Revised March 23, 2017

RECEIVED:	REVIEWER:	TYPE:	APP NO:

ABOVE THIS TABLE FOR OCD DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION
- Geological & Engineering Bureau –
1220 South St. Francis Drive, Santa Fe, NM 87505

ADMINISTRATIVE APPLICATION CHECKLIST

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

Applicant: BC&D Operating, Inc. **OGRID Number:** 25670
Well Name: Javelina 9-25-37 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

FOR OCD ONLY
☐ Notice Complete
☐ Application Content Complete

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

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

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

Ben Stone
Print or Type Name

Signature

9/25/2023
Date

903-377-5696
Phone Number

ben@sosconsulting.us
e-mail Address

SOS Consulting, LLC
Oil & Gas Accounting - Regulatory Processing Assistance - Oil Field Technical Assistance

September 27, 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 9-25-37 SWD #1, (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 September 19, 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,

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 is 1 well in the subject AOR which Penetrates 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. ***1 P&A well penetrates.***

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 5 water wells within one mile of the proposed SWD well per OSE data. Analysis of 1 is 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 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: ***9/26/2023***

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	[2] Pool Code	[3] Pool Name
30-025-XXXXX	96121	SWD; San Andres

[4] Property Code	[5] Property Name	[6] Well Number
TBD	Javelina 9-25-37 SWD	1

[7] OGRID No.	[8] Operator Name	[9] Elevation
25670	BC&D Operating, Inc.	3132'

[10] Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I	9	25S	37E		2600'	FSL	920'	FEL	Lea

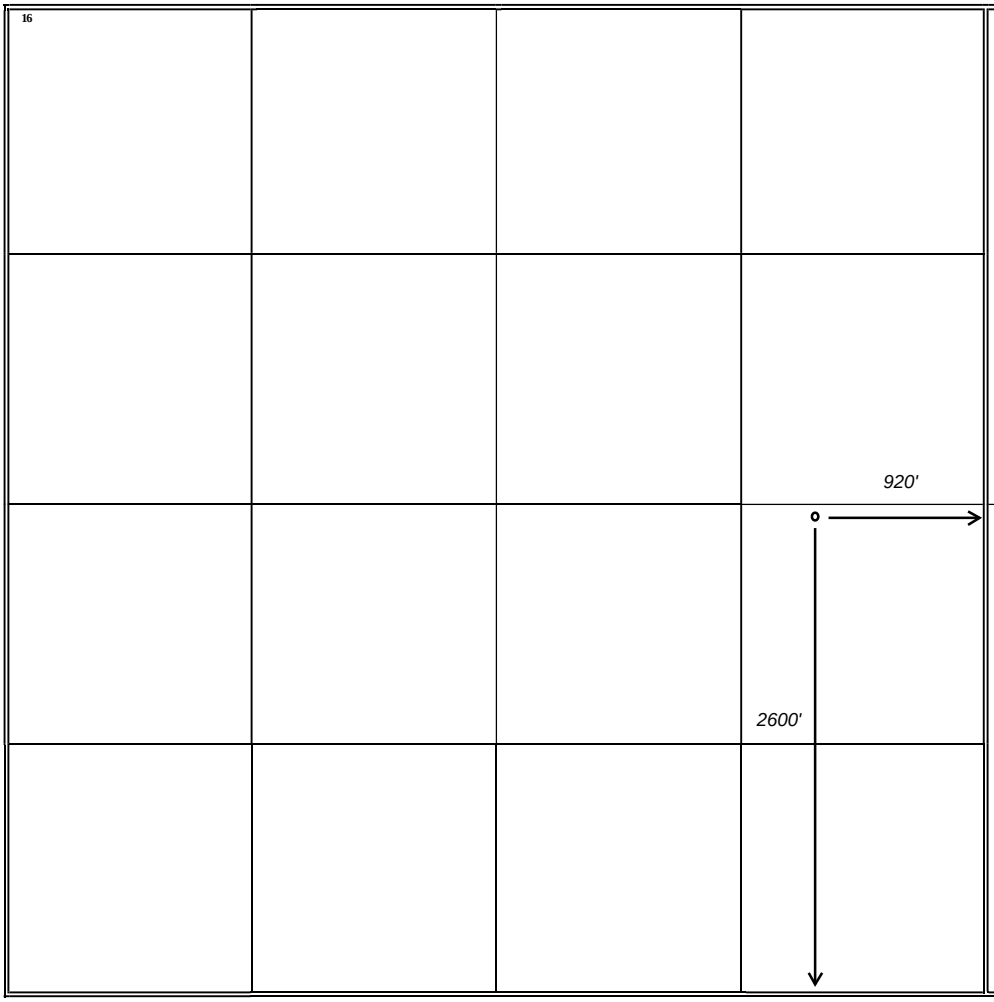
[11] Bottom Hole Location If Different From Surface

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	[13] Joint or Infill	[14] Consolidation Code	[15] Order No.
n/a			

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

[16]



[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.

Signature 9/15/2023 Date

Ben Stone
Printed Name

ben@sosconsulting.us
E-mail Address

[18] SURVEYOR CERTIFICATION

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

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 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.
9 wells penetrate the proposed injection interval; 7 P&A'd.
P&A Well Diagrams

All Above Exhibits follow this page…

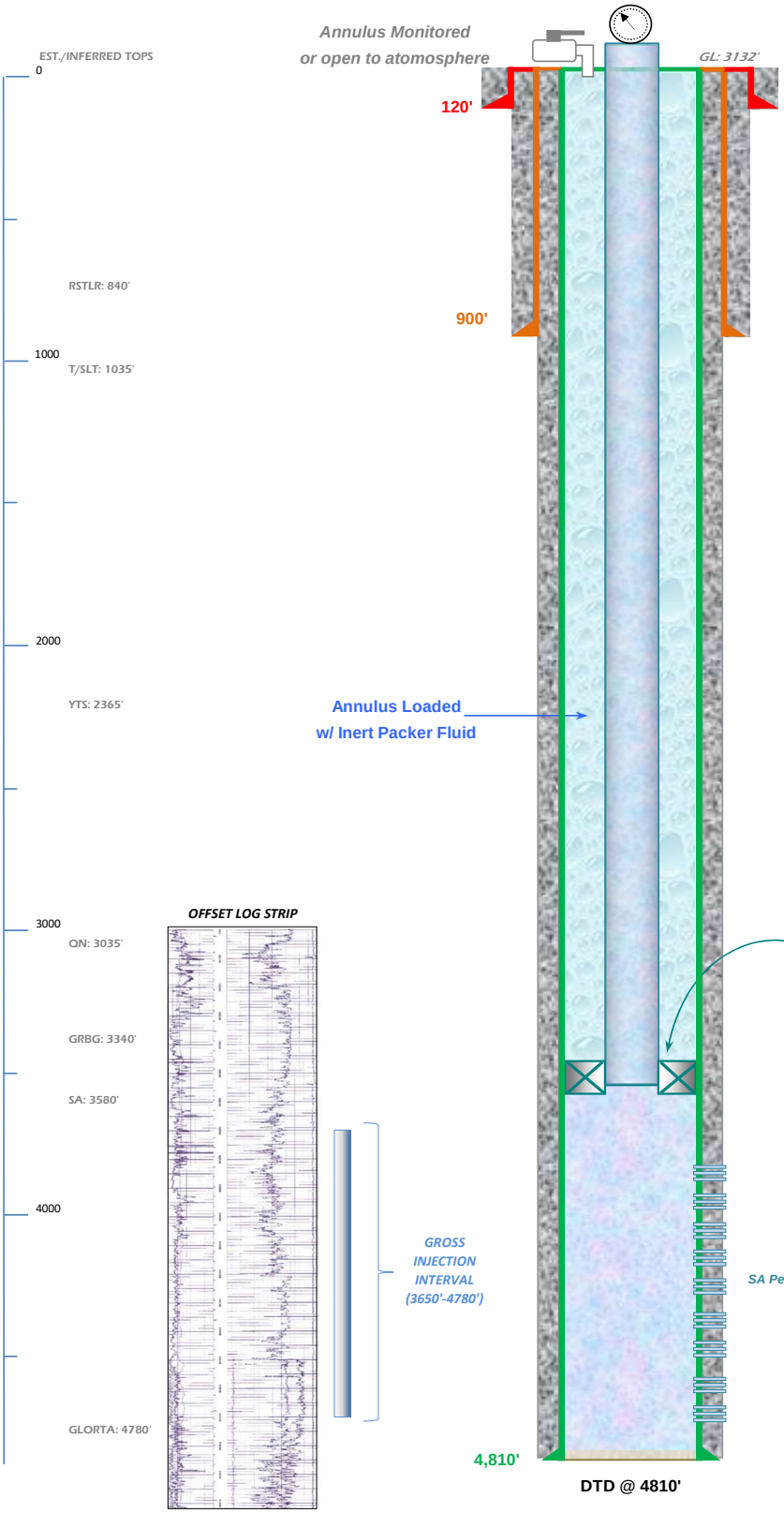
WELL SCHEMATIC - PROPOSED
Javelina 9-25-37 SWD #1

SWD; San Andres (96121)

API 30-025-xxxxx

2600' FSL & 920' FEL, SEC. 9-25S-R37E
LEA COUNTY, NEW MEXICO

Spud Date: ~4/01/2024
Config SWD Dt: ~4/15/2024



Injection Pressure Regulated and Volumes Reported
730 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) @ 900'
1225 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 jspf.
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.

5.5" IC Tubing (or smaller)
PKR ~8720'+
Note: PRK Set 100' Above Final Uppermost Perf Interval.

Production Casing
7.0", 26.0# J-55 Csg. (8.75" Hole) @ 4,810';
700 sx 'C' - Calc'd to Circ.

Drawn by: Ben Stone, 9/20/2023

SOS Consulting, LLC

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.

