

AE Order Number Banner

Application Number: pMSG2420355736

SWD-2625

BC & D OPERATING INC. [25670]

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 9-25-37 SWD #2 **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
<input type="checkbox"/> Notice Complete
<input type="checkbox"/> Application Content Complete

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

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

Ben Stone

Print or Type Name

Signature

7/01/2024

Date

903-377-5696

Phone Number

ben@sosconsulting.us

e-mail Address



June 24, 2024

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 9-25-37 SWD #2, (API 30-025-xxxxx) located in Section 9, Township 25 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 June 19, 2024, 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 black 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 5 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. **2 P&A wells penetrate, P&A diagrams are ATTACHED + 1 Pending P&A (sundry intent appr'd).**
- 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 3 water wells and 1 pending WW within one mile of the proposed SWD well per OSE data. Analysis ATTACHED.**
- 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 11 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: **7/01/2024**

E-MAIL ADDRESS: **ben@sosconsulting.us**

* 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.

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 & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-XXXXX		² Pool Code 96121		³ Pool Name SWD; San Andres	
⁴ Property Code TBD		⁵ Property Name Javelina 9-25-37 SWD			⁶ Well Number 2
⁷ OGRID No. 25670		⁸ Operator Name BC&D Operating, Inc.			⁹ Elevation 3133'

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	9	25S	37E		205'	FNL	515'	FWL	Lea

¹¹ Bottom Hole Location If Different From Surface

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

¹² Dedicated Acres n/a	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ 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.

	<p>¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</p>		
	<p><i>Ben Stone</i> Signature</p>		<p>6/15/2024 Date</p>
	<p>Ben Stone Printed Name</p>		
	<p>ben@sosconsulting.us E-mail Address</p>		
<p>¹⁸ SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</p>			
<p>Date of Survey</p>			
<p>Signature and Seal of Professional Surveyor:</p>			
<p>PRE-SURVEY FOR INFORMATIONAL PURPOSES ONLY.</p>			
<p>Certificate Number</p>			

C-108 - Items III, IV, V

Item III - Subject Well Data

Wellbore Diagram – PROPOSED (New)

Item V – Area of Review Maps

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

Item VI – Tabulation of AOR Wells

Tabulation includes all wells within a 1/2-mile radius.
5 wells penetrate the proposed injection interval; 4 are P&A'd.
P&A Well Diagrams

All Above Exhibits follow this page...

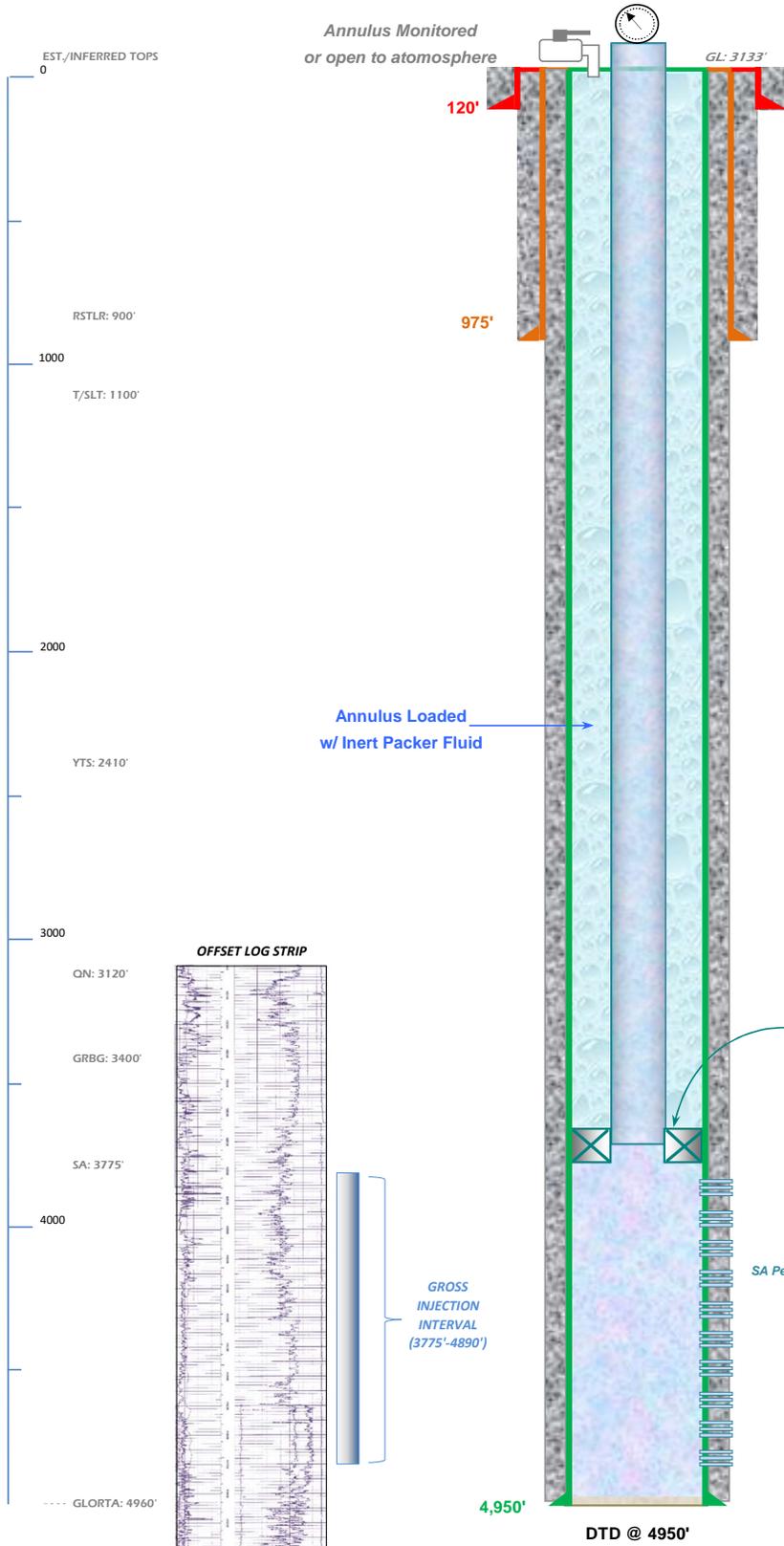


WELL SCHEMATIC - PROPOSED Javelina 9-25-37 SWD #2

SWD; San Andres (96121)

API 30-025-xxxxx
205' FNL & 515' FWL, SEC. 9-25S-R37E
LEA COUNTY, NEW MEXICO

Spud Date: ~1/15/2025
Config SWD Dt: ~2/15/2025



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) @ 975'
1255 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.

Production Casing
7.625", 26.4# P-110 Csg. (8.75" Hole) @ 4,950';
745 sx 'C' - Calc'd to Circ.

Drawn by: Ben Stone, 6/18/2024





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.





