

ADDITIONAL INFORMATION

BC&D Operating Inc

SWD-2595

4-16-2026



April 16, 2026

New Mexico Oil Conservation Division
Engineering Bureau, UIC Section
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

Attn: Mr. Phillip Goetze, UIC Program Manager

***Re: Supplemental Information – C-108 Application for BC & D Operating's Javelina 11-25-37
SWD #1 in Lea County, New Mexico***

Dear Mr. Goetze,

SOS Consulting, LLC, on behalf of BC & D Operating, Inc., hereby submits the attached materials as supplemental information in support of the pending C-108 application for the above-referenced proposed SWD.

As part of a recent internal review of the application materials, several items were identified that would benefit from clarification or additional supporting information. The enclosed amendment package addresses those items, including minor corrections to certain application details and the addition of supplemental technical information intended to further support the application record.

The amendment includes a revision to the top of the proposed injection interval based on additional evaluation of historical offset well logs and refined geologic interpretation. The bottom of the injection interval remains unchanged from the original proposal; accordingly, the revised interval remains within the originally proposed and advertised gross injection interval and does not constitute a major modification under UIC guidelines.

These supplemental materials are provided in response to recent guidance and review considerations communicated by the Division regarding San Andres disposal well applications on the Central Basin Platform. It is our intent that the additional information provided herein will assist in advancing the review of these applications toward timely and efficient approval, supporting continued operational development in the area.

These materials are submitted to supplement and strengthen the existing application record and to assist the New Mexico Oil Conservation Division in its review of San Andres disposal well proposals on the Central Basin Platform.

No other aspects of the originally proposed disposal well design or operational plan have been materially changed.

Please feel free to contact me if you have any questions or require any additional information.

Best regards,

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

BC & D Operating, Inc.

Javelina 11-25-37 SWD #1 - C-108

Submitted February 13, 2024

SWD-2595 | App ID: pMSG2404452308

Current Status: Application is in OCD's queue for administrative review.

Amendment Summary: The materials contained in this amendment package were developed as part of an internal review conducted by BC & D Operating, Inc. to address identified items and to supplement the original application with additional supporting information. These updates are intended to facilitate the OCD review process and support timely permit approval, consistent with recent guidance regarding San Andres SWD applications on the Central Basin Platform in southeastern New Mexico.

The amendment also includes a **revised top of the proposed injection interval** based on additional evaluation of historical offset well logs and refined geologic interpretation by a qualified geologist, consistent with current review considerations for San Andres SWD applications in the area.

The **bottom of the injection interval remains unchanged** from the original C-108 proposal; accordingly, the revised interval remains within the originally proposed and advertised gross interval and does not constitute a major modification under UIC guidelines.

Amendment Package Contents:

- Revised Wellbore Diagram
Proposed Wellbore Diagram revised to reflect updated injection intervals, formation tops and well construction detail table. Revised Interval: 3725' to 4760' (Original 3620' to 4760') 745 MSIP
- Revised Lease Map
The original C-108 included a 2-mile AOR map but did not depict all leases within the area. A revised lease map is included to show all leases within the 2-mile radius.
- Corrected AOR Tabulation
The 'sort order' was incorrect on the original tabulation; the corrected exhibit is included herein.
- Packer Diagram
A diagram showing manufacturer, model, and type of packer is to be used in the well is included herein (omitted from the original C-108).
- Improved Groundwater (USDW) Information
The groundwater exhibit has been revised to provide improved clarity and supporting data.