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

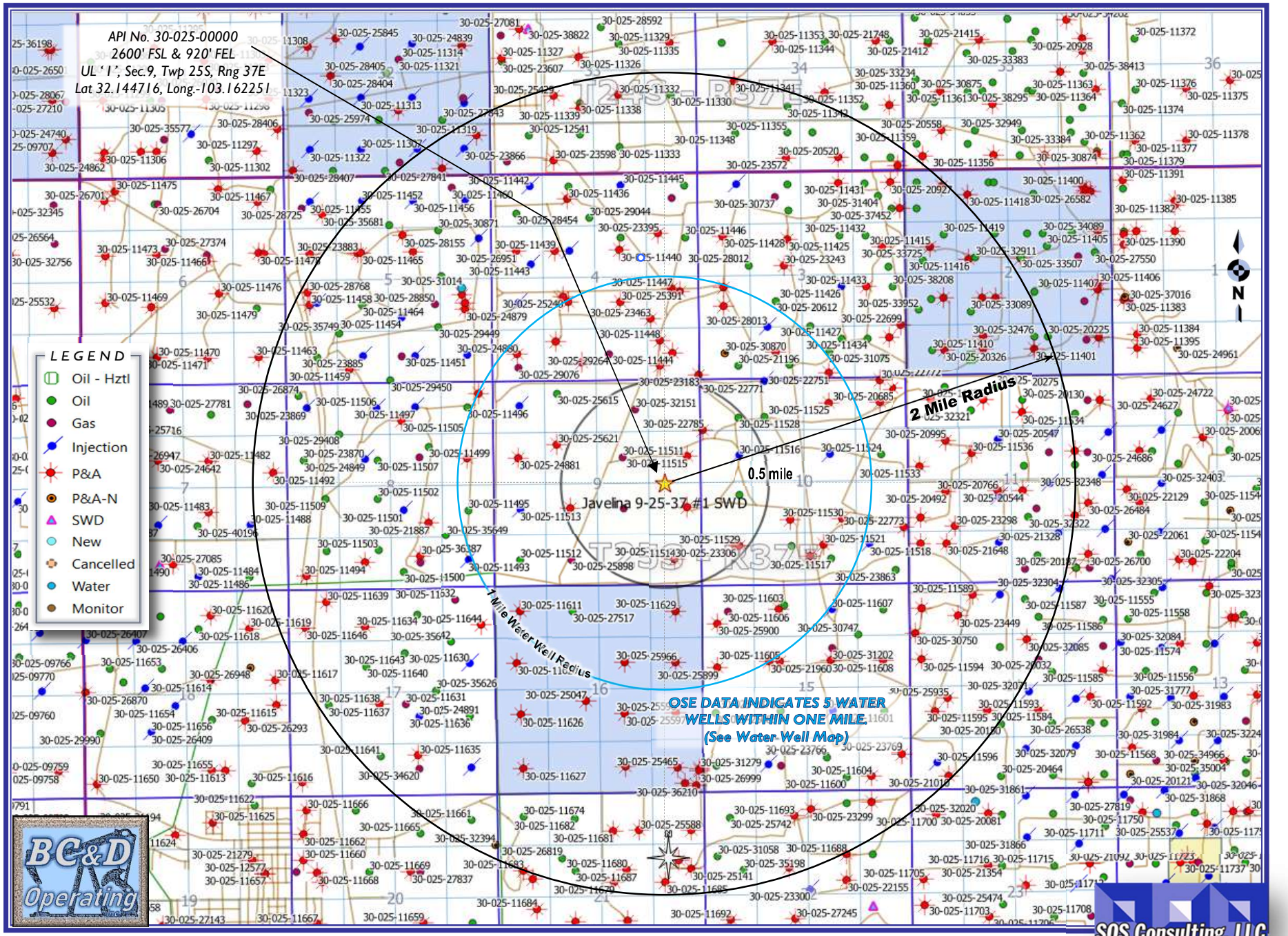
- Elastomer options are available for hostile environments.

For internal use

Link to Endeca assembly part numbers: Arrowset I-XS Mechanical Packer

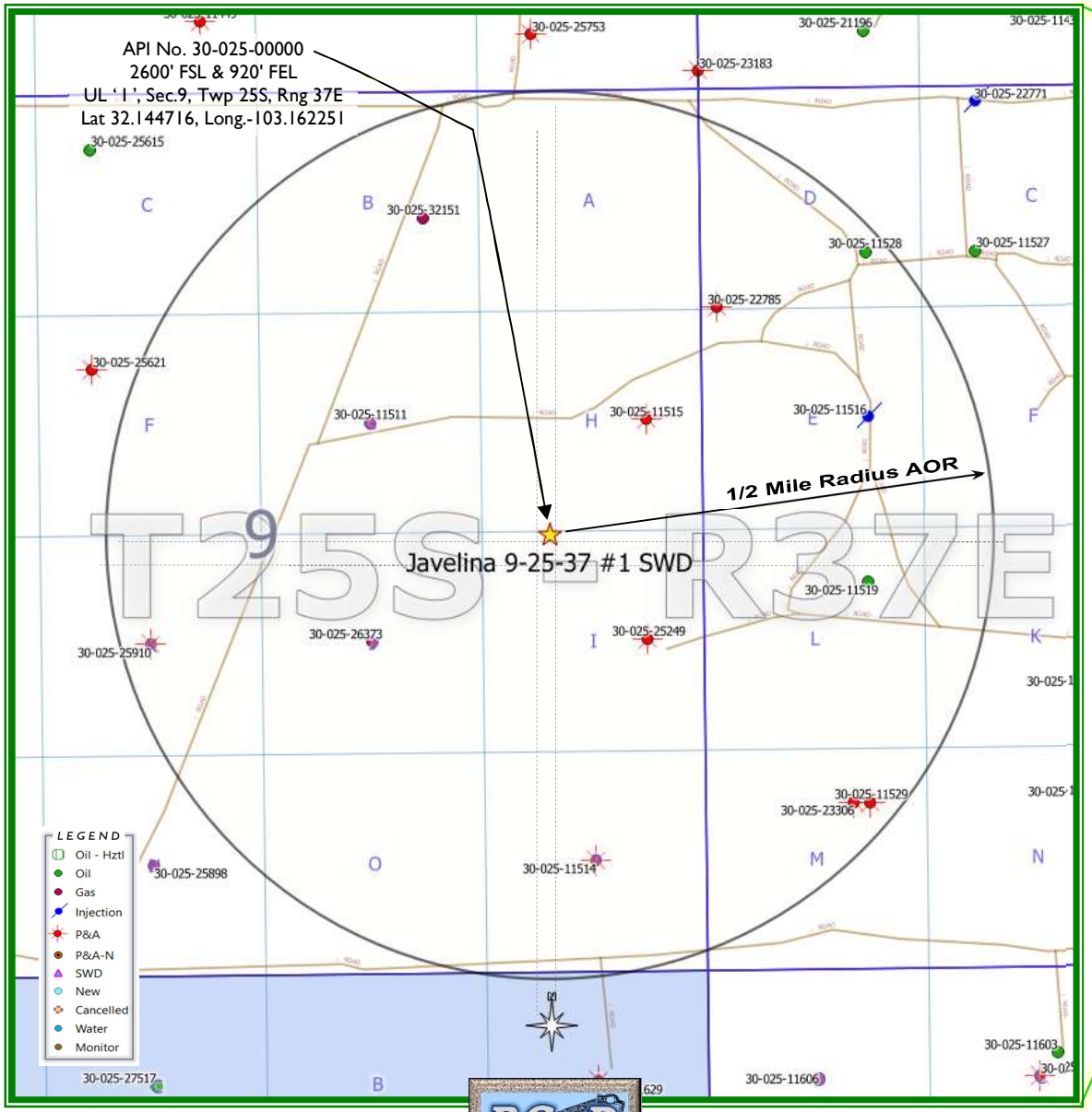
Javelina 9-25-37 #1 SWD - Area of Review / 2 Miles

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

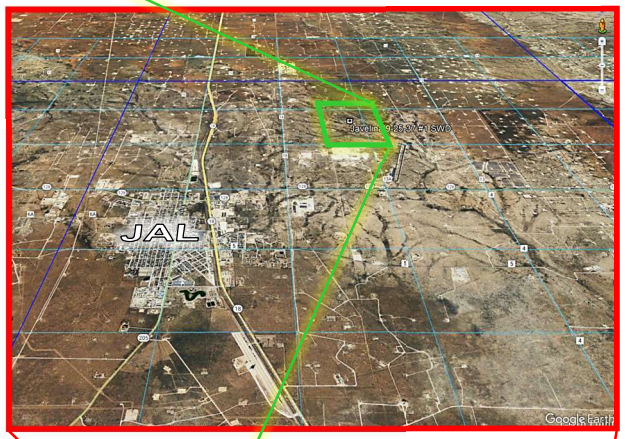


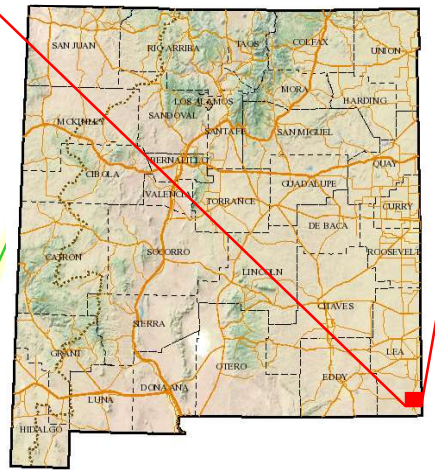
Javelina 9-25-37 #1 SWD - Area of Review / Overview Map

