

AE Order Number Banner

Application Number: pMSG2335442405

SWD-2588

BC & D OPERATING INC. [25670]

Revised March 23, 2017

RECEIVED:	REVIEWER:	TYPE:	APP NO:
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ABOVE THIS TABLE FOR OCD DIVISION USE ONLY

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

**ADMINISTRATIVE APPLICATION CHECKLIST**

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

Applicant: BC&D Operating, Inc. **OGRID Number:** 25670
Well Name: Javelina 15-25-37 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
2) NOTIFICATION REQUIRED TO: Check those which apply.

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

FOR OCD ONLY

- ☐ Notice Complete
☐ Application Content Complete

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

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

Ben Stone

Print or Type Name

Signature

12/19/2023

Date

936-377-5696

Phone Number

ben@sosconsulting.us

e-mail Address



December 19, 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 15-25-37 SWD #1, (API 30-025-xxxxx) located in Section 15, 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 December 7, 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 private/ fee land and minerals.

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

Best regards,

A handwritten signature in blue ink, appearing to read "Ben Stone".

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 4 wells, 2 P&A 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.
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 9 water wells within one mile of the proposed SWD well per OSE data. Local representative analysis 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 2 offset lessees and/or operators within ONE mile plus Federal minerals - all have been noticed. Location is PRIVATE/ FEE.***
- 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: ***12/19/2023***

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 30-025-XXXX	² Pool Code 96121	³ Pool Name SWD; San Andres
⁴ Property Code TBD	⁵ Property Name Javelina 15-25-37	
⁶ Well Number 1		
⁷ OGRID No. 25670	⁸ Operator Name BC&D Operating, Inc.	
	⁹ Elevation 3099'	

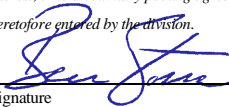
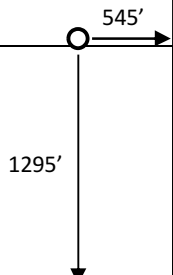
¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I	15	25S	37E		1245'	South	545'	East	Lea

¹¹ Bottom Hole Location If Different From Surface[illegible]

¹² Dedicated Acres n/a	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No. SWD pending
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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.

16					17 OPERATOR CERTIFICATION <i>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.</i>  Signature 12/18/2023 Date Ben Stone Printed Name ben@sosconsulting.us E-mail Address
					18 SURVEYOR CERTIFICATION <i>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.</i>  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.
4 wells penetrate the proposed injection interval; 2 P&A'd.
P&A Well Diagrams

All Above Exhibits follow this page...



WELL SCHEMATIC - PROPOSED Javelina 15-25-37 SWD #1

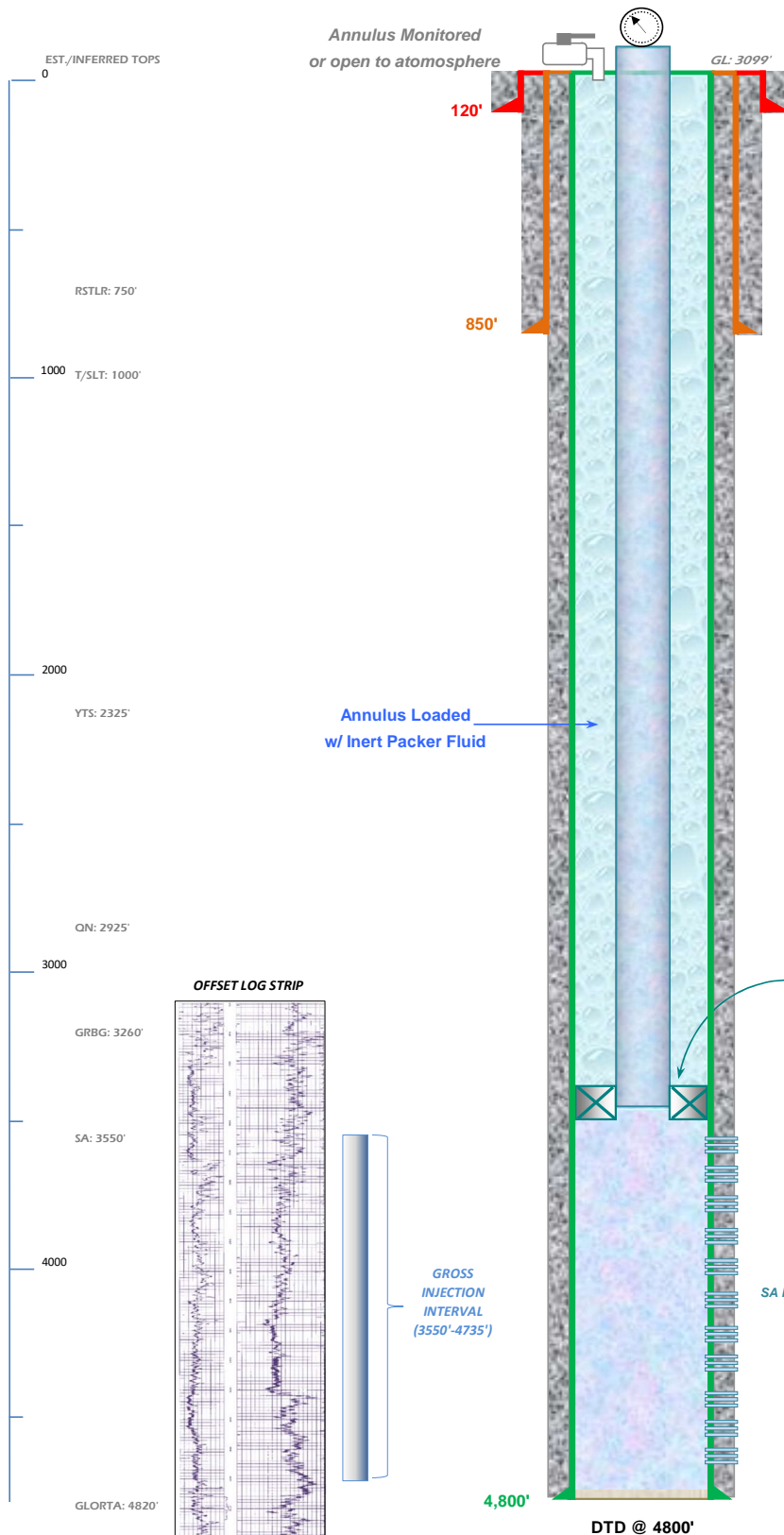
API 30-025-xxxxx

1295' FSL & 545' FEL, SEC. 15-25S-R37E
LEA COUNTY, NEW MEXICO

SWD; San Andres (96121)

Spud Date: ~5/01/2024

Config SWD Dt: ~5/15/2024



Injection Pressure Regulated
and Volumes Reported
710 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) @ 850'
1180 sx - Circulated to Surface

BC&D OPERATING, INC.