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

Options

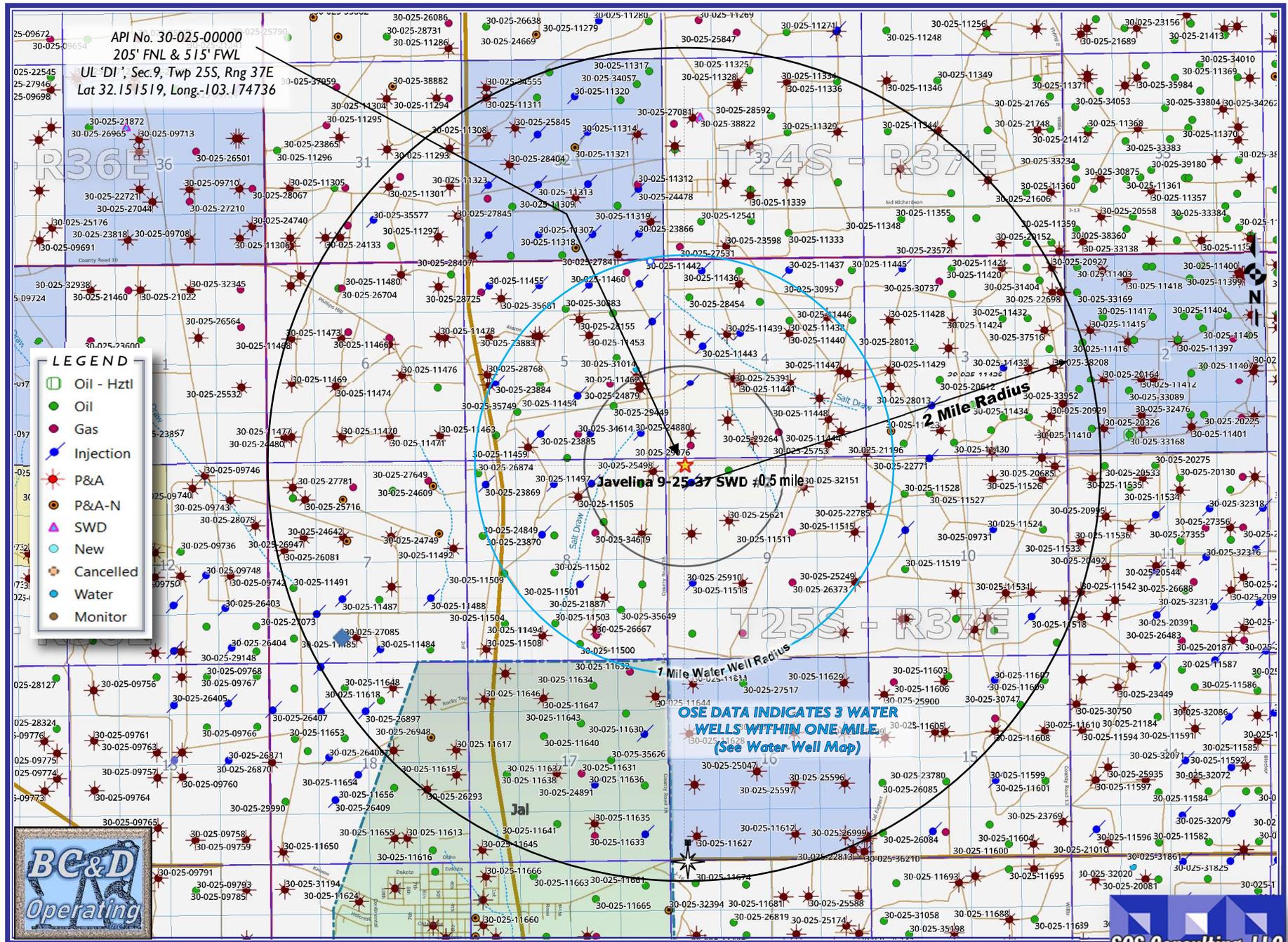
- Elastomer options are available for hostile environments.

For internal use

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

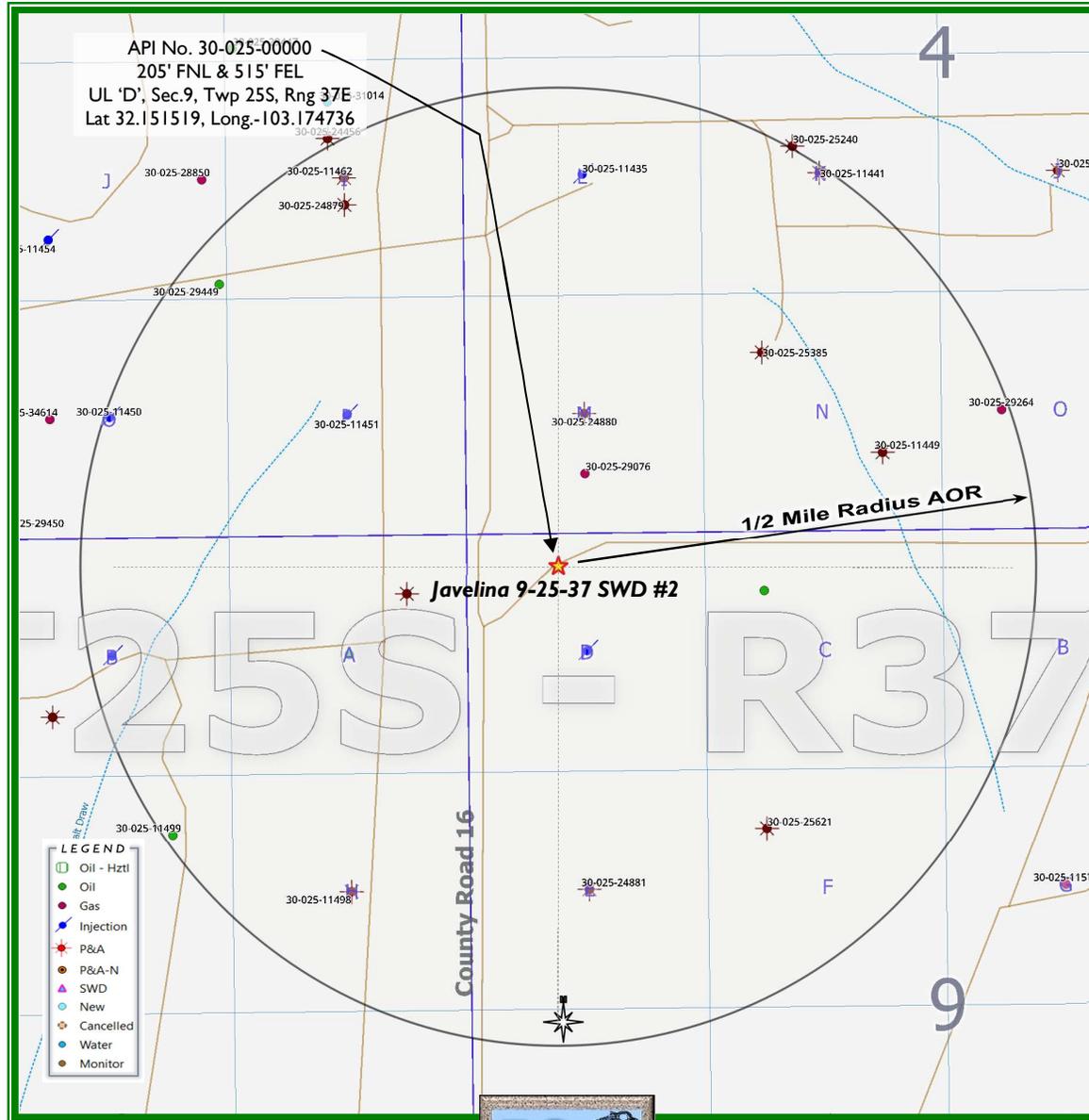
Javelina 9-25-37 #2 SWD - Area of Review / 2 Miles