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



~2.9 miles Northwest of Jal, NM

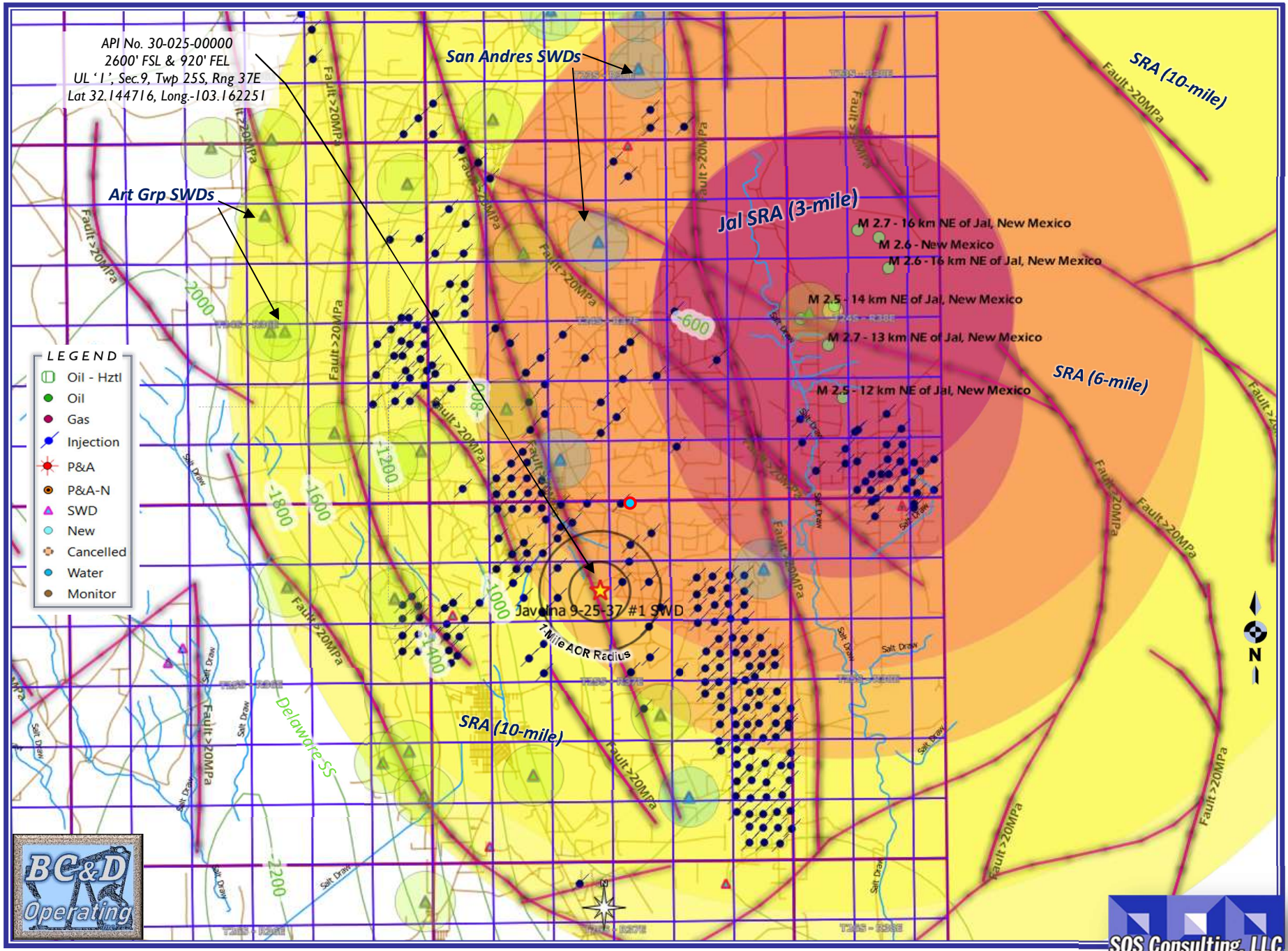




Lea County, New Mexico

Javelina 9-25-37 #1 SWD – Regional Map Features

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



Form C-108 Item VI - Tabulation of AOR Wells

	Top of Proposed SAN ANDRES Interval 3650'				*1 Well (one) Penetrates Proposed Interval.*				
API	Current Operator	Well Name	Type	Status	ULSTR	Lease	Depth (V)	Spud Dt.	Plug Dt.
Subject Well									
30-025-xxxxx	BC&D Operating, Inc.	Javelinla 9-25-37 SWD #1	SWD	New	I-9-25S-37E	Private	4810'	~4/01/2024	
30-025-23306	LINN OPERATING, LLC.	LANGLIE MATTIX QUEEN UNIT #003	Injection	P&A-R	M-10-25S-37E	Private	3650'	12/31/9999	12/5/2014
									P&A diagram attached.
30-025-11529	PRE-ONGARD WELL OPERATOR	PRE-ONGARD WELL #001	Gas	P&A-R	M-10-25S-37E	No Data	0'	1/1/1900	1/1/1900
30-025-11519	Sabinal Energy Operating, LLC	STUART LANGLIE MATTIX UNIT #124	Oil	Active	L-10-25S-37E	Private	3455'	1/8/1938	
30-025-11528	Sabinal Energy Operating, LLC	STUART LANGLIE MATTIX UNIT #114	Oil	Active	D-10-25S-37E	Federal	3440'	5/15/1939	
30-025-11516	Sabinal Energy Operating, LLC	STUART LANGLIE MATTIX UNIT #115	Injection	Active	E-10-25S-37E	Federal	3633'	6/22/1938	
30-025-25910	PRE-ONGARD WELL OPERATOR	PRE-ONGARD WELL #002	Oil	P&A-R	K-09-25S-37E	Federal	0'	1/1/1900	1/1/1900
30-025-11511	FULFER OIL & CATTLE LLC	PRICHARD A #001	Gas	Active	G-09-25S-37E	Federal	3169'	2/15/1957	
30-025-26373	FULFER OIL & CATTLE LLC	EL PASO PRITCHARD FEDERAL #001	Gas	Active	J-09-25S-37E	Federal	3280'	12/31/9999	
30-025-32151	MAMMOTH EXPLORATION, LLC	PRICHARD B #001	Gas	P&A-R	B-09-25S-37E	Federal	3169'	9/24/1993	5/4/2023
30-025-11514	PRE-ONGARD WELL OPERATOR	PRE-ONGARD WELL #005	Oil	P&A-R	P-09-25S-37E	No Data	0'	1/1/1900	1/1/1900
30-025-11515	PRE-ONGARD WELL OPERATOR	PRE-ONGARD WELL #002	Oil	P&A-R	H-09-25S-37E	No Data	0'	1/1/1900	1/1/1900
30-025-25249	PRE-ONGARD WELL OPERATOR	PRE-ONGARD WELL #001	Oil	P&A-R	I-09-25S-37E	Federal	0'	1/1/1900	1/1/1900
30-025-22785	PRE-ONGARD WELL OPERATOR	PRE-ONGARD WELL #127	Injection	P&A-R	D-10-25S-37E	Federal	3550'	10/31/1968	12/5/1978

SUMMARY: 1 well penetrates the proposed disposal interval, it is P&A'd.

SOS Consulting, LLC

C-108 ITEM VI

AOR Well Information

Plugged Well Schematics

There is 1 P&A'd Well Within the AOR Which

Penetrates the Proposed Injection Zone.

30-025-23306

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

LINN Energy

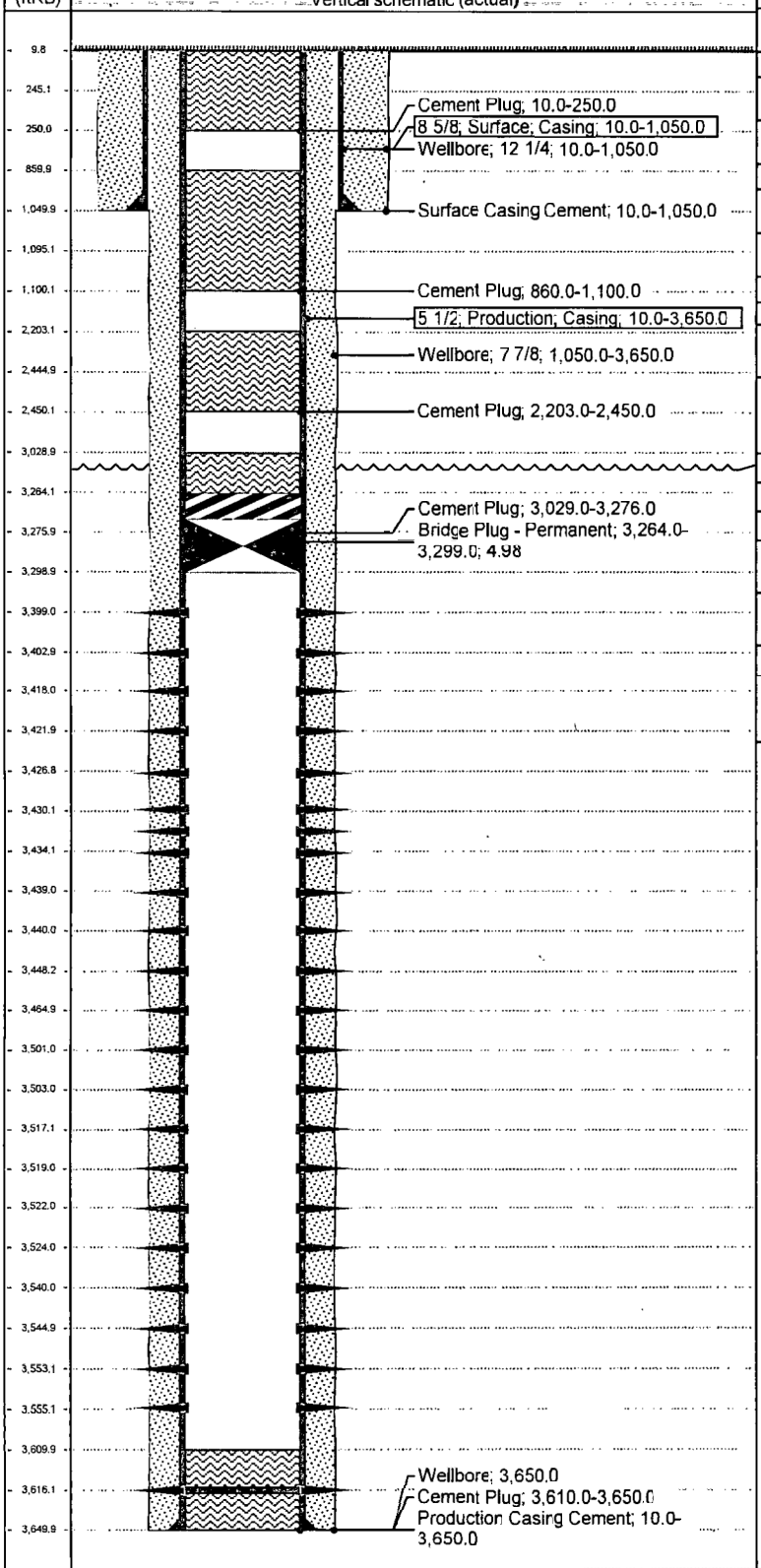
NM P&A Schematic

Well Name: LANGLIE MATTIX QUEEN UNIT 3

API/UWI	Field Name	County	State/Prov	Section	Township	Range	Survey	Block
3002523306	PBNM - HUMPHREY-LANGLIE-LEO...	Lea	NM	10	025-S	037-E		

Ground Elevation (ft)	Org KB Elev (ft)	KB-Grd (ft)	Initial Spud Date	Rig Release Date	TD Date	Latitude (°)	Longitude (°)	Operated?
3,111.00	3,121.00	10.00	10/1/1969		10/8/1969	32° 8' 24.504" N	103° 9' 21.132" W	Yes

Original Hole, 12/9/2014 9:16:12 AM



Original Hole Data

Location & Lat/Long

NS Dist (ft)	NS Flag	EW Dist (ft)	EW Flag	Latitude (°)	Longitude (°)

Wellbore Sections

Start Date	Section Description	Size (in)	Act Btm (ft...
10/1/1969	Surface	12 1/4	1,050.0
10/8/1969	Production	7 7/8	3,650.0

Casing Strings

Run Date	Casing Description	Set Depth (ftKB)	OD (in)
10/3/1969	Surface	1,050.0	8 5/8
10/9/1969	Production	3,650.0	5 1/2

