

ben@sosconsulting.us

e-mail Address



October 2, 2023

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

Attn: Mr. Dylan Fuge, Director

*Re: Application of BC&D Operating, Inc. to drill, complete and otherwise permit for salt water disposal the Javelina 12-26-37 SWD #1, (API 30-025-xxxxx) located in Section 12, Township 26 South, Range 37 East, NMPM, Lea County, New Mexico.*

Dear Mr. Fuge,

Please find enclosed form C-108 Application for Authority to Inject, supporting the above-referenced request to permit for disposal the subject prospective well. By authorizing the proposed SWD, the applicant can service disposal needs for operators in the area.

BC& D Operating, Inc. seeks to optimize efficiency, both economically and operationally, of all its operations in southeast New Mexico. Approval of this application is consistent with that goal as well as the NMOCD's mission of preventing waste and protection of correlative rights.

Published legal notice ran in the September 24, 2023, edition of the Hobbs News-Sun and offset operators and other affected parties have been notified individually. All required information and attachments are included for a complete Form C-108. The well is located on split-estate; private land and federal minerals.

I respectfully request that the approval of this salt water disposal well proceed swiftly and if you or your staff requires additional information or has any questions, please do not hesitate to call or email me.

Best regards,

A handwritten signature in blue ink, appearing to read "Ben Stone", is written over a light blue horizontal line.

Ben Stone, Partner  
SOS Consulting, LLC  
Agent for BC&D Operating, Inc.

Cc: Application attachment and file

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: **Salt Water Disposal** and the application **QUALIFIES** for administrative approval.
- II. OPERATOR: **BC&D Operating, Inc.**  
ADDRESS: **2702 North Grimes, Ste.B, Hobbs, NM 88241**  
CONTACT PARTY: **Agent: SOS Consulting, LLC – Ben Stone (936) 377-5696**
- III. WELL DATA: **All Well Data and Applicable Wellbore Diagrams and Packer Info are ATTACHED.**
- IV. **This is not an expansion of an existing project.**
- V. **A map is attached** 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. A **Tabulation is ATTACHED** of data on all wells of public record within the area of review which penetrate the proposed injection zone. **There are 9 wells in the subject AOR which Penetrate the proposed San Andres interval.** The data includes a description of each well's type, construction, date drilled, location, depth, and a schematic of any plugged well illustrating all plugging detail. **7 P&A wells penetrate, P&A diagrams are ATTACHED.**
- VII. **The following data is ATTACHED** 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. **Appropriate geologic data on the injection zone is ATTACHED** 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. **Stimulation program – a conventional acid job of up to 15,000 gals. may be performed to clean and open the formation.**
- \*X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division, they need not be resubmitted). **Well logs will be filed upon completion of the well.**
- \*XI. **There are NO water wells within one mile of the proposed SWD well per OSE data.**
- XII. **An affirmative statement is ATTACHED that available geologic and engineering data has been examined and no evidence was found** of open faults or any other hydrologic connection between the disposal zone and any underground sources of drinking water.
- XIII. **"Proof of Notice" section on the next page of this form has been completed and ATTACHED. There are 8 offset lessees and/or operators within ONE mile plus Federal minerals - all have been noticed. Location is PRIVATE (split estate).**
- 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: **Ben Stone** TITLE: **SOS Consulting, LLC agent for BC&D Operating, Inc.**

SIGNATURE:  DATE: ~~0/26/2023~~

E-MAIL ADDRESS: **ben@sosconsulting.us** 10/03/2023

- \* 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

**FORM C-108 – APPLICATION FOR AUTHORIZATION TO INJECT (cont.)****III. WELL DATA – *The following information and data is included (See ATTACHED Wellbore Schematic):***

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 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 details 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 *pursuant to the following criteria is ATTACHED.***

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.



## 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 &amp; 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 30-025-XXXXX	<sup>2</sup> Pool Code 96121	<sup>3</sup> Pool Name SWD; San Andres
<sup>4</sup> Property Code TBD	<sup>5</sup> Property Name Javelina 12-26-37 SWD	<sup>6</sup> Well Number 1
<sup>7</sup> OGRID No. 25670	<sup>8</sup> Operator Name BC&D Operating, Inc.	<sup>9</sup> Elevation 3005'

<sup>10</sup> Surface Location

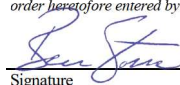
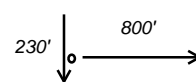
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	12	26S	37E		230'	FSL	800'	FEL	Lea

<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
same									

<sup>12</sup> Dedicated Acres n/a	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No.
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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.

<sup>16</sup>				<sup>17</sup> <b>OPERATOR CERTIFICATION</b> 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 9/15/2023 Date Ben Stone Printed Name ben@sosconsulting.us E-mail Address
				<sup>18</sup> <b>SURVEYOR CERTIFICATION</b> 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.
				Date of Survey Signature and Seal of Professional Surveyor:  PRE-SURVEY FOR INFORMATIONAL PURPOSES ONLY.
				Certificate Number  

## **C-108 - Items III, IV, V**

### **Item III - Subject Well Data**

Wellbore Diagram – PROPOSED (New)

### **Item IV – Tabulation of AOR Wells**

Tabulation includes all wells within a 1/2-mile radius.  
9 wells penetrate the proposed injection interval; 7 P&A'd.

### **Item V – Area of Review Maps**

1. Two Mile AOR Map with One-Mile Fresh Water Well Radius
2. 1/2-Mile AOR Map

All Above Exhibits follow this page.



# WELL SCHEMATIC - PROPOSED Javelina 12-26-37 SWD #1

API 30-025-xxxxx

230' FSL & 800' FEL, SEC. 12-26S-R37E  
LEA COUNTY, NEW MEXICO

SWD; San Andres (96121)

Spud Date: ~4/01/2024

Config SWD Dt: ~4/15/2024

Injection Pressure Regulated  
and Volumes Reported  
755 psi Max. Surface (0.2 psi/ft)**Conductor Casing**16.0" Csg. (20.0" Hole) @ 120'  
8 yds - Surface**Surface Casing**9.625", 40.0# J-55 Csg. (12.25" Hole) @ 925'  
1240 sx - Circulated to Surface**BC&D OPERATING, INC.****Drill and Complete New SWD:**

Drill and set casing as shown (25%-50% excess Cmt).

Perforate interval w/ 4-8 jsfp.

Acidize w/ up to ~15,000 gals 15% HCl

Run PC Tubing and PKR - Conduct Witnessed MIT.

Commence Disposal Operations.

File all appropriate sundries and C-105 Completion Report.

Annulus Monitored  
or open to atmosphere

120'

925'

GL: 3005'

Annulus Loaded  
w/ Inert Packer Fluid

5.5" IC Tubing (or smaller)

PKR ~3675'+

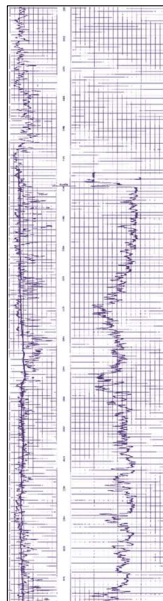
Note: PKR Set 100' Above Final Uppermost Perf Interval.

SA Perfs - 3775'-4900'

**Production Casing**7.0", 26.0# J-55 Csg. (8.75" Hole) @ 4,930';  
710 sx 'C' - Calc'd to Circ.GROSS  
INJECTION  
INTERVAL  
(3775'-4900')

4,930'

DTD @ 4930'

**OFFSET LOG STRIP**

Drawn by: Ben Stone, 9/20/2023



**Weatherford®**

Packer Systems

## *Arrowset I-XS Mechanical Packer*

Weatherford's Arrowset I-XS mechanical packer is a versatile, field-proven retrievable double-grip packer for isolating the annulus from the production conduit. The packer can be set with tension or compression.

A patented upper-slip releasing system reduces the force required to release the packer. A nondirectional slip is released first, making it easier to release the other slips. The packer also has a straight-pull safety release.

### *Applications*

- Production
- Pumping
- Injection
- Fiberglass tubing
- Completions requiring periodic casing-integrity tests
- Zonal isolation

### *Features, Advantages and Benefits*

- The design holds differential pressure from above or below, enabling the packer to meet most production, stimulation, and injection needs.
- The packer can be set with compression or tension, enabling deployment in shallow and deep applications.
- The packer can be set and released with only a one-quarter turn of the tubing.
- The bypass valve is below the upper slips so that debris is washed from the slips when the valve is opened, reducing the times for circulation and total retrieval.
- The packer can be run with Weatherford's T-2 on-off tool, which enables the tubing to be disconnected and retrieved without retrieving the packer.




**Weatherford**

Packer Systems

## Arrowset I-XS Mechanical Packer

### Specifications

Casing				Packer			
OD (in./mm)	Weight (lb/ft, kg/m)	Minimum ID (in./mm)	Maximum ID (in./mm)	Maximum OD (in./mm)	Minimum ID (in./mm)	Standard Thread Connection (in./mm)	Product Number
4-1/2 114.3	9.5 to 13.5 14.1 to 20.1	3.920 99.57	4.090 103.89	3.750 95.25	1.985 50.42	2-3/8 EUE 8 Rd	604-45
5-1/2 139.7	14.0 to 17.0 20.8 to 25.3	4.892 124.26	5.012 127.30	4.515 114.68	1.985 50.42	2-3/8 EUE 8 Rd	604-55
				4.625 117.48		2-7/8 EUE 8 Rd	604-56
	20.0 to 23.0 29.8 to 34.2	4.670 118.62	4.778 121.36	4.515 114.68		2-3/8 EUE 8 Rd	604-57
				2-7/8 EUE 8 Rd		604-59-000	
6-5/8 168.3	24.0 to 32.0 35.7 to 47.6	5.675 144.15	5.921 150.39	5.515 140.08	2.375 60.33	2-7/8 EUE 8 Rd	604-65
	17.0 to 24.0 25.3 to 35.7	5.921 150.39	6.135 155.83	5.750 146.00			604-68
7 177.8	17.0 to 26.0 25.7 to 39.3	6.276 159.41	6.538 166.07	5.515 140.08	2.375 60.33	2-7/8 EUE 8 Rd	604-72
				6.000 152.40	3.000 76.20	3-1/2 EUE 8 Rd	604-74

### Options

- Elastomer options are available for hostile environments.

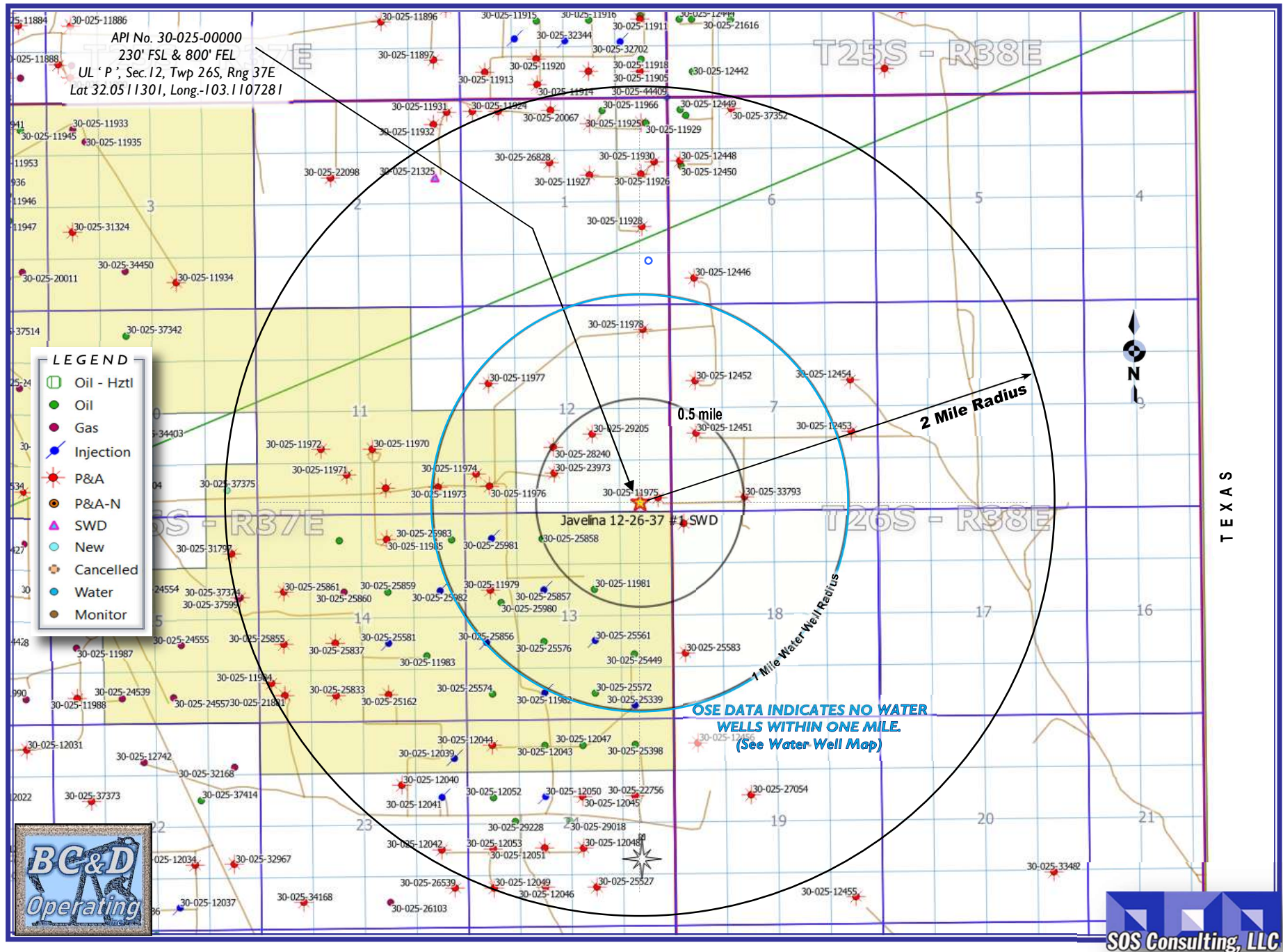
For internal use

Link to Endeca assembly part numbers: [Arrowset I-XS Mechanical Packer](#)



## Javelina 12-26-37 #1 SWD - Area of Review / 2 Miles

(Attachment to NMOC Form C-I08 - Item V)