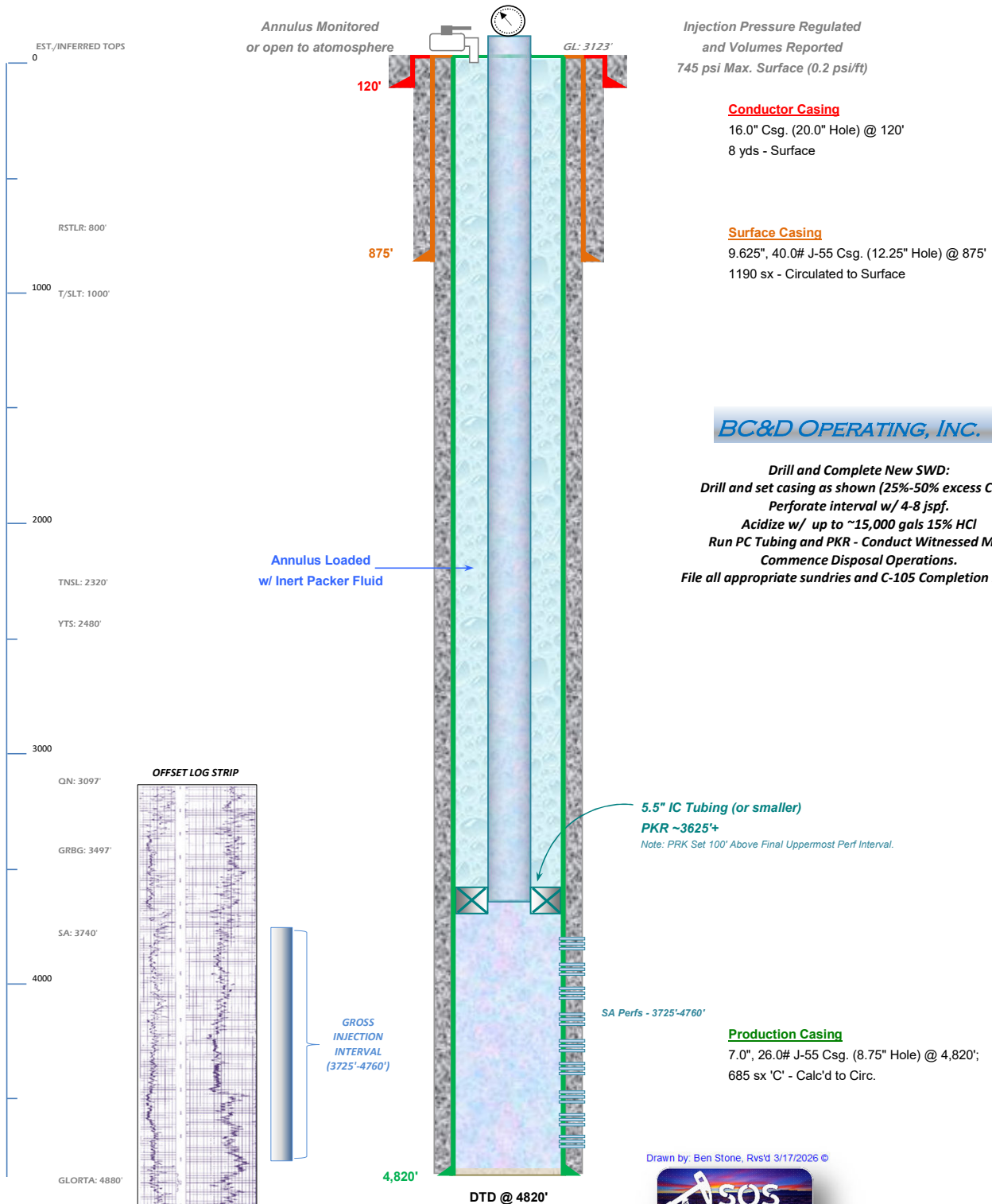


WELL SCHEMATIC - PROPOSED
Javelina 11-25-37 SWD #1

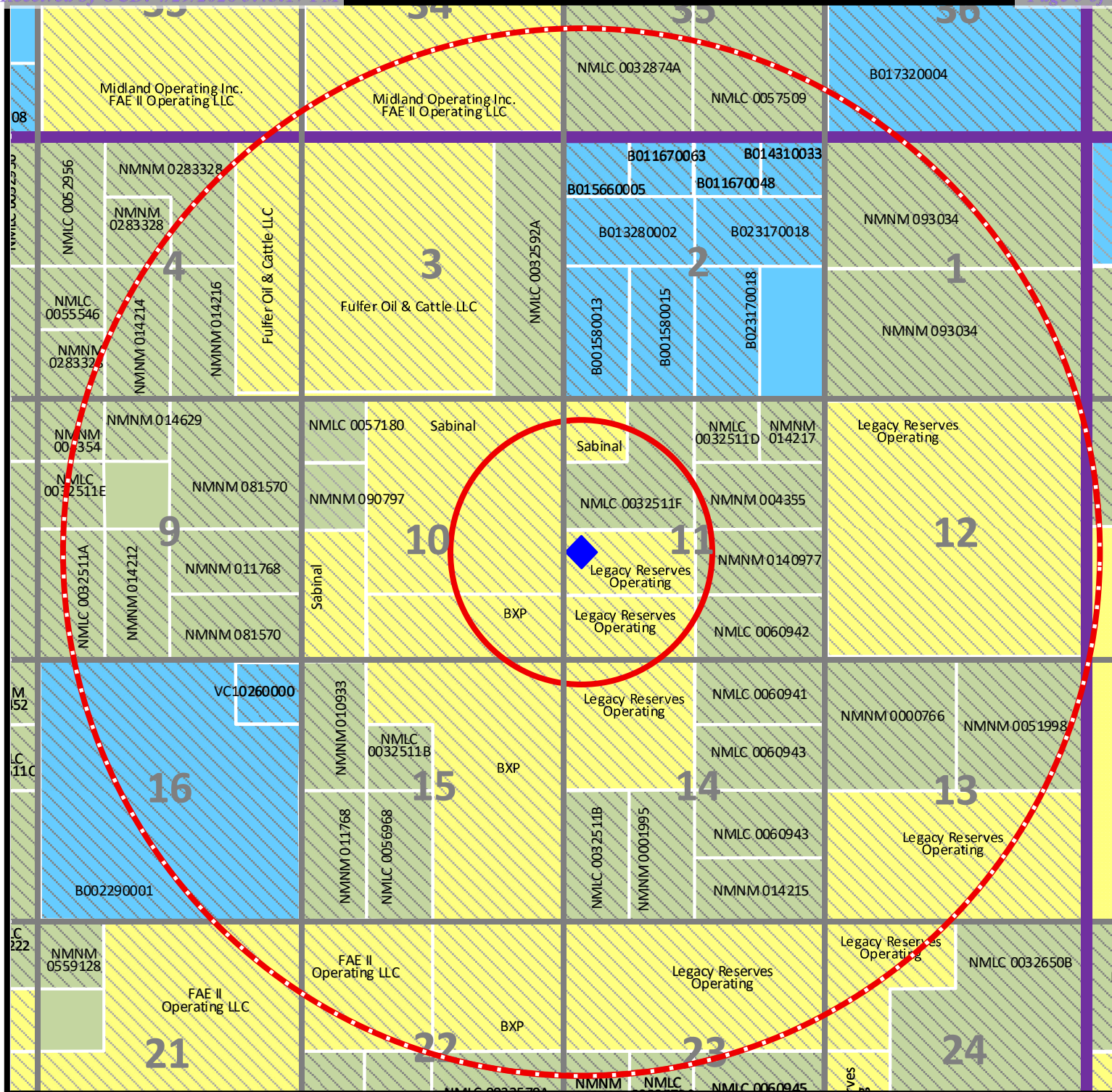
SWD; San Andres (96121)

API 30-025-xxxxx
 2175' FSL & 345' FWL, SEC. 11-25S-R37E
 LEA COUNTY, NEW MEXICO

Spud Date: ~6/01/2026
 Config SWD Dt: ~6/15/2026



String	Size (in)	Weight (lb/ft)	Grade	Hole Size	Set Depth (ft)	Cement
Conductor	16			20	120'	8 yds
Surface	9.675	40.00	J-55	13.375	875'	1190 sx
Production	7	26	J-55	8.5	4820'	685 sx
Tubing	5.5	9.5	N-80	6.276	3625'	PKR



LEGEND

FEDERAL (BLM) MINERALS		STATE (SLO) MINERALS		PRIVATE MINERALS	
LEASED	UNLEASED	LEASED	UNLEASED	LEASED	UNLEASED
	2-MILE RADIUS		1/2-MILE RADIUS		PROPOSED SWD

0 1/8 1/4 1/2 1
MILES

2-Mile Lease Map
Javelina 11-25-37 SWD #1

T25S R35E Lea Co., NM

PREPARED BY:

ACE
Energy Advisors

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.