Cement Stages

Prop?	Des	Top (ftKB)	Btm (ftKB)	Com
	Surface Casing Cement	10.0	1,050.0	Cmt'd w/700 sx cmt .Circ to surf
	Production Casing Cement	10.0	3,650.0	Cmt'd w/945 sx cmt
	Cement Plug	3,610.0	3,650.0	PBTD @3610'
	Cement Plug	3,029.0	3,276.0	Spot 25 sks class C cmt
	Cement Plug	2,203.0	2,450.0	Spot 25 sks class C cmt
	Cement Plug	860.0	1,100.0	Spot 25 sks class C cmt. TOC tagged
	Cement Plug	10.0	250.0	Spot 30 sks class C cmt to surface

Other In Hole

Prop...	Description	Btm (ftKB)	Comment
	Bridge Plug - Permanent	3,299.0	Cap CIBP@ 3299' w/35' cmt

Submit 1 Copy To Appropriate District Office
District I – (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II – (575) 748-1283
811 S. First St., Artesia, NM 88210
District III – (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV – (505) 476-3460
1220 S St Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

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

Form C-103
Revised July 18, 2013

WELL API NO. 30-025-23306	
5. Indicate Type of Lease STATE ☐ FEE ☒	
6. State Oil & Gas Lease No.	
SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.) 1. Type of Well: Oil Well ☐ Gas Well ☒ Other INJECTION	7. Lease Name or Unit Agreement Name LANGLIE MATTIX QUEEN UNIT
	8. Well Number 003
2. Name of Operator LINN Operating, Inc.	9. OGRID Number 269324
3. Address of Operator 600 Travis Street, Ste. 5100, Houston, TX 7002	10. Pool name or Wildcat LANGLIE MATTIX; 7 RVRS-Q-GRAYBURG
4. Well Location Unit Letter M : 990 feet from the SOUTH line and 890 feet from the WEST line	
Section 10 Township 25S Range 37E NMPM County LEA	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3111' GL	

RECEIVED
DEC 17 2014

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☐	COMMENCE DRILLING OPNS. ☐	P AND A ☒
PULL OR ALTER CASING ☐	MULTIPLE COMPL ☐	CASING/CEMENT JOB ☐	
DOWNHOLE COMMINGLE ☐			
CLOSED-LOOP SYSTEM ☐			
OTHER: ☐		OTHER: ☐	

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

PLEASE SEE THE ATTACHED WELLBORE DIAGRAM ALONG WITH PLUG & ABANDONMENT REPORT

P&A'd 12-5-2014

Spud Date: Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Alex Bolanos TITLE: Reg Compl Spec.2 DATE 12/15/14

Type or print name Alex Bolanos E-mail address: abolanos@linnenergy.com PHONE: 281-840-4352

For State Use Only

APPROVED BY: Mark Whitaker TITLE Compliance Officer DATE 12/18/2014

Conditions of Approval (if any):

DEC 18 2014

JAN 15 2015

Submit One Copy To Appropriate District Office
District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

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

Form C-103
Revised November 3, 2011

WELL API NO. 30-025-23306
5. Indicate Type of Lease STATE ☐ FEE ☒
6. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

7. Lease Name or Unit Agreement Name: Langlie Mattix Queen Unit
1. Type of Well: ☐ Oil Well ☐ Gas Well ☒ Other INJ
8. Well Number # 3
2. Name of Operator: LINN OPERATING
9. OGRID Number: 269324
3. Address of Operator: 600 TRAVIS St. Ste 5100, HOUSTON, TX 77002
10. Pool name or Wildcat: LANGLIE MATTIX 7RV-QU-Grbg
4. Well Location
Unit Letter M : 990 feet from the S line and 890 feet from the W line
Section 10 Township 25S Range 37E NMPM ____ County LEA
11. Elevation (Show whether DR, RKB, RT, GR, etc.)

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
PERFORM REMEDIAL WORK	☐	PLUG AND ABANDON	☐	REMEDIAL WORK	☐	ALTERING CASING	☐
TEMPORARILY ABANDON	☐	CHANGE PLANS	☐	COMMENCE DRILLING OPNS.	☐	P AND A	☐
PULL OR ALTER CASING	☐	MULTIPLE COMPL	☐	CASING/CEMENT JOB	☐		
OTHER:			☐	☒ Location is ready for OCD inspection after P&A			

☒ All pits have been remediated in compliance with OCD rules and the terms of the Operator's pit permit and closure plan.
☒ Rat hole and cellar have been filled and leveled. Cathodic protection holes have been properly abandoned.
☒ A steel marker at least 4" in diameter and at least 4' above ground level has been set in concrete. It shows the

OPERATOR NAME, LEASE NAME, WELL NUMBER, API NUMBER, QUARTER/QUARTER LOCATION OR UNIT LETTER, SECTION, TOWNSHIP, AND RANGE. All INFORMATION HAS BEEN WELDED OR PERMANENTLY STAMPED ON THE MARKER'S SURFACE.

☒ The location has been leveled as nearly as possible to original ground contour and has been cleared of all junk, trash, flow lines and other production equipment.
☒ Anchors, dead men, tie downs and risers have been cut off at least two feet below ground level.
☒ If this is a one-well lease or last remaining well on lease, the battery and pit location(s) have been remediated in compliance with OCD rules and the terms of the Operator's pit permit and closure plan. All flow lines, production equipment and junk have been removed from lease and well location.
☒ All metal bolts and other materials have been removed. Portable bases have been removed. (Poured onsite concrete bases do not have to be removed.)
☒ All other environmental concerns have been addressed as per OCD rules.
☒ Pipelines and flow lines have been abandoned in accordance with 19.15.35.10 NMAC. All fluids have been removed from non-retrieved flow lines and pipelines.
☒ If this is a one-well lease or last remaining well on lease: all electrical service poles and lines have been removed from lease and well location, except for utility's distribution infrastructure.

When all work has been completed, return this form to the appropriate District office to schedule an inspection.

SIGNATURE Contreras TITLE Production Spec. DATE 6/7/15
TYPE OR PRINT NAME JUNIOR CONTRERAS E-MAIL: jcontreras@linnenergy.com PHONE: 575/909-6031
For State Use Only
APPROVED BY: Mark Whitaker TITLE Compliance Officer DATE 6/25/15

JUN 26 2015

C-108 ITEM VII

Operational Information

Operational Narrative

Produced Water Analyses – Source & Target Zones

Various Applicable Standard Exhibits in Support of SWD Operations and Produced Water Summaries Follow this Page…

C-108 ITEM VII – PROPOSED OPERATION

The Javelina 9-25-37 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 730 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 ANAYLSES

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

Lab ID

Sample ID 4425

Sample No

API No 3002506278

Well Name A B REEVES 002

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_	
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.)

SOS Consulting, LLC

C-108 Item VII.5 - Produced Water Data

BC&D Operating, Inc. - Javelina SWDs

SOURCE ZONE

GRAYBURG

Lab ID

Sample ID 3029

Sample No

API No 3002506435

Well Name HAWK B 1 012

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_	
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.)

SOS Consulting, LLC

C-108 Item VII.5 - Produced Water Data

BC&D Operating, Inc. - Javelina SWDs

SOURCE ZONE

GRAYBURG-SAN ANDRES

Lab ID

Sample ID 3508

Sample No

API No 3002504266

Well Name EUNICE MONUMENT SOUTH U 890

Location ULSTR 14 20 S 36 E **Lat / Long** 32.56718 -103.31810

660 S 660 E **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_	
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.)

SOS Consulting, LLC

C-108 Item VII.5 - Produced Water Data

BC&D Operating, Inc. - Javelina SWDs

SOURCE ZONE

BLINEBRY

Lab ID

Sample ID 4013

Sample No

API No 3002510462

Well Name ALLIE M LEE 001

Location ULSTR 26 22 S 37 E

2310 S 330 E

Lat / Long 32.36184 -103.12585

County Lea

Operator (when sampled)

Field BLINEBRY

Unit I

Sample Date

Analysis Date

Sample Sourc DST

Water Typ

Depth (if known)

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_I	
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.)

SOS Consulting, LLC

C-108 Item VII.5 - Produced Water Data

BC&D Operating, Inc. - Javelina SWDs

SOURCE ZONE

BONE SPRING

Lab ID

Sample ID 5840

Sample No

API No 3002527250

Well Name BERRY APN STATE 001

Location ULSTR 05 21 S 34 E **Lat / Long** 32.50569 -103.49786

1980 S 660 W **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_I	
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.)

SOS Consulting, LLC

C-108 Item VII.5 - Produced Water Data

BC&D Operating, Inc. - Javelina SWDs

SOURCE ZONE

DELAWARE

Lab ID

Sample ID 4296

Sample No

API No 3002508489

Well Name BELL LAKE UNIT 002

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_	
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.)

SOS Consulting, LLC

C-108 Item VII.5 - Produced Water Data

BC&D Operating, Inc. - Javelina SWDs

DISPOSAL ZONE

SAN ANDRES

Lab ID

Sample ID 3027

Sample No

API No 3002523756

Well Name LOU WORTHAM 006

Location ULSTR 11 22 S 37 E **Lat / Long** 32.40711 -103.14079

2310 N 380 W **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_I	
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.)

SOS Consulting, LLC

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.