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



Javelina 9-25-37 #2 SWD - Area of Review / Overview Map

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



~2.4 miles E/NE of Jal, NM



Lea County, New Mexico



Form C-108 Item VI - Tabulation of AOR Wells

Top of Proposed SAN ANDRES Interval 3775'					5 Wells Penetrate Proposed Interval.				
API	Current Operator	Well Name	Type	Status	ULSTR	Lease	Spud Dt.	Depth (V)	Plug Dt.
<i>Subject Well</i>									
30-025-xxxxx	BC&D Operating, Inc.	Javelinla 9-25-37 SWD #2	SWD	New	Private	4810'	~4/01/2024	4950'	
30-025-11497	CART HILL ENERGY, LLC	LANGLIE JAL UNIT #073	Injection	Active	K-04-25S-37E	Federal	1/31/1938	3662'	
30-025-11450	CART HILL ENERGY, LLC	LANGLIE JAL UNIT #064	Injection	Active	K-04-25S-37E	Federal	6/6/1938	3700'	
30-025-11499	BXP Operating, LLC	LANGLIE JAL UNIT #078	Oil	Active	L-04-25S-37E	Federal	4/4/1938	3730'	
30-025-29449	CART HILL ENERGY, LLC	LANGLIE JAL UNIT #110	Oil	Active	M-04-25S-37E	Federal	11/12/1985	3800'	
30-025-24879	LEGACY RESERVES OPERATING, LP	LANGLIE JAL UNIT #060	Injection	P&A-R	M-04-25S-37E	Federal	12/31/9999	3850'	1/15/2014 <i>P&A diagram attached.</i>
30-025-11496	CART HILL ENERGY, LLC	LANGLIE JAL UNIT #074	Oil	Active	N-04-25S-37E	Federal	9/23/1937	3680'	
30-025-11462	HERMAN L. LOEB LLC	WELLS FEDERAL #001	Gas	P&A-R	N-04-25S-37E	Federal	8/24/1955	3575'	1/29/2018
30-025-11451	CART HILL ENERGY, LLC	LANGLIE JAL UNIT #063	Injection	Active	O-04-25S-37E	Federal	3/21/1937	3655'	
30-025-11498	BXP Operating, LLC	LANGLIE JAL UNIT #077	Injection	P&A-R	I-05-25S-37E	Federal	12/31/9999	3647'	11/7/2018
30-025-25498	HERMAN L. LOEB LLC	LANGLIE JAL FEDERAL #001	Gas	P&A-R	I-05-25S-37E	Federal	12/31/9999	3274'	4/21/2018
30-025-11435	CART HILL ENERGY, LLC	LANGLIE JAL UNIT #061	Injection	Active	J-05-25S-37E	Federal	4/18/1939	3675'	
30-025-11510	CART HILL ENERGY, LLC	LANGLIE JAL UNIT #075	Injection	Active	O-05-25S-37E	Federal	10/7/1938	3667'	
30-025-29076	FAE II Operating LLC	WELLS FEDERAL #018	Gas	Active	P-05-25S-37E	Federal	2/18/1985	3350'	
30-025-24881	BXP Operating, LLC	LANGLIE JAL UNIT #076	Oil	P&A-R	A-08-25S-37E	Federal	11/2/1974	3862'	9/9/2018 <i>P&A diagram attached.</i>
30-025-24880	PHOENIX HYDROCARBONS OPERATING CORP	LANGLIE JAL UNIT #062	Oil	P&A-R	A-08-25S-37E	Federal	10/21/1974	3852'	11/19/2002 <i>P&A diagram attached.</i>
30-025-25615	FAE II Operating LLC	STUART 9 #001	Oil	Active	B-08-25S-37E	Federal	12/31/9999	3739'	
30-025-25621	PENROC OIL CORP	LANGLIE #001	Oil	P&A-R	G-08-25S-37E	Private	12/31/9999	3763'	8/12/2003
30-025-25385	CIMAREX ENERGY CO. OF COLORADO	WELLS #013	Oil	P&A-R	H-08-25S-37E	Private	1/21/1977	3740'	7/10/2013
30-025-25240	CIMAREX ENERGY CO. OF COLORADO	WELLS #012	Oil	P&A-R	C-09-25S-37E	Private	3/10/1976	3800'	7/6/2013 <i>P&A diagram attached.</i>
30-025-11441	BURLINGTON RESOURCES OIL & GAS CO	WELLS FEDERAL #003	Gas	P&A-R	D-09-25S-37E	Federal	2/28/1957	3164'	4/23/1992
30-025-11449	BURLINGTON RESOURCES OIL & GAS CO	WELLS FEDERAL #011	Gas	P&A-R	E-09-25S-37E	Federal	1/1/1900	3476'	1/1/1900
30-025-29264	FAE II Operating LLC	WELLS FEDERAL #019	Gas	Active	F-09-25S-37E	Federal	5/15/1985	3550'	

SUMMARY: 5 wells penetrate the proposed disposal interval, 4 P&A'd.



C-108 ITEM VI

AOR Well Information

Plugged Well Schematics

There are 4 P&A'd Wells Within the AOR Which Penetrate the Proposed Injection Zone.

30-025-24879

30-025-24881

30-025-24880

30-025-25240

Well Diagrams and Sundries (as applicable) follow this page...

Operator Name: Penrock Oil

Well Name: Langlie Jal unit 76

API#: 30-025-24881

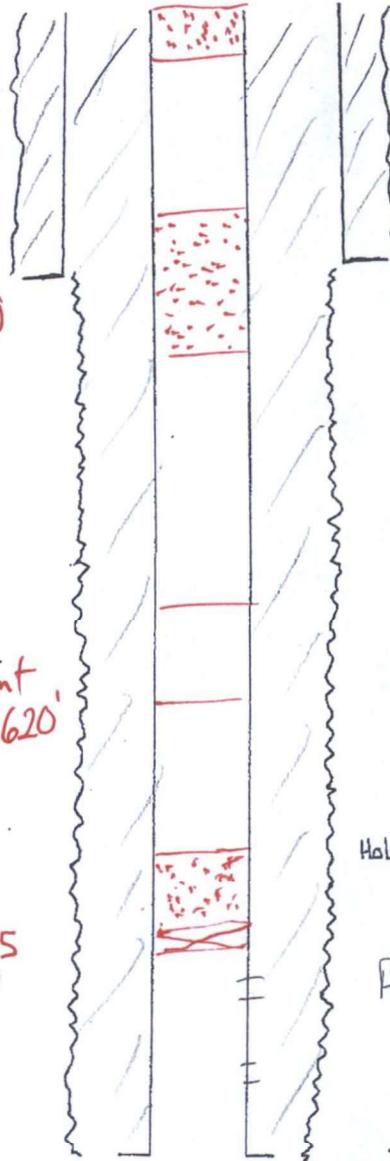
R-III A
Cave Potential
LPC Habitat

Spot 15sx cmt from
200' to Surf

Spot 40 sx cmt from
1285' - 755' WOC + Tag

Spot 25 sx cmt
from 2750 - 2620'
WOC + Tag

Set CIP@ 3255
Spot 25sx on top



Hole 1 1/4"
Size

8 5/8"
@ 805
TOC 0

Hole Size "

Perfs: 3354?
3450 - 3648

4 1/2"
@ 3462
TOC 0

Sqzd Perfs - 3450 - 3535'
+ 3630 - 3648

Formation Tops	
R&Lr	1100
Tos	1235
Bos	2700
Vfs	2885
7 Rvt	3127
Qn	3447
GB	3737

TD:

PLUGGED WELL SCHEMATIC

Langlie Jal Unit Well No.62
API 30-025-24880

660' FSL & 660' FWL, SEC. 4-T25S-R37E
LEA COUNTY, NEW MEXICO

Spud Date: 10/22/1974
P&A Date: 11/19/2002

Well Plugged by:
Phoenix Hydrocarbons

<PLUGGING ITEMS LISTED LEFT>

RSTLR: 581'