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

5.5" IC Tubing (or smaller)
PKR ~3450'+

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

SA Perfs - 3550'-4735'

Production Casing

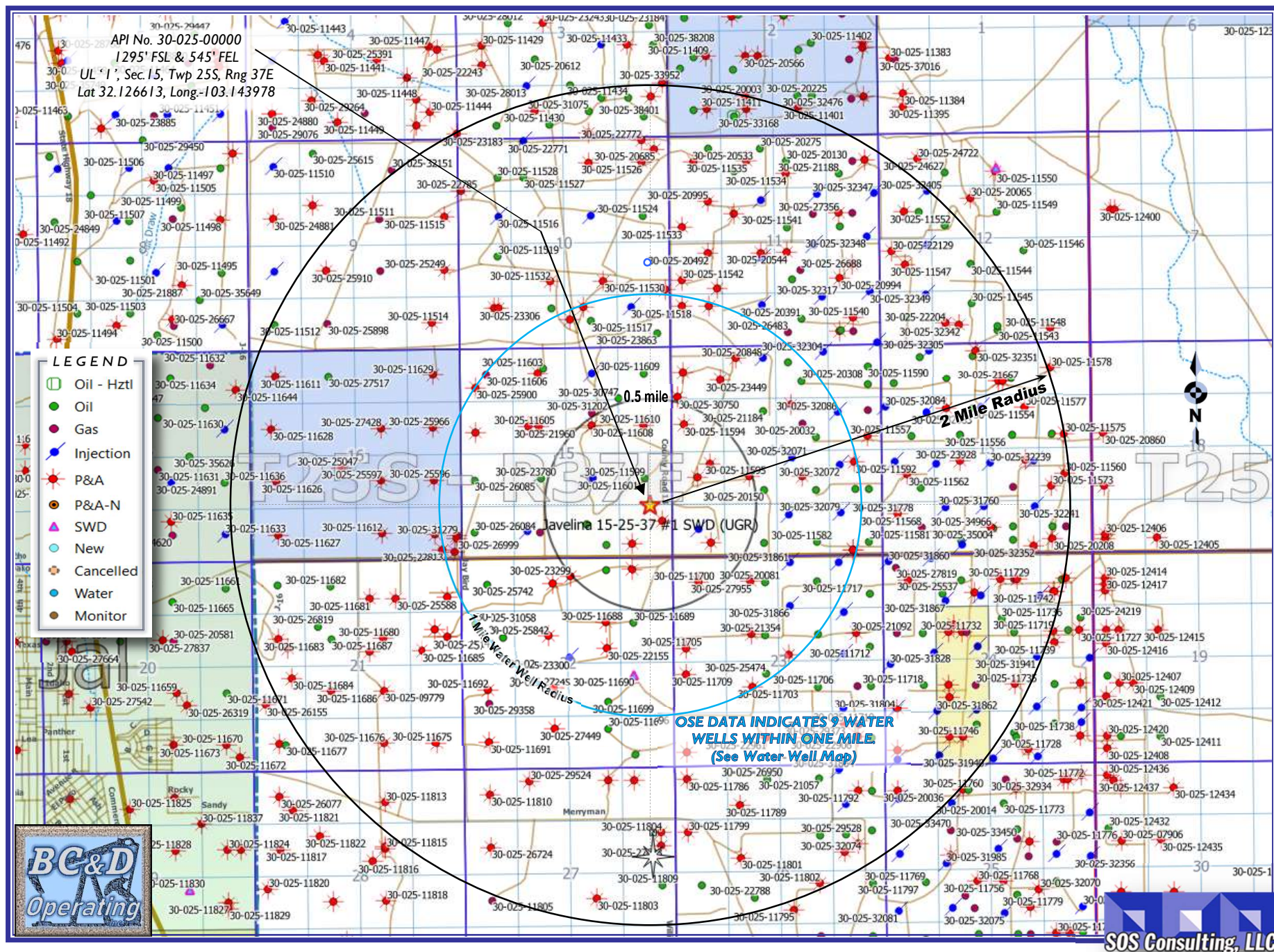
7.0", 26.0# J-55 Csg. (8.75" Hole) @ 4,800';
680 sx 'C' - Calc'd to Circ.

Drawn by: Ben Stone, 12/03/2023



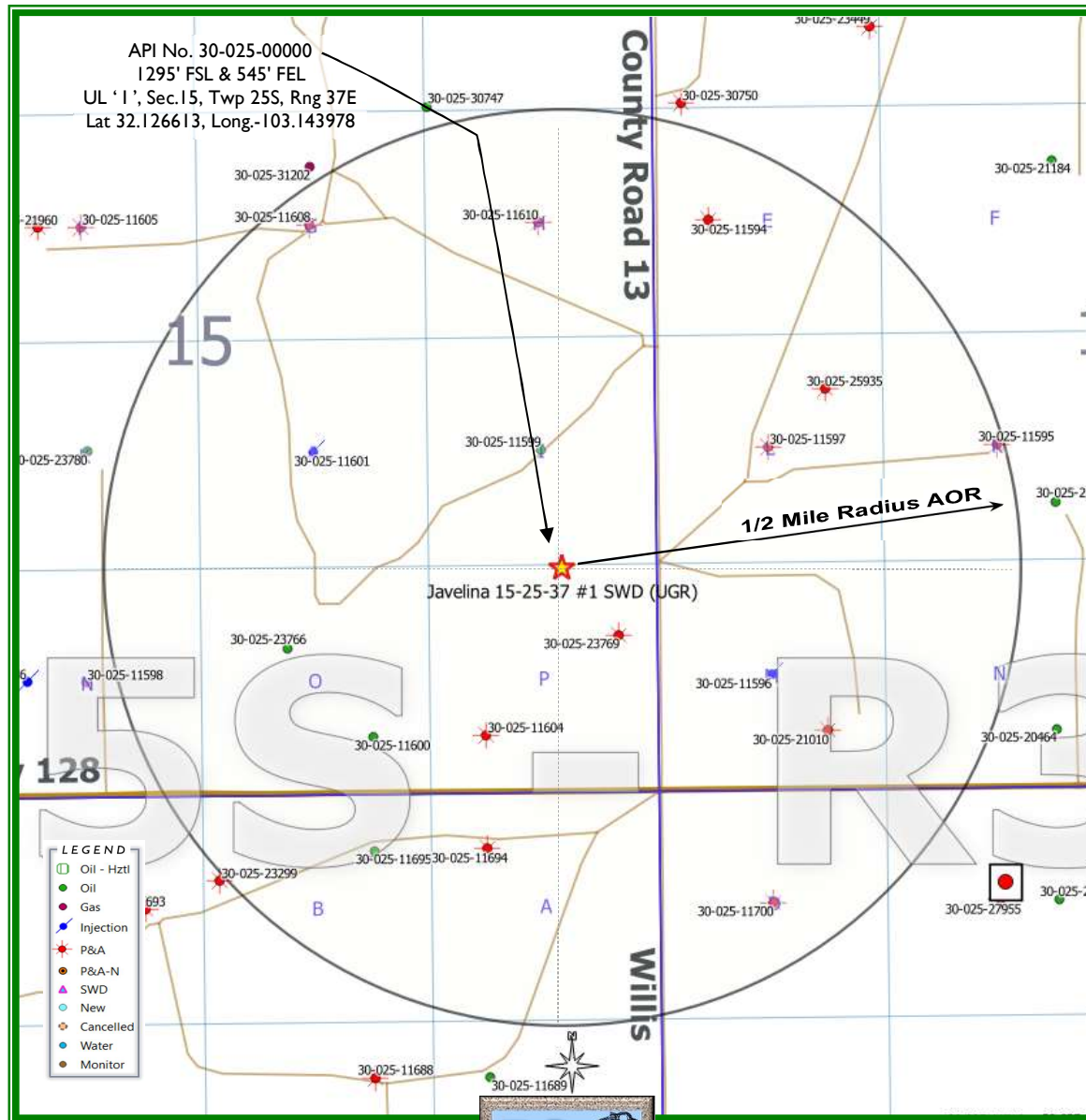
Javelina 15-25-37 #1 SWD - Area of Review / 2 Miles