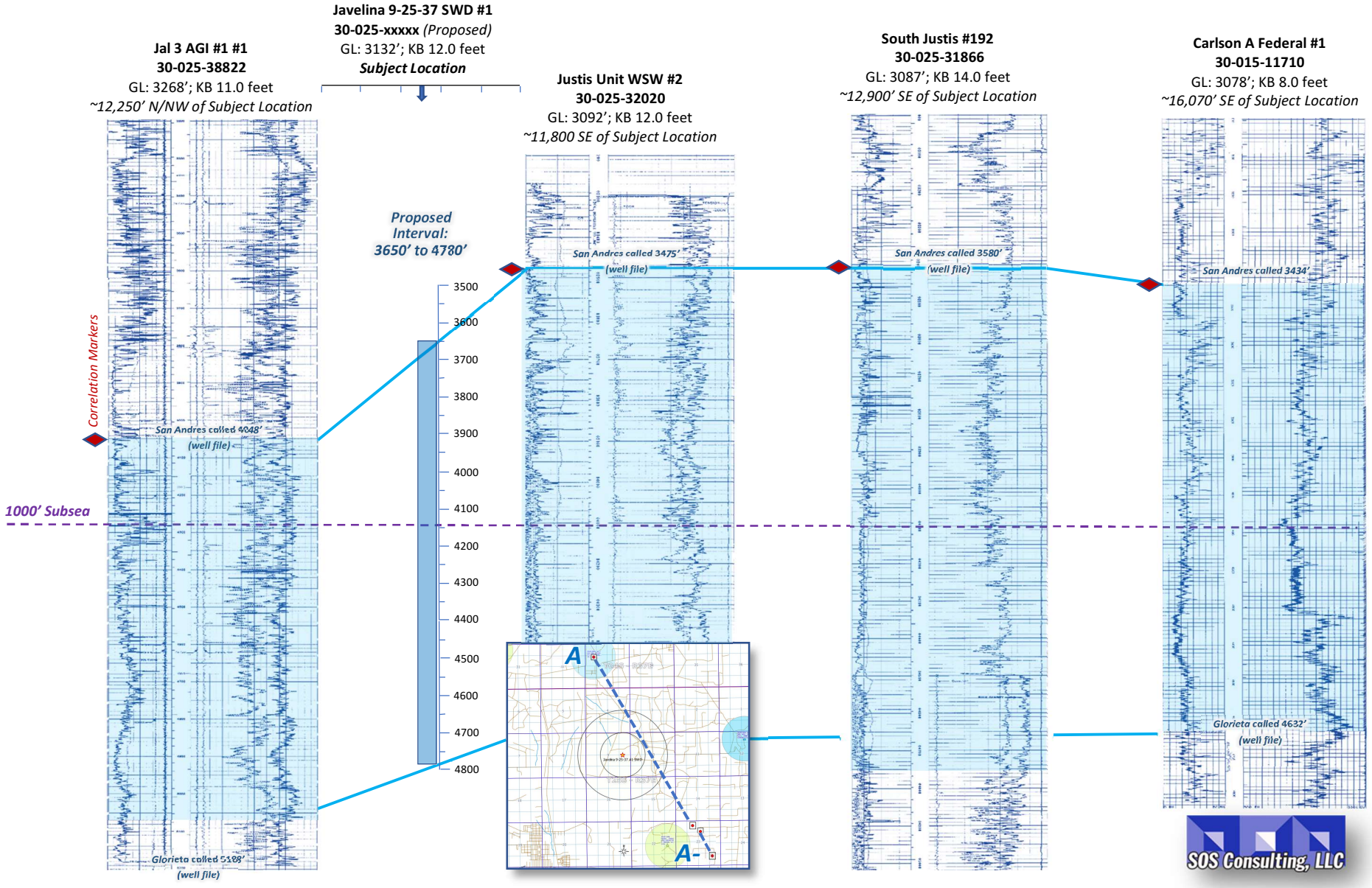
New logs will be run to positively identify the target intervals within the described maximum top and bottom depths.

Cross-Section follows…

BC&D Operating, Inc. – Javelina 9-25-37 SWD #1

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 3650 feet to 4780 feet which will be verified upon analyses of new logs including mudlogs.



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 3650 feet to 4780 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.

C-108 ITEM XI

Water Wells within Area of Review
and
Groundwater Information for Area

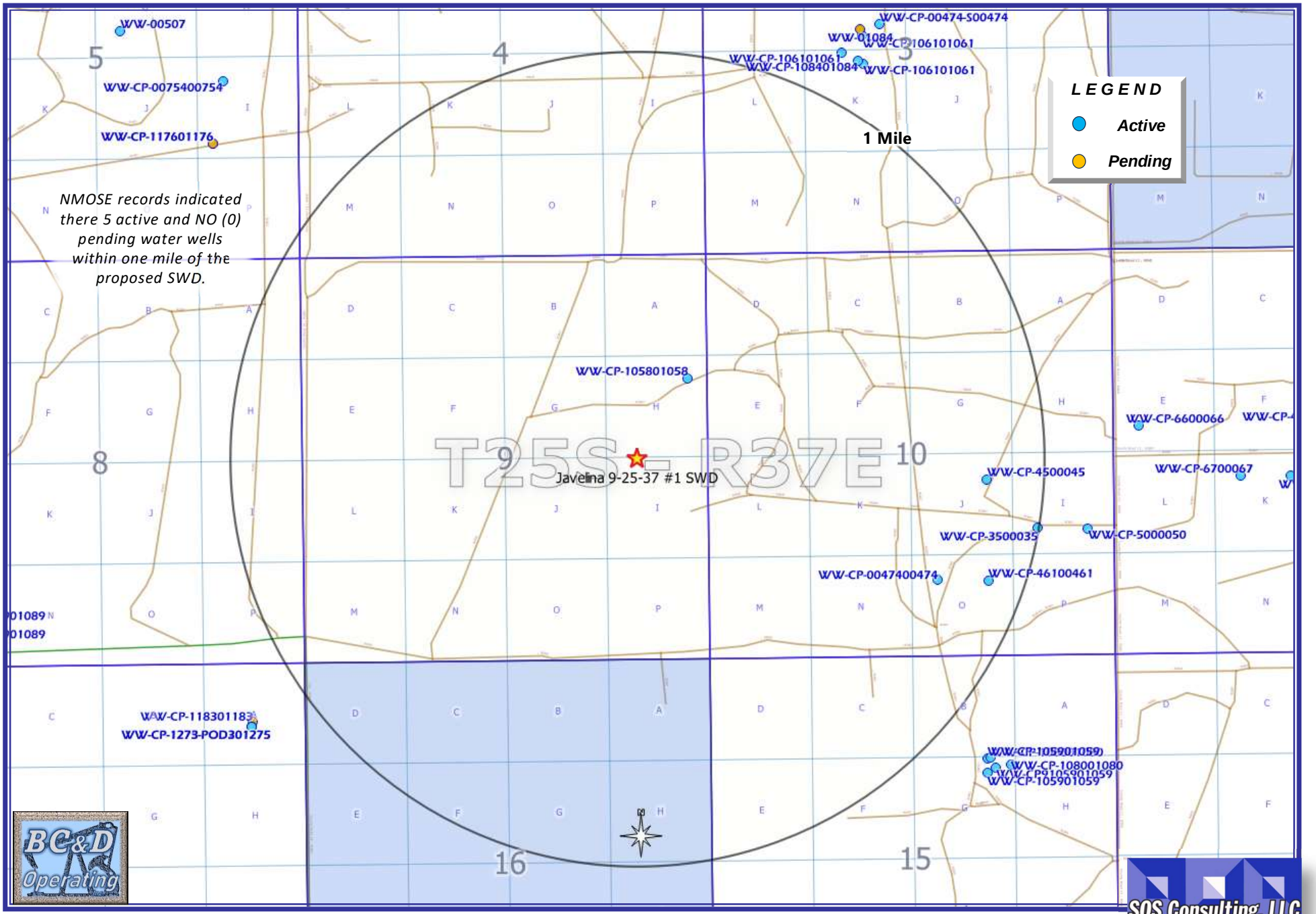
Water Well Map – 1-Mile Area of Review

Fresh Water Analysis if Applicable

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

Javelina 9-25-37 #1 SWD – 1-Mile AOR Water Wells

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



CARDINAL Laboratories

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/qa/lab_accred_certif.html.

Cardinal Laboratories is accreditated 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

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

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

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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							
LCS (3082138-BS1)				Prepared & Analyzed: 21-Aug-23						
Chloride	100	4.00	mg/L	100		100	80-120			
LCS Dup (3082138-BSD1)				Prepared & Analyzed: 21-Aug-23						
Chloride	104	4.00	mg/L	100		104	80-120	3.92	20	
Batch 3082401 - Filtration										
Blank (3082401-BLK1)				Prepared: 24-Aug-23 Analyzed: 25-Aug-23						
TDS	ND	5.00	mg/L							

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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 3082401 - Filtration										
LCS (3082401-BS1)				Prepared: 24-Aug-23 Analyzed: 25-Aug-23						
TDS	543		mg/L	500		109	80-120			
Duplicate (3082401-DUP1)		**Source: H234523-01**		Prepared: 24-Aug-23 Analyzed: 25-Aug-23						
TDS	875	5.00	mg/L		889			1.59	20	
Batch 3090512 - General Prep - Wet Chem										
LCS (3090512-BS1)				Prepared & Analyzed: 05-Sep-23						
pH	7.17		pH Units	7.00		102	90-110			
Conductivity	493		uS/cm	500		98.6	80-120			
Duplicate (3090512-DUP1)		**Source: H234781-01**		Prepared & Analyzed: 05-Sep-23						
pH	7.79	0.100	pH Units		7.76			0.386	20	
Conductivity	1570	1.00	umhos/cm @ 25°C		1570			0.446	20	
Temperature °C	19.0		pH Units		19.1			0.525	200	
Batch 3090702 - General Prep - Wet Chem										
Blank (3090702-BLK1)				Prepared & Analyzed: 07-Sep-23						
Sulfate	ND	10.0	mg/L							
LCS (3090702-BS1)				Prepared & Analyzed: 07-Sep-23						
Sulfate	17.3	10.0	mg/L	20.0		86.5	80-120			
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	

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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	

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

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

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories
101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:	BC & D Operating, Inc.
Project Manager:	Donnie Hill JR
Address:	P.O Box 302
City:	Hobbs State: N.M Zip: 88240
Phone #:	575-390-1207 Fax #:
Project #:	Project Owner: BC & D
Project Name:	Javelina SWD #1
Project Location:	Javelina 9-25-37 #1 SWD
Sampler Name:	Donnie Hill JR / Phillip Little

BILL TO

P.O. #:	
Company:	
Attn:	
Address:	
City:	
State:	Zip:
Phone #:	
Fax #:	

ANALYSIS REQUEST

Atms + Cations ✓

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME
H234781-1	WWCP350035	G	2		✓								9/5/23	11:00 AM ✓

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: Donnie Hill	Date: 9/5/2023 Time: 12:03pm	Received By: Tamara Oldaker	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
Relinquished By:	Date: Time:	Received By:	All Results are emailed. Please provide Email address: Donnie Hill JR dhilljr@wellconsultant.com
			REMARKS:

Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C 26.6 Corrected Temp. °C	Sample Condition Cool: Yes ☑ / No ☐ Intact: Yes ☑ / No ☐	CHECKED BY: (Initials)	Turnaround Time: Standard ☑ Rush ☐ Thermometer ID #140 Correction Factor 0°C

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No Observed Temp. °C Corrected Temp. °C