YTS: 2897'

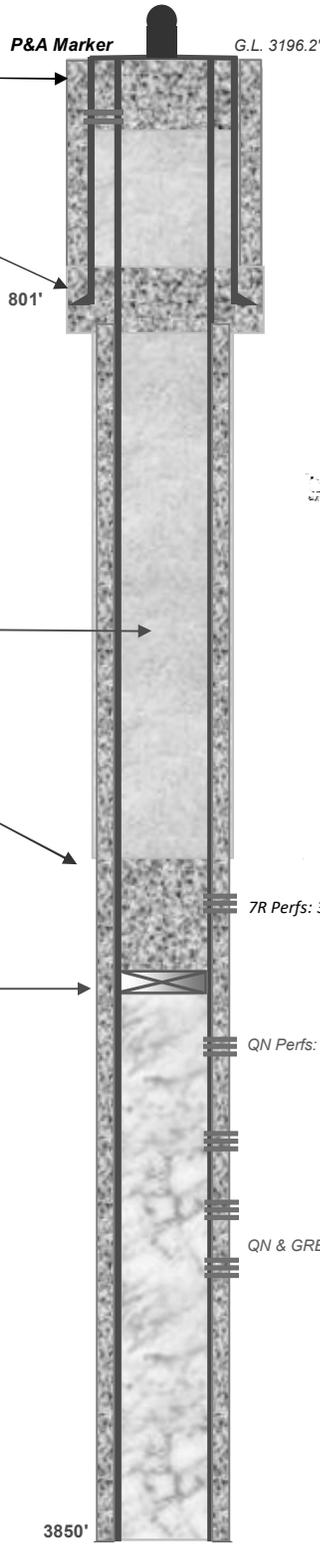
7RVRS: 3144'

QN: 3474'

GRBG: 3710'

SA:4045'

Formation Fluids



<PRE-P&A EXISTING ITEMS LISTED RIGHT>

Surface Casing

8.625", 24.0# csg. (12.25" Hole) @ 801'
650 sx ("C") - Circ. to Surf.

<P&A SUBSEQUENT SUNDRY>

Form 3160-5 (August 1999)

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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 TRIPLICATE - Other instructions on reverse side

1. Type of Well: Oil Well Gas Well Other

2. Name of Operator: Phoenix Hydrocarbons Operating Corp.

3. Address: P O Box 3538, Midland, TX 79702

4. Location of Well (Foamlog, Sec., T., R., M., or Survey Description): 660' FSL & 660' FWL Sec. 4, T25S R37E UL M

5. Lease Serial No.: NH-0283328

6. If Lease, Address or Tribe Name

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

8. Well Name and No.: Langlie Jal Unit 62

9. API Well No.: 30-025-24880

10. Field and Pool or Exploratory Area: Langlie Matlix (SRQGB)

11. County or Parish, State: Lea, New Mexico

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 Intest	<input type="checkbox"/> Acidize
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing
<input checked="" type="checkbox"/> Final Abandonment Notice	<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 checked="" type="checkbox"/> Plug and Abandon
	<input type="checkbox"/> Plug Back
	<input type="checkbox"/> Production (Start/Resume)
	<input type="checkbox"/> Recomplete
	<input type="checkbox"/> Temporarily Abandon
	<input type="checkbox"/> Well Shut-Off
	<input type="checkbox"/> Well Integrity
	<input type="checkbox"/> Other

13. Describe Proposed or Completed Operations (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 recomplete horizontally, give identifying locations and measured and true vertical depths of all pertinent markers and points. 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 (i.e. level of operations. If the operation results in a multiple completion or recompletion of a new interval, a Form 3160-5 shall be filed once logging 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.)

11-18-02 Notify BLM; MRRU; Dig & Line working pit; NU BOP; R/H & set CIBP @ 3282'; Circ 10# mud; spot 15 sx @ 3282' - 3061'; POOH/R/H & Perf. @ 830'; test to 1100'; call Gary Goutry with BLM; OK to spot plug; R/H & spot 20 sx @ 886' - 592'; POOH.

11-19-02 R/H & tag @ 581'; POOH; R/H & perforate @ 100'; squeeze & circ 35 sx to surface, leaving casing full; RD cut off well head & anchors; install dry hole marker; level pit & cellar - move out.

FINAL REPORT

APPROVED
DEC - 6 2002
GARY GOURTRY
PERMISSION NUMBER

14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed): Phyllis R. Ginter Title: Agent

Signature: *Phyllis R. Ginter* Date: 12-04-02

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by: _____ Title: _____ Date: _____
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.

File 48 U.S.C. Section 1401 and Title 43 U.S.C. Section 1712, 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 engage in any such conduct.

Production (Int.) Casing

4.5", 14.0# Csg. (7.875" Hole) @ 3850' w/ 1350 sx
Calc'd to circ - N/R

Drawn by: Ben Stone, 6/14/2024





Cimarex Energy Co. of Colorado

Wells #12

2130' FSL & 1830' FWL

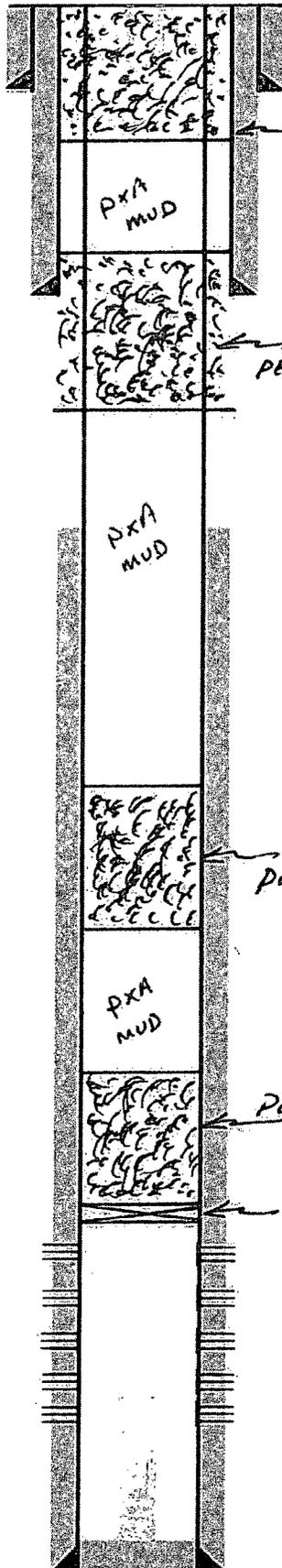
Sec 4 T25S R37E, Lea Co., NM

13 3/8" Conductor @ 40' cmt w/Redi-mix

12 1/4" hole

8 5/8" 24# @ 1120' w/700 sx, circ to surf

7 7/8" hole



PERF. X SQZ. 75 SXS. CMT. 1255'-1064'-TAG

Rustler	1114
Salt	1205 - 2660
Tensif	2660
Yates	2821
7R	3124
Qu	3496
GB	3696

Pump 35 SXS. CMT. @ 2870' - 2600' - TAG

Pump 25 SXS. CMT. @ 3350' - 3220'.