BC & D Javelina 9#1, 9#1 and 15-25-37 SWD Amendment Packages

<p style="text-align: center;">APACHE CORP. 303 Veterans Airpark Lane, Ste. 3000 Midland, TX 79705-4231</p>	7018 2290 0001 2038 9675	☒
<p style="text-align: center;">BURLINGTON RESOURCES P.O. Box 51810 Midland, TX 79710</p>	7018 2290 0001 2038 9668	☒
<p style="text-align: center;">FULFER OIL AND CATTLE P.O. Box 1224 Jal, NM 87252</p>	7018 2290 0001 2038 9682	☒

Form C-108 Item VI - Tabulation of AOR Wells

Top of Proposed SAN ANDRES Interval 3725'			10 Wells Penetrate Proposed Interval.						
API	Current Operator	Well Name	Type	Status	Lease	ULSTR	Depth (V)	Spud Dt.	Plug Dt.
<i>Subject Well</i>									
30-025-xxxx	BC&D Operating, Inc.	Javelinla 11-25-37 SWD #1	SWD	New	Private	L-11-25S-37E	4820'	~6/01/2026	
<i>Section 10 Wells</i>									
30-025-11526	ENERGEN RESOURCES CORPORATION	STUART LANGLEIE MATTIX UNIT #111	Misc.	P&A-R	Private	A-10-25S-37E	4800'	12/31/9999	5/31/2011 <i>P&A diagram attached.</i>
30-025-09731	Sabinal Energy Operating, LLC	STUART LANGLEIE MATTIX UNIT #117	Injection	Active	Private	G-10-25S-37E	3431'	5/9/1936	
30-025-11524	Sabinal Energy Operating, LLC	STUART LANGLEIE MATTIX UNIT #118	Oil	Active	Private	H-10-25S-37E	3422'	11/14/1937	
30-025-11531	Sabinal Energy Operating, LLC	STUART LANGLEIE MATTIX UNIT #121	Oil	P&A-R	Private	I-10-25S-37E	3469'	3/14/1937	9/14/2017
30-025-22773	ENERGEN RESOURCES CORPORATION	STUART LANGLEIE MATTIX UNIT #128	Injection	P&A-R	Private	I-10-25S-37E	3550'	12/31/9999	1/12/2005
30-025-11530	ENERGEN RESOURCES CORPORATION	STUART LANGLEIE MATTIX UNIT #122	Oil	P&A-R	Private	J-10-25S-37E	3405'	12/31/9999	6/6/2011
30-025-11518	BXP Operating, LLC	LANGLIE MATTIX QUEEN UNIT #007	Injection	Active	Private	P-10-25S-37E	3540'	9/7/1936	
30-025-23863	BXP Operating, LLC	LANGLIE MATTIX QUEEN UNIT #009	Oil	Active	Private	P-10-25S-37E	3550'	9/21/1971	
<i>Section 11 Wells</i>									
30-025-32321	LEGACY RESERVES OPERATING, LP	SOUTH JUSTIS UNIT #110	Oil	Active	Federal	C-11-25S-37E	6150'	3/15/1995	
<i>BLNBRY-TUBB-DRKRD perms: 5143'-6068'; 8.625" (12.25" hole) @ 1065' w/ 550 sx to circ.; 4.5" (7.785" hole)@ 6150' w/ 1700 sx -calc'd to circ.</i>									
30-025-11538	ENERGEN RESOURCES CORPORATION	STUART LANGLEIE MATTIX UNIT #110	Oil	P&A-R	Private	D-11-25S-37E	3446'	3/1/1939	12/11/2012