FORM-006 R 3.4 07/11/23

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

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

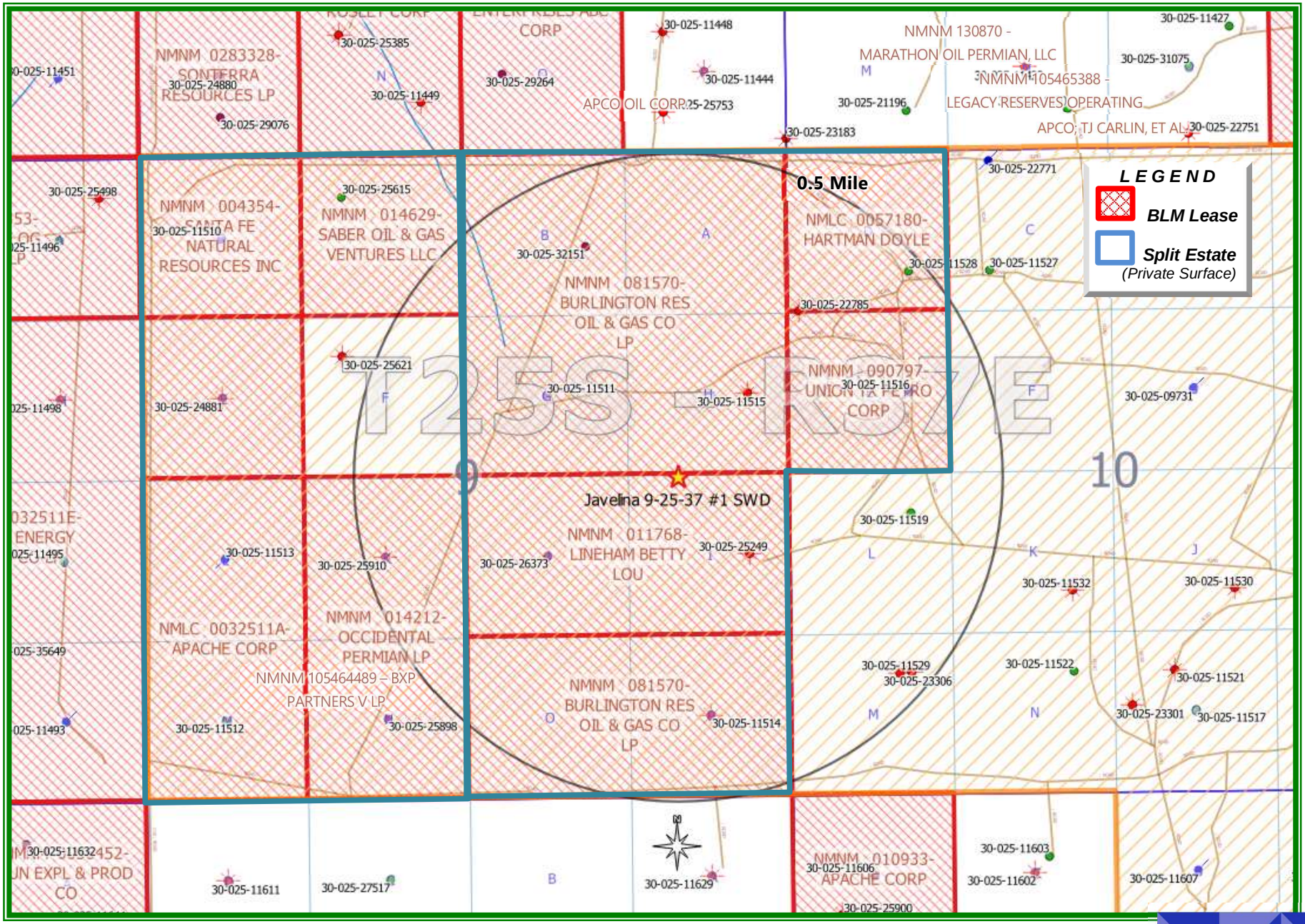
Instructions for PDF Document Access

Proof of Certified Mailing

Affidavit Published Legal Notice

Javelina 9-25-37 SWD #1 – Leasehold/ Affected Parties Plat

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



SOS Consulting, LLC

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 EVIDENCE 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 7930	☒

OFFSET MINERALS LESSEES and/ or OPERATORS

*	**BETTY LOU LINEHAM *** Dallas, TX	n/a	☒
2	**BURLINGTON RESOURCES OIL & GAS** P.O. Box 2197 Houston, Texas 77252	7018 2290 0001 2038 7947	☒
3	**SABER OIL & GAS VENTURES, LLC** 400 W. Illinois Ave., Suite 950 Midland, Texas 79701-4641	7018 2290 0001 2038 7954	☒
4	**DOYLE HARTMAN** 500 N. Main Street Midland, TX 79701	7018 2290 0001 2038 7961	☒
5	**UNION TEXAS PETROLEUM** P.O. Box 2120 Houston, Texas 77252-2120	7018 2290 0001 2038 7978	☒
6	**KERR-McGEE OIL & GAS** 16666 Northchase Drive Houston, Texas 77060-6014	7018 2290 0001 2038 7985	☒
7	**OCCIDENTAL PERMIAN, LP** 5 Greenway Plaza, Ste.110 Houston, TX 77046-0521	7018 2290 0001 2038 7992	☒
8	**SABINAL ENERGY OPERATING, LLC** 1780 Hughes Landing Blvd., Ste.1200 The Woodlands, Texas 77380-4024	7018 2290 0001 2038 8005	☒
9	**BXP OPERATING, LLC** 11757 Katy Fwy, Ste.475 Houston, TX 77079-1761	7018 2290 0001 2038 8012	☒

***Note: NMNM011768 HBP,** lessees private, no contact info available, no active wells.*
See attached MLRS printout.

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

REGULATORY

	NM OIL CONSERVATION DIVISION 1220 S. St. Francis Dr. Santa Fe, NM 87505	*Filed via OCD Online e-Permitting*	
10	**U.S. DEPARTMENT OF INTERIOR** **Bureau of Land Management** Oil & Gas Division 620 E. Greene St. Carlsbad, NM 88220	7018 2290 0001 2038 8029	☒

DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
CASE RECORDATION
(MASS) Serial Register Page

Run Date/Time: 9/19/2023 12:28 PM **NMNM105469535**

Authority

02-25-1920; 041STAT0437; 30USC226; 08-21-1935; 049STAT0674; 30USC226; MINERAL LEASING ACT OF 1920

Product Type 310771 EXCHANGE PUBLIC DOMAIN LEASE
Commodity Oil & Gas
Case Disposition AUTHORIZED

Total Acres	Serial Number
160.0000	NMNM105469535
Case File Jurisdiction	**Legacy Serial No** NMNM 011768
	Lease Issued Date

CASE DETAILS NMNM105469535

Case Name	C-7990407	Split Estate		Fed Min Interest	
Effective Date	09/01/1960	Split Estate Acres		Future Min Interest	No
Expiration Date		Royalty Rate	Sliding Schedule D	Future Min Interest Date	
Land Type		Royalty Rate Other		Acquired Royalty Interest	
Formation Name		Approval Date		Held In a Producing Unit	No
Parcel Number		Sale Date		Number of Active Wells	
Parcel Status		Sales Status		Production Status	Held by Actual Production
Participating Area		Total Bonus Amount	0.00		
Related Agreement		Tract Number		Lease Suspended	No
Application Type		Fund Code	145003	Total Rental Amount	

CASE CUSTOMERS NMNM105469535

Name & Mailing Address			Interest Relationship	Percent Interest
B & E INC	PO BOX 2292	HOBBS NM 88240	OPERATING RIGHTS	0.000000
FULFER OIL & CATTLE CO LLC	101 E PANTHER AVE	JAL NM 88252	OPERATING RIGHTS	0.000000
KCS RESOURCES LLC	1000 LOUISIANA ST STE 5600	HOUSTON TX 77002-5038	OPERATING RIGHTS	0.000000
MAGNUM HUNTER PRODUCTION INC	840 GESSNER RD, SUITE 1400	HOUSTON TX 77024	OPERATING RIGHTS	0.000000
MERIT ENERGY PARTNERS	13727 NOEL RD STE 500	DALLAS TX 75240-7312	OPERATING RIGHTS	0.000000
MERIT ENERGY PARTNERS III LP	13727 NOEL RD STE 500	DALLAS TX 75240-7312	OPERATING RIGHTS	0.000000
MERIT HOLDING CORP	13727 NOEL RD #500	DALLAS TX 75240	OPERATING RIGHTS	0.000000
PRIZE ENERGY RESOURCES INC	202 S CHEYENNE AVE STE 1000	TULSA OK 74103-3001	OPERATING RIGHTS	0.000000
XTO HOLDINGS LLC	810 HOUSTON ST	FORT WORTH TX 76102-6203	OPERATING RIGHTS	0.000000
XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX XX XXXXX-XXXX	OPERATING RIGHTS	0.000000
XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX XX XXXXX-XXXX	LESSEE	16.670000
XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX XX XXXXX-XXXX	LESSEE	16.670000
XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX XX XXXXX-XXXX	LESSEE	16.670000
XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX XX XXXXX-XXXX	LESSEE	25.000000
XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX XX XXXXX-XXXX	OPERATING RIGHTS	0.000000
XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX XX XXXXX-XXXX	OPERATING RIGHTS	0.000000
XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX XX XXXXX-XXXX	OPERATING RIGHTS	0.000000
XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX XX XXXXX-XXXX	LESSEE	25.000000

RECORD TITLE
(No Records Found)

OPERATING RIGHTS
(No Records Found)

LAND RECORDS NMNM105469535

Mer	Twp	Rng	Sec	Survey Type	Survey Number	Subdivision	District / Field Office	County	Mgmt Agency
23	0250S	0370E	009	Aliquot		N2SE	PECOS DISTRICT OFFICE CARLSBAD FIELD OFFICE	LEA	BUREAU OF LAND MGMT
23	0250S	0370E	015	Aliquot		W2SW	PECOS DISTRICT OFFICE CARLSBAD FIELD OFFICE	LEA	BUREAU OF LAND MGMT

CASE ACTIONS

Action Date	Date Filed	Action Name	Action Status	Action Information	NMNM105469535
11/01/1935	11/01/1935	CASE ESTABLISHED	APPROVED/ACCEPTED		
11/01/1935	11/01/1935	EFFECTIVE DATE	APPROVED/ACCEPTED		
11/01/1935	11/01/1935	FUND CODE	APPROVED/ACCEPTED	Action Remarks: 05;145003	

September 20, 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 9-25-37 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 9, Township 25 South, Range 37 East in Lea County, New Mexico.