CIRP @ 3350'

Queen Perfs: 3427'-3598' OAL
 Acdz w/3000 gal 15% Acid
 Frac'd w/30,000 gal wtr + 40,000# sand

NOTE: Lost returns while drlg @ 3768'

PBTD: 3752'
 TD: 3800'

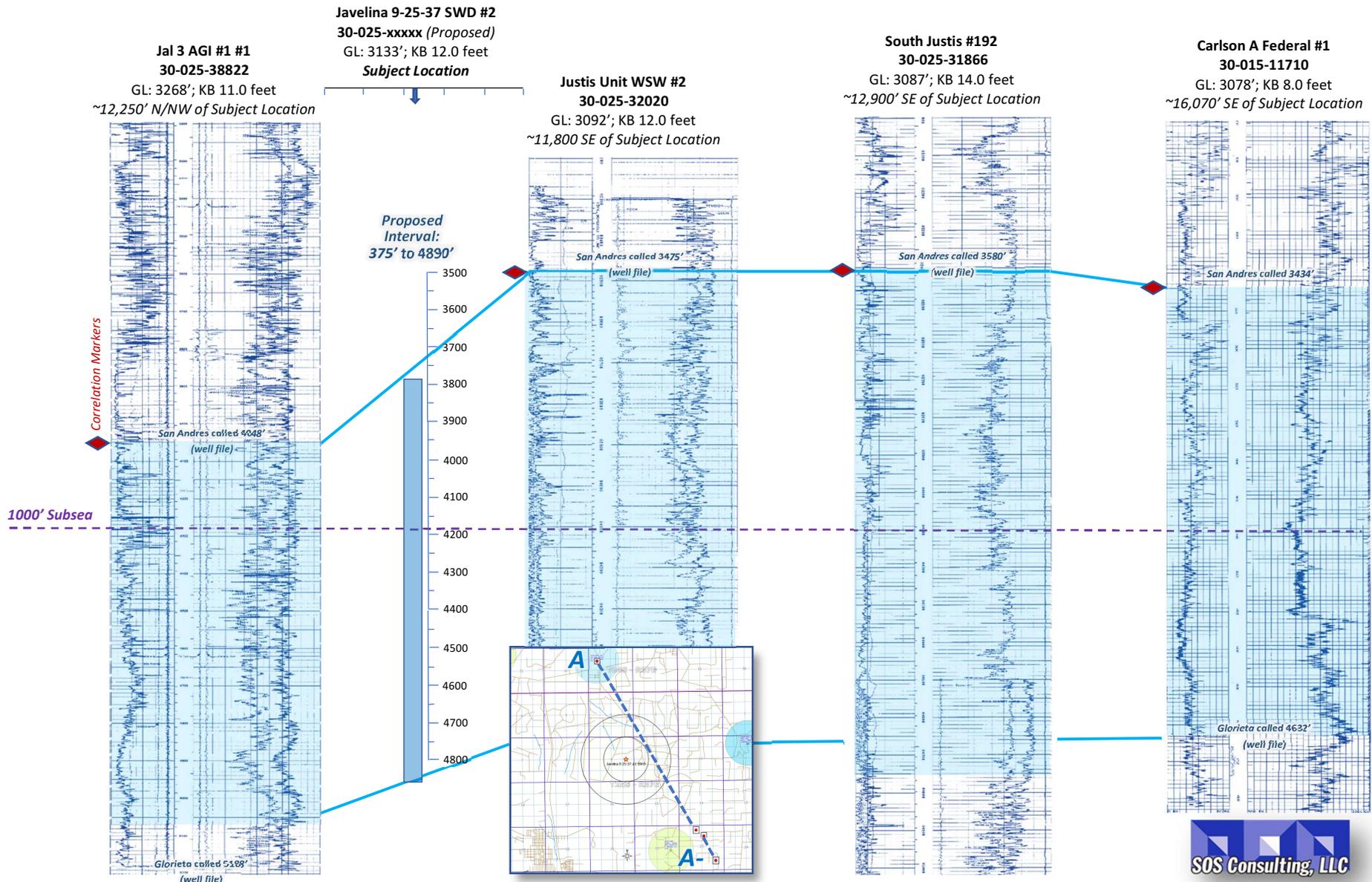
5 1/2" 14# LTC KSS @ 3800' w/400 sx,
 TOC 2690' (TS)

DJE 04/18/13

BC&D Operating, Inc. – Javelina 9-25-37 SWD #2

Log Cross-Section for San Andres Target Interval

Logs from 4 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 4890 feet which will be verified upon analyses of new logs including mudlogs.



C-108 ITEM VII – PROPOSED OPERATION

The Javelina 9-25-37 SWD #2 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

API No	3002506278	Lab ID	
Well Name	A B REEVES 002	Sample ID	4425
		Sample No	
Location	ULSTR 29 20 S 37 E 1980 N 660 W	Lat / Long	32.54547 -103.27965
		County	Lea
Operator (when sampled)			
	Field EUMONT	Unit	E
Sample Date		Analysis Date	
	Sample Sourc UNKNOWN	Depth (if known)	
	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_l	
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	
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

API No	3002506435	Lab ID	
Well Name	HAWK B 1	Sample ID	3029
	012	Sample No	
Location	ULSTR 08 21 S 37 E	Lat / Long	32.48788 -103.18260
	660 S 1980 E	County	Lea
Operator (when sampled)	APACHE CORPORATION		
	Field	PENROSE SKELLY	Unit O
Sample Date	5/18/1999	Analysis Date	6/8/1999
	Sample Sourc		Depth (if known)
	Water Typ		
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_l	
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

API No	3002504266	Lab ID	
Well Name	EUNICE MONUMENT SOUTH U 890	Sample ID	3508
		Sample No	
Location	ULSTR 14 20 S 36 E 660 S 660 E	Lat / Long	32.56718 -103.31810
		County	Lea
Operator (when sampled)	CHEVRON USA INC.		
	Field EUNICE MONUMENT	Unit	P
Sample Date	1/12/2000	Analysis Date	1/14/2000
	Sample Sourc	Depth (if known)	
	Water Typ		
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_l	
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

API No	3002510462	Lab ID	
Well Name	ALLIE M LEE	Sample ID	4013
	001	Sample No	
Location	ULSTR 26 22 S 37 E	Lat / Long	32.36184 -103.12585
	2310 S 330 E	County	Lea
Operator (when sampled)		Unit I	
	Field BLINEBRY		
Sample Date		Analysis Date	
	Sample Sourc DST	Depth (if known)	
	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_l	
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	
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

BONE SPRING

API No	3002527250	Lab ID	
Well Name	BERRY APN STATE 001	Sample ID	5840
		Sample No	
Location	ULSTR 05 21 S 34 E 1980 S 660 W	Lat / Long	32.50569 -103.49786
		County	Lea
Operator (when sampled)	YATES PETROLEUM CORPORATION		
	Field	BERRY NORTH	Unit L
Sample Date	11/18/1999	Analysis Date	12/1/1999
	Sample Sourc	Depth (if known)	
	Water Typ		
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_l	
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	
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

DELAWARE

API No	3002508489	Lab ID	
Well Name	BELL LAKE UNIT	Sample ID	4296
	002	Sample No	
Location	ULSTR 30 23 S 34 E	Lat / Long	32.27001 -103.51086
	660 S 3300 E	County	Lea
Operator (when sampled)			
	Field SWD	Unit	N
Sample Date		Analysis Date	
	Sample Sourc UNKNOWN	Depth (if known)	
	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_l	
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	
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**

DISPOSAL ZONE

SAN ANDRES

API No	3002523756	Lab ID	
Well Name	LOU WORTHAM 006	Sample ID	3027
		Sample No	
Location	ULSTR 11 22 S 37 E 2310 N 380 W	Lat / Long	32.40711 -103.14079
		County	Lea
Operator (when sampled)	ANADARKO PETROLEUM CORP.		
	Field	EUNICE SOUTH	Unit E
Sample Date	2/19/1998	Analysis Date	3/2/1998
	Sample Sourc	Depth (if known)	
	Water Typ		
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_l	
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	
Remarks			

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



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 4980 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.