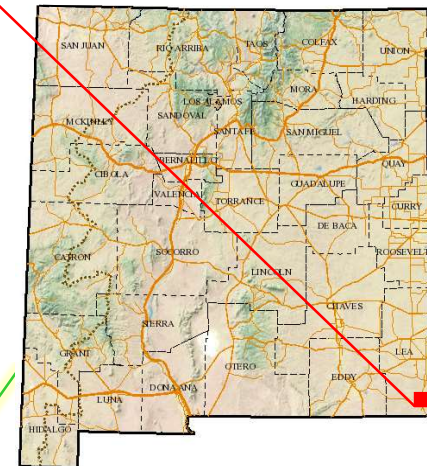




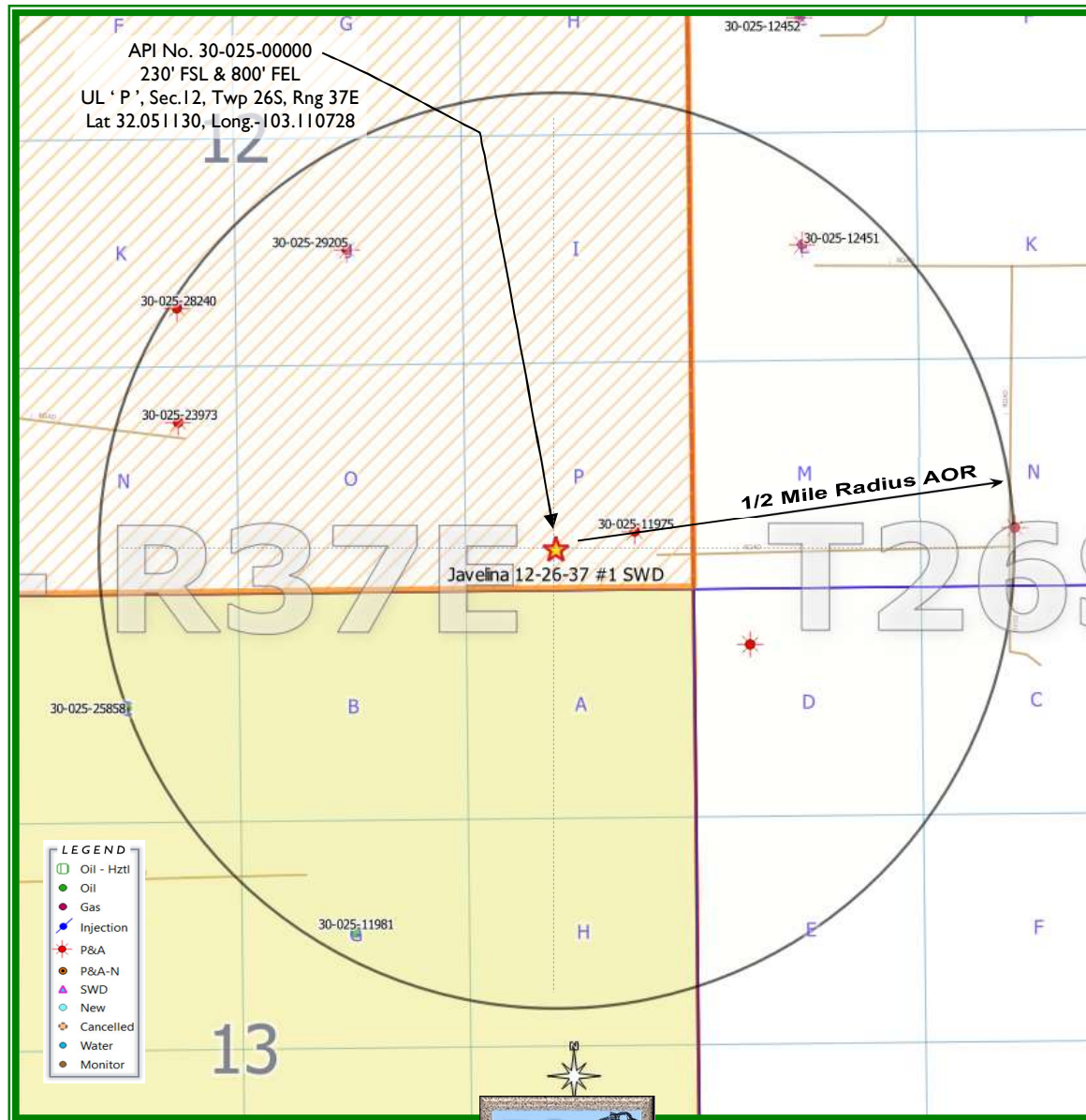
# Javelina 12-26-37 #1 SWD - Area of Review / Overview Map

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

~6.4 miles Southeast of Jal, NM



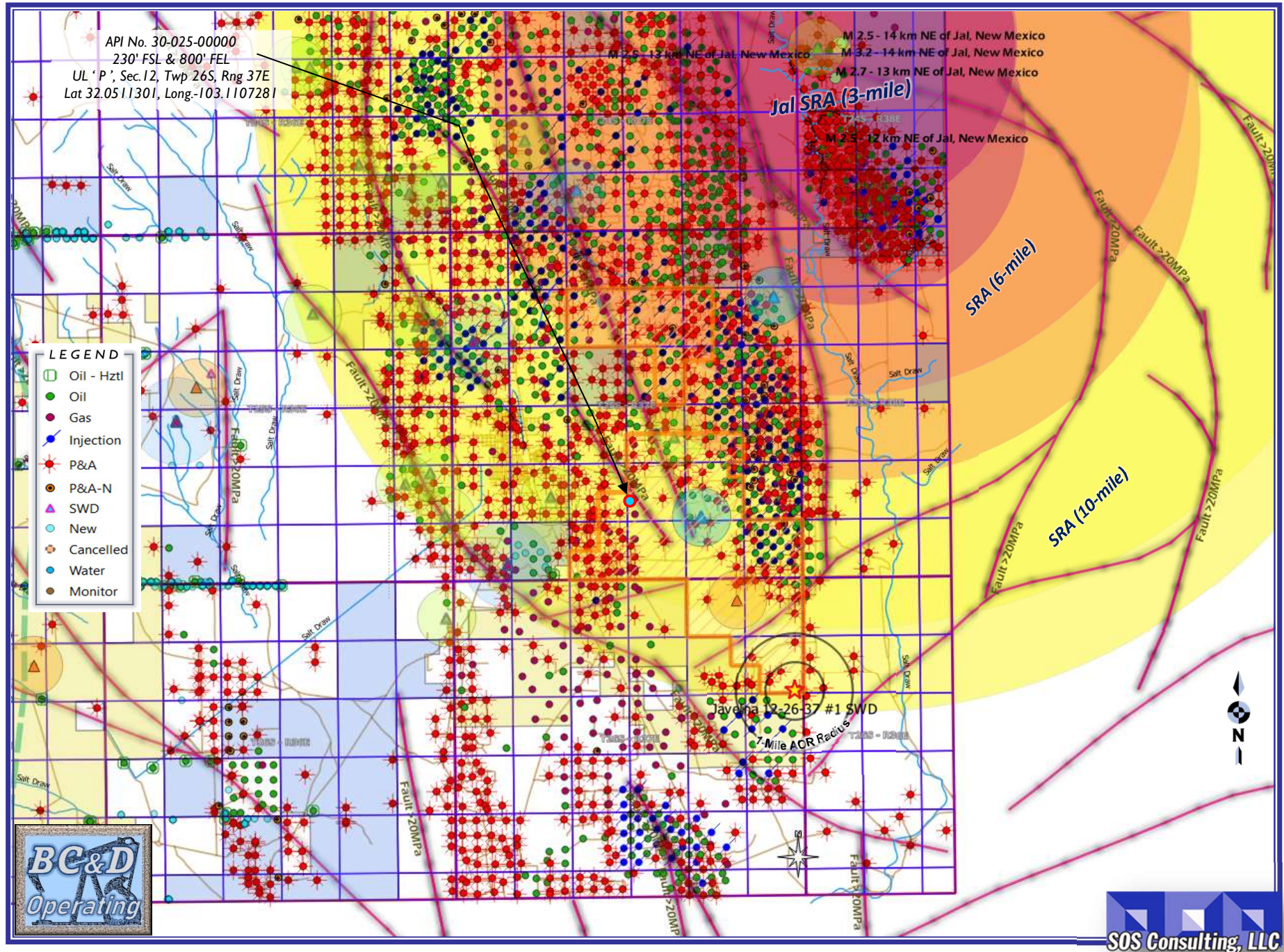
Lea County, New Mexico





# Javelina 12-26-37 #1 SWD – Regional Map Features

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



## Form C-108 Item VI - Tabulation of AOR Wells

API	Top of Proposed SAN ANDRES Interval 3775'				ALL Wells (9) Penetrate Proposed Interval.*				
	Current Operator	Well Name	Type	Status	ULSTR	Lease	Depth (V)	Spud Dt.	Plug Dt.
<u>Subject Well</u>									
30-025-xxxxx	BC&D Operating, Inc.	Javelinla 12-26-37 SWD #1	SWD	New	P-12-26S-37E	Private	4950'	~4/01/2024	
<u>Sectionns 7 &amp; 12 Wells</u>									
30-025-12451	PRE-ONGARD WELL OPERATOR	PRE-ONGARD WELL #001	Oil	P&A-R	L-07-26S-38E	Federal	12950'	3/4/1960	4/12/1967 P&A diagram attached.
30-025-33793	LIME ROCK RESOURCES A, L.P.	ED POWELL BGP FEDERAL #001	Oil	P&A-R	N-07-26S-38E	Federal	11722'	5/15/1997	12/15/2008 P&A diagram attached.
30-025-29205	FRISCO ENERGY, L.L.C.	TENNECO FEDERAL #003	Oil	P&A-R	J-12-26S-37E	Federal	9300'	4/30/1985	8/16/2002 P&A diagram attached.
30-025-28240	PRE-ONGARD WELL OPERATOR	PRE-ONGARD WELL #002	Oil	P&A-R	K-12-26S-37E	Federal	7500'	6/19/1983	9/27/1988 P&A diagram attached.
30-025-23973	SIERRA BLANCA OPERATING COMPANY	TENNECO FEDERAL #001	Gas	P&A-R	N-12-26S-37E	Federal	11854'	12/13/1971	3/21/1997 P&A diagram attached.
30-025-11975	PRE-ONGARD WELL OPERATOR	PRE-ONGARD WELL #001	Oil	P&A-R	P-12-26S-37E	Federal	12125'	9/7/1961	12/7/1961
<u>Sections 13 &amp; 18 Wells</u>									
30-025-25858	PATTERSON OPERATING & PUMPING INC DBA/PENERGY	GLENN RYAN #009	Oil	Active	C-13-26S-37E	Federal	3642'	5/14/1978	
									VERTICAL Queen Perfs: 3386'-3552'; 8.625" (12.25" hole) @ 506' w/ 500 sx - circ.; 5.5" (7.875" hole) @ 3642' w/ 800 sx - circ. to surf.
30-025-11981	PATTERSON OPERATING & PUMPING INC DBA/PENERGY	GLENN RYAN #016	Oil	Active	G-13-26S-37E	Federal	9861'	12/6/1944	
									VERTICAL Queen Perfs: 3399'-3435'; 13.375" (17.5" hole) @ 409' w/ 400 sx - circ.; 9.625" (12.25" hole) @ 4199' w/ 4000 sx - circ. to surf.
30-025-28621	EOG Y RESOURCES, INC.	ED POWELL IG FEDERAL #002	Oil	P&A-R	D-18-26S-38E	Federal	4700'	2/28/1984	4/6/1995 P&A diagram attached.
* 30-025-25858 actually does not penetrate but included in tabulation for info.									

SUMMARY: 9 wells penetrate the proposed disposal interval, 7 P&amp;A.



## **C-108 - Item VI**

Area of Review Well Data

### **PLUGGED WELL SCHEMATICS**

There Are 7 P&A'd Wells Within the AOR  
Which Penetrate the Proposed Injection Zone.

30-025-11975  
30-025-12451  
30-025-23979  
30-025-28240  
30-025-28621  
30-025-29205  
30-025-33793

*Schematics follow this page...*



## PLUGGED WELL SCHEMATIC

Well Plugged by:  
Cimarex Energy Co. of CO

Federal Leonard #1

API 30-025-11975

30' FSL & 330' FEL, SEC. 12-T26S-R37E  
LEA COUNTY, NEW MEXICO

Spud Date: 3/22/2007

P&amp;A Date: 4/20/2007

&lt;PLUGGING ITEMS LISTED LEFT&gt;

**PLUGS:**  
Spot 25 sx 'C'  
Fill to Surface

Spot 100 sx 'C'  
632'- Tag @ 397'

Spot 100 sx 'C'  
4081'- Tag @ 3746'

Spot 50 sx 'H'  
5375'-5225'

Spot 60 sx 'H'  
8241'-8061'

Spot 35 sx 'H'  
8487'-8384'

Formation Fluids

TD @ 8500'

P&amp;A Marker

Elev:

&lt;PRE-P&amp;A EXISTING ITEMS LISTED RIGHT&gt;

Surface Casing

13.375", 48.0# H-40 STC Csg. (17.5" Hole) @ 478'  
451 sxs - Circulated 58 xs to Surface

Intermediate Casing

5.5", 14.0 & 15.5# J-55 csg. (Assumed 8.75" Hole) @ 31  
1975 sx - Circulated 473 sx to Surface

&lt;P&amp;A SUBSEQUENT SUNDRY&gt;

Form 3160-3  
(November 1996)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
**OCD-ARTESIA**

**SUNDRY NOTICES AND REPORTS ON WELLS**  
Do not use this form for proposals to drill or to re-enter an  
abandoned well. Use form 3160-3 (APD) for such proposals.



SUBMIT IN TRIPPLICATE - Other instructions on reverse side

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		2. Name of Operator Cimarex Energy Co. of Colorado		3a. Address PO Box 140907; Irving, TX 75014-0907		3b. Phone No (include area code) 972-401-3111		4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 990' FNL & 1830' FEL 33-17S-30E		5. Well Name and No. Full Tank 33 Federal No. 4		6. API Well No. 30-015-35379		7. Field and Post, or Exploratory Area Undes Walters Lake; Bone Spring		8. County or Parish, State Eddy County, NM							
12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA																							
TYPE OF SUBMISSION						TYPE OF ACTION																	
<input type="checkbox"/> Notice of Intent						<input type="checkbox"/> Acidize						<input type="checkbox"/> Deepen						<input type="checkbox"/> Production (Start/Resume)					
<input checked="" type="checkbox"/> Subsequent Report						<input type="checkbox"/> Alter Casing						<input type="checkbox"/> Fracture Treat						<input type="checkbox"/> Reclamation					
<input type="checkbox"/> Final Abandonment Notice						<input type="checkbox"/> Casing Repair						<input type="checkbox"/> New Construction						<input type="checkbox"/> Recomplete					
						<input type="checkbox"/> Change Plans						<input checked="" type="checkbox"/> Plug and Abandon						<input type="checkbox"/> Temporarily Abandon					
						<input type="checkbox"/> Convert to Injection						<input type="checkbox"/> Plug Back						<input type="checkbox"/> Water Disposal					
																		<input type="checkbox"/> Water Shut-Off					
																		<input type="checkbox"/> Well Integrity					
																		<input type="checkbox"/> Other					

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomple horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the bond under which the work will be performed or provide the bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

04.18.07 Reached TD of 8-3/4" hole (8500').

04.19.07 Received permission from Fred Wright @ Carlsbad BLM to plug well.

Plug 1: 35 sx Class H + 0.2% D-13 (wt 15.2, yld 1.25) set @ 8241', est TOC @ 8485'.

Plug 2: 60 sx Class H + 0.2% D-13 (wt 15.2, yld 1.25) set @ 8241', est TOC @ 8061'.

Plug 3: 50 sx Class H + 0.2% D-13 (wt 15.2, yld 1.25) set @ 5375', est TOC @ 5225'.

Plug 4: 100 sx Class C Neat (wt 14.8, yld 1.32) set @ 4081'. Tagged @ 3746'.

04.20.07 Plug 5: 100 sx Class C Neat (wt 14.8, yld 1.32) set @ 632'. Tagged @ 297'.

Plug 6: 25 sx Class C Neat (wt 14.8, yld 1.32) to surface.

Released rig.

ACCEPTED FOR RECORD

JUL 13 2007

Gerry Guye, Deputy Field Inspector  
NMOC-District II-ARTESIA

14. I hereby certify that the foregoing is true and correct Name (Printed/Typed) Natalie Krueger		Title Reg Analyst I		Date June 20, 2007		THIS SPACE FOR FEDERAL OR STATE OFFICE USE		ACCEPTED FOR RECORD JUL 13 2007 BUREAU OF LAND MANAGEMENT CARLSBAD FIELD OFFICE	
Approved by <i>Natalie Krueger</i>		Title Office		Office					
Conditions of Approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject issue which would entitle the applicant to conduct operations thereon.									
Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. (Instructions on reverse)									

Drawn by: Ben Stone, 12/06/2022



## PLUGGED WELL SCHEMATIC

## Federal Lowe Well No.1

API 30-025-12451

1980' FSL & 660' FWL, SEC. 7-T26S-R37E  
LEA COUNTY, NEW MEXICO

Spud Date: 7/26/1960

P&amp;A Date: 4/12/1967

Well Plugged by:  
Forrest Oil Corp.