The published notice states that the interval will be from 3,650 feet to 4,780 feet into the San Andres formation. Following is the notice published in the Hobbs News-Sun, Hobbs, New Mexico on or about September 19, 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 9-25-37 SWD #1 (API No.30-025-TBD). The well will be located 2600 feet from the South line and 920 feet from the East 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 3650' to 4780' at a maximum surface pressure of 730 psi, maximum daily rate of 15,000 bwpd and an average rate of 12,500 bwpd. The subject SWD well is located approximately 2.9 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

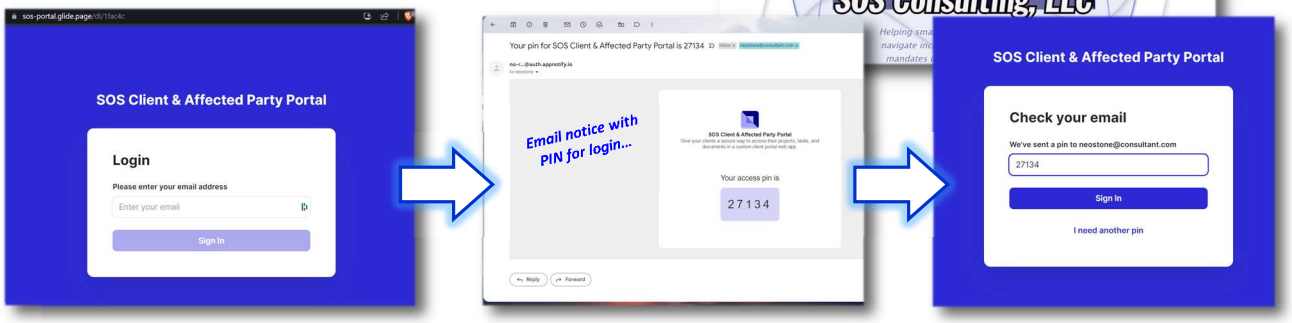
*Thank you for using the new SOS Document Portal. This system allows for the **secure delivery of all types of applications and any resulting permits**. The system is built in and stored in the cloud using the best available platforms and code for a secure and robust app. We hope you appreciate our efforts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

Open the SOS Consulting website at: **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.)

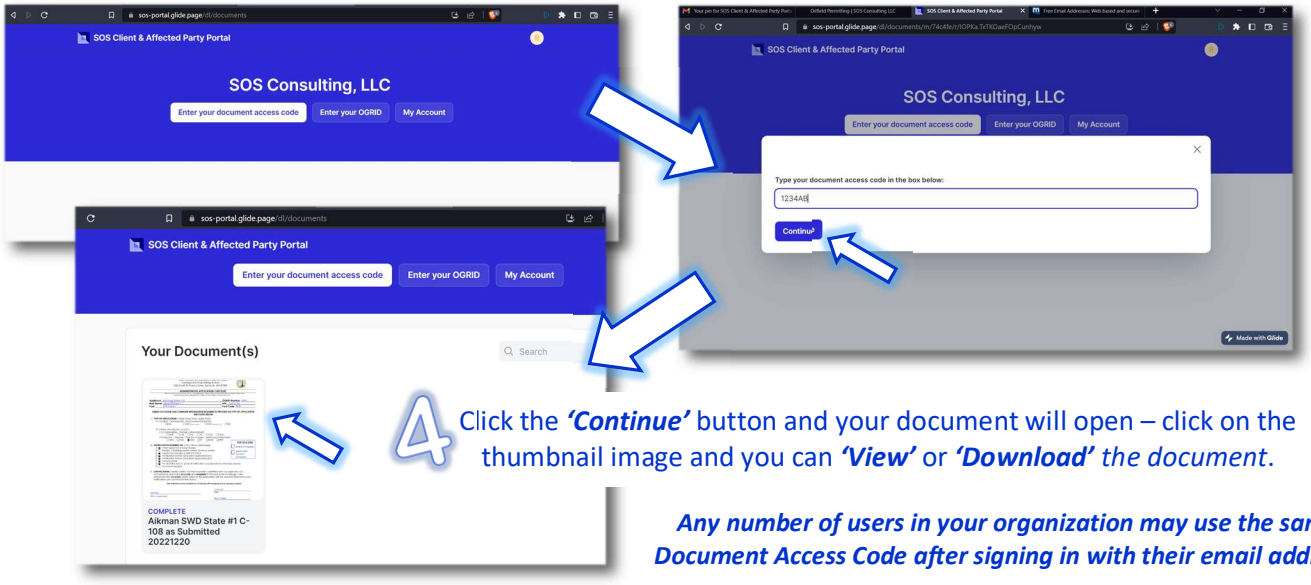
*Each time you log into the SOS Portal, you will be sent a pin code for **2-Step Verification** to your email within 15 seconds. Enter the code for access to the portal.*

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)

U.S. Postal Service™ CERTIFIED MAIL® RECEIPT
Domestic Mail Only
For delivery information, visit our website at *www.usps.com®*.
Jal, NM 88252
OFFICIAL USE
Certified Mail Fee $4.35 — $3.55
Extra Services & Fees (check box, add fee as appropriate)
☐ Return Receipt (hardcopy) $ $0.00
☐ Return Receipt (electronic) $ $0.00
☐ Certified Mail Restricted Delivery $ $0.00
☐ Adult Signature Required $ $0.00
☐ Adult Signature Restricted Delivery $
Postage $0.66
Total Postage and Fees $8.56
0360 05
Postmark Here
09/20/2023
Sent To
Street and Apt
City, State, ZIP
Johnny M. Owen
P.O. Box 1013
Jal, NM 88252
PS Form 3800
7018 2290 0001 2038 7930

U.S. Postal Service™ CERTIFIED MAIL® RECEIPT
Domestic Mail Only
For delivery information, visit our website at *www.usps.com®*.
Houston, TX 77252
OFFICIAL USE
Certified Mail Fee $4.35 — $3.55
Extra Services & Fees (check box, add fee as appropriate)
☐ Return Receipt (hardcopy) $ $0.00
☐ Return Receipt (electronic) $ $0.00
☐ Certified Mail Restricted Delivery $ $0.00
☐ Adult Signature Required $ $0.00
☐ Adult Signature Restricted Delivery $
Postage $0.66
Total Postage and Fees $8.56
0360 05
Postmark Here
09/20/2023
Sent To
Street and
City, State
BURLINGTON RESOURCES
OIL & GAS
P.O. Box 2197
Houston, Texas 77252
PS Form
7018 2290 0001 2038 7947

CERTIFIED MAIL® RECEIPT
Domestic Mail Only
For delivery information, visit our website at *www.usps.com®*.
Midland, TX 79701
OFFICIAL USE
Certified Mail Fee $4.35 — $3.55
Extra Services & Fees (check box, add fee as appropriate)
☐ Return Receipt (hardcopy) $ $0.00
☐ Return Receipt (electronic) $ $0.00
☐ Certified Mail Restricted Delivery $ $0.00
☐ Adult Signature Required $ $0.00
☐ Adult Signature Restricted Delivery $
Postage $0.66
Total Postage and Fees $8.56
0360 05
Postmark Here
09/20/2023
Sent To
Street ar
City, Sta
SABER OIL & GAS VENTURES, LLC
400 W. Illinois Ave., Suite 950
Midland, Texas 79701-4641
PS Form
7018 2290 0001 2038 7954

CERTIFIED MAIL® RECEIPT
Domestic Mail Only
For delivery information, visit our website at *www.usps.com®*.
Midland, TX 79701
OFFICIAL USE
Certified Mail Fee $4.35 — $3.55
Extra Services & Fees (check box, add fee as appropriate)
☐ Return Receipt (hardcopy) $ $0.00
☐ Return Receipt (electronic) $ $0.00
☐ Certified Mail Restricted Delivery $ $0.00
☐ Adult Signature Required $ $0.00
☐ Adult Signature Restricted Delivery $
Postage $0.66
Total Postage and Fees $8.56
0360 05
Postmark Here
09/20/2023
Sent To
Street and
City, State
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Midland, TX 79701
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16666 Northchase Drive
Houston, Texas 77060-6014
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C-108 - Item XIV

Proof of Notice (Certified Mail Receipts – cont.)

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5 Greenway Plaza, Ste.110
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SABINAL ENERGY OPERATING, LLC
1780 Hughes Landing Blvd., Ste.1200
The Woodlands, Texas 77380-4024

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Houston, TX 77079

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- Adult Signature Required $0.00
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Postage $0.66
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Stree
City,

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

PS F

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 19, 2023
and ending with the issue dated
September 19, 2023.

Publisher

Sworn and subscribed to before me this
19th day of September 2023.

Business Manager

My commission expires
January 29, 2027
(Seal)

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

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

LEGAL NOTICE
September 19, 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 9-25-37 SWD #1 (API No.30-025-TBD). The well will be located 2600 feet from the South line and 920 feet from the East 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 3650' to 4780' at a maximum surface pressure of 730 psi, maximum daily rate of 15,000 bwpd and an average rate of 12,500 bwpd. The subject SWD well is located approximately 2.9 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.
#00282887

67104420 00282887

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

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

[1] API Number	[2] Pool Code	[3] Pool Name
30-025-XXXXX	96121	SWD; San Andres

[4] Property Code	[5] Property Name	[6] Well Number
TBD	Javelina 9-25-37 SWD	1

[7] OGRID No.	[8] Operator Name	[9] Elevation
25670	BC&D Operating, Inc.	3132'

[10] Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I	9	25S	37E		2600'	FSL	920'	FEL	Lea