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

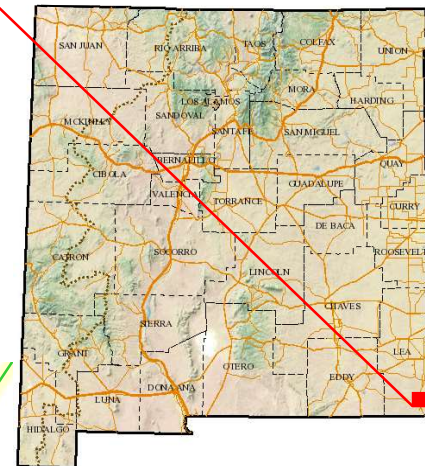
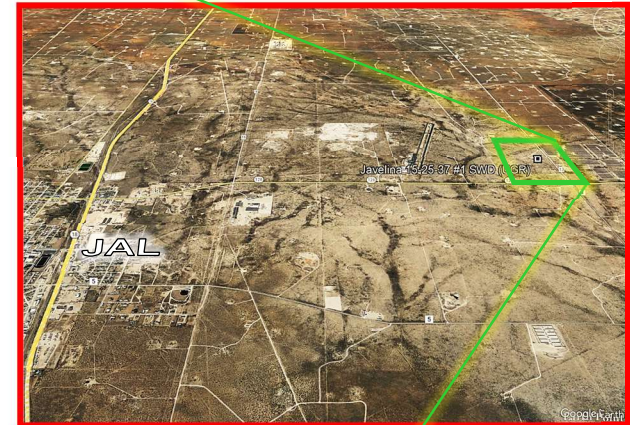


Javelina 15-25-37 #1 SWD - Area of Review / Overview Map

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



~2.9 miles E/NE of Jal, NM



Lea County, New Mexico



Form C-108 Item VI - Tabulation of AOR Wells

API	Top of Proposed SAN ANDRES Interval 3550'				4 Wells Penetrate Proposed Interval.				
	Current Operator	Well Name	Type	Status	ULSTR	Lease	Depth (V)	Spud Dt.	Plug Dt.
<u>Subject Well</u>									
30-025-xxxxx	BC&D Operating, Inc.	Javelinla 15-25-37 SWD #1	SWD	New	I-15-25S-37E	Private	4800'	~5/01/2024	
<u>Section 14 Wells</u>									
30-025-23299	PRIZE OPERATING COMPANY	LANGLIE MATTIX QUEEN UNIT #028	Injection	P&A-R	K-14-25S-37E	Private	3516'	11/25/1969	6/25/2001
30-025-23766	BXP Operating, LLC	LANGLIE MATTIX QUEEN UNIT #038	Oil	Active	L-14-25S-37E	Private	3550'	5/13/1971	
7 RVRS-Q-GRBG Perfs: 3308'-3364'; 8.625" @ 1020 w/ 600 sx, circ.; 5.5" @ 3550' w/ 850 sx, circ. to surface.									
30-025-11608	PRIZE OPERATING COMPANY	LANGLIE MATTIX QUEEN UNIT #016	Oil	P&A-R	L-14-25S-37E	Private	3383'	3/6/1937	12/28/2000
30-025-11601	BXP Operating, LLC	LANGLIE MATTIX QUEEN UNIT #019	Injection	Active	M-14-25S-37E	Private	3560'	3/20/1937	
7 RVRS-Q-GRBG-SA OH: 3272'-3560'; 9.625" @ 1238 w/ 600 sx, circ.; 7.0" @ 3271' w/ 125 sx, est. TOC @ 1753'.									
30-025-11695	BXP Operating, LLC	LANGLIE MATTIX QUEEN UNIT #029	Oil	Active	M-14-25S-37E	Private	3410'	10/14/1936	12/31/9999
<u>Section 15 Wells</u>									
30-025-11600	BXP Operating, LLC	LANGLIE MATTIX QUEEN UNIT #024	Oil	Active	G-15-25S-37E	Private	3375'	4/30/1937	
30-025-11604	PRE-ONGARD WELL OPERATOR	PRE-ONGARD WELL #025	Injection	P&A-R	H-15-25S-37E	Private	3400'	6/22/1937	7/11/1986
30-025-11694	LINN OPERATING, LLC.	LANGLIE MATTIX QUEEN UNIT #030	Oil	P&A-R	I-15-25S-37E	Private	3400'	12/31/9999	3/15/2017
30-025-11599	BXP Operating, LLC	LANGLIE MATTIX QUEEN UNIT #020	Oil	Active	J-15-25S-37E	Private	3389'	12/31/1937	
30-025-11610	PRIZE OPERATING COMPANY	LANGLIE MATTIX QUEEN UNIT #017	Injection	P&A-R	O-15-25S-37E	Private	3364'	2/16/1938	8/6/2001
30-025-23769	PRIZE OPERATING COMPANY	LANGLIE MATTIX QUEEN UNIT #039	Injection	P&A-R	O-15-25S-37E	Private	3450'	7/8/1971	6/27/2001
30-025-11594	MERIT ENERGY COMPANY, LLC	LANGLIE MATTIX QUEEN UNIT #018	Oil	P&A-R	P-15-25S-37E	Private	3427'	1/1/1900	1/1/1900
30-025-11597	PRIZE OPERATING COMPANY	LANGLIE MATTIX QUEEN UNIT #021	Injection	P&A-R	P-15-25S-37E	Federal	3418'	7/18/1938	7/2/2001
<u>Sections 22 & 23 Wells</u>									
30-025-11700	PRIZE OPERATING COMPANY	LANGLIE MATTIX QUEEN UNIT #031	Injection	P&A-R	A-22-25S-37E	Private	3361'	10/9/1936	6/20/2001
30-025-11596	BXP Operating, LLC	LANGLIE MATTIX QUEEN UNIT #027	Injection	Active	B-22-25S-37E	Federal	3375'	7/30/1937	
30-025-25935	PRE-ONGARD WELL OPERATOR	PRE-ONGARD WELL #006	Oil	P&A-R	B-22-25S-37E	Federal	6120'	1/1/1900	4/20/1982
P&A diagram attached.									
30-025-21010	PRE-ONGARD WELL OPERATOR	PRE-ONGARD WELL #005	Oil	P&A-R	D-23-25S-37E	Federal	5730'	1/1/1900	10/28/1971
P&A diagram attached.									
30-025-11595	El Paso Natural Gas Company, L.L.C	LANGLIE A FEDERAL #002	Oil	P&A-R	K-14-25S-37E	Federal	3270'	12/31/9999	12/6/1976

SUMMARY: 4 wells penetrate the proposed disposal interval, 2 P&A'd.



C-108 ITEM VI

AOR Well Information

Plugged Well Schematics

There are 2 P&A'd Wells Within the AOR Which Penetrate the Proposed Injection Zone.