&lt;PLUGGING ITEMS LISTED LEFT&gt;

## PLUGS:

Spot 14 sx  
17'-0'  
Spot 50 sx  
502'-440'  
Spot 75 sx  
1072'-972'Spot 50 sx  
1532'-1465'

9.625" CSG parted @ 1514'

Spot 38 sx  
4386'-4286'

5.5" CSG parted @ 4430'

Load hole w/  
Plugging Mud

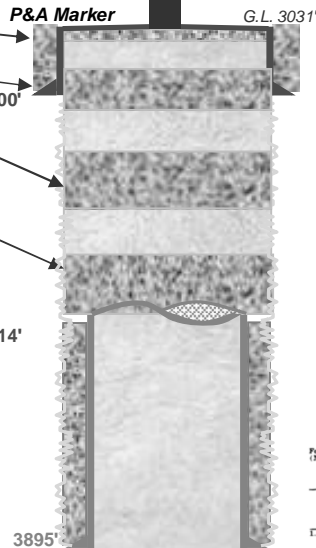
CBL TOC @ 7560'

Spot 25 sxs  
9916'-9695'

Formation Fluids

12948'

TD @ 12950'



&lt;PRE-P&amp;A EXISTING ITEMS LISTED RIGHT&gt;

## Surface Casing

13.375", 48.0# csg. (16.5" Hole) @ 500'  
500 sx ('C') - Calculated to Surface

## Intermediate Casing

9.625", 40.0# csg. (12.25" Hole) @ 3895'  
1500 sx ('C') - Calculated to Surface

## &lt;P&amp;A SUBSEQUENT SUNDRY&gt;

Form 9-211 (May 1965) UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY SUNDRY NOTICES AND REPORTS ON WELLS (Do not use this form for technical data or to describe or plug back in a different formation. Use "APPLICATION FOR PERMIT TO DRILL" for such proposals.)		Form approved Budget Bureau No. 49-81424 2. LEASE IDENTIFICATION AND SERIAL NO. N H 0888 4. IF INDIAN, ALLOTTEE OR TRIBE NAME 5. UNIT AGREEMENT NAME 6. FARM OR LEASE NAME Federal-Lowe 7. WELL NO. 1 8. FIELD AND POOL, OR WILDCAT Dublin-Devonian 9. SEC. T. R. W. OR NEAR AND 10. NEAR OR AKA 7 26-S 36-E N4PH 11. COUNTY OR PARISH Lea 12. STATE N.M.
1. NAME OF OPERATOR Forest Oil Corporation 2. ADDRESS OF OPERATOR P. O. Box 4166, Odessa, Texas 3. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 660' P&L and 1,980' FSL, Sec. 7, T-26-S, R-36-E 14. PERMIT NO. 15. VARIATION (Show whether 10, 20, 30, etc.) 3,031 D.F.		16. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data NOTICE OF INTEREST TO: TEST WATER SHUT-OFF FRACTURE TREATMENT SHOOT OR ACIDISE REPAIR WELL (Other) FULL OR ALTER CASING MULTIPLE COMPLETE ABANDON* CHANGE PLANS (Other) WATER SHUT-OFF FRACTURE TREATMENT SHOOTING OR ACIDISING (Other) REPAIRING WELL ALTERING CASING ABANDONMENT* (Note: Report results of multiple completion on Well Completion or Abandonment Report and Log form.)

17. BACKLOG (SHOW OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give azimuth, bearing and measured and true vertical depths for all markers and notes pertinent to this work.)

3-10-67 - Rods were removed from tubing which parted @ 6510'. The fishing tools indicated 5-1/2" casing parted @ 218'.

3-15-67 - After fishing out tubing, it was run open ended to 9916' where the hole was filled with mud and a 25 sack cement plug was spotted from 9916' to 9695'.

4-9-67 - After rigging up Hobbs Pipe & Supply casing pulling rig, the 5-1/2" casing was re-coupled at 218' and shot, starting at 7500' and finally parted at 4330'. Tubing was run to 4386' where a 38 sack plug was spotted to 4,286'. A 38 sack plug was spotted from 4030 to 3964'.

4-11-67 - The 9-5/8" csgn. was parted @ 1514'. A 50 sack plug was placed from 1532' to 1465'; a 75 sack plug was spotted from 1072' to 972'; a 50 sack plug was spotted from 502' to 440'. A 14 sack plug was placed from 17' to top of 13-3/8" surface pipe.

4-12-67 - A regulation steel marker was installed after a steel cap was welded on top of 13-3/8" casing.

Notice when lease is ready for final inspection will be given after removal of all equipment and the pits are filled and leveled.

18. I hereby certify that the foregoing is true and correct. SIGNED: J. L. Gordon (This space for Federal or State Use only)		TITLE: Division Production Sup't. DATE: April 13, 1967
APPROVED BY: J. L. Gordon CONDITIONS OF APPROVAL, IF ANY:		TITLE: APPROVED DATE: AUG 20 1967 J. L. GORDON ACTING DISTRICT ENGINEER

## Production (Int.) Casing

5.5", 17.0# Csg. (8.75" Hole) @ 12948' w/ 1390 sx  
TOC Estimated to 4473'

DEV Perfs: 9926'-41'

ELLBRG Perfs: 12,692'-778'; 12,860'-916'

Drawn by: Ben Stone, 9/30/2023



## PLUGGED WELL SCHEMATIC

## Tenneco Federal Well No.1

API 30-025-23973

990' FSL & 2310' FWL, SEC. 12-T26S-R37E  
LEA COUNTY, NEW MEXICO

Spud Date: 12/13/1971

P&amp;A Date: 3/21/1997

Well Plugged by:  
Secondary Oil Corp.

&lt;PLUGGING ITEMS LISTED LEFT&gt;

## PLUGS:

Spot 50 sx

93'-0"

Spot 75 sx

439'-319' Tag

Spot 65 sx

1248'-1152' Tag

8.625" CSG Cut &amp; Pull @ 1195'

Spot 50 sx

4308'-4125' Tag

5.5" CSG Cut &amp; Pull @ 4297'

Load hole w/  
Plugging Mud

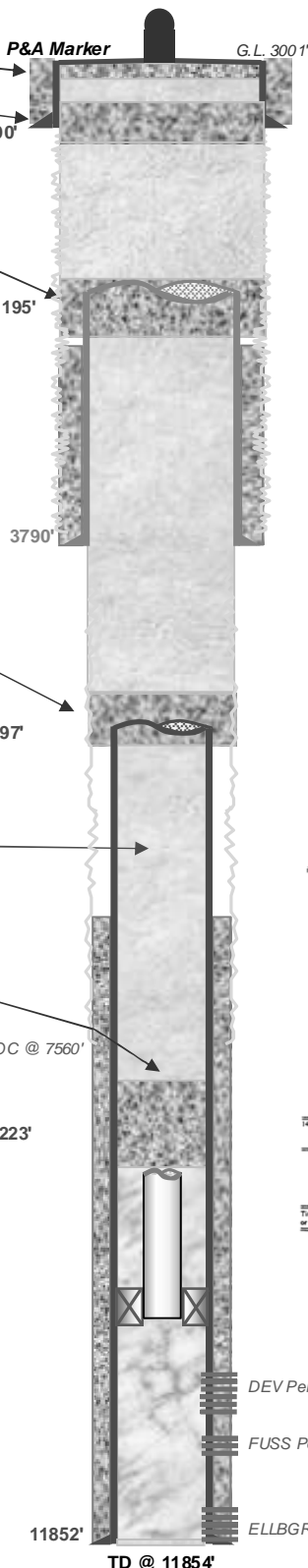
Spot 60 sxs

9211'-8538'

CBL TOC @ 7560'

2.375" TBG/ PKR fish @ 9223'

Formation Fluids



&lt;PRE-P&amp;A EXISTING ITEMS LISTED RIGHT&gt;

## Surface Casing

11.75", 48.0# Csg. (15.0" Hole) @ 390'

350 sx ('C') - Calculated to Surface

## Intermediate Casing

8.625", 32.0# csg. (11.0" Hole) @ 3790'

500 sx ('C') - Calculated to Surface

&lt;P&amp;A SUBSEQUENT SUNDRY&gt;

Form 3160-5  
(June, 1996)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
PLUGGED

SUNDRY NOTICES AND REPORTS ON WELLS  
Do not use this form for proposals to drill or to deepen or modify to a different reservoir.  
Use "APPLICATION FOR PERMIT TO DRILL" proposals

1. Type of Well  
☐ Oil ☒ Gas ☐ Other

2. Name of Operator  
JANNEY'S OIL & GAS

3. Address and Telephone No.  
400 S. BOSTON, STE. 800 TULSA, OKLAHOMA 74103

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
UNIT N, 990' FLS, 2310' FWL, SEC. 12 - T-26-S - R-37-E

5. N.M. Oil Cons. Division  
P.O. Bx 980  
Hobbs, NM 8824

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1997

3. Lease Designation and Serial No.  
NM-7951

4. Well Name and No.  
TENNECO FEDERAL #1

5. API Well No.  
30-025-23973

6. Field and Pool, or Exploratory Area  
Dublin Devonian

7. County or Parish, State  
LEA COUNTY, NEW MEXICO

8. CHECK APPROPRIATE BOX(es) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input checked="" type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Reconnection
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Cement Repair
	<input type="checkbox"/> Altering Casing
	<input type="checkbox"/> Other
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

9. Director Proposed or Completed Operations (Clearly state all pertinent details, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

3-13-97 - CUT & PULL 2-3/8" PRODUCTION TBG FROM 9280'; LEFT APPROX 350' TBG & PKR IN HOLE; TAG TOP OF FISH @ 9223'.

3-14-97 - SPOT 60 SXS CLASS "C" CEMENT @ 9211'; WOC & TAG TOC @ 8538'.

3-18-97 - CUT 54" CSG @ 4528'; NOT FREE; CUT & PULL 54" CSG FROM 4297'.

3-19-97 - WAS UNABLE TO GET BELOW 4308'; SPOT 50 SXS CMT @ 4308'; WOC & TAG TOC @ 4125' PER STEVE CAPPEY W/BLM.

SPOT 50 SXS CMT @ 3839'; WOC & TAG TOC @ 3683'.

3-20-97 - CUT & PULL 8-5/8" CSG FROM 1195'.

SPOT 65 SXS CMT @ 1248'; WOC & TAG TOC @ 1152'.

3-21-97 - SPOT 75 SXS CMT @ 439'; WOC & TAG TOC @ 319'.

SPOT 50 SXS CMT FROM 93' TO SURF.

WELL P&A'D 3-21-97

10. I hereby certify that the foregoing is true and correct.

Signed: David R. Glass Title: P&A SUPERVISOR Date: 3-14-97

(This space for signature of other official use only)

Approved by: (JULI SCD) DAVID R. GLASS Title: PETROLEUM ENGINEER Date: MAY 13 1997

Signature of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Approved as to plugging of the well ☒.  
Liability under bond is retained until surface restoration is completed.

\*See Instruction on Reverse Side

## Production (Int.) Casing

5.5", 17.0# Csg. (7.875" Hole) @ 11852' w/ 700 sx

TOC Estimated to 5630'

DEV Perfs: 9049'-915959'

FUSS Perfs: 9650'-78'

ELLBGR Perfs: 11634'-828'

Drawn by: Ben Stone, 9/30/2023

## PLUGGED WELL SCHEMATIC

## Tenneco Federal Well No.2

API 30-025-28240

1650' FSL & 2310' FWL, SEC. 12-T26S-R37E  
LEA COUNTY, NEW MEXICO

Spud Date: 12/13/1971

P&amp;A Date: 9/27/1988

Well Plugged by:  
Petroleum Corp. of  
Delaware

&lt;PLUGGING ITEMS LISTED LEFT&gt;

## PLUGS:

Spot 15 sx

30'-0'

Spot 50 sx

405'-307'

Spot 50 sx

1102'-1030'

Spot 50 sx

1829'-1669'

8.625" CSG Back Off &amp; Pull @ 1778'

Spot 25 sx

3644'-3544' Tag

Spot 25 sx

3986'-3876' Tag

4.5" CSG Backed Off &amp; Pulled @ 3933'

Load hole w/  
9.5# Plugging MudCap CIBP w/ 2 sx  
CIBP @ 5697'

Formation Fluids

P&amp;A Marker

G.L. 3007'

&lt;PRE-P&amp;A EXISTING ITEMS LISTED RIGHT&gt;

## Surface Casing

11.75", 42.0# Csg. (14.0" Hole) @ 403'

400 sx ('C') - Calculated to Surface

## Intermediate Casing

8.625", 32.0# csg. (11.0" Hole) @ 3590'

500 sx ('C') - Est. TOC @ 2430'

## &lt;P&amp;A SUBSEQUENT SUNDRY&gt;

Form 3550-1  
(November 1982)  
(Previously 3-111)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUMMIT IN TX  
(County) (Section)  
RECEIVED

SUNDRY NOTICES AND REPORTS ON WELLS  
(Do not use this form for proposals to drill or to deepen or plug down to a different formation than that shown on the original application for permit. Use APPLICATION FOR PERMIT for such purposes.)

1. NAME OF OPERATOR  
The Petroleum Corporation of Delaware

2. ADDRESS OF OPERATOR  
3131 Turtle Creek Blvd. Ste. 400 Dallas, TX 75219

3. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)  
Unit K 2310' FWL & 1650' FSL, Sec. 12, T26S, R37E

4. PERMIT NO.  
3007.5

5. DATE OF NOTICE  
06-11-11-11-88

6. NAME OF LESSEE NAME  
Tenneco Federal

7. UNIT SURVEY NAME  
Tenneco Federal

8. WELL NO.  
NM-7951

9. NAME OF AREA  
Unit K 12-26S-37E

10. COUNTY OR PARISH  
LEA

11. STATE  
NM

12. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENTION TO:  
TEST WATER SHUT-OFF  
FRACURING TREAT  
CUTTING OR REMOVING  
BARREL WELL  
(Other)

WATER SHUT-OFF  
FRACURING TREATMENT  
REMOVING OR ADDING  
ANNULMENT  
(Other)

13. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENTION TO:  
TEST WATER SHUT-OFF  
FRACURING TREAT  
CUTTING OR REMOVING  
BARREL WELL  
(Other)

WATER SHUT-OFF  
FRACURING TREATMENT  
REMOVING OR ADDING  
ANNULMENT  
(Other)

14. I hereby certify that the foregoing is true and correct

SIGNED: *Ben Stone* TITLE: DATE: 9/27/88

(This space for Federal or State Use Only)

APPROVED BY: *Ben Stone* DATE: 9/27/88

CONDITIONS:

88612 AON

9-27-88 RUN TEG. TAG STUB PLUG @ 1669'. FULL TEG TO 1102' AND SPOT 50 SX CMT. AT TOP OF SALE SECTION. FULL TEG. TO 456' AND SPOT 50 SX CMT FOR 100' SURFACE CSG SHOE PLUG. FULL TEG. WOC 4 HRS. RUN 1 JT. TEG. ON WL TO TAG SURFACE CSG SHOE PLUG @ 405'-52" LOW TO ACCEPTABLE DEPTH. RUN TEG. AND SPOT ADDITIONAL 50 SX CMT @ 405'. (CALCULATED FILL-UP = 98') FULL TEG TO 30'. SPOT 15 SX CMT @ 30' FOR SURFACE PLUG - CIRCULATED CMT ON SURFACE PLUG. LAY DOWN ALL TEG AND TOOLS. INSTALL 4" O. D. X 4' LONG SPT. 1/2" HANGER WITH ALL APPROPRIATE INFORMATION WELDED ON AT GL. BACKFILL WORKING FIT. CLEAN ALL JUNK FROM LOCATION AND LEVEL. P & A NOW COMPLETE.

CLRFK Perfs: 5900'-14; 5970'-84'

## Production (Int.) Casing

4.5", 11.6# Csg. (7.875" Hole) @ 6493' w/ 200 sx  
TOC Estimated to 5670'TUBB Perfs: 6355'-57; 6399'-6412'  
(SQZ'd 2/24/85)

DTD @ 7500'

Drawn by: Ben Stone, 9/30/2023

SOS Consulting, LLC

## PLUGGED WELL SCHEMATIC

## Ed Powell IG Federal Well No.2

API 30-025-28621

330' FNL & 330' FWL, SEC. 18-T26S-R38E  
LEA COUNTY, NEW MEXICO

Spud Date: 2/28/1984

P&amp;A Date: 4/10/1995

Well Plugged by:  
Yates Petroleum Corp.