C-108 ITEM XII – GEOLOGIC AFFIRMATION

We have examined available geologic and engineering data and have found no evidence of open faults or other hydrologic connection between the disposal interval and any underground sources of drinking water.



Ben Stone, Partner
SOS Consulting, LLC

Project: BC&D Operating, Inc.
Javelina 9-25-37 #1 & #2
Reviewed 12/04/2023



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

September 14, 2023

DONNIE HILL JR.
BC & D OPERATING
P. O. BOX 302
HOBBS, NM 88241

RE: JAVELINA SWD #1

Enclosed are the results of analyses for samples received by the laboratory on 09/05/23 12:03.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2 Total Haloacetic Acids (HAA-5)
Method EPA 524.2 Total Trihalomethanes (TTHM)
Method EPA 524.4 Regulated VOCs (V1, V2, V3)

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2 Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2 Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene
Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

BC & D OPERATING P. O. BOX 302 HOBBS NM, 88241	Project: JAVELINA SWD #1 Project Number: JAVELINA 9-25-37 #1 SWD Project Manager: DONNIE HILL JR. Fax To: (575) 942-2005	Reported: 14-Sep-23 08:37
--	---	------------------------------

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
WWCP 35000 35	H234781-01	Water	05-Sep-23 11:00	05-Sep-23 12:03

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

BC & D OPERATING P. O. BOX 302 HOBBS NM, 88241	Project: JAVELINA SWD #1 Project Number: JAVELINA 9-25-37 #1 SWD Project Manager: DONNIE HILL JR. Fax To: (575) 942-2005	Reported: 14-Sep-23 08:37
--	---	------------------------------

**WWCP 35000 35
H234781-01 (Water)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories

Inorganic Compounds

Alkalinity, Bicarbonate	220		5.00	mg/L	1	3080401	AC	05-Sep-23	310.1	
Alkalinity, Carbonate	<1.00		1.00	mg/L	1	3080401	AC	05-Sep-23	310.1	
Chloride*	248		4.00	mg/L	1	3082138	AC	05-Sep-23	4500-Cl-B	
Conductivity*	1570		1.00	umhos/cm @ 25°C	1	3090512	AC	05-Sep-23	120.1	
pH*	7.76		0.100	pH Units	1	3090512	AC	05-Sep-23	150.1	
Temperature °C	19.1			pH Units	1	3090512	AC	05-Sep-23	150.1	
Sulfate*	276		50.0	mg/L	5	3090702	AC	07-Sep-23	375.4	QM-07
TDS*	971		5.00	mg/L	1	3082401	AC	07-Sep-23	160.1	
Alkalinity, Total*	180		4.00	mg/L	1	3080401	AC	05-Sep-23	310.1	

Green Analytical Laboratories

Total Recoverable Metals by ICP (E200.7)

Calcium*	86.5		2.00	mg/L	10	B232702	AES	12-Sep-23	EPA200.7	
Magnesium*	50.5		1.00	mg/L	10	B232702	AES	12-Sep-23	EPA200.7	
Potassium*	<10.0		10.0	mg/L	10	B232702	AES	12-Sep-23	EPA200.7	
Sodium*	121		10.0	mg/L	10	B232702	AES	12-Sep-23	EPA200.7	

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

BC & D OPERATING P. O. BOX 302 HOBBS NM, 88241	Project: JAVELINA SWD #1 Project Number: JAVELINA 9-25-37 #1 SWD Project Manager: DONNIE HILL JR. Fax To: (575) 942-2005	Reported: 14-Sep-23 08:37
--	---	------------------------------

Inorganic Compounds - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 3080401 - General Prep - Wet Chem

Blank (3080401-BLK1) Prepared & Analyzed: 04-Aug-23

Alkalinity, Carbonate	ND	1.00	mg/L							
Alkalinity, Bicarbonate	5.00	5.00	mg/L							
Alkalinity, Total	4.00	4.00	mg/L							

LCS (3080401-BS1) Prepared & Analyzed: 04-Aug-23

Alkalinity, Carbonate	ND	2.50	mg/L				80-120			
Alkalinity, Bicarbonate	330	12.5	mg/L				80-120			
Alkalinity, Total	270	10.0	mg/L	250		108	80-120			

LCS Dup (3080401-BSD1) Prepared & Analyzed: 04-Aug-23

Alkalinity, Carbonate	ND	2.50	mg/L				80-120		20	
Alkalinity, Bicarbonate	330	12.5	mg/L				80-120	0.00	20	
Alkalinity, Total	270	10.0	mg/L	250		108	80-120	0.00	20	

Batch 3082138 - General Prep - Wet Chem

Blank (3082138-BLK1) Prepared & Analyzed: 21-Aug-23

Chloride	ND	4.00	mg/L							
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LCS (3082138-BS1) Prepared & Analyzed: 21-Aug-23

Chloride	100	4.00	mg/L	100		100	80-120			
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LCS Dup (3082138-BSD1) Prepared & Analyzed: 21-Aug-23

Chloride	104	4.00	mg/L	100		104	80-120	3.92	20	
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Batch 3082401 - Filtration

Blank (3082401-BLK1) Prepared: 24-Aug-23 Analyzed: 25-Aug-23

TDS	ND	5.00	mg/L							
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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

BC & D OPERATING P. O. BOX 302 HOBBS NM, 88241	Project: JAVELINA SWD #1 Project Number: JAVELINA 9-25-37 #1 SWD Project Manager: DONNIE HILL JR. Fax To: (575) 942-2005	Reported: 14-Sep-23 08:37
--	---	------------------------------

Inorganic Compounds - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 3082401 - Filtration

LCS (3082401-BS1) Prepared: 24-Aug-23 Analyzed: 25-Aug-23

TDS	543		mg/L	500		109	80-120			
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Duplicate (3082401-DUP1) Source: H234523-01 Prepared: 24-Aug-23 Analyzed: 25-Aug-23

TDS	875	5.00	mg/L		889			1.59	20	
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Batch 3090512 - General Prep - Wet Chem

LCS (3090512-BS1) Prepared & Analyzed: 05-Sep-23

pH	7.17		pH Units	7.00		102	90-110			
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Conductivity	493		uS/cm	500		98.6	80-120			
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Duplicate (3090512-DUP1) Source: H234781-01 Prepared & Analyzed: 05-Sep-23

pH	7.79	0.100	pH Units		7.76			0.386	20	
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Conductivity	1570	1.00	umhos/cm @ 25°C		1570			0.446	20	
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Temperature °C	19.0		pH Units		19.1			0.525	200	
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Batch 3090702 - General Prep - Wet Chem

Blank (3090702-BLK1) Prepared & Analyzed: 07-Sep-23

Sulfate	ND	10.0	mg/L							
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LCS (3090702-BS1) Prepared & Analyzed: 07-Sep-23

Sulfate	17.3	10.0	mg/L	20.0		86.5	80-120			
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LCS Dup (3090702-BSD1) Prepared & Analyzed: 07-Sep-23

Sulfate	18.5	10.0	mg/L	20.0		92.3	80-120	6.49	20	
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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

BC & D OPERATING P. O. BOX 302 HOBBS NM, 88241	Project: JAVELINA SWD #1 Project Number: JAVELINA 9-25-37 #1 SWD Project Manager: DONNIE HILL JR. Fax To: (575) 942-2005	Reported: 14-Sep-23 08:37
--	---	------------------------------