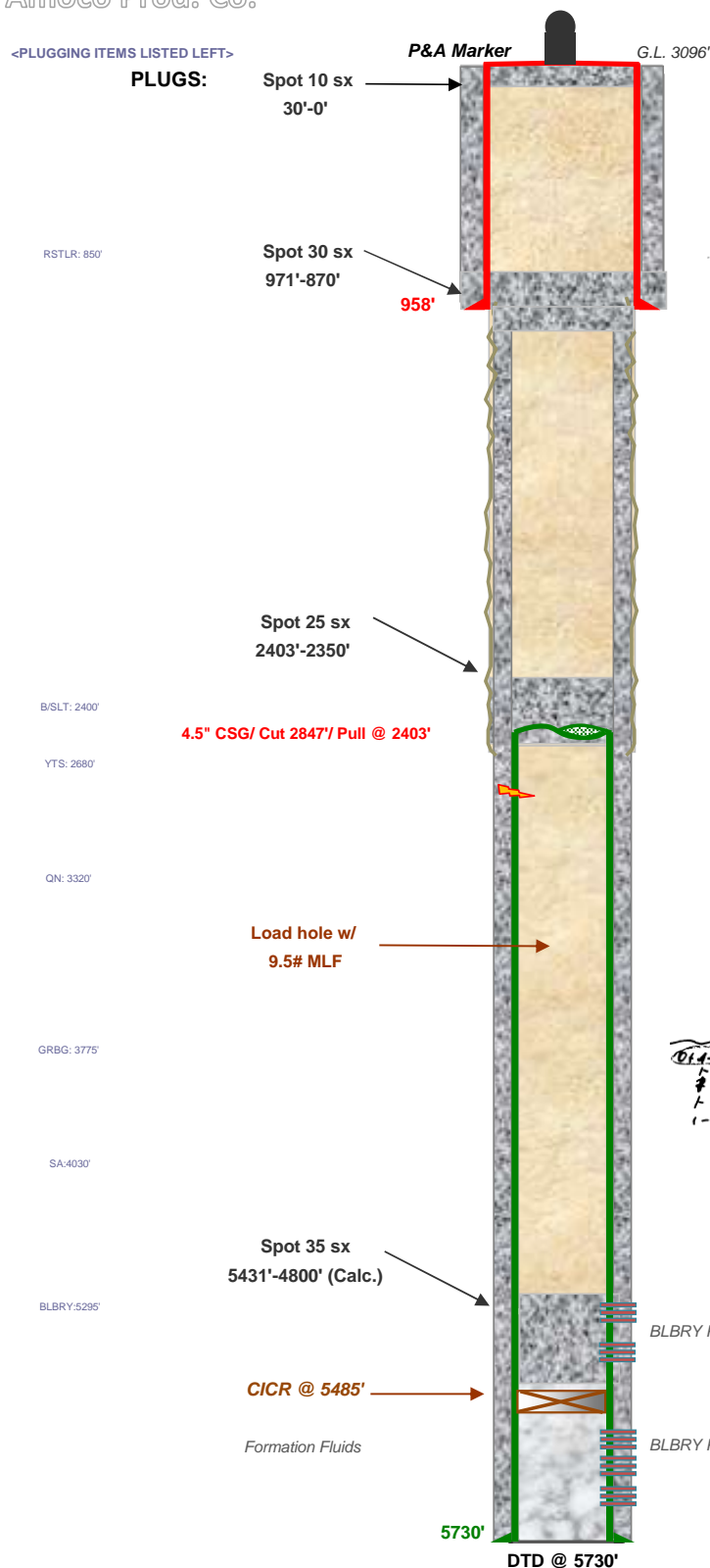
30-025-21010

30-025-25935

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

Spud Date: Early 1960s (?)
P&A Date: 10/28/1971

Well Plugged by:
Amoco Prod. Co.



UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY		SURVIT IN TRILICATE (OTHER INSTRUMENTS AND VERSE SIDE)	Form approved, Bureau No. Geographic and Topographic Division LC-0325-11 U.S. GOVERNMENT PRINTING OFFICE 1954 O - 540,000
SUNDRY NOTICES AND REPORTS ON WELLS (Do not use this form for proposals to drill or to deepen or plug back at a different reservoir. Use APPLICATION FOR PERMIT— for such proposals.)			
1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/>			7. UNIT AGREEMENT NAME
2. NAME OF OPERATOR Amoco Production Company			8. FARM OR LEASE NO.
3. ADDRESS OF OPERATOR Box 68, HOBBS, N.M. 88240			LANDFILE # 88-1
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) 330' FSL x 990' FWL Sec 14 (Unit M, SW 1/4 NW 1/4)			9. FIELD AREA, BLK. OR WELL NO. NISTS BLINE BLK. 5
5. PERMIT NO.	11. ELEVATION (Show whether ft., m., etc.) 3103' RDB	12. COUNTY OR PARISH LEA	
Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data NOTICE OF INTENTION TO: SUBSEQUENT REPORT BY:			
TEST WATER SHUT-OFF <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> SHOOT OR ACTIVATE <input type="checkbox"/> REPAIR WELL <input type="checkbox"/> (Other) _____	PELL OR ALTER CABLES <input type="checkbox"/> MULTIPLE COMPLETE ABANDON* <input type="checkbox"/> CHANGE PLANS <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/> FRACTURE TREATMENT <input type="checkbox"/> SHOOTING OR ACIZING (Other) _____	REPAIRING WELL <input type="checkbox"/> TESTING CASING <input type="checkbox"/> ABANDON* <input type="checkbox"/>
*NOTE: Report results of multiple completion on Well Completion or Completion Report and Log Form.			
17. DEARLY INFORMED OF COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of completion work, if it is discontinuously drilled, the substantial locations and measured true vertical depth of well completed and plugged.) Physical abandonment of well concluded 10-24-72 as follows: Loaded hole w mud- Spotted 35 sq cement plug (5431'-5298') to cover gyps. Just casing @ 2847' and pulled from 2535' spotted 25 sq. cement plug @ 2543' " 30 " @ 977' (9% CASING) " 10 " @ surface & erected Pt A marker Final cleanup shall be made and ground restored to contours. 8" CSA 951'-enc 4 1/2" CSA 5730'-925 ex			
I hereby certify that the foregoing is true and correct			
SIGNED _____	TITLE AREA SUPERINTENDENT	DATE 10-28-	
(This space for Federal or State office use)			
APPROVED BY _____	TITLE _____	DATE _____	
REASON FOR APPROVAL, IF ANY: _____			
JUN 5 1972 J. L. GARDON REGIONAL ENGINEER			

Drawn by: Ben Stone, 12/03/2023



PLUGGED WELL SCHEMATIC

Langlie B Federal Well No.6

API 30-025-25935

2310' FSL & 990' FWL, 'L' SEC. 14-T25S-R37E
LEA COUNTY, NEW MEXICO

Spud Date: 6/16/1978

P&A Date: 2/06/1981

Well Plugged by:
Amoco Prod. Co.