&lt;PLUGGING ITEMS LISTED LEFT&gt;

## PLUGS:

Spot 10 sx  
30'-0'Spot 70 sx  
1197'-895'

5.5" CSG Freepoint/ Cut/ Pull @ 1130'

Spot 15 sx  
2468'-2320' Tag  
5.5" CSG Cut NO Pull @ 2400'Load hole w/  
9.5# Plugging Mud

CIBP @ 3550'

Formation Fluids

P&amp;A Marker

G.L. 3005'

&lt;PRE-P&amp;A EXISTING ITEMS LISTED RIGHT&gt;

## Surface Casing

8.625", 24.0# csg. (12.25" Hole) @ 1010'

550 sx ('C') - Circ. to Surf.

&lt;P&amp;A SUBSEQUENT SUNDRY&gt;

RECEIVED  
JUNE 12 1995

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

NEW MEXICO  
N.M. 2593

3. Lease Designation and Serial No.  
NM-2593

4. If Indian, Allocated or Title Name

5. If Unit or CA, Agreement Designation

6. Well Name and No.  
Ed Powell IG Federal #2

7. API Well No.  
30-025-28621

8. Field and Pool, or Exploratory Area  
Leonard Queen South

9. County or Parish, State  
Lea Co., NM

10. SUNDRY NOTICES AND REPORTS ON WELLS  
Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well  
☐ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator  
YATES PETROLEUM CORPORATION (505) 748-1471

3. Address and Telephone No.  
105 South 4th St., Artesia, NM 88210

4. Location of Well (Ownership, Sec., T., R., M., or Survey Description)  
330' FNL & 330' FWL of Section 18-T26S-R38E (NWNW, Unit D)

12. CHECK APPROPRIATE BOX(es) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Interest	<input checked="" type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input type="checkbox"/> Other
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Station Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

4-6-95 - Moved in and rigged up pulling unit. Nipped down wellhead. Nipped up BOP. TOOH with 112 joints of 2-7/8" production tubing. Rigged up wireline. TIH with 5-1/2" CIBP - tagged tight spot at 3085'. Could not work thru. TOOH with CIBP. TIH with bit and bit sub to 3590'. TOOH. TIH with CIBP and set at 3550'. Rigged down wireline. TIH with tubing to 3500'. Circulated hole with mud laden fluid. TOOH with tubing. Shut down for night.

NOTE: Steve Caffey w/BLM - Hobbs witnessed setting of 5-1/2" CIBP.

4-7-95 - Nipped down BOP. Nipped up wellhead. Screwed on 5-1/2" pull nipple. Removed casing slips and worked casing. Stretched casing - free at 1130'. Rigged up wireline. TIH with 5-1/2" jet cutter and cut casing at 2400'. Worked casing to 1800000' - could not work free. TIH with 5-1/2" jet cutter and cut casing at 1130' - casing free. Rigged up casing equipment and laid down 5-1/2" casing. TIH with tubing to 2468'. Spotted 15 sacks "C" cement from 2468-2320'. POOH with tubing to 1187'. Spot 70 sacks "C" cement with 2Z CaCl2 from 1187-895'. POOH with tubing. Shut down for night. NOTE: Steve Caffey w/BLM - Hobbs witnessed setting of cement plugs.

Approved as to plugging of the well bore  
Liability under bond is retained until  
surface restoration is completed.

14. I hereby certify that the foregoing is true and correct.

Signed: JOE G. LARA Title: Production Clerk Date: April 10, 1995

Approved by: JOE G. LARA Title: PETROLEUM ENGINEER Date: 5/11/95

Conditions of Approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly to willfully make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\* 5. Instruction on Reverse Side

3. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

4-8-10-95 - TIH and tag top of cement at 890'. NOTE: Steve Caffey w/BLM - Hobbs okayed top of cement. TOOH and laid down tubing. Nipped down BOP. Circulated 10 sacks Class C Neat cement from 30' to surface. Rigged down pulling unit. Cleaned location. Cut off wellhead and installed regulation abandonment marker. PLUGGED AND ABANDONED - FINAL REPORT. Plugging completed 4-7-95.

QN Perfs: 3716'-24

## Production (Int.) Casing

5.5", 15.5# Csg. (7.875" Hole) @ 4700' w/ 480 sx  
TOC Estimated to 430'

Drawn by: Ben Stone, 10/02/2023

SOS Consulting, LLC

## PLUGGED WELL SCHEMATIC

## Tenneco Federal Well No.3

API 30-025-29205

1980' FSL & 1980' FEL, SEC. 12-T26S-R37E  
LEA COUNTY, NEW MEXICO

Spud Date: 4/30/1985

P&amp;A Date: 8/16/2002

Well Plugged by:  
Frisco Energy, LLC

&lt;PLUGGING ITEMS LISTED LEFT&gt;

## PLUGS:

Spot 25 sx  
60'-0' →

Spot 40 sx  
404' →

465'-315' →

Spot 40 sx  
1209'-1054' Tag →

Spot 40 sx  
2108'-1891' Tag →

ANH: 600'

YTS: 2400'

QN: 3493'

SA: 3930'

4.5" CSG Cut &amp; Pull @ 2048'

Spot 25 sx  
3658'-3441' →

3600'

Load hole w/ 10.0#  
Plugging Mud →

Spot 25 sx  
6800'-6386' Tag →

CIBP @ 6800' →

MISS: 8090'

Formation Fluids

WDFD SH: 8568'

DEV: 9119'

Cap w/ 35' Cmt.  
CIBP @ 8999' →

Formation Fluids

9300'

DTD @ 9300'

DEV Perfs: 9126'-9246'

&lt;PRE-P&amp;A EXISTING ITEMS LISTED RIGHT&gt;

## Surface Casing

11.75", 44.0# Csg. (17.5" Hole) @ 404'  
436 sx ('C') - Calculated to Surface

## Intermediate Casing

8.625", 24.0 & 32.0# Csg. (11.0" Hole) @ 3600'  
825 sx ('C') - Calculated to Surface

## &lt;P&amp;A SUBSEQUENT SUNDRY&gt;

Form 3160-S  
(September 2001)UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
Indian Affairs Division  
Tulsa, OK 74109  
SUNDARY NOTICES AND REPORTS ON WELLS  
Do not use this form for proposals to abandon or  
abandoned wells. Use Form 3160-S (APD) for such proposals.FORM APPROVED  
OMB No. 1004-0135  
Expires January 31, 2004

5. Lease Serial No.  
NM-7951

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.  
Tenneco Federal #3

9. API Well No.  
30-025-29205

10. Field and Pool, or Exploratory Area  
Justis Blinberry/Tubb/Drinkard

11. County or Parish, State  
Lea Co., NN

## SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well  
☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator  
Frisco Energy, L.L.C.

3a. Address 2431 E. 51st Street, Suite 300  
Tulsa, OK 74109

3b. Phone No. (include area code)  
918-742-5200

4. Location of Well (Postage, Sec., T., R., M., or Survey Description)  
1980' FSL & 1980' FEL SW/4, Unit J  
Sec. 12-T26S-R37E

## 12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Change Plans
	<input type="checkbox"/> Convert to Injection
	<input type="checkbox"/> Deepen
	<input type="checkbox"/> Fracture Treat
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Plug and Abandon
	<input type="checkbox"/> Plug Back
	<input type="checkbox"/> Production (Start/Resume)
	<input type="checkbox"/> Reclamation
	<input type="checkbox"/> Recomplete
	<input type="checkbox"/> Temporarily Abandon
	<input type="checkbox"/> Water Disposal
	<input type="checkbox"/> Well Integrity
	<input type="checkbox"/> Other

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomple horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-S shall be filed once testing has been completed. Final Abandonment notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

MAYO MARKS CASING PULLING INC.  
BOX 863  
KERMIT, TEXAS 79745

FRISCO ENERGY, L.L.C.

Lease: TENNECO FEDERAL #3

P&amp;A: CEMENTING REPORT

08-13-2002 - SPOT 25 SX @ 6800' 4386' TAGGED

08-14-2002 - SPOT 20 SX @ 3658' 3441' TAGGED

08-15-2002 - SPOT 40 SX @ 2108' 1891' TAGGED

08-15-2002 - PULLED 2800' OF 4" Casing

08-15-2002 - SPOT 40 SX @ 1209' 1054' TAGGED

08-16-2002 - SPOT 40 SX @ 465' 315' TAGGED

08-16-2002 - SPOT 20 SX @ 60' TO SURFACE

INSTALL DRY HOLE MARKER  
CIRCUIT AT 100 MUD

## 14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

Charles E. Smith

Title Co-Manager

Signature Charles E. Smith

Date 1-22-2003

## THIS SPACE FOR FEDERAL OR STATE OFFICE USE

## Approved by

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title

Office

Date

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations or to knowingly withhold any material information from such department or agency.

(Instructions on reverse)

GWW

U.S. GOVERNMENT PRINTING OFFICE 3001-173 00000000

## Production (Int.) Casing

4.5", 11.6# Csg. (7.875" Hole) @ 9300' w/ 1725 sx  
TOC Estimated to 5630'

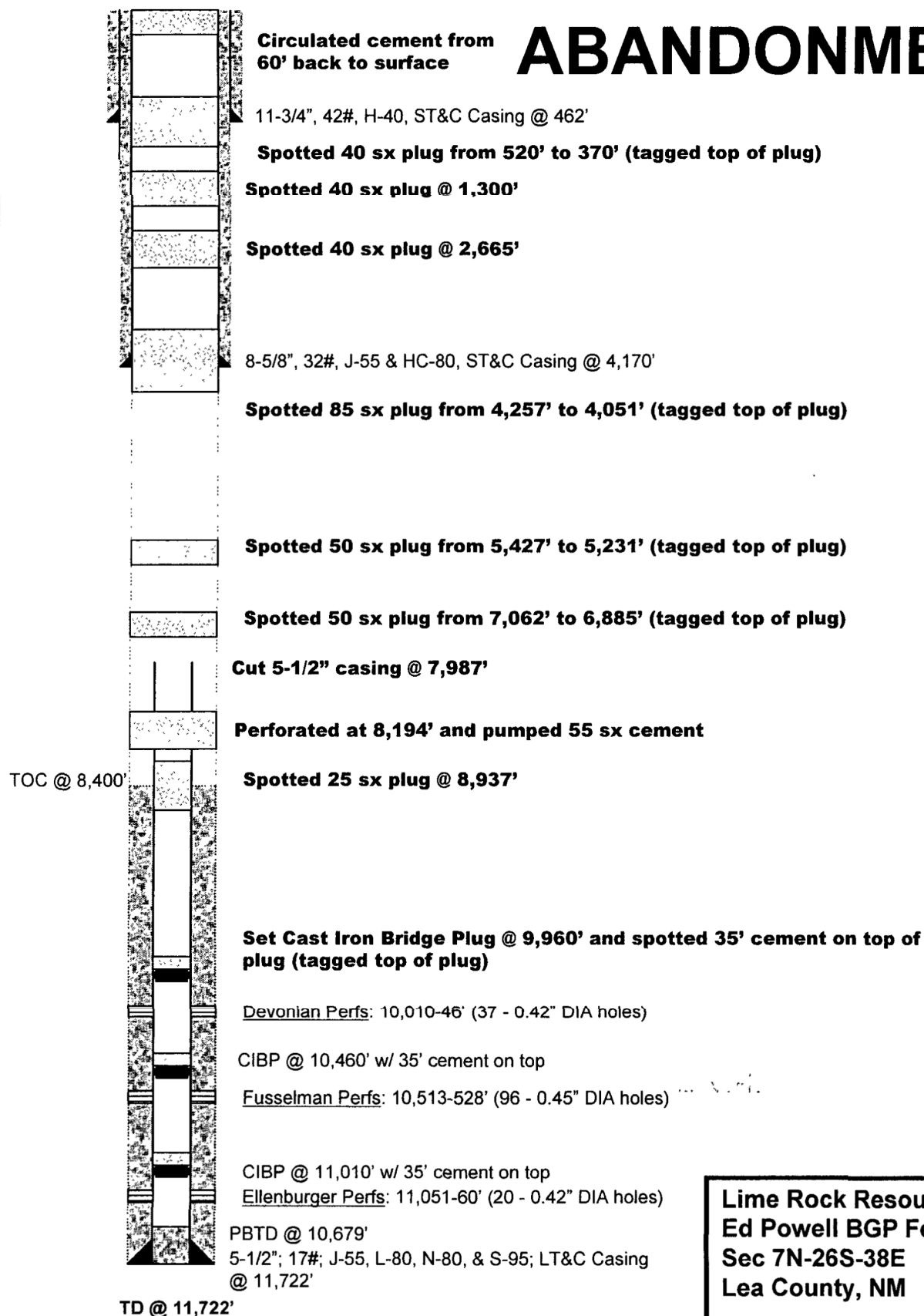
Drawn by: Ben Stone, 10/02/2023

SOS Consulting, LLC





# FINAL ABANDONMENT



**Lime Rock Resources  
Ed Powell BGP Federal 1  
Sec 7N-26S-38E  
Lea County, NM**

## C-108 ITEM VII – PROPOSED OPERATION

The Javelina 12-26-37 SWD #1 will be operated as a commercial disposal service to area operators to facilitate the disposal of produced water from typical producing formations in the area. Source water will typically be from Bone Spring, Wolfcamp and Delaware production. Analyses from these formations as well as the San Andres are included herein.

BC&D Operating, Inc. does not believe the proposed SWD will have any adverse impact on producing operations in the area. There is no San Andres production within one mile. The area is well east of the Delaware Mountain Group Risk Assessment area and is up on the platform.

The system will be closed utilizing a tank battery facility located on the well site as well as delivery via pipeline. The well and injection equipment will be equipped with pressure limiting devices and volume meters. The annulus, loaded with an inert, anti-corrosion packer fluid, will be monitored for pressure.

The tanks will be equipped with telemetry devices and visual alarms to alert the operator and customers of full tanks or an overflow situation. Any adverse event will be handled expeditiously and reported as the situation may require.

Injection pressure will be 755 psi with a maximum daily rate of 15,000 bwpd is being requested but average rates are expected to be approximately 10,000 bwpd. In the future, BC&D Operating, Inc. may opt to conduct a step rate test if it is determined that greater rates may be required. This would be submitted to OCD as a request for *Injection Pressure Increase*.

Routine maintenance will be ongoing, and any releases will be reported within 24 hours to OCD on form C-141 pursuant to various portions of 19.15.30 NMAC.

The facility will be available for inspections at any time deemed necessary by OCD.



## **C-108 ITEM VII – PRODUCED WATER ANALYSES**

*Source and Disposal Waters are Reasonably Compatible.*

### **Item VII.4 – Water Analysis of Source Zone Water**

Queen, Grayburg, Delaware, Bone Spring, Wolfcamp

### **Item VII.5 – Water Analysis of Disposal Zone Water**

San Andres

*Water analysis summaries follow this page...*

## C-108 Item VII.5 - Produced Water Data BC&D Operating, Inc. - Javelina SWDs

### SOURCE ZONE

#### ARTESIA GROUP - TNSL-YTS-7RVRS

<b>API No</b>	3002506278	<b>Lab ID</b>	
<b>Well Name</b>	A B REEVES 002	<b>Sample ID</b>	4425
		<b>Sample No</b>	
<b>Location</b>	ULSTR 29 20 S 37 E	<b>Lat / Long</b>	32.54547 -103.27965
	1980 N 660 W	<b>County</b>	Lea
<b>Operator (when sampled)</b>			
	Field EUMONT	<b>Unit</b>	E
<b>Sample Date</b>		<b>Analysis Date</b>	
	Sample Source UNKNOWN	<b>Depth (if known)</b>	
	Water Typ		
ph		alkalinity_as_caco3_mgL	
ph_temp_F		hardness_as_caco3_mgL	
specificgravity		hardness_mgL	
specificgravity_temp_F		resistivity_ohm_cm	
tds_mgL	184900	resistivity_ohm_cm_temp_	
tds_mgL_180C		conductivity	
chloride_mgL	114000	conductivity_temp_F	
sodium_mgL		carbonate_mgL	
calcium_mgL		bicarbonate_mgL	610
iron_mgL		sulfate_mgL	700
barium_mgL		hydroxide_mgL	
magnesium_mgL		h2s_mgL	
potassium_mgL		co2_mgL	
strontium_mgL		o2_mgL	
manganese_mgL		anionremarks	
<b>Remarks</b>			

(Produced water data courtesy of NMT Octane NM WAIDS database.)



