Wasserhund Inc.
PO Box 2073
575-369-9909

ANNUAL CLASS III WELL REPORT FOR 2025

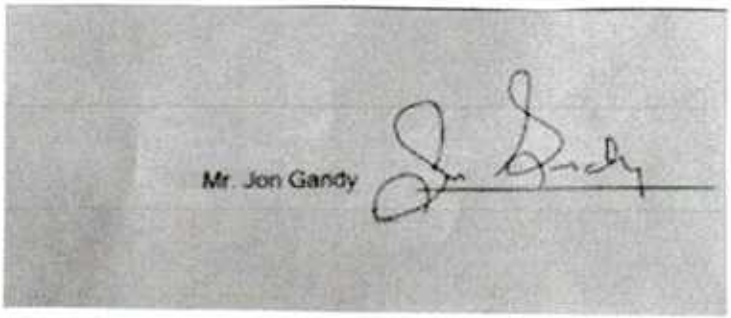
Wasserhund Inc.

Buckeye Brine Station

OCD Permit BW-04

API No. 30-025-26883 Eidson #1

Unit Letter M-Section 31-Ts 16s – R35e



Date: JUNE 1, 2026

Summary of Operations: The Wasserhund brine well BW-04 continues to produce quality brine for drilling operations in the area, but at reduced total production, possibly to recent competition, and or reduced drilling in the immediate area.

Production Volumes and Ratio. Injection production/ comparison chart of injected water to produced water attached herein. **See Appendix A.** Ratio of FW/BW is within permit requirements as required in permit condition 2B.2.b.

In addition, the cone model is included to show the current roof top radius and the D/H calculation.

Injection Pressure Data: 260-280 psig Pressure limit of 315 # is set for this well when operating in the open-hole configuration. This limit protects the formation from premature fracturing during normal operations and testing.

Chemical Analysis: Included in this annual report are the analysis for the brine well and the on-site Monitor well MW-1. **See Appendix B.**

Mechanical Integrity: A casing test was conducted in March of 2022. Chart is located in the OCD file.

Deviations from Normal Production Methods: Normal Flow per OCD.

Leak and Spill Reports: None in 2025.

Area of Review Update Summary: Permit condition 3G. "AREA OF REVIEW (AOR): The Permittee shall report within 72 hours of discovery any new wells, conduits, or any other device that penetrates or may penetrate the injection zone within a 1-mile radius from its Class III well. OCD shall be notified within 24 hours of having knowledge of any wells lacking cement within the cavern interval within a 1/2-mile radius from the Class III well.

Wasserhund's consultant, Price LLC, made a cursory review within one (1) mile and ½ mile radius of the BW-04 Brine Well located in M-31-16s-35e using NMOCD's GIS map tool and OCD well file records. There is a Total of 38 wells located within the BW-04 One Mile AOR and Six (6) wells located in the ½ Mile AOR. **See Appendix C for AOR Maps.**

There currently are no oil and gas production, nor any disposal or injection wells that inject above or within the Salado Salt formation in this area, notwithstanding the BW-04 Brine well. The oil and gas production, and or associated SWD's or injectors are all completed below the Salado Salt section that BW-04 is producing out of.

Therefore, all the wells listed are assumed to be completed through the BW-04 adjacent Salado injection zone formation.

The Six wells within the ½ mile AOR are as follows:

1. API # 30-025-31621. UL L-31-16s-35e. Operator BTA.
2. API# 30-025-35678. UL A (L1)- 1-17s-34e. Operator Unitex Oil & Gas LLC.
3. API # 30-025-37993 UL J-36-16S-34E. Operator BREITBURN OPERATING LP.
4. API#. 30-025-37018 UL O-36-16s-34E Operator UNITEX OIL & GAS, L.L.C
5. API # 30-025-25170. UL O-36-16s-34E. Operator Unitex Oil & Gas LLC.
6. API # 30-025-25146. UL P-36-16s-34E. Operator Redwood Operating – was Lime Rock Resources, No Change of operator found in file. (P&A)

Investigation:

All wells located in the ½ mile AOR was re-investigated due to the current permit conditions that reads as follows:

"OCD shall be notified within 24 hours of having knowledge of any wells lacking cement within the cavern interval within a 1/2-mile radius from the Class III well."