<PLUGGING ITEMS LISTED LEFT>

PLUGS:

Spot 15 sx
50'-0'Spot 25 sx
1000'-900'Spot 25 sx
2403'-2350'

4.5" CSG/ Cut 2847'/ Pull @ 2403'

Spot Cmt
3500'-3400'Load hole w/
9.5# MLFSpot 35 ft
5670'-5635'CICR @ 5670'
(Cap w/ 10' Sand)

Formation Fluids

P&A Marker

G.L. 3108'

<PRE-P&A EXISTING ITEMS LISTED RIGHT>

Surface Casing

8.625", 24.0# csg. (12.25" Hole) @ 998'

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

<P&A SUBSEQUENT SUNDRY>

Form 9-331
Dec. 1973UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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 Form 9-331-C for such proposals.)

1. OIL ☒ GAS ☐ OTHER ☐2. NAME OF OPERATOR
Amoco Production Company3. ADDRESS OF OPERATOR
P. O. Box 68, Hobbs, New Mexico 88240

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)

AT SURFACE: 2310' FSL 990' FWL, Sec. 14

AT TOP PROD. INTERVAL: (Unit L, NW/4, SW/4)

AT TOTAL DEPTH:

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

REQUEST FOR APPROVAL TO:
TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
CHANGE ZONES ☐
ABANDON* ☐
(other) ☐

SUBSEQUENT REPORT OF:

N. M. STATE COMMISSION
P. O. BOX 1030
MORGAN, NEW MEXICO 88240
Form Approved
Budget Bureau No. 47-014245. LEASE
LC-0325511-b

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Langlie B Tract 1 Federal

9. WELL NO. 6

10. FIELD OR WILDCAT NAME
Justis Tubb11. SEC. T., R., M., OR BLK. AND SURVEY OR AREA
14-25-3712. COUNTY OR PARISH 13. STATE
Lea NM

14. API NO.

15. ELEVATIONS (SHOW OF, KDB, AND WD)
3108.3 GR

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

On 2-6-81 moved in service unit. Pulled rods and tubing. Ran CIBP set at 5670' and capped with 35' of cement. Spotted a class C cement plug from 3400' to 3500'. Spotted a 25 sack class C plug across 8-5/8" casing seat at 998'. Spotted 15 sack surface plug. Installed P & A marker and moved out service unit 2-10-81.

0+6-USGS, R 1-Hou 1-DMF 1-W. Stafford, Hou 1-Hou

Subsurface Safety Valve: Manu. and Type Set @ _____ Ft.

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

SIGNED Mark Truman TITLE Assist. Admin. Analyst 4-20-82

APPROVED _____ (This space for Federal or State office use)

APPROVED BY _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY: NOV 8 1982

FOR JAMES A. GILHAM

NATIONAL ENGINEERING See Instructions on Reverse Side

BLBRY Perfs: 5252'-5650' (SQZ'd)

Production (Int.) Casing

4.5", 14.0 % 15.5# Csg. (7.875" Hole) @ 6120' w/ 1400 s
Circ. 20 sx to pit

TUBB Perfs: 5678'-5840'

DTD @ 6120'

Drawn by: Ben Stone, 12/03/2023

SOS Consulting, LLC

C-108 ITEM VII – PROPOSED OPERATION

The Javelina 15-25-37 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 710 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	
		Sample ID	4425
Well Name	A B REEVES	Sample No	
	002		
Location	ULSTR 29 20 S 37 E	Lat / Long	32.54547 -103.27965
	1980 N 660 W	County	Lea
Operator (when sampled)			
	Field EUMONT	Unit	E
Sample Date		Analysis Date	
Sample Source	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.)



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 1 012	Sample ID	3029
		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 Source	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.)



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 Source	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.)



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 001	Sample ID	4013
		Sample No	
Location	ULSTR 26 22 S 37 E	Lat / Long	32.36184 -103.12585
	2310 S 330 E	County	Lea
Operator (when sampled)			
	Field BLINEBRY	Unit	I
Sample Date		Analysis Date	
	Sample Source 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_	
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 Source	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_	
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 002	Sample ID	4296
		Sample No	
Location	ULSTR 30 23 S 34 E 660 S 3300 E	Lat / Long	32.27001 -103.51086
		County	Lea
Operator (when sampled)			
	Field SWD	Unit	N
Sample Date		Analysis Date	
	Sample Source 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.)



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 Source	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_	
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 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.

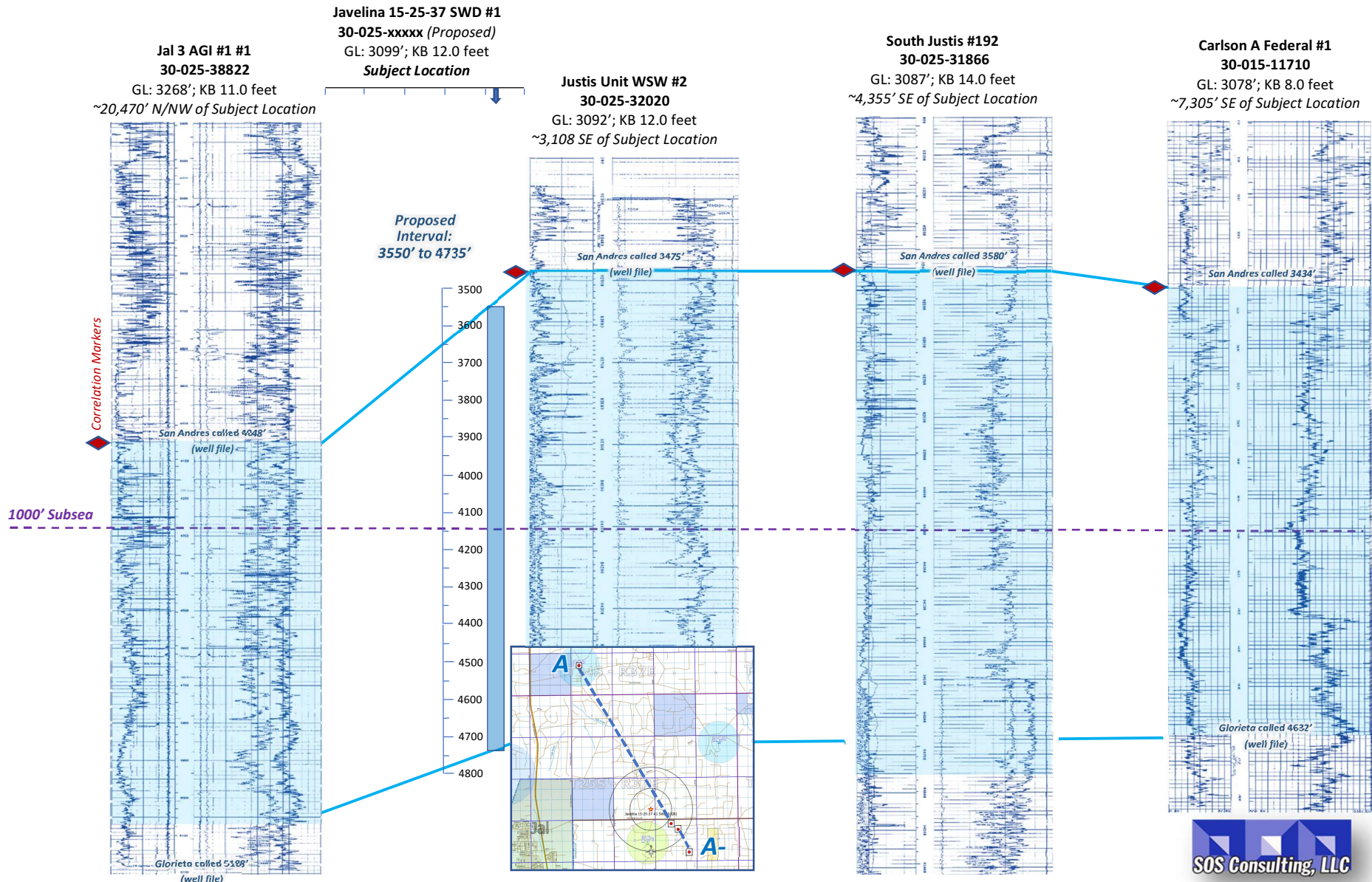
New logs will be run to positively identify the target intervals within the described maximum top and bottom depths.