## C-108 Item VII.5 - Produced Water Data BC&D Operating, Inc. - Javelina SWDs

### SOURCE ZONE

#### GRAYBURG

<b>API No</b>	3002506435	<b>Lab ID</b>	
<b>Well Name</b>	HAWK B 1 012	<b>Sample ID</b>	3029
		<b>Sample No</b>	
<b>Location</b>	ULSTR 08 21 S 37 E	<b>Lat / Long</b>	32.48788 -103.18260
	660 S 1980 E	<b>County</b>	Lea
<b>Operator (when sampled)</b>	APACHE CORPORATION		
	Field PENROSE SKELLY	<b>Unit</b>	O
<b>Sample Date</b>	5/18/1999	<b>Analysis Date</b>	6/8/1999
	<b>Sample Source</b>	<b>Depth (if known)</b>	
	<b>Water Type</b>		
ph	6.3	alkalinity_as_caco3_mgL	
ph_temp_F		hardness_as_caco3_mgL	
specificgravity	1.018	hardness_mgL	
specificgravity_temp_F		resistivity_ohm_cm	
tds_mgL	18553.1	resistivity_ohm_cm_temp_	
tds_mgL_180C		conductivity	
chloride_mgL	11206.1	conductivity_temp_F	
sodium_mgL	6419.51	carbonate_mgL	0
calcium_mgL	397.02	bicarbonate_mgL	252.464
iron_mgL	1.018	sulfate_mgL	102.818
barium_mgL	1.018	hydroxide_mgL	
magnesium_mgL	182.222	h2s_mgL	40.72
potassium_mgL	313.544	co2_mgL	
strontium_mgL	11.198	o2_mgL	
manganese_mgL		anionremarks	

Remarks

(Produced water data courtesy of NMT Octane NM WAIDS database.)



## C-108 Item VII.5 - Produced Water Data BC&D Operating, Inc. - Javelina SWDs

### SOURCE ZONE

#### GRAYBURG-SAN ANDRES

<b>API No</b>	3002504266	<b>Lab ID</b>	
<b>Well Name</b>	EUNICE MONUMENT SOUTH U 890	<b>Sample ID</b>	3508
		<b>Sample No</b>	
<b>Location</b>	ULSTR 14 20 S 36 E 660 S 660 E	<b>Lat / Long</b>	32.56718 -103.31810
		<b>County</b>	Lea
<b>Operator (when sampled)</b>	CHEVRON USA INC.		
	Field EUNICE MONUMENT	Unit	P
<b>Sample Date</b>	1/12/2000	<b>Analysis Date</b>	1/14/2000
	<b>Sample Source</b>	<b>Depth (if known)</b>	
	<b>Water Typ</b>		
ph	6.38	alkalinity_as_caco3_mgL	
ph_temp_F		hardness_as_caco3_mgL	
specificgravity	1.017	hardness_mgL	
specificgravity_temp_F		resistivity_ohm_cm	
tds_mgL	20081.8	resistivity_ohm_cm_temp_	
tds_mgL_180C		conductivity	
chloride_mgL	10711	conductivity_temp_F	
sodium_mgL	5568.07	carbonate_mgL	0
calcium_mgL	1112.6	bicarbonate_mgL	1342.44
iron_mgL	0.4068	sulfate_mgL	931.572
barium_mgL	0.5085	hydroxide_mgL	
magnesium_mgL	466.803	h2s_mgL	
potassium_mgL	277.641	co2_mgL	
strontium_mgL	12.204	o2_mgL	
manganese_mgL		anionremarks	

Remarks

(Produced water data courtesy of NMT Octane NM WAIDS database.)



## C-108 Item VII.5 - Produced Water Data BC&D Operating, Inc. - Javelina SWDs

### SOURCE ZONE

#### BLINEBRY

<b>API No</b>	3002510462	<b>Lab ID</b>	
<b>Well Name</b>	ALLIE M LEE 001	<b>Sample ID</b>	4013
		<b>Sample No</b>	
<b>Location</b>	ULSTR 26 22 S 37 E	<b>Lat / Long</b>	32.36184 -103.12585
	2310 S 330 E	<b>County</b>	Lea
<b>Operator (when sampled)</b>			
	Field BLINEBRY	<b>Unit</b>	I
<b>Sample Date</b>		<b>Analysis Date</b>	
	Sample Source DST	<b>Depth (if known)</b>	
	Water Typ		
ph		alkalinity_as_caco3_mgL	
ph_temp_F		hardness_as_caco3_mgL	
specificgravity		hardness_mgL	
specificgravity_temp_F		resistivity_ohm_cm	
tds_mgL	143024	resistivity_ohm_cm_temp_	
tds_mgL_180C		conductivity	
chloride_mgL	86800	conductivity_temp_F	
sodium_mgL		carbonate_mgL	
calcium_mgL		bicarbonate_mgL	279
iron_mgL		sulfate_mgL	1500
barium_mgL		hydroxide_mgL	
magnesium_mgL		h2s_mgL	
potassium_mgL		co2_mgL	
strontium_mgL		o2_mgL	
manganese_mgL		anionremarks	
<b>Remarks</b>			

(Produced water data courtesy of NMT Octane NM WAIDS database.)



## C-108 Item VII.5 - Produced Water Data BC&D Operating, Inc. - Javelina SWDs

### SOURCE ZONE

#### BONE SPRING

<b>API No</b>	3002527250	<b>Lab ID</b>	
<b>Well Name</b>	BERRY APN STATE 001	<b>Sample ID</b>	5840
		<b>Sample No</b>	
<b>Location</b>	ULSTR 05 21 S 34 E 1980 S 660 W	<b>Lat / Long</b>	32.50569 -103.49786
		<b>County</b>	Lea
<b>Operator (when sampled)</b>	YATES PETROLEUM CORPORATION		
	Field BERRY NORTH	<b>Unit</b>	L
<b>Sample Date</b>	11/18/1999	<b>Analysis Date</b>	12/1/1999
	<b>Sample Source</b>	<b>Depth (if known)</b>	
	<b>Water Typ</b>		
ph	6.2	alkalinity_as_caco3_mgL	
ph_temp_F		hardness_as_caco3_mgL	
specificgravity	1.123	hardness_mgL	
specificgravity_temp_F		resistivity_ohm_cm	
tds_mgL	192871	resistivity_ohm_cm_temp_	
tds_mgL_180C		conductivity	
chloride_mgL	132048	conductivity_temp_F	
sodium_mgL	67071.2	carbonate_mgL	0
calcium_mgL	12761.8	bicarbonate_mgL	162.835
iron_mgL	96.578	sulfate_mgL	444.708
barium_mgL	1.123	hydroxide_mgL	
magnesium_mgL	1372.31	h2s_mgL	3.369
potassium_mgL	2080.92	co2_mgL	
strontium_mgL	554.762	o2_mgL	0
manganese_mgL		anionremarks	
<b>Remarks</b>			

(Produced water data courtesy of NMT Octane NM WAIDS database.)





## C-108 Item VII.5 - Produced Water Data BC&D Operating, Inc. - Javelina SWDs

### SOURCE ZONE

#### DELAWARE

<b>API No</b>	3002508489	<b>Lab ID</b>	
<b>Well Name</b>	BELL LAKE UNIT 002	<b>Sample ID</b>	4296
		<b>Sample No</b>	
<b>Location</b>	ULSTR 30 23 S 34 E	<b>Lat / Long</b>	32.27001 -103.51086
	660 S 3300 E	<b>County</b>	Lea
<b>Operator (when sampled)</b>			
	Field SWD	<b>Unit</b>	N
<b>Sample Date</b>		<b>Analysis Date</b>	
	Sample Source UNKNOWN	<b>Depth (if known)</b>	
	Water Typ		
ph		alkalinity_as_caco3_mgL	
ph_temp_F		hardness_as_caco3_mgL	
specificgravity		hardness_mgL	
specificgravity_temp_F		resistivity_ohm_cm	
tds_mgL	52115	resistivity_ohm_cm_temp_	
tds_mgL_180C		conductivity	
chloride_mgL	32200	conductivity_temp_F	
sodium_mgL		carbonate_mgL	
calcium_mgL		bicarbonate_mgL	451
iron_mgL		sulfate_mgL	529
barium_mgL		hydroxide_mgL	
magnesium_mgL		h2s_mgL	
potassium_mgL		co2_mgL	
strontium_mgL		o2_mgL	
manganese_mgL		anionremarks	
<b>Remarks</b>			

(Produced water data courtesy of NMT Octane NM WAIDS database.)



## C-108 Item VII.5 - Produced Water Data BC&D Operating, Inc. - Javelina SWDs

### DISPOSAL ZONE

#### SAN ANDRES

<b>API No</b>	3002523756	<b>Lab ID</b>	
<b>Well Name</b>	LOU WORTHAM 006	<b>Sample ID</b>	3027
		<b>Sample No</b>	
<b>Location</b>	ULSTR 11 22 S 37 E	<b>Lat / Long</b>	32.40711 -103.14079
	2310 N 380 W	<b>County</b>	Lea
<b>Operator (when sampled)</b>	ANADARKO PETROLEUM CORP.		
	Field EUNICE SOUTH	<b>Unit</b>	E
<b>Sample Date</b>	2/19/1998	<b>Analysis Date</b>	3/2/1998
	<b>Sample Source</b>	<b>Depth (if known)</b>	
	<b>Water Type</b>		
ph	7.85	alkalinity_as_caco3_mgL	
ph_temp_F		hardness_as_caco3_mgL	
specificgravity	1.011	hardness_mgL	
specificgravity_temp_F		resistivity_ohm_cm	
tds_mgL	14823.9	resistivity_ohm_cm_temp_	
tds_mgL_180C		conductivity	
chloride_mgL	7018.36	conductivity_temp_F	
sodium_mgL	4620.27	carbonate_mgL	0
calcium_mgL	331.608	bicarbonate_mgL	2343.5
iron_mgL	2.022	sulfate_mgL	207.255
barium_mgL	0.7077	hydroxide_mgL	
magnesium_mgL	199.167	h2s_mgL	192.09
potassium_mgL	243.651	co2_mgL	
strontium_mgL	20.22	o2_mgL	
manganese_mgL		anionremarks	
<b>Remarks</b>			

(Produced water data courtesy of NMT Octane NM WAIDS database.)



## **C-108 ITEM X – LOGS and AVAILABLE TEST DATA**

A Cross-Section presentation with offsetting wells to the northwest and southeast of the proposed SWD to identify the approximate San Andres interval.

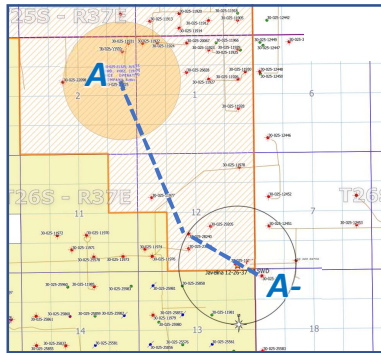
*New logs will be run to positively identify the target intervals within the described maximum top and bottom depths.*

**Cross-Section follows...**

# BC&D Operating, Inc. – Javelina 12-26-37 SWD #1

## Log Cross-Section for San Andres Target Interval

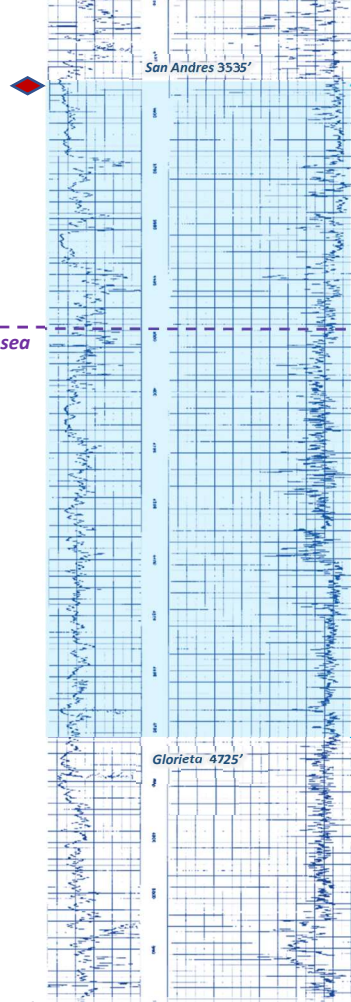
Logs from 3 offsetting wells were reviewed and correlated with the subject interval as goal. Based on the correlation, BC&D is targeting an overall injection interval from approximately 3775 feet to 4900 feet which will be verified upon analyses of new logs including mudlogs.



**Justis SWD #2**  
**30-025-21325**

GL: 3025'; KB 8.0 feet

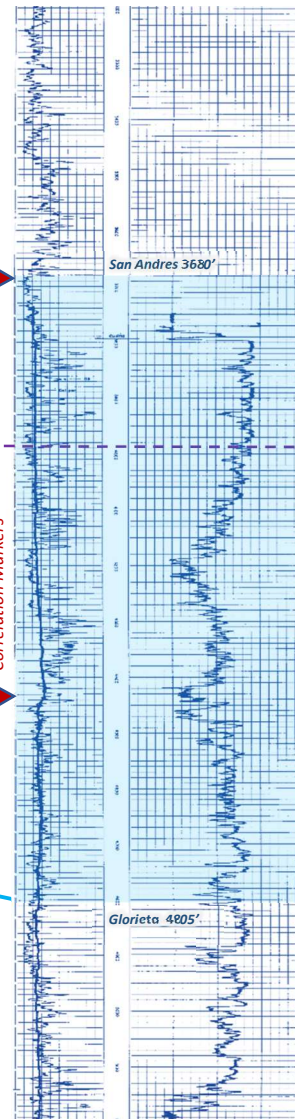
~9,720' N/NW of Subject Location



**Tenneco Federal #1**  
**30-025-23973**

GL: 3001'; KB 20.0 feet

~2,310 NW of Subject Location

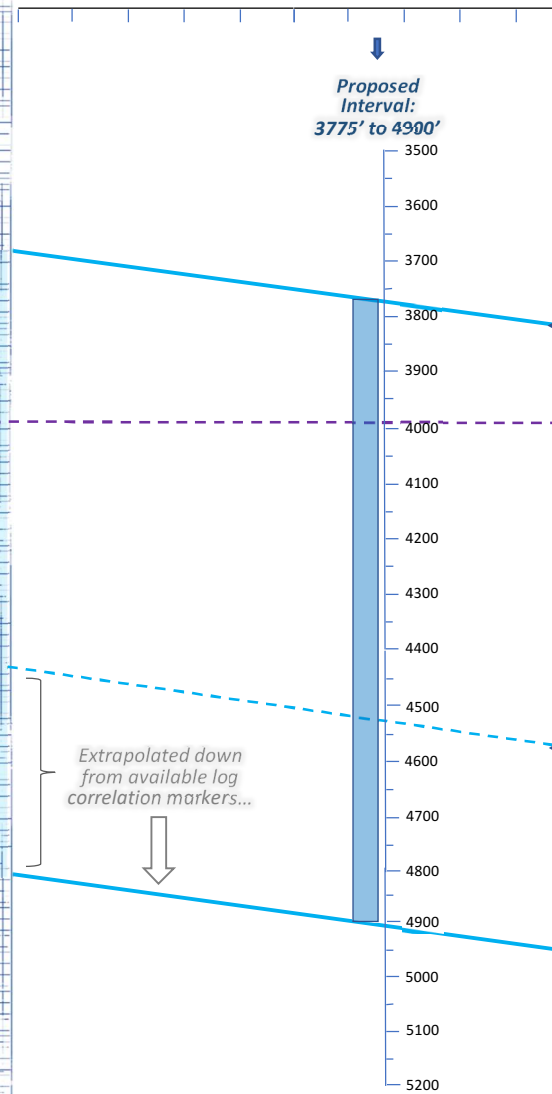


**Javelina 12-26-37 SWD #1**

**30-025-xxxxx (Proposed)**

GL: 3005'; KB 12.0 feet

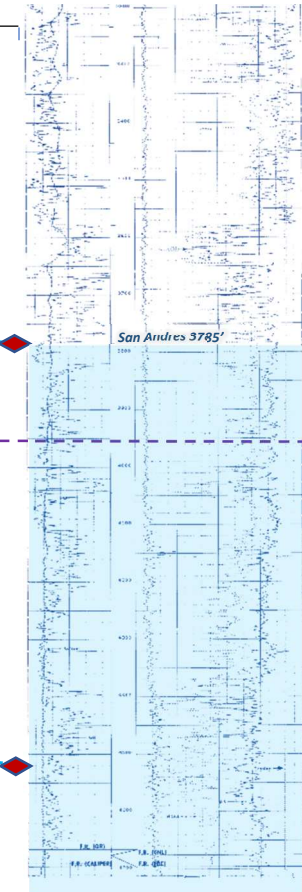
**Subject Location**



**Ed Powell IG Fed #2**  
**30-025-28621**

GL: 3005'; KB 8.0 feet

~1,250' SE of Subject Location



Glorieta estimated 4900'



## C-108 - Item VIII

### Geological Data

The proposed well location on the Central Basin Platform, east of and adjacent to the Delaware Basin. The San Andres offers the best choice for a long-life disposal in this well bore.