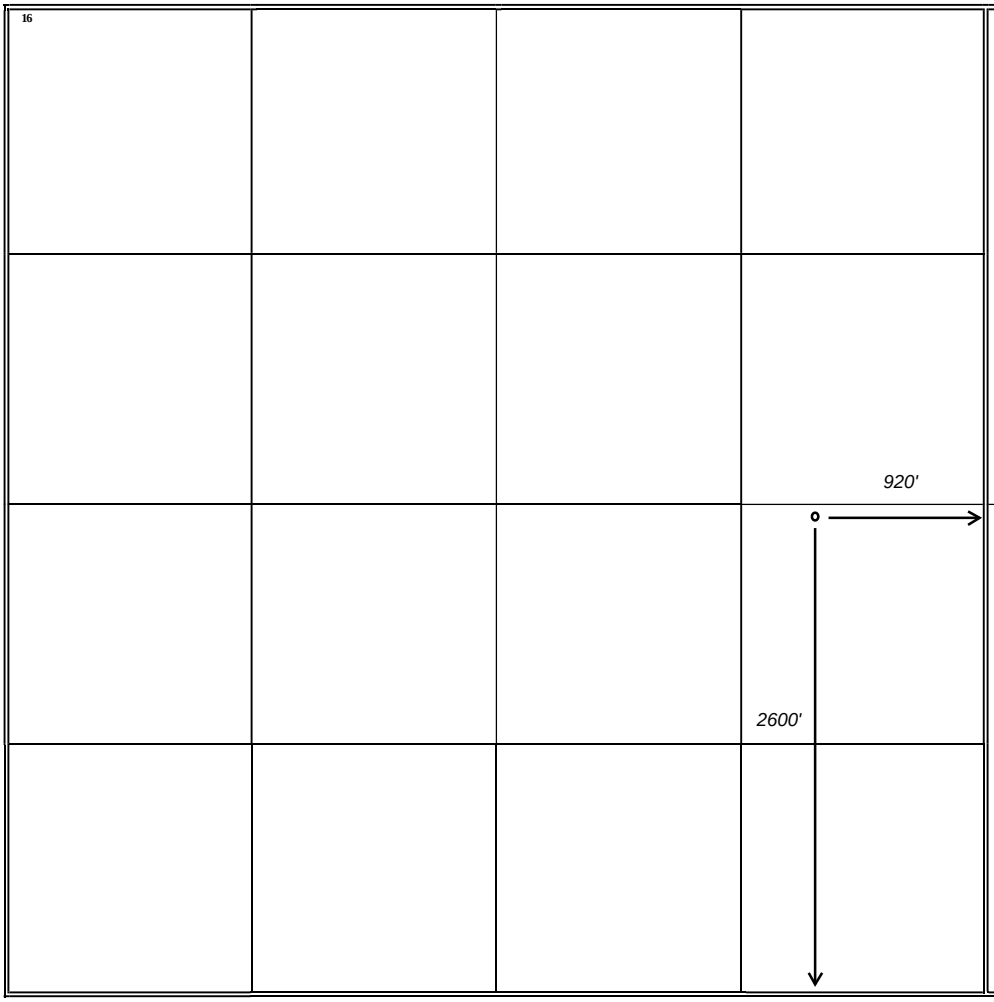
[11] Bottom Hole Location If Different From Surface

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	[13] Joint or Infill	[14] Consolidation Code	[15] Order No.
n/a			

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

[16]



[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.

Signature 9/15/2023 Date

Ben Stone
Printed Name

ben@sosconsulting.us
E-mail Address

[18] SURVEYOR CERTIFICATION

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

Date of Survey

Signature and Seal of Professional Surveyor:

PRE-SURVEY
FOR INFORMATIONAL
PURPOSES ONLY.

Certificate Number

WELL SCHEMATIC - PROPOSED

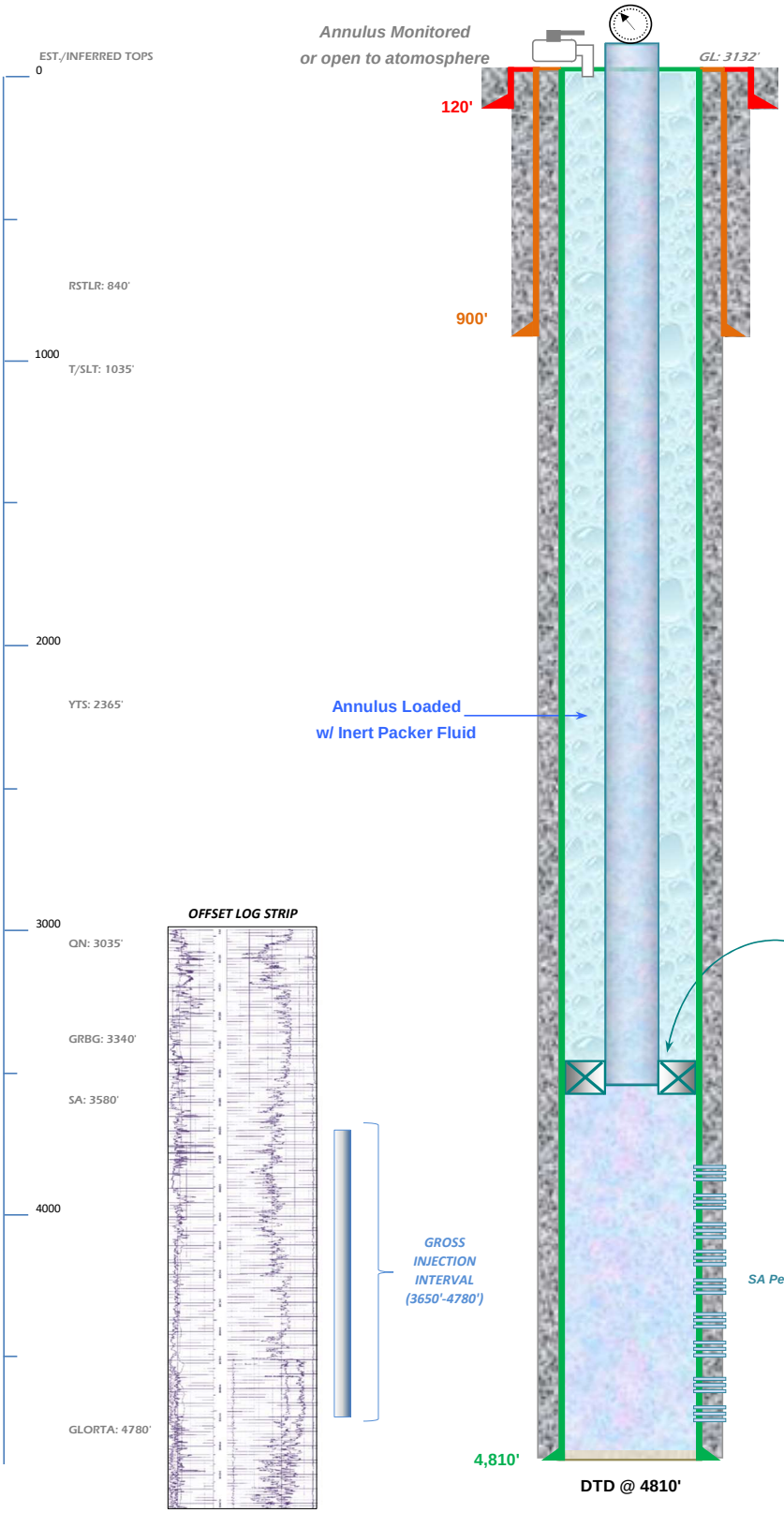
Javelina 9-25-37 SWD #1

SWD; San Andres (96121)

API 30-025-xxxxx

2600' FSL & 920' FEL, SEC. 9-25S-R37E
LEA COUNTY, NEW MEXICO

Spud Date: ~4/01/2024
Config SWD Dt: ~4/15/2024



Injection Pressure Regulated
and Volumes Reported
730 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) @ 900'
1225 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 jspf.
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) @ 4,810';
700 sx 'C' - Calc'd to Circ.

Drawn by: Ben Stone, 9/20/2023

SOS Consulting, LLC

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 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.
9 wells penetrate the proposed injection interval; 7 P&A'd.
P&A Well Diagrams

All Above Exhibits follow this page…

Form C-108 Item VI - Tabulation of AOR Wells

	Top of Proposed SAN ANDRES Interval 3650'				*1 Well (one) Penetrates Proposed Interval.*				
API	Current Operator	Well Name	Type	Status	ULSTR	Lease	Depth (V)	Spud Dt.	Plug Dt.
Subject Well									
30-025-xxxxx	BC&D Operating, Inc.	Javelinla 9-25-37 SWD #1	SWD	New	I-9-25S-37E	Private	4810'	~4/01/2024	
30-025-23306	LINN OPERATING, LLC.	LANGLIE MATTIX QUEEN UNIT #003	Injection	P&A-R	M-10-25S-37E	Private	3650'	12/31/9999	12/5/2014
									P&A diagram attached.
30-025-11529	PRE-ONGARD WELL OPERATOR	PRE-ONGARD WELL #001	Gas	P&A-R	M-10-25S-37E	No Data	0'	1/1/1900	1/1/1900
30-025-11519	Sabinal Energy Operating, LLC	STUART LANGLIE MATTIX UNIT #124	Oil	Active	L-10-25S-37E	Private	3455'	1/8/1938	
30-025-11528	Sabinal Energy Operating, LLC	STUART LANGLIE MATTIX UNIT #114	Oil	Active	D-10-25S-37E	Federal	3440'	5/15/1939	
30-025-11516	Sabinal Energy Operating, LLC	STUART LANGLIE MATTIX UNIT #115	Injection	Active	E-10-25S-37E	Federal	3633'	6/22/1938	
30-025-25910	PRE-ONGARD WELL OPERATOR	PRE-ONGARD WELL #002	Oil	P&A-R	K-09-25S-37E	Federal	0'	1/1/1900	1/1/1900
30-025-11511	FULFER OIL & CATTLE LLC	PRICHARD A #001	Gas	Active	G-09-25S-37E	Federal	3169'	2/15/1957	
30-025-26373	FULFER OIL & CATTLE LLC	EL PASO PRITCHARD FEDERAL #001	Gas	Active	J-09-25S-37E	Federal	3280'	12/31/9999	
30-025-32151	MAMMOTH EXPLORATION, LLC	PRICHARD B #001	Gas	P&A-R	B-09-25S-37E	Federal	3169'	9/24/1993	5/4/2023
30-025-11514	PRE-ONGARD WELL OPERATOR	PRE-ONGARD WELL #005	Oil	P&A-R	P-09-25S-37E	No Data	0'	1/1/1900	1/1/1900
30-025-11515	PRE-ONGARD WELL OPERATOR	PRE-ONGARD WELL #002	Oil	P&A-R	H-09-25S-37E	No Data	0'	1/1/1900	1/1/1900
30-025-25249	PRE-ONGARD WELL OPERATOR	PRE-ONGARD WELL #001	Oil	P&A-R	I-09-25S-37E	Federal	0'	1/1/1900	1/1/1900
30-025-22785	PRE-ONGARD WELL OPERATOR	PRE-ONGARD WELL #127	Injection	P&A-R	D-10-25S-37E	Federal	3550'	10/31/1968	12/5/1978

SUMMARY: 1 well penetrates the proposed disposal interval, it is P&A'd.

SOS Consulting, LLC

C-108 ITEM VII – PRODUCED WATER ANAYLSES

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 APPLICATION)

C-108 ITEM VII

Operational Information

Operational Narrative

Produced Water Analyses – Source & Target Zones

Various Applicable Standard Exhibits in Support of SWD Operations and Produced Water Summaries Follow this Page…

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 3650 feet to 4780 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.

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 270639

CONDITIONS

Operator: BC & D OPERATING INC. 2702 N. Grimes ST B Hobbs, NM 88240	OGRID: 25670
	Action Number: 270639
	Action Type: [C-108] Fluid Injection Well (C-108)

CONDITIONS

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