Total Recoverable Metals by ICP (E200.7) - Quality Control

Green Analytical Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B232702 - Total Recoverable by ICP

Blank (B232702-BLK1)

Prepared: 11-Sep-23 Analyzed: 12-Sep-23

Magnesium	ND	0.100	mg/L							
Calcium	ND	0.200	mg/L							
Sodium	ND	1.00	mg/L							
Potassium	ND	1.00	mg/L							

LCS (B232702-BS1)

Prepared: 11-Sep-23 Analyzed: 12-Sep-23

Sodium	1.63	1.00	mg/L	1.62		101	85-115			
Potassium	3.81	1.00	mg/L	4.00		95.3	85-115			
Magnesium	9.60	0.100	mg/L	10.0		96.0	85-115			
Calcium	1.91	0.200	mg/L	2.00		95.3	85-115			

LCS Dup (B232702-BSD1)

Prepared: 11-Sep-23 Analyzed: 12-Sep-23

Potassium	3.79	1.00	mg/L	4.00		94.8	85-115	0.561	20	
Calcium	1.93	0.200	mg/L	2.00		96.5	85-115	1.27	20	
Sodium	1.63	1.00	mg/L	1.62		100	85-115	0.386	20	
Magnesium	9.75	0.100	mg/L	10.0		97.5	85-115	1.53	20	

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Notes and Definitions

- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND Analyte NOT DETECTED at or above the reporting limit
RPD Relative Percent Difference
** Samples not received at proper temperature of 6°C or below.
*** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene, Lab Director/Quality Manager

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

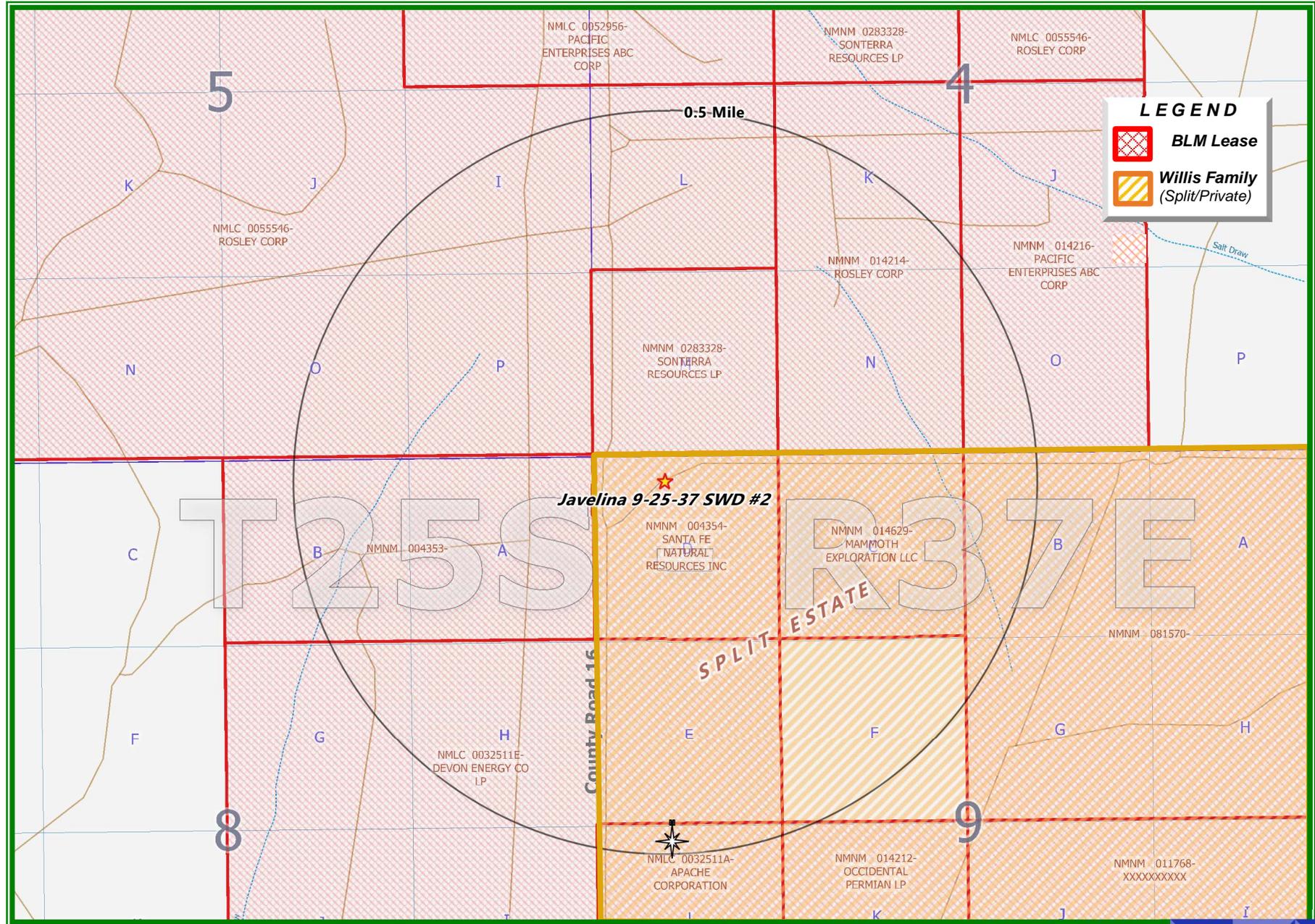
Instructions for PDF Document Access

Proof of Certified Mailing

Affidavit Published Legal Notice

Javelina 9-25-37 SWD #2 – Leasehold/ Affected Parties Plat

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



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	Johnny M. Owen P.O. Box 1013 Jal, NM 88252	7018 2290 0001 2038 8760	<input checked="" type="checkbox"/>

OFFSET MINERALS LESSEES and/ or OPERATORS

2	SONTERRA RESOURCES LP 600 Travis # 6875 Houston, Texas 77002	7018 2290 0001 2038 8777	<input checked="" type="checkbox"/>
3	FAE II OPERATING 11757 Katy Freeway, Suite 725 Houston, TX 77079	7018 2290 0001 2038 8784	<input checked="" type="checkbox"/>
4	ROSLEY CORPORATION 1450 One Dallas Center (350 North Saint Paul Street) Dallas, TX 75201	7018 2290 0001 2038 8791	<input checked="" type="checkbox"/>
5	CART HILL ENERGY, LLC 2724 NW County Road Hobbs, NM 88240	7018 2290 0001 2038 8807	<input checked="" type="checkbox"/>
6	PACIFIC ENTERPRISES ABC CORP 3131 Turtle Creek Blvd., Ste. 1101 Dallas, TX 75219	7018 2290 0001 2038 8814	<input checked="" type="checkbox"/>
7	MAMMOTH EXPLORATION, LLC 200 N. Loraine Street, Ste.1100 Midland, TX 79701	7018 2290 0001 2038 8821	<input checked="" type="checkbox"/>
8	SANTA FE NATURAL RESOURCES, INC. 415 West Wall # 446 Midland, Texas 79701	7018 2290 0001 2038 8838	<input checked="" type="checkbox"/>
9	DEVON ENERGY OPERATING CORP. 20 North Broadway, Ste.1500 Oklahoma City, OK 73102	7018 2290 0001 2038 8845	<input checked="" type="checkbox"/>
10	APACHE CORP. 303 Veterans Airpark Lane, Ste. 3000 Midland, TX 79705-4231	7018 2290 0001 2038 8852	<input checked="" type="checkbox"/>
11	BXP OPERATING, LLC 11757 Katy Fwy, Ste.475 Houston, TX 77079-1761	7018 2290 0001 2038 8869	<input checked="" type="checkbox"/>

**C-108 ITEM XIII – PROOF OF NOTIFICATION
AFFECTED PARTIES LIST (cont.)**

REGULATORY

12

NM OIL CONSERVATION DIVISION
1220 S. St. Francis Dr.
Santa Fe, NM 87505

U.S. DEPARTMENT OF INTERIOR
Bureau of Land Management
Oil & Gas Division
620 E. Greene St.
Carlsbad, NM 88220

*Filed via OCD
Online e-Permitting*

7018 2290 0001 2038 8876





June 27, 2024

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 9-25-37 SWD #2. The SWD operation will be for commercial disposal for area operations. As indicated in the notice below, the well is located in Section 9, Township 25 South, Range 37 East in Lea County, New Mexico.