Typically the basal member of the San Andres consists of dense zone of dolomite. Above this zone, in the center of the San Andres belt on the Central basin platform and the Northwestern shelf, the San Andres formation consists of limestone and arkosic sands, is up to several hundred feet thick and grades upward and away from the reef into crystalline dolomite. The texture of the dolomites becomes finer on the Northwestern shelf as the proportion of chemically precipitated dolomite increases, and anhydrite becomes present the section, first as small blobs, then as beds (*Jones, 1953*).

Rocks consist of porous and permeable dolomitized carbonates, limestone and finegrained sandstone. They include skeletal grainstones, dolomite, limestone, calcareous and silty sandstones, sponge and algal dolomitized limestone, dolomitized mud and wackestone, and vuggy to cavernous carbonate beds. Carbonate rocks were deposited in open to restricted platforms and platform margins associated with sea-level fluctuations, shelf-margin reef development, evaporites, and sabkha deposits. Reservoir quality is enhanced by selective dolomitization, dissolution, fracturing, and leaching. Reservoirs are contained in the Permian Guadalupian San Andres, Grayburg, Queen, Seven Rivers, and Yates Formations. Individual [formation] thicknesses may range up to hundreds of feet; overall porosities average 12 percent and permeabilities average 18 mD. (*Ball, 1995*).

The San Andres is overlain by the Grayburg and Queen formations and underlain by the Glorieta formation. Some distance is allowed between transitions as no classic sealing strata is present. However, there are some shaley trends above and below the identified interval that will enhance confinement. The perforated completion allows for essential targeting and will assist in preventing upward or downward migration of injected fluids. Overall, the requested interval of 3775 feet to 4900 feet offers good probability of achieving the average desired capacity of 15,000 bwpd.

While much of the production in the area has been plugged out, historically, producing horizons were generally in the Artesia Group including Tansil, Yates, Seven Rivers, Queen and Grayburg. There are no active producing wells within one-half mile of the proposed SWD.



e-Permitting  
C-108 Submittal

Attachment Category

Seismicity Analysis

For High Volume Devonian Wells

**NOT APPLICABLE TO THIS SHALLOW SWD PROSPECT**

## **C-108 ITEM XI**

Water Wells within Area of Review  
and  
Groundwater Information for Area

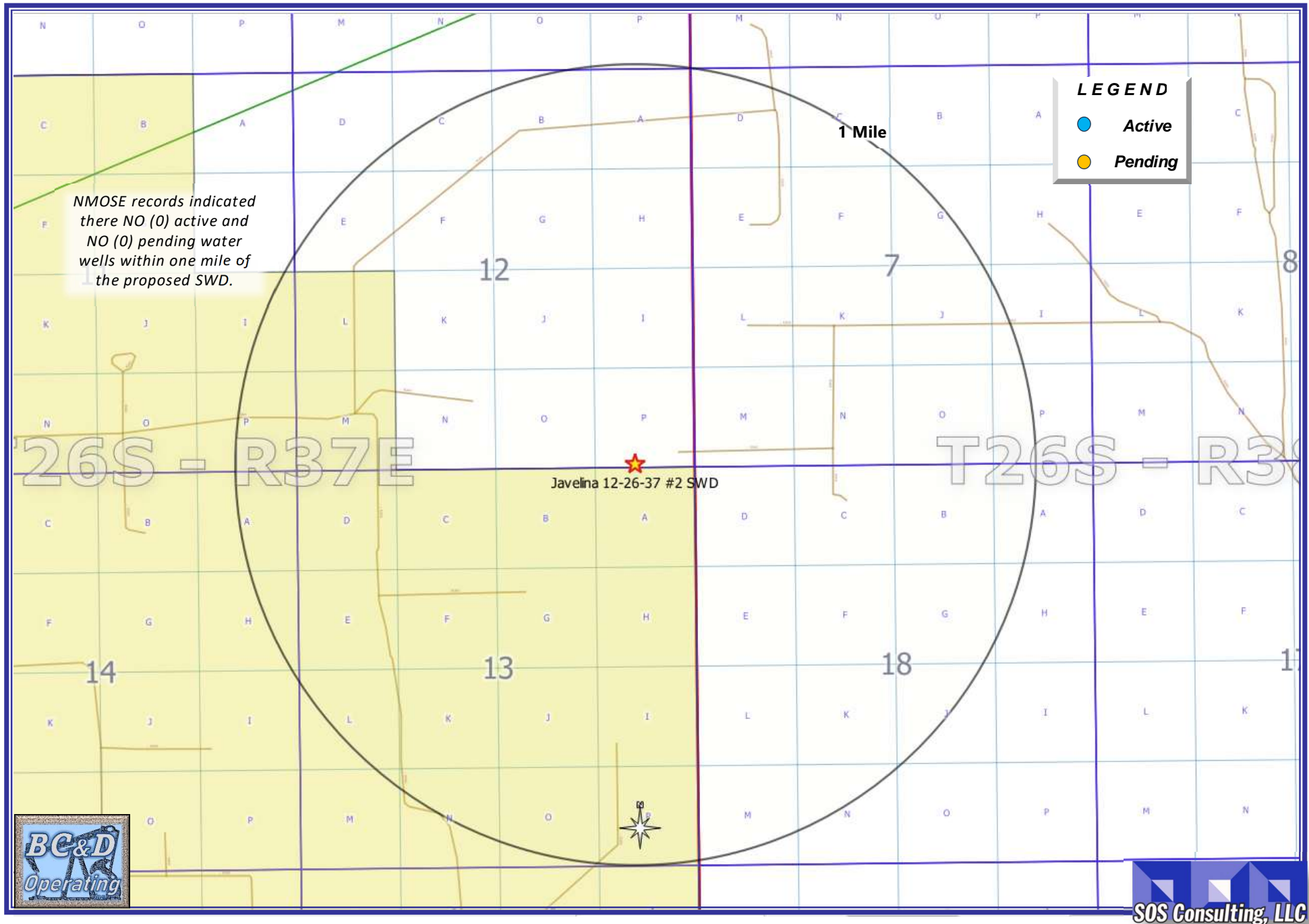
Water Well Map – 1-Mile Area of Review

Fresh Water Analysis if Applicable

*Various Standard Exhibits in Support of Domestic/ Fresh Water Well Data  
and Groundwater Information Follow this Page...*

# Javelina 12-26-37 #2 SWD – 1-Mile AOR Water Wells

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



## **C-108 ITEM XIII – PROOF OF NOTIFICATION**

### IDENTIFICATION AND NOTIFICATION OF AFFECTED PARTIES

#### **Exhibits for Section**

Affected Parties Map

List of Affected Parties

Notification Letter to Affected Parties

Instructions for PDF Document Access

Proof of Certified Mailing

Affidavit Published Legal Notice

## C-108 ITEM XIII – PROOF OF NOTIFICATION AFFECTED PARTIES LIST

**ALL AFFECTED PARTIES ARE PROVIDED A NOTICE LETTER VIA US CERTIFIED MAIL CONTAINING UNIQUE 6 CHARACTER DOCUMENT ACCESS CODES FOR SECURE DOWNLOAD OF A PDF COPY OF THE SUBJECT C-108 APPLICATION. AFFECTED PARTIES MAY ALSO REQUEST A PDF COPY VIA SENT EMAIL.**

"AFFECTED PERSON" MEANS THE DIVISION DESIGNATED OPERATOR; IN THE ABSENCE OF AN OPERATOR, A LESSEE WHOSE INTEREST IS EVIDENCED BY A WRITTEN CONVEYANCE DOCUMENT EITHER OF RECORD OR KNOWN TO THE APPLICANT AS OF THE DATE THE APPLICANT FILES THE APPLICATION; OR IN THE ABSENCE OF AN OPERATOR OR LESSEE, A MINERAL INTEREST OWNER WHOSE INTEREST IS EVIDENCED BY A WRITTEN CONVEYANCE DOCUMENT EITHER OF RECORD OR KNOWN TO THE APPLICANT AS OF THE DATE THE APPLICANT FILED THE APPLICATION FOR PERMIT TO INJECT.; PER OCD RULES NMAC 19.15.26.7, A. AND 19.15.26.8, B.2.

### SURFACE OWNER

NOTICE #	ENTITY	US CERTIFIED TRACKING	SOS DOC ACCESS CODE
1	<b>Willis Family Trust</b> P.O. Box 307 Jal, NM 88252	7018 2290 0001 2038 7855	☒

### OFFSET MINERALS LESSEES and/ or OPERATORS

2	<b>MARATHON OIL, LLC</b> 5555 San Felipe St. Houston, TX 77056	7018 2290 0001 2038 7862	☒
3	<b>LEGACY RESERVES OPERATING</b> 15 Smith Rd., Ste.3000 Midland TX 79705	7018 2290 0001 2038 7879	☒
4	<b>R&amp;R ROYALTY LTD</b> 500 N. Shoreline Boulevard, Suite 322 Corpus Christi, Texas 78401	7018 2290 0001 2038 7886	☒
5	<b>BXP PARTNERS V LP</b> 11757 Katy Fwy, Ste.475 Houston, TX 77079-1761	7018 2290 0001 2038 7893	☒
6	<b>ARMSTRONG ENERGY CORP.</b> PO Box 1973 Roswell, New Mexico 88202	7018 2290 0001 2038 7909	☒
7	<b>PATTERSON OPERATING &amp; PUMPING INC</b> <b>DBA/PENERGY</b> P.O. Box 50076 Midland, TX 79710	7018 2290 0001 2038 7916	☒
8	<b>FULFER OIL &amp; CATTLE COMPANY</b> P.O. Box 1224 Jal, NM 88252	7018 2290 0001 2038 8036	☒

### REGULATORY

9	<b>NM OIL CONSERVATION DIVISION</b> 1220 S. St. Francis Dr. Santa Fe, NM 87505 <b>U.S. DEPARTMENT OF INTERIOR</b> <b>Bureau of Land Management</b> Oil & Gas Division 620 E. Greene St. Carlsbad, NM 88220	<p style="text-align: right;"><i>Filed via OCD Online e-Permitting</i></p> <p>7018 2290 0001 2038 7923</p>	☒
---	---	--	---





September 21, 2023

**NOTIFICATION TO INTERESTED PARTIES**  
**via U.S. Certified Mail – Return Receipt Requested**

To Whom It May Concern:

BC&D Operating, Inc., Hobbs, New Mexico, has made application to the New Mexico Oil Conservation Division to permit for salt water disposal the Javelina 12-26-37 SWD #1. The SWD operation will be for commercial disposal for area operations. As indicated in the notice below, the well is located in Section 12, Township 26 South, Range 37 East in Lea County, New Mexico.

The published notice states that the interval will be from 3,775 feet to 4,900 feet into the San Andres formation. Following is the notice published in the Hobbs News-Sun, Hobbs, New Mexico on or about September 24, 2023.

**LEGAL NOTICE**

BC&D Operating, Inc., Hobbs, New Mexico is filing Form C-108 (Application for Authority to Inject) with the New Mexico Oil Conservation Division seeking administrative approval to permit for salt water disposal its Javelina 12-26-37 SWD #1 (API No.30-025-TBD). The well will be located 230 feet from the South line and 800 feet from the East line (Unit P) of Section 12, Township 26 South, Range 37 East, NMPM, Lea County, New Mexico. Produced water from area operators' production will be commercially disposed into the San Andres formation through perforations from 3775' to 4900' at a maximum surface pressure of 755 psi, maximum daily rate of 15,000 bwpd and an average rate of 12,500 bwpd. The subject SWD well is located approximately 6.4 miles southeast of Jal, New Mexico.

Interested parties wishing to object to the proposed application must file with the New Mexico Oil Conservation Division, 1220 St. Francis Dr., Santa Fe, NM 87505, (505)476-3460 within 15 days of the date of this notice. Additional information may be obtained from the applicant's agent, SOS Consulting, LLC, (936)377-5696 or, email [info@sosconsulting.us](mailto:info@sosconsulting.us).

***You have been identified as a party who may be interested as an offset lessee or operator.***

You are entitled to a full copy of the application. SOS Consulting has deployed a new app for the explicit secure delivery of a full PDF copy of the application. Any user employed with **Affected Party** may log into the system and when prompted for a *Document Access Code*, enter **0000XX** to View or Download the document as desired. Using the *SOS Client and Affected Party Document Access* app takes about one minute, start to finish instructions are included, and only name, email and company name are needed to access the system.

Thank you for your attention in this matter.

Best regards,

A handwritten signature in black ink, appearing to read 'Ben Stone', is written over a light blue horizontal line.

Ben Stone, SOS Consulting, LLC  
Agent for BC&D Operating, Inc.

Cc: Application File

## User Information for the SOS Client & Affected Party Portal

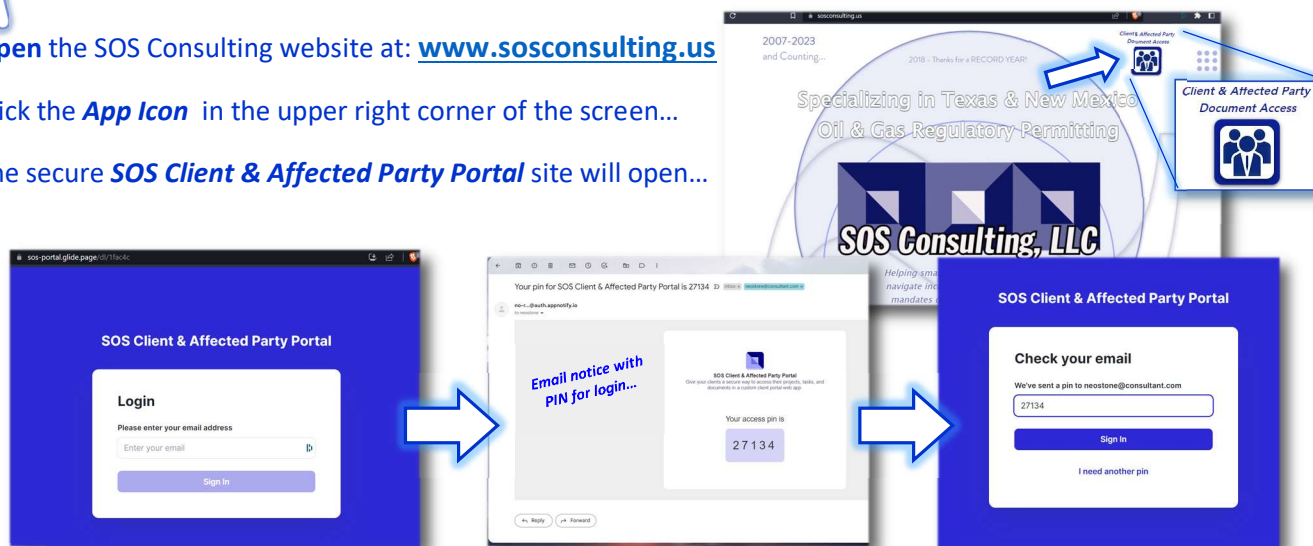
Thank you for using the new SOS Document Portal. This system allows for the **secure delivery of all types of applications and any resulting permits**. The system is built in and stored in the cloud using the best available platforms and code for a secure and robust app. We hope you appreciate our efforts to reduce printed paper copies and deliver pertinent documents in a much more efficient way. If you're a client, you may use the portal to view all the applications that SOS Consulting, LLC has generated on behalf of you or your organization.