Cross-Section follows...

BC&D Operating, Inc. – Javelina 15-25-37 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 is 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 3550 feet to 4735 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 4 active producing wells and 2 injection wells within one-half mile of the proposed SWD.

e-Permitting

C-108 Submittal

Attachment Category

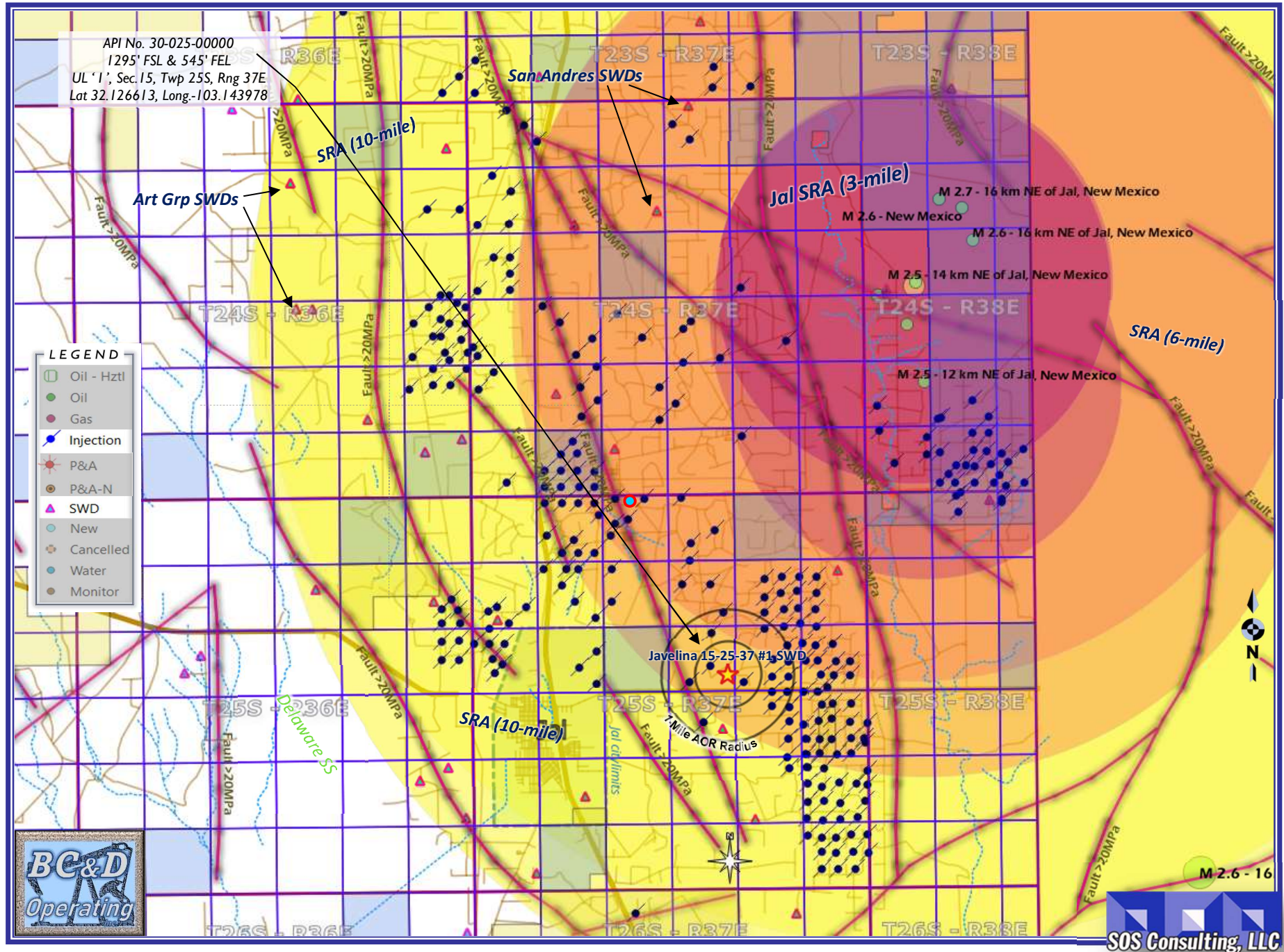
Seismicity Analysis

For High Volume Devonian Wells

NOT APPLICABLE TO THIS SHALLOW SWD PROSPECT

Javelina 15-25-37 #1 SWD – Regional Map Seismic Features

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



C-108 ITEM XI

Water Wells within Area of Review
and
Groundwater Information for Area

Water Well Map – 1-Mile Area of Review

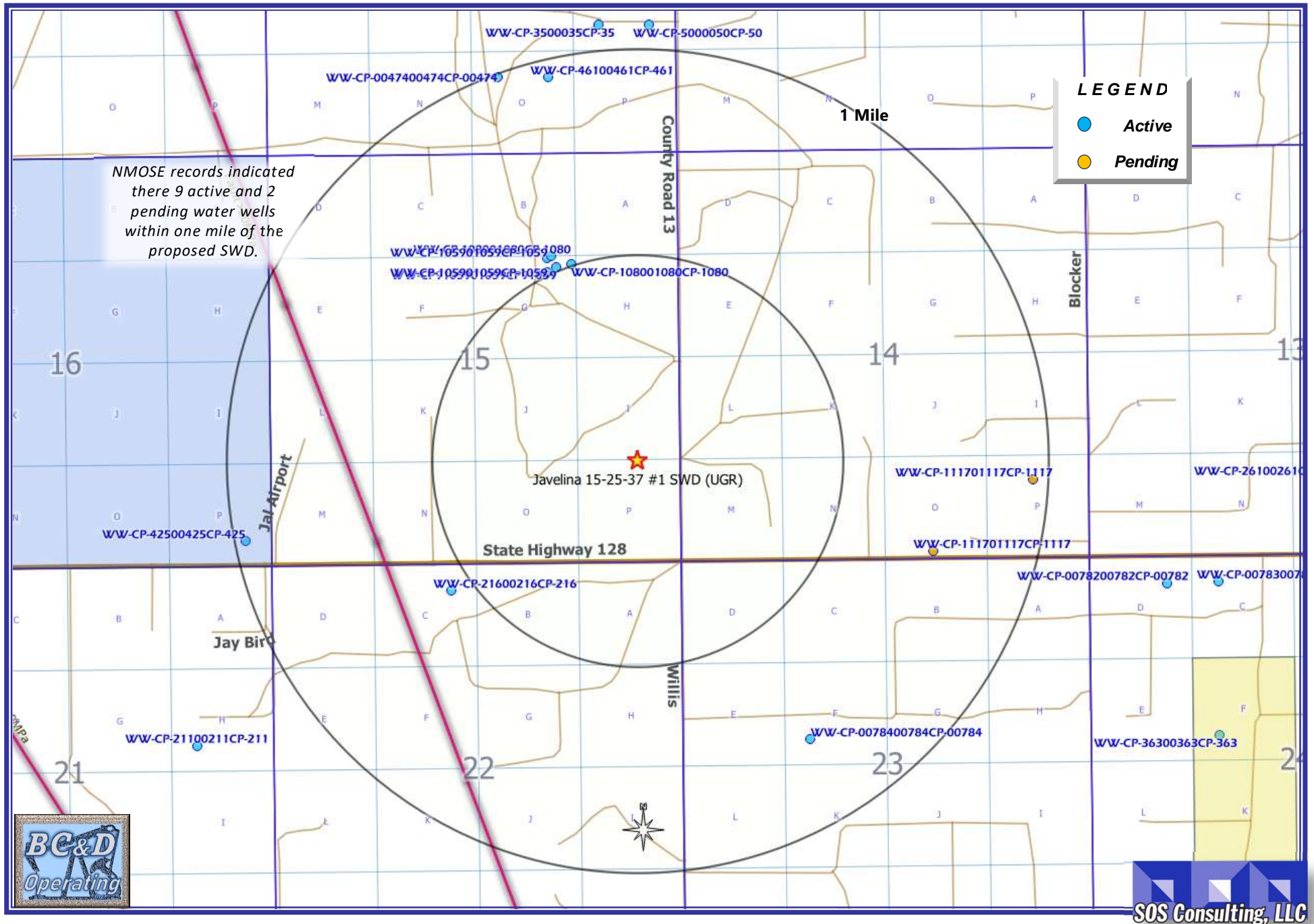
Fresh Water Analysis if Applicable

(Note: FW analysis is from a representative, nearby water well.)

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

Javelina 15-25-37 #1 SWD – 1-Mile AOR Water Wells

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





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,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is fluid and cursive, with the first name "Celey" and last name "Keene" clearly distinguishable.

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, 88241Project: JAVELINA SWD #1
Project Number: JAVELINA 9-25-37 #1 SWD
Project Manager: DONNIE HILL JR.
Fax To: (575) 942-2005Reported:
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



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

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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							
----------	----	------	------	--	--	--	--	--	--	--

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

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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
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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	
-----	-----	------	------	--	-----	--	--	------	----	--

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			