30-025-11533	ENERGEN RESOURCES CORPORATION	STUART LANGLEIE MATTIX UNIT #119	Injection	P&A-R	Federal	E-11-25S-37E	3452'	12/31/9999	4/8/2014
30-025-20995	LEGACY RESERVES OPERATING, LP	SOUTH JUSTIS UNIT #012	Oil	P&A-R	Federal	E-11-25S-37E	6180'	11/29/1963	12/27/2022 <i>P&A diagram attached.</i>
30-025-11536	ENERGEN RESOURCES CORPORATION	STUART LANGLEIE MATTIX UNIT #120	Injection	P&A-R	Federal	F-11-25S-37E	3430'	1/1/1940	4/10/2014
30-025-20547	LEGACY RESERVES OPERATING, LP	SOUTH JUSTIS UNIT #012	Injection	Active	Federal	F-11-25S-37E	6150'	9/7/1963	
<i>BLNBRY-TUBB-DRKRD perms: 5114'-6113'; 9.625" (12.25" hole) @ 1062' w/ 536 sx to circ.; 7.0" (8.25" hole)@ 6150' w/ 623 sx -TOC 700' by temp.</i>									
30-025-20544	LEGACY RESERVES OPERATING, LP	SOUTH JUSTIS UNIT #013	Oil	P&A-R	Federal	J-11-25S-37E	6150'	12/6/1963	9/30/2008 <i>P&A diagram attached.</i>
30-025-21078	LEGACY RESERVES OPERATING, LP	SOUTH JUSTIS UNIT #013	Injection	Active	Private	K-11-25S-37E	6200'	10/9/1994	
<i>BLNBRY-TUBB-DRKRD perms: 5114'-6177'; 8.625" (12.25" hole) @ 954' w/ 300 sx to circ.; 7.0" (8.75" hole)@ 6200' w/ 460 sx - circ rpt'd.</i>									
30-025-20766	MACK ENERGY CORP	OLSEN STUART #001	Gas	P&A-R	State	K-11-25S-37E	6200'	12/31/9999	11/6/2002 <i>P&A diagram attached.</i>
30-025-11542	PRIZE OPERATING COMPANY	LANGLIE MATTIX QUEEN UNIT #001	Oil	P&A-R	Private	L-11-25S-37E	3410'	7/4/1937	1/2/2001
30-025-20492	CIMAREX ENERGY CO. OF COLORADO	TWO STATES STUART #001	Oil	P&A-R	State	L-11-25S-37E	6200'	12/28/1963	10/7/2003 <i>P&A diagram attached.</i>
30-025-23298	LINN OPERATING, LLC.	LANGLIE MATTIX QUEEN UNIT #002	Injection	P&A-R	Private	L-11-25S-37E	3480'	9/19/1969	12/3/2014
30-025-11539	LINN OPERATING, LLC.	LANGLIE MATTIX QUEEN UNIT #008	Oil	P&A-R	Private	M-11-25S-37E	3409'	12/31/9999	3/21/2017
30-025-21648	V-F PETROLEUM INC	CORRIGAN #001	SWD	P&A-R	Federal	M-11-25S-37E	5554'	12/31/9999	12/10/1990 <i>P&A diagram attached.</i>
30-025-21328	TEAM OPERATING, L.L.C.	SOUTH JUSTIS UNIT #140	Injection	Active	Private	N-11-25S-37E	6240'	3/8/1965	
<i>BLNBRY-TUBB-DRKRD perms: 5150'-6109'; 8.625" (12.25" hole) @ 984' w/ 600 sx to circ.; 5.5" (7.785" hole)@ 6727' w/ 525 sx - TOC @ 2095' by temp.</i>									