1

Open the SOS Consulting website at: [www.sosconsulting.us](http://www.sosconsulting.us)

Click the **App Icon** in the upper right corner of the screen...

The secure **SOS Client & Affected Party Portal** site will open...



2

Become a user of the site by entering your email address and basic info for your profile – minimal information is required although we ask that you provide your company name so we may view who and which companies have reviewed a particular document.

(Please note that nothing is done with your information – it is only for access to this portal.)

Each time you log into the SOS Portal, you will be sent a pin code for **2-Step Verification** to your email within 15 seconds. Enter the code for access to the portal.

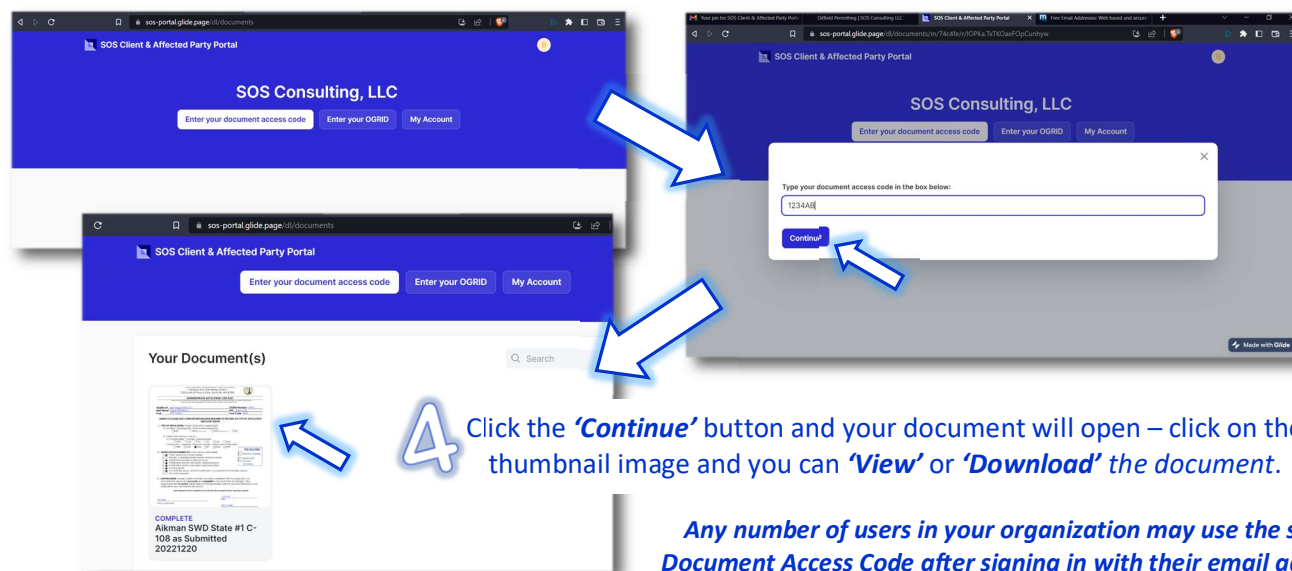


MOBILE ACCESS

3

The SOS portal will open to your user page or the portal home. If you don't see this screen, simply click on the SOS Client & Affected Party title and the home page will open. This page allows you to enter a 'Document Access Code' or if a client, 'Enter your OGRID'. (When entering an OGRID, you will also be prompted for a Client ID for security – SOS Consulting will have already provided this to its clients.)

Note: The unique Document Access Code is provided in your 'Notice Letter to Affected Parties'.



4

Click the 'Continue' button and your document will open – click on the thumbnail image and you can 'View' or 'Download' the document.

**Any number of users in your organization may use the same Document Access Code after signing in with their email address!**

**C-108 - Item XIV**

Proof of Notice (Certified Mail Receipts)

7018 2290 0001 2038 7855

U.S. Postal Service™ CERTIFIED MAIL® RECEIPT Domestic Mail Only	
For delivery information, visit our website at <a href="http://www.usps.com">www.usps.com</a> ®.	
Jal, NM 88252	
Certified Mail Fee \$4.35	0360 05
Extra Services & Fees (check box, add fee as appropriate)	Postmark Here
<input type="checkbox"/> Return Receipt (hardcopy) \$0.00	
<input type="checkbox"/> Return Receipt (electronic) \$0.00	
<input type="checkbox"/> Certified Mail Restricted Delivery \$0.00	
<input type="checkbox"/> Adult Signature Required \$0.00	
<input type="checkbox"/> Adult Signature Restricted Delivery \$0.00	
Postage \$0.66	09/21/2023
Total Postage and Fees \$8.56	
Sent To	
Street and Apt	
City, State, Zip	
Willis Family Trust P.O. Box 307 Jal, NM 88252	
PS Form 3800	ions

7018 2290 0001 2038 7862

U.S. Postal Service™ CERTIFIED MAIL® RECEIPT Domestic Mail Only	
For delivery information, visit our website at <a href="http://www.usps.com">www.usps.com</a> ®.	
Houston, TX 77056	
Certified Mail Fee \$4.35	0360 05
Extra Services & Fees (check box, add fee as appropriate)	Postmark Here
<input type="checkbox"/> Return Receipt (hardcopy) \$0.00	
<input type="checkbox"/> Return Receipt (electronic) \$0.00	
<input type="checkbox"/> Certified Mail Restricted Delivery \$0.00	
<input type="checkbox"/> Adult Signature Required \$0.00	
<input type="checkbox"/> Adult Signature Restricted Delivery \$0.00	
Postage \$0.66	09/21/2023
Total Postage and Fees \$8.56	
Sent To	
Street and Apt	
City, State, Zip	
MARATHON OIL, LLC 5555 San Felipe St. Houston, TX 77056	
PS Form 3800	ctions

7018 2290 0001 2038 7879

U.S. Postal Service™ CERTIFIED MAIL® RECEIPT Domestic Mail Only	
For delivery information, visit our website at <a href="http://www.usps.com">www.usps.com</a> ®.	
Midland, TX 79705	
Certified Mail Fee \$4.35	0360 05
Extra Services & Fees (check box, add fee as appropriate)	Postmark Here
<input type="checkbox"/> Return Receipt (hardcopy) \$0.00	
<input type="checkbox"/> Return Receipt (electronic) \$0.00	
<input type="checkbox"/> Certified Mail Restricted Delivery \$0.00	
<input type="checkbox"/> Adult Signature Required \$0.00	
<input type="checkbox"/> Adult Signature Restricted Delivery \$0.00	
Postage \$0.66	09/21/2023
Total Postage and Fees \$8.56	
Sent To	
Street and Apt	
City, State, Zip	
LEGACY RESERVES OPERATING 15 Smith Rd., Ste.3000 Midland TX 79705	
PS Form 3800	ions

7018 2290 0001 2038 7886

U.S. Postal Service™ CERTIFIED MAIL® RECEIPT Domestic Mail Only	
For delivery information, visit our website at <a href="http://www.usps.com">www.usps.com</a> ®.	
Corpus Christi, TX 78401	
Certified Mail Fee \$4.35	0360 05
Extra Services & Fees (check box, add fee as appropriate)	Postmark Here
<input type="checkbox"/> Return Receipt (hardcopy) \$0.00	
<input type="checkbox"/> Return Receipt (electronic) \$0.00	
<input type="checkbox"/> Certified Mail Restricted Delivery \$0.00	
<input type="checkbox"/> Adult Signature Required \$0.00	
<input type="checkbox"/> Adult Signature Restricted Delivery \$0.00	
Postage \$0.66	09/21/2023
Total Postage and Fees \$8.56	
Sent To	
Street and Apt	
City, State, Zip	
R&R ROYALTY LTD 500 N. Shoreline Boulevard, Suite 322 Corpus Christi, Texas 78401	
PS Form 3800	ions



**C-108 - Item XIV**

Proof of Notice (Certified Mail Receipts – cont.)

7018 2290 0001 2038 7893

U.S. Postal Service™ CERTIFIED MAIL® RECEIPT Domestic Mail Only	
For delivery information, visit our website at <a href="http://www.usps.com">www.usps.com</a> ®.	
Houston, TX 77079	
Certified Mail Fee \$4.35	0360 05
Extra Services & Fees (check box, add fee as appropriate)	Postmark Here
<input type="checkbox"/> Return Receipt (hardcopy) \$0.00	
<input type="checkbox"/> Return Receipt (electronic) \$0.00	
<input type="checkbox"/> Certified Mail Restricted Delivery \$0.00	
<input type="checkbox"/> Adult Signature Required \$0.00	
<input type="checkbox"/> Adult Signature Restricted Delivery \$0.00	
Postage \$0.66	09/21/2023
Total Postage and Fees \$8.56	
Sent To Street and City, State, Zip PS Form 3800	
BXP PARTNERS V LP 11757 Katy Fwy, Ste.475 Houston, TX 77079-1761	

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U.S. Postal Service™ CERTIFIED MAIL® RECEIPT Domestic Mail Only	
For delivery information, visit our website at <a href="http://www.usps.com">www.usps.com</a> ®.	
Roswell, NM 88202	
Certified Mail Fee \$4.35	0360 05
Extra Services & Fees (check box, add fee as appropriate)	Postmark Here
<input type="checkbox"/> Return Receipt (hardcopy) \$0.00	
<input type="checkbox"/> Return Receipt (electronic) \$0.00	
<input type="checkbox"/> Certified Mail Restricted Delivery \$0.00	
<input type="checkbox"/> Adult Signature Required \$0.00	
<input type="checkbox"/> Adult Signature Restricted Delivery \$0.00	
Postage \$0.66	09/21/2023
Total Postage and Fees \$8.56	
Sent To Street and City, State, Zip PS Form 3800	
ARMSTRONG ENERGY CORP. PO Box 1973 Roswell, New Mexico 88202	

7018 2290 0001 2038 7916

U.S. Postal Service™ CERTIFIED MAIL® RECEIPT Domestic Mail Only	
For delivery information, visit our website at <a href="http://www.usps.com">www.usps.com</a> ®.	
Midland, TX 79710	
Certified Mail Fee \$4.35	0360 05
Extra Services & Fees (check box, add fee as appropriate)	Postmark Here
<input type="checkbox"/> Return Receipt (hardcopy) \$0.00	
<input type="checkbox"/> Return Receipt (electronic) \$0.00	
<input type="checkbox"/> Certified Mail Restricted Delivery \$0.00	
<input type="checkbox"/> Adult Signature Required \$0.00	
<input type="checkbox"/> Adult Signature Restricted Delivery \$0.00	
Postage \$0.66	09/21/2023
Total Postage and Fees \$8.56	
Sent To Street and Ap City, State, Zip PS Form 3800	
PATTERSON OPERATING & PUMPING INC DBA/PENERGY P.O. Box 50076 Midland, TX 79710	

7018 2290 0001 2038 7923

U.S. Postal Service™ CERTIFIED MAIL® RECEIPT Domestic Mail Only	
For delivery information, visit our website at <a href="http://www.usps.com">www.usps.com</a> ®.	
Carlsbad, NM 88220	
Certified Mail Fee \$4.35	0360 05
Extra Services & Fees (check box, add fee as appropriate)	Postmark Here
<input type="checkbox"/> Return Receipt (hardcopy) \$0.00	
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<input type="checkbox"/> Certified Mail Restricted Delivery \$0.00	
<input type="checkbox"/> Adult Signature Required \$0.00	
<input type="checkbox"/> Adult Signature Restricted Delivery \$0.00	
Postage \$0.66	09/21/2023
Total Postage and Fees \$8.56	
Sent To Street and Ap City, State, Zip PS Form 3800	
Bureau of Land Management Oil & Gas Division 620 E. Greene St. Carlsbad, NM 88220	

**C-108 - Item XIV**

Proof of Notice (Certified Mail Receipts – cont.)

7018 2290 0001 2038 8036

U.S. Postal Service™ CERTIFIED MAIL® RECEIPT Domestic Mail Only	
For delivery information, visit our website at <a href="http://www.usps.com">www.usps.com</a> ®.	
Jal, NM 88252	
<b>OFFICIAL USE</b>	
Certified Mail Fee	\$4.35
Extra Services & Fees (check box, add fee as appropriate)	\$7.55
<input type="checkbox"/> Return Receipt (hardcopy)	\$0.00
<input type="checkbox"/> Return Receipt (electronic)	\$0.00
<input type="checkbox"/> Certified Mail Restricted Delivery	\$0.00
<input type="checkbox"/> Adult Signature Required	\$0.00
<input type="checkbox"/> Adult Signature Restricted Delivery	\$0.00
Postage	\$0.66
Total Postage and Fees	\$8.56
0360 04	
Postmark Here	
09/26/2023	
Sent To	FULFER OIL & CATTLE CO.
Street and	PO BOX 1224
City, State	Jal, NM 88252
PS Form	Javelina 12
Instructions	



**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  
September 24, 2023  
and ending with the issue dated  
September 24, 2023.



Publisher

Sworn and subscribed to before me this  
24th day of September 2023.

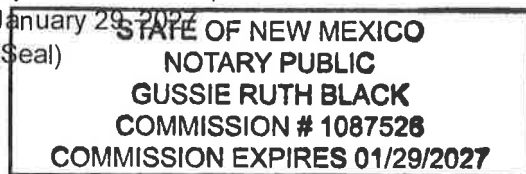


Business Manager

My commission expires

January 29, 2027

(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 publication has been made.

**LEGAL NOTICE**  
**September 24, 2023**

BC&D Operating, Inc., Hobbs, New Mexico is filing Form C-108 (Application for Authority to Inject) with the New Mexico Oil Conservation Division seeking administrative approval to permit for salt water disposal its Javelina 12-26-37 SWD #1 (API No.30-025-TBD). The well will be located 230 feet from the South line and 800 feet from the East line (Unit P) of Section 12, Township 26 South, Range 37 East, NMPM, Lea County, New Mexico. Produced water from area operators' production will be commercially disposed into the San Andres formation through perforations from 3775' to 4900' at a maximum surface pressure of 755 psi, maximum daily rate of 15,000 bwpd and an average rate of 12,500 bwpd. The subject SWD well is located approximately 6.4 miles southeast of Jal, New Mexico.

Interested parties wishing to object to the proposed application must file with the New Mexico Oil Conservation Division, 1220 St. Francis Dr., Santa Fe, NM 87505, (505)476-3460 within 15 days of the date of this notice. Additional information may be obtained from the applicant's agent, SOS Consulting, LLC, (936)377-5696 or, email info@sosconsulting.us.  
#00283052

67104420

00283052

BEN STONE  
SOS CONSULTING, LLC.  
21 RED OAK CIRCLE  
POINT BLANK, TX 77364

## 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 &amp; 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 30-025-XXXXX		<sup>2</sup> Pool Code 96121	<sup>3</sup> Pool Name SWD; San Andres
<sup>4</sup> Property Code TBD	<sup>5</sup> Property Name Javelina 12-26-37 SWD		<sup>6</sup> Well Number 1
<sup>7</sup> OGRID No. 25670	<sup>8</sup> Operator Name BC&D Operating, Inc.		<sup>9</sup> Elevation 3005'

<sup>10</sup> Surface Location

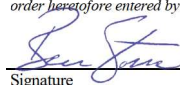
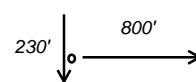
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	12	26S	37E		230'	FSL	800'	FEL	Lea

<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
same									

<sup>12</sup> Dedicated Acres n/a	<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 interests have been consolidated or a non-standard unit has been approved by the division.