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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, 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
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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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Celey D. Keene, Lab Director/Quality Manager



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

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A handwritten signature in cursive script, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



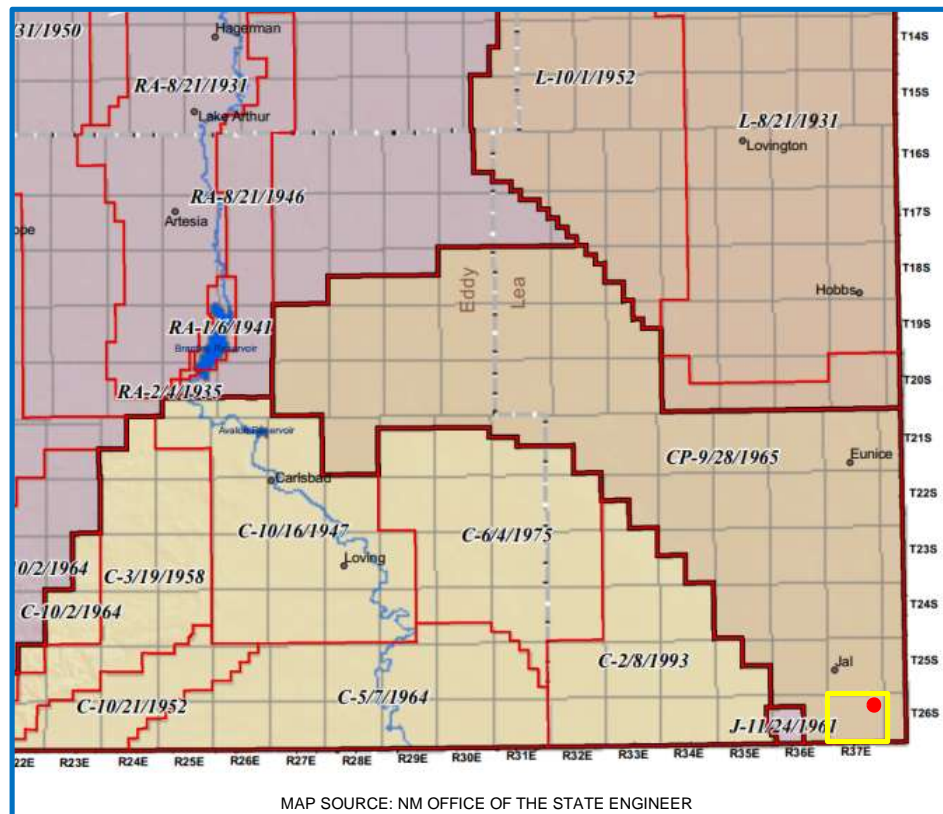
101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: BC&D OPERATING, Inc. Project Manager: Donnie Hill Jr Address: PO 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			
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 analysis. 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 consequential 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 Jr Date: 9/5/2023 Time: 12:03 PM Relinquished By: Date: Time: 		Received By: Donnie Hill Jr Date: 9/5/2023 Time: 11:00 AM Received By: Date: Time: 		Remarks: Donnie Hill Jr chills & well consultant room	
Delivered By: (Circle One) Sampler - UPS - Bus - Other: Bus Observed Temp. °C: 26.6 Corrected Temp. °C: 				Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Bacteria (only) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Turnaround Time: Standard Rush <input type="checkbox"/> Thermometer ID #140 <input checked="" type="checkbox"/> Bacteria (only) <input type="checkbox"/> Correction Factor 0°C <input checked="" type="checkbox"/> Cool Intact <input type="checkbox"/> Observed Temp. °C: Corrected Temp. °C: 		CHECKED BY: (Initials) VP		Add'l Phone #: 	

C-108 - Item XI

Groundwater Basins - Water Column / Depth to Groundwater



The subject well is located within the Capitan Basin, 2 townships east of the Carlsbad Basin.

Fresh water in the area is generally available from the Ogallala; High Plains Aquifer. State Engineer's records show water wells in 26S-37E with an average depth to water at 212 feet.

There is one (1) water well located within one mile of the proposed SWD and the analysis is included.