SUMMARY: 10 wells penetrate the proposed disposal interval; 6 P&A'd.





Weatherford®

Packer Systems

Arrowset I-XS Mechanical Packer

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

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

Applications

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

Features, Advantages and Benefits

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




Weatherford®

Packer Systems

Arrowset I-XS Mechanical Packer

Specifications

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

Options

- Elastomer options are available for hostile environments.

For internal use

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

C-108 - Item VIII

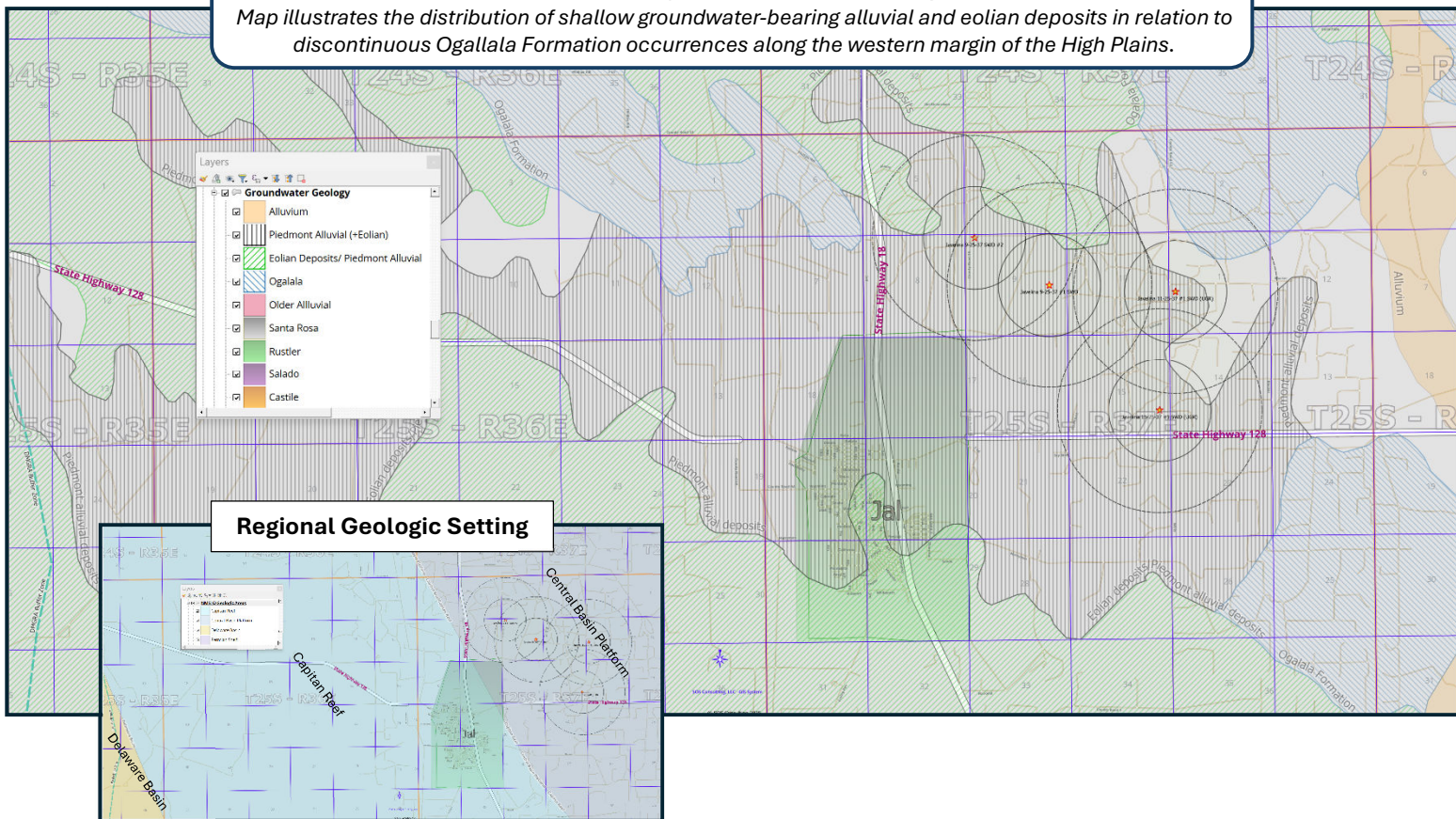
Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such sources known to be immediately underlying the injection interval.

Groundwater Basins - Water Column / Depth to Groundwater

The BC&D project sites are located along the western margin of the High Plains in eastern Lea County, where discontinuous remnants of the Ogallala Formation transition westward into basin-margin piedmont alluvial and eolian deposits. In the vicinity of the proposed sites, shallow groundwater is primarily associated with these unconsolidated sand and gravel materials, which form the principal water-bearing sediments in the area. While small, isolated occurrences of the Ogallala Formation are mapped locally to the east, the more laterally continuous groundwater-bearing units at the project locations consist of piedmont alluvial and eolian deposits.

The project area is located within the Capitan Basin, 2 townships east of the Carlsbad Basin. State Engineer records for the area indicate that groundwater (USDW <10,000 TDS) occurs at moderate depths, with average depths to water of approximately 228 feet below ground surface in Township 26 South, Range 37 East, and approximately 155 feet in the adjacent updip Township 25 South, Range 37 East. This variation reflects the regional groundwater gradient across the High Plains–basin margin transition zone, where depth to water generally decreases to the north and east. There are no known USDWs below the proposed San Andres.

Surface Geology and Groundwater Setting
BC & D Javelina SWD Project Area - Lea County, New Mexico
Map illustrates the distribution of shallow groundwater-bearing alluvial and eolian deposits in relation to discontinuous Ogallala Formation occurrences along the western margin of the High Plains.