<sup>16</sup>				<sup>17</sup> <b>OPERATOR CERTIFICATION</b> 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 9/15/2023 Date Ben Stone Printed Name ben@sosconsulting.us E-mail Address
				<sup>18</sup> <b>SURVEYOR CERTIFICATION</b> 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.
				Date of Survey Signature and Seal of Professional Surveyor:  PRE-SURVEY FOR INFORMATIONAL PURPOSES ONLY.
				Certificate Number  



# WELL SCHEMATIC - PROPOSED Javelina 12-26-37 SWD #1

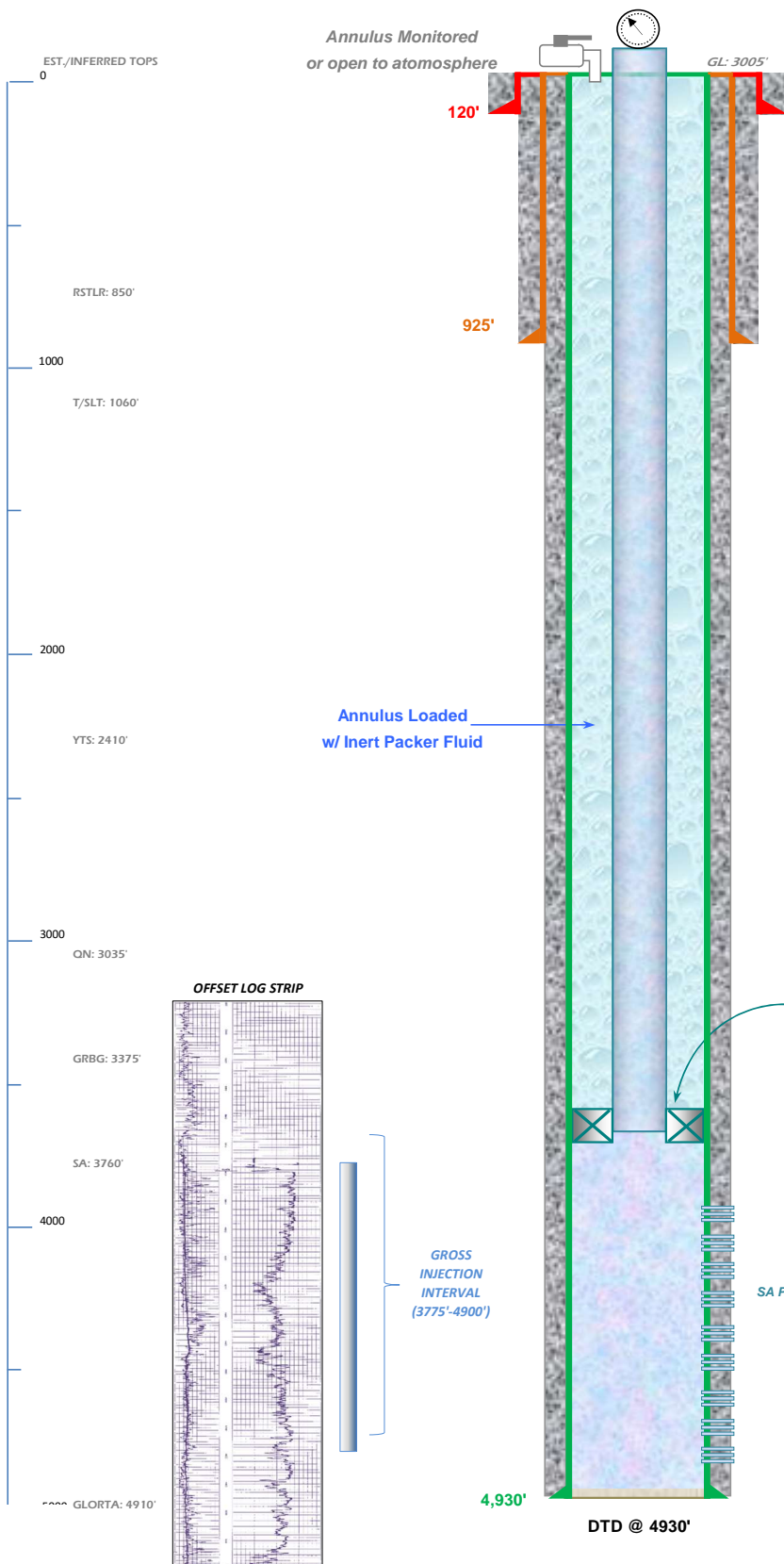
API 30-025-xxxxx

230' FSL & 800' FEL, SEC. 12-26S-R37E  
LEA COUNTY, NEW MEXICO

SWD; San Andres (96121)

Spud Date: ~4/01/2024

Config SWD Dt: ~4/15/2024



Injection Pressure Regulated  
and Volumes Reported  
755 psi Max. Surface (0.2 psi/ft)

**Conductor Casing**

16.0" Csg. (20.0" Hole) @ 120'  
8 yds - Surface

**Surface Casing**

9.625", 40.0# J-55 Csg. (12.25" Hole) @ 925'  
1240 sx - Circulated to Surface

**BC&D OPERATING, INC.**

**Drill and Complete New SWD:**  
Drill and set casing as shown (25%-50% excess Cmt).  
Perforate interval w/ 4-8 jsf.  
Acidize w/ up to ~15,000 gals 15% HCl  
Run PC Tubing and PKR - Conduct Witnessed MIT.  
Commence Disposal Operations.  
File all appropriate sundries and C-105 Completion Report.

**Production Casing**

7.0", 26.0# J-55 Csg. (8.75" Hole) @ 4,930';  
710 sx 'C' - Calc'd to Circ.

Drawn by: Ben Stone, 9/20/2023



## **C-108 ITEM XIII – PROOF OF NOTIFICATION**

### IDENTIFICATION AND NOTIFICATION OF AFFECTED PARTIES

#### **Exhibits for Section**

Affected Parties Map

List of Affected Parties

Notification Letter to Affected Parties

Instructions for PDF Document Access

Proof of Certified Mailing

Affidavit Published Legal Notice

## **C-108 - Items III, IV, V**

### **Item III - Subject Well Data**

Wellbore Diagram – PROPOSED (New)

### **Item IV – Tabulation of AOR Wells**

Tabulation includes all wells within a 1/2-mile radius.  
9 wells penetrate the proposed injection interval; 7 P&A'd.

### **Item V – Area of Review Maps**

1. Two Mile AOR Map with One-Mile Fresh Water Well Radius
2. 1/2-Mile AOR Map

All Above Exhibits follow this page.



## Form C-108 Item VI - Tabulation of AOR Wells

API	Top of Proposed SAN ANDRES Interval 3775'				ALL Wells (9) Penetrate Proposed Interval.*				
	Current Operator	Well Name	Type	Status	ULSTR	Lease	Depth (V)	Spud Dt.	Plug Dt.
<u>Subject Well</u>									
30-025-xxxxx	BC&D Operating, Inc.	Javelinla 12-26-37 SWD #1	SWD	New	P-12-26S-37E	Private	4950'	~4/01/2024	
<u>Sectionns 7 &amp; 12 Wells</u>									
30-025-12451	PRE-ONGARD WELL OPERATOR	PRE-ONGARD WELL #001	Oil	P&A-R	L-07-26S-38E	Federal	12950'	3/4/1960	4/12/1967 P&A diagram attached.
30-025-33793	LIME ROCK RESOURCES A, L.P.	ED POWELL BGP FEDERAL #001	Oil	P&A-R	N-07-26S-38E	Federal	11722'	5/15/1997	12/15/2008 P&A diagram attached.
30-025-29205	FRISCO ENERGY, L.L.C.	TENNECO FEDERAL #003	Oil	P&A-R	J-12-26S-37E	Federal	9300'	4/30/1985	8/16/2002 P&A diagram attached.
30-025-28240	PRE-ONGARD WELL OPERATOR	PRE-ONGARD WELL #002	Oil	P&A-R	K-12-26S-37E	Federal	7500'	6/19/1983	9/27/1988 P&A diagram attached.
30-025-23973	SIERRA BLANCA OPERATING COMPANY	TENNECO FEDERAL #001	Gas	P&A-R	N-12-26S-37E	Federal	11854'	12/13/1971	3/21/1997 P&A diagram attached.
30-025-11975	PRE-ONGARD WELL OPERATOR	PRE-ONGARD WELL #001	Oil	P&A-R	P-12-26S-37E	Federal	12125'	9/7/1961	12/7/1961
<u>Sections 13 &amp; 18 Wells</u>									
30-025-25858	PATTERSON OPERATING & PUMPING INC DBA/PENERGY	GLENN RYAN #009	Oil	Active	C-13-26S-37E	Federal	3642'	5/14/1978	
									VERTICAL Queen Perfs: 3386'-3552'; 8.625" (12.25" hole) @ 506' w/ 500 sx - circ.; 5.5" (7.875" hole) @ 3642' w/ 800 sx - circ. to surf.
30-025-11981	PATTERSON OPERATING & PUMPING INC DBA/PENERGY	GLENN RYAN #016	Oil	Active	G-13-26S-37E	Federal	9861'	12/6/1944	
									VERTICAL Queen Perfs: 3399'-3435'; 13.375" (17.5" hole) @ 409' w/ 400 sx - circ.; 9.625" (12.25" hole) @ 4199' w/ 4000 sx - circ. to surf.
30-025-28621	EOG Y RESOURCES, INC.	ED POWELL IG FEDERAL #002	Oil	P&A-R	D-18-26S-38E	Federal	4700'	2/28/1984	4/6/1995 P&A diagram attached.
* 30-025-25858 actually does not penetrate but included in tabulation for info.									

SUMMARY: 9 wells penetrate the proposed disposal interval, 7 P&amp;A.



## **C-108 ITEM VII – PRODUCED WATER ANALYSES**

*Source and Disposal Waters are Reasonably Compatible.*

### **Item VII.4 – Water Analysis of Source Zone Water**

Queen, Grayburg, Delaware, Bone Spring, Wolfcamp

### **Item VII.5 – Water Analysis of Disposal Zone Water**

San Andres

*Water analysis summaries follow this page...*

e-Permitting  
C-108 Submittal

Attachment Category

Seismicity Analysis

For High Volume Devonian Wells

**NOT APPLICABLE TO THIS SHALLOW SWD PROSPECT**

## C-108 ITEM VII – PROPOSED OPERATION

The Javelina 12-26-37 SWD #1 will be operated as a commercial disposal service to area operators to facilitate the disposal of produced water from typical producing formations in the area. Source water will typically be from Bone Spring, Wolfcamp and Delaware production. Analyses from these formations as well as the San Andres are included herein.

BC&D Operating, Inc. does not believe the proposed SWD will have any adverse impact on producing operations in the area. There is no San Andres production within one mile. The area is well east of the Delaware Mountain Group Risk Assessment area and is up on the platform.

The system will be closed utilizing a tank battery facility located on the well site as well as delivery via pipeline. The well and injection equipment will be equipped with pressure limiting devices and volume meters. The annulus, loaded with an inert, anti-corrosion packer fluid, will be monitored for pressure.

The tanks will be equipped with telemetry devices and visual alarms to alert the operator and customers of full tanks or an overflow situation. Any adverse event will be handled expeditiously and reported as the situation may require.

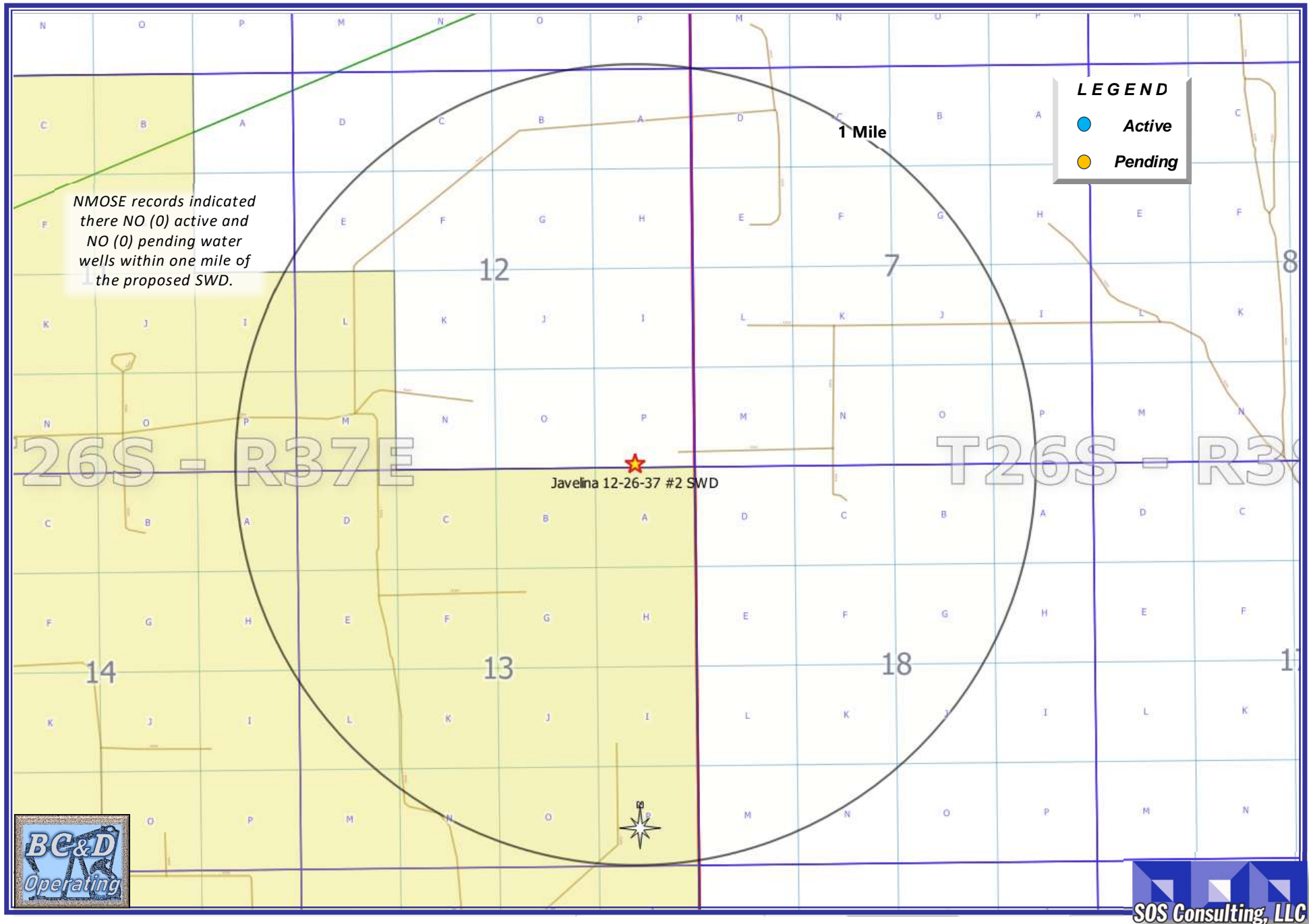
Injection pressure will be 755 psi with a maximum daily rate of 15,000 bwpd is being requested but average rates are expected to be approximately 10,000 bwpd. In the future, BC&D Operating, Inc. may opt to conduct a step rate test if it is determined that greater rates may be required. This would be submitted to OCD as a request for *Injection Pressure Increase*.

Routine maintenance will be ongoing, and any releases will be reported within 24 hours to OCD on form C-141 pursuant to various portions of 19.15.30 NMAC.

The facility will be available for inspections at any time deemed necessary by OCD.

# Javelina 12-26-37 #2 SWD – 1-Mile AOR Water Wells

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





**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 272495

CONDITIONS

Operator: BC & D OPERATING INC. 2702 N. Grimes ST B Hobbs, NM 88240	OGRID: 25670
	Action Number: 272495
	Action Type: [C-108] Fluid Injection Well (C-108)

CONDITIONS

Created By	Condition	Condition Date
anthony.harris	None	10/26/2023