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 11-25-37 and 15-25-37
Reviewed 12/03/2023

C-108 ITEM XIII – PROOF OF NOTIFICATION

IDENTIFICATION AND NOTIFICATION OF AFFECTED PARTIES

Exhibits for Section

Affected Parties Map

List of Affected Parties

Notification Letter to Affected Parties

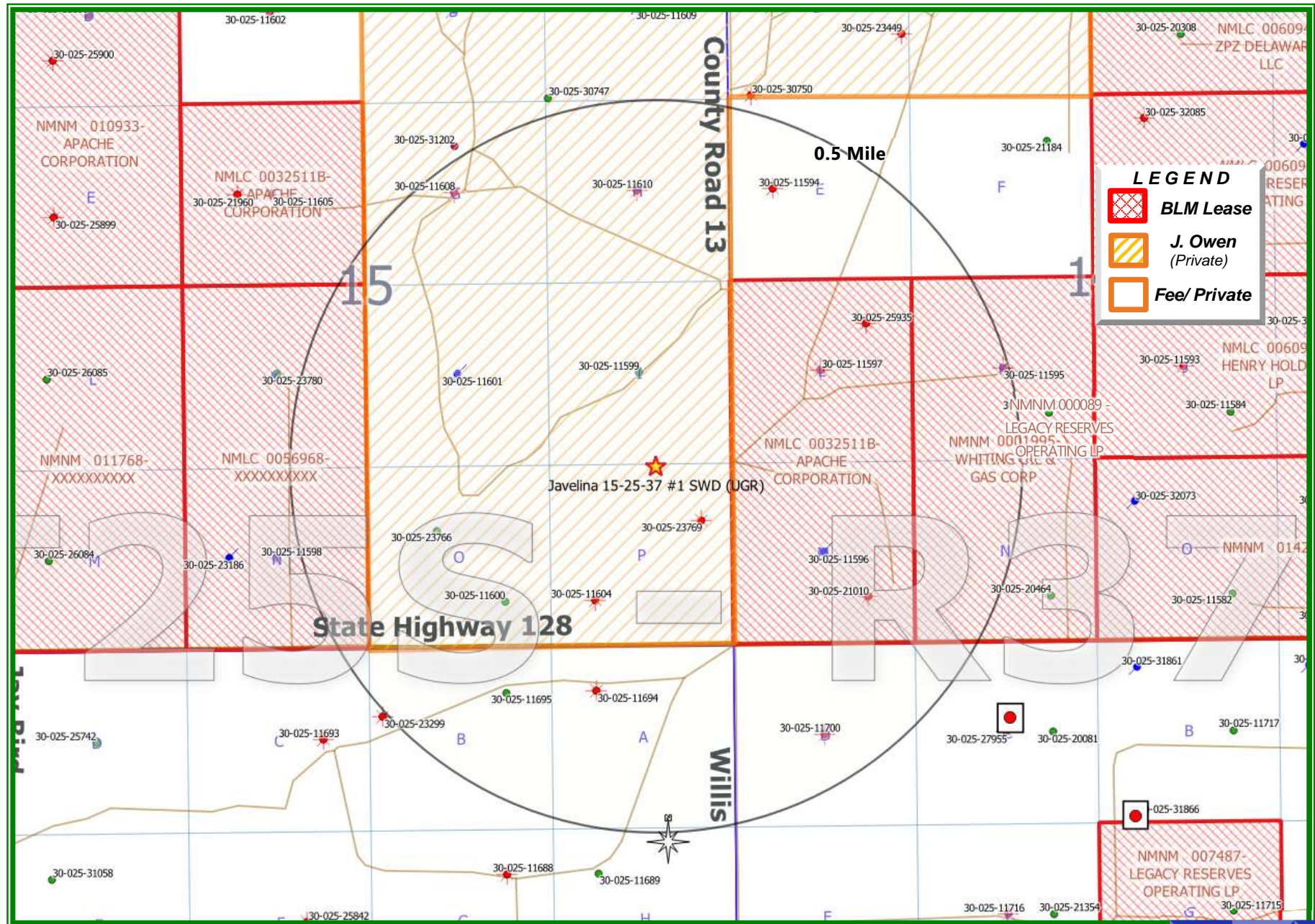
Instructions for PDF Document Access

Proof of Certified Mailing

Affidavit Published Legal Notice

Javelina 15-25-37 SWD #1 – 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 8241	<input checked="" type="checkbox"/>

OFFSET MINERALS LESSEES and/ or OPERATORS

2	LEGACY RESERVES OPERATING 15 Smith Rd., Ste.3000 Midland TX 79705	7018 2290 0001 2038 8272	<input checked="" type="checkbox"/>
3	BXP OPERATING, LLC 11757 Katy Fwy, Ste.475 Houston, TX 77079-1761	7018 2290 0001 2038 8289	<input checked="" type="checkbox"/>

REGULATORY

	NM OIL CONSERVATION DIVISION 1220 S. St. Francis Dr. Santa Fe, NM 87505		
4	U.S. DEPARTMENT OF INTERIOR Bureau of Land Management Oil & Gas Division 620 E. Greene St. Carlsbad, NM 88220	7018 2290 0001 2038 8296 <i>Filed via OCD Online e-Permitting</i>	<input checked="" type="checkbox"/>



December 14, 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 15-25-37 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 15, 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 4,900 feet into the San Andres formation. Following is the notice published in the Hobbs News-Sun, Hobbs, New Mexico on or about December 7, 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 15-25-37 SWD #1 (API No.30-025-TBD). The well will be located 1295 feet from the South line and 545 feet from the East line (Unit P) of Section 15, 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 3550' to 4735' at a maximum surface pressure of 710 psi, maximum daily rate of 15,000 bwpd and an average rate of 12,500 bwpd. The subject SWD well is located approximately 3.0 miles east/ 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,

A handwritten signature in black ink, appearing to read 'Ben Stone'.

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

Cc: Application File

C-108 - Item XIV

Proof of Notice (Certified Mail Receipts)

7018 2290 0001 2038 8241

U.S. Postal Service™ CERTIFIED MAIL® RECEIPT Domestic Mail Only	
For delivery information, visit our website at www.usps.com ®.	
Jal, NM 88252	
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Sent To Street and Apt Johnny M. Owen City, State, Zip P.O. Box 1013 Jal, NM 88252	
PS Form 3800 Instructions	

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Sent To Street and Apt LEGACY RESERVES OPERATING City, State, Zip 15 Smith Rd., Ste.3000 Midland TX 79705	
PS Form 3800 Instructions	

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Sent To Street and Apt BXP PARTNERS V LP City, State, Zip 11757 Katy Fwy, Ste.475 Houston, TX 77079-1761	
PS Form 3800 Instructions	

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Sent To Street Bureau of Land Management City, State, Zip Oil & Gas Division 620 E. Greene St. Carlsbad, NM 88220	
PS Form 3800 Instructions	

Affidavit of Publication

STATE OF NEW MEXICO
COUNTY OF LEA

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

Beginning with the issue dated
December 07, 2023
and ending with the issue dated
December 07, 2023.



Publisher

Sworn and subscribed to before me this
7th day of December 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 December 7, 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 15-25-37 SWD #1 (API No.30-025-TBD). The well will be located 1295 feet from the South line and 545 feet from the East line (Unit P) of Section 15, 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 3550' to 4735' at a maximum surface pressure of 710 psi, maximum daily rate of 15,000 bwpd and an average rate of 12,500 bwpd. The subject SWD well is located approximately 3.0 miles east/ 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.
#00285550

67104420

00285550

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 296702

CONDITIONS

Operator: BC & D OPERATING INC. 2702 N. Grimes ST B Hobbs, NM 88240	OGRID: 25670
	Action Number: 296702
	Action Type: [IM-SD] Admin Order Support Doc (ENG) (IM-AAO)

CONDITIONS

Created By	Condition	Condition Date
mgebremichael	None	12/20/2023