**Excerpt from Groundwater Evaluation
Originally prepared by Geolex, Inc. for
BC & D Operating, Inc. - Javelina 26-25-37 #1 C-108**

*The following narrative is reproduced in part from the original report and is **provided as supplemental technical reference for groundwater characterization in the Javelina SWD project area.***

GROUNDWATER HYDROLOGY IN THE VICINITY OF THE PROPOSED INJECTION WELL

Based on the New Mexico Water Rights Reporting System from the New Mexico Office of the State Engineer (NMOSE), there are no water wells within a one-half mile radius of the proposed Javelina 26- 25-37 #1 location. Within a one-mile radius, NMOSE records indicate one water well (CP 00784 POD 1), which sources brine water from the San Andres Formation for use in oil recovery operations and was drilled to a total depth of 4,500 feet. Records indicate there are 46 water wells within a two-mile radius of the proposed SWD location. The nearest well completed in shallow groundwater intervals is located approximately 1.1 miles away, which collects water from approximately 40 to 50 feet, in alluvium and the Triassic rebeds. The following Table 6 summarizes all water wells within one mile of the Javelina 26- 25-37 #1 well.

Table 6. Water wells within one mile of the proposed SWD well (retrieved from the New Mexico Office of the State Engineer's files June 22, 2022)

POD #	Source	Section	Town	Range	Lat. (NAD83)	Long. (NAD83)	Distance (mi)	Total Depth (ft)
CP 00784 POD 1	CP	23	25S	37E	32.116684	-103.136890	0.65	4,500
CP 00216 POD 1*	CP	22	25S	37E	32.122088	-103.151809	1.1	84

***Please note CP 00216 is located greater than one mile from the proposed SWD, however we include information regarding this well as it is the nearest shallow groundwater well to the proposed SWD.**

Shallow freshwater resources in the area of the proposed SWD will be protected as the planned well design isolates shallow intervals via a two-string casing design, including a surface casing that extends to approximately 870 feet within the Rustler Formation, effectively isolating shallow groundwater resources.

The area surrounding the proposed injection well is arid and there are no bodies of surface water within a two-mile radius.

To better understand groundwater quality in the area of the proposed well, Geolex has sent correspondence to water rights owners of record on August 12, 2022, for the nearest water well (CP 00784 POD1), which produced brine for oil recovery operations, and the nearest shallow groundwater well (CP 00216 POD 1), requesting permission to collect and analyze fluid samples representative of the completion interval of each well (Appendix C). Efforts to collect fluid samples are continuing and any additional information will be provided to NMOCD, if and when they are available.

In lieu of groundwater sample collection and chemical analysis, Geolex conducted a review of *Geology and Ground-Water Conditions in Southern Lea County, New Mexico* (Nicholson and Clebsch, 1961) to identify published groundwater data representative of nearby wells (less than 10 miles) from the proposed SWD well. The following Table 7 summarizes these wells and the results of the chemical analyses.

Table 7. Chemical analysis results of samples collected from water wells in the area of the proposed SWD (from Nicholson and Clebsch, 1961, *Geology and Ground-Water Conditions in Southern Lea County, New Mexico*)

Well Name	Sec.	Twn.	Rng.	Depth to water (ft)	Ca (ppm)	Mg (ppm)	Na + K (ppm)	Cl (ppm)	HCO ₃ (ppm)	SO ₄ (ppm)	TDS (ppm)
City of Jal	19	25S	37E	65	102	32	77	168	150	145	685
City of Jal	20	25S	37E	65	34	43	175	54	264	286	759

Our analysis of local groundwater and subsurface geology confirms that the Javelina 26-25-37 #1 well poses no risk of contaminating groundwater in the area as (1) the proposed well design includes material considerations and casing plans designed to protect shallow groundwater resources, (2) cased-hole logging plans will include collection of cement bond logs to verify the integrity of cementing operations, and (3) conduits in the subsurface have been identified that may facilitate migration of injected fluids to freshwater-bearing strata.

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

CONDITIONS

Action 580416

CONDITIONS

Operator: BC & D OPERATING INC. 2702 N. Grimes ST B Hobbs, NM 88240	OGRID: 25670
	Action Number: 580416
	Action Type: [IM-SD] Admin Order Support Doc (ENG) (IM-AAO)

CONDITIONS

Created By	Condition	Condition Date
anthony.harris	None	4/29/2026