The published notice states that the interval will be from 3,775 feet to 4,890 feet into the San Andres formation. Following is the notice published in the Hobbs News-Sun, Hobbs, New Mexico on or about June 19, 2024.

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 9-25-37 SWD #2 (API No.30-025-TBD). The well will be located 205 feet from the North line and 515 feet from the West line (Unit I) of Section 9, Township 25 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 4890' 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 2.7 miles northeast 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.

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,

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

Cc: Application File

User Information for the SOS Client & Affected Party Portal

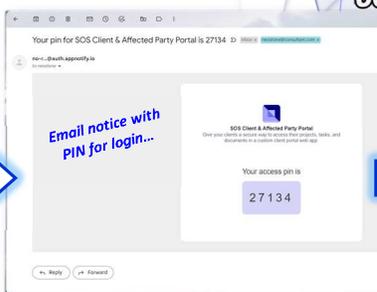
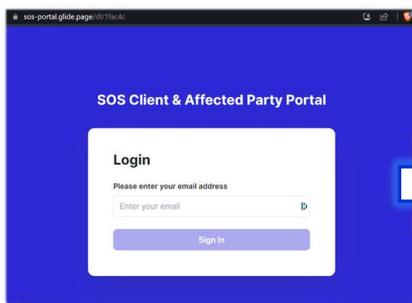
Thank you for using the new SOS Document Portal. This system allows for the **secure delivery of all types of applications and any resulting permits**. The system is built in and stored in the cloud using the best available platforms and code for a secure and robust app. We hope you appreciate our efforts 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

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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.)

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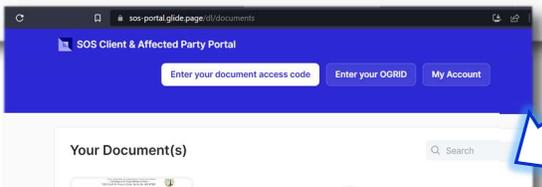
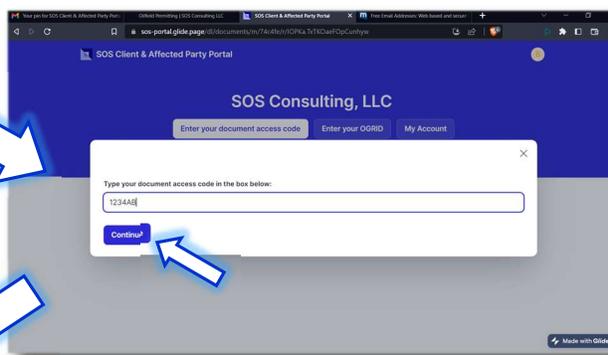
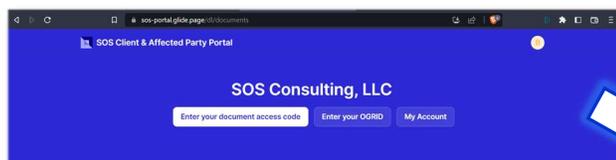


MOBILE ACCESS

3

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4

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C-108 - Item XIV

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C-108 - Item XIV

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<input type="checkbox"/> Adult Signature Required	\$0.00		
<input type="checkbox"/> Adult Signature Restricted Delivery	\$0.00		
Postage	\$0.68		
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Extra Services & Fees (check box, add fees as appropriate)	\$3.65	
<input type="checkbox"/> Return Receipt (hardcopy)	\$0.00	Postmark Here
<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	\$0.68	06/28/2024
Total Postage and Fees	\$8.73	

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PS Form 38

DEVON ENERGY OPERATING CORP.
20 North Broadway, Ste.1500
Oklahoma City, OK 73102

7018 2290 0001 2038 8852

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Midland, TX 79705

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Extra Services & Fees (check box, add fees as appropriate)	\$3.65	
<input type="checkbox"/> Return Receipt (hardcopy)	\$0.00	Postmark Here
<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	\$0.68	06/28/2024
Total Postage and Fees	\$8.73	

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APACHE CORP.
303 Veterans Airpark Lane, Ste. 3000
Midland, TX 79705-4231

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Certified Mail Fee	\$4.40	0360 05
Extra Services & Fees (check box, add fees as appropriate)	\$3.65	
<input type="checkbox"/> Return Receipt (hardcopy)	\$0.00	Postmark Here
<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	\$0.68	06/28/2024
Total Postage and Fees	\$8.73	

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City, State, Zi
PS Form 38

BXP OPERATING, LLC
11757 Katy Fwy, Ste.475
Houston, TX 77079-1761

7018 2290 0001 2038 8876

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Carlsbad, NM 88220

OFFICIAL USE

Certified Mail Fee	\$4.40	0360 05
Extra Services & Fees (check box, add fees as appropriate)	\$3.65	
<input type="checkbox"/> Return Receipt (hardcopy)	\$0.00	Postmark Here
<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	\$0.68	06/28/2024
Total Postage and Fees	\$8.73	

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City, State, Zi
PS Form 38

Bureau of Land Management
Oil & Gas Division
620 E. Greene St.
Carlsbad, NM 88220

Affidavit of Publication

STATE OF NEW MEXICO
COUNTY OF LEA

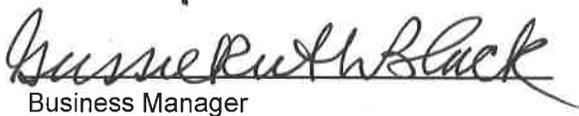
I, Wade Cavitt, Owner of the Hobbs News-Sun, a newspaper published at Hobbs, New Mexico, solemnly swear that the clipping attached hereto was published in the regular and entire issue of said newspaper, and not a supplement thereof for a period of 1 issue(s).

Beginning with the issue dated
June 19, 2024
and ending with the issue dated
June 19, 2024.



Owner

Sworn and subscribed to before me this
19th day of June 2024.


Business Manager

My commission expires
January 29, 2027

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

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

**LEGAL NOTICE
June 19, 2024**

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 9-25-37 SWD #2 (API No.30-025-TBD). The well will be located 205 feet from the North line and 515 feet from the West line (Unit D) of Section 9, Township 25 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 4890' 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 2.7 miles northeast 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.
#00291442

67104420

00291442

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 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 360237

CONDITIONS

Operator: BC & D OPERATING INC. 2702 N. Grimes ST B Hobbs, NM 88240	OGRID: 25670
	Action Number: 360237
	Action Type: [C-108] Fluid Injection Well (C-108)

CONDITIONS

Created By	Condition	Condition Date
mgebremichael	None	7/21/2024