Special Note: It's Wasserhund's understanding that the new anticipated permit will have this requirement. Wasserhund wants to make sure this requirement will be complied to. In the past Wasserhund had generally always complied by the adhearing to the actual requirement found in the WQCC regulations, pertaining to the Area of Review. This requirement was always based on a quarter mile (1/4), not ½ mile. It appears there is a conflict between the current WQCC regulations and the permit condition of ½ mile.

Wasserhund's consultant Price LLC , has on a number of occasions discussed this with the OCD's permit writers and there has been a general understanding that as long as we abide by the rule and there is no major threat to the environment, this would not be an issue.

The six wells listed above were reviewed by finding, downloading and reviewing the Wells C-105s (Well Completion Reports) and some P&A reports C-103s. These reports are attached in **Appendix D** for reference.

Findings:

Wells (1-4) listed above, all showed the operator had installed casing and had performed cement operations. Some of the reports indicated that cement was circulated to surface, while others did not specifically indicate circulation to surface. All of these appeared to have been approved by OCD.

Conclusion: No corrective actions required.

Findings:

The well listed above as #5, appears to have originally been completed without cement behind some of the casing that penetrates the injection zone, i.e. salt zone. Price LLC could not determine precisely if this well is still completed this way. The OCD originally approved the construction of this well.

The well record appears to indicate OCD has run Bradenhead surveys every year for this well with no issues noted. It also appears this well has been TA'd for some time as no C-103 plugging record was found and well has not produced since 2015.

Conclusion:

Wasserhund Inc has no indication of any issue arising from this well, and the distance, i.e. 2200 feet, from the brine well would logically indicate there would continue to be no issues and no corrective actions required.

Findings:

The well listed as #6 above may appear to have originally been completed without cement behind some of the casing that penetrates the injection zone, i.e. salt zone. The construction of this well was approved by OCD.

This well was P&A and OCD gave final Approval. See Appendix D.

Conclusion:

Wasserhund Inc has no indication of any issue arising from this well and the fact OCD required additional cement work to protect fresh water, and final P&A was approved by OCD. There is no corrective action required.

Subsidence/Cavern Volumes/Geometric Measurements

For Subsidence Monitor Surveys See Appendix E.

Solution Cavern Characterization Plan:

Since the BW-04 well never had any logs run, a well log was obtained from a nearby well and annotated to reflect the geophysical characterization of the area lithology. In addition, a well bore schematic is included for reference and a mass

balance was calculated for the 2025 year.

The Solution Cavern Characterization Plan is defined by using the cone method ("Worst Case") to determine the maximum cavern diameter and calculating a volume of the cavern. A mass balance calculation is performed to verify the approximate cavern volumetric size from actual measured volumes of brine produced over the life of the well.

The two are then compared to determine if the volumes are within the OCD allowed variance. The 2025 results are within the limit. See Appendix F for attachments.

The plan also includes the critical d/h calculation, which is *.16 for the 2025* - year report, which is well under the limit of .50 and the current radius of the brine well roof top is approximately 335 ft.

Special Note: New permit conditions now require that the fresh water be injected down the tubing (Normal Flow) in order to prevent cavern enlargement at the top of the cavern. Currently there is no method or model developed to allow for the actual reduction in cavern-enlargement at the top of the cavern. Therefore, the cavern top radius is actually less than what is calculated. This provides an additional safety factor for cavern collapse issues.

Summary of Activities: Normal operations with reduced sales.

Annual Certification: By signing the cover sheet the operator hereby certifies this condition of the permit.

Groundwater Monitoring: Currently have a fresh water supply well in close proximity to brine well. The water from this well has been tested and no significant issues have been noted.

Special Note: Results from groundwater monitor well can be observed in Appendix B. Reports were submitted to OCD via electronic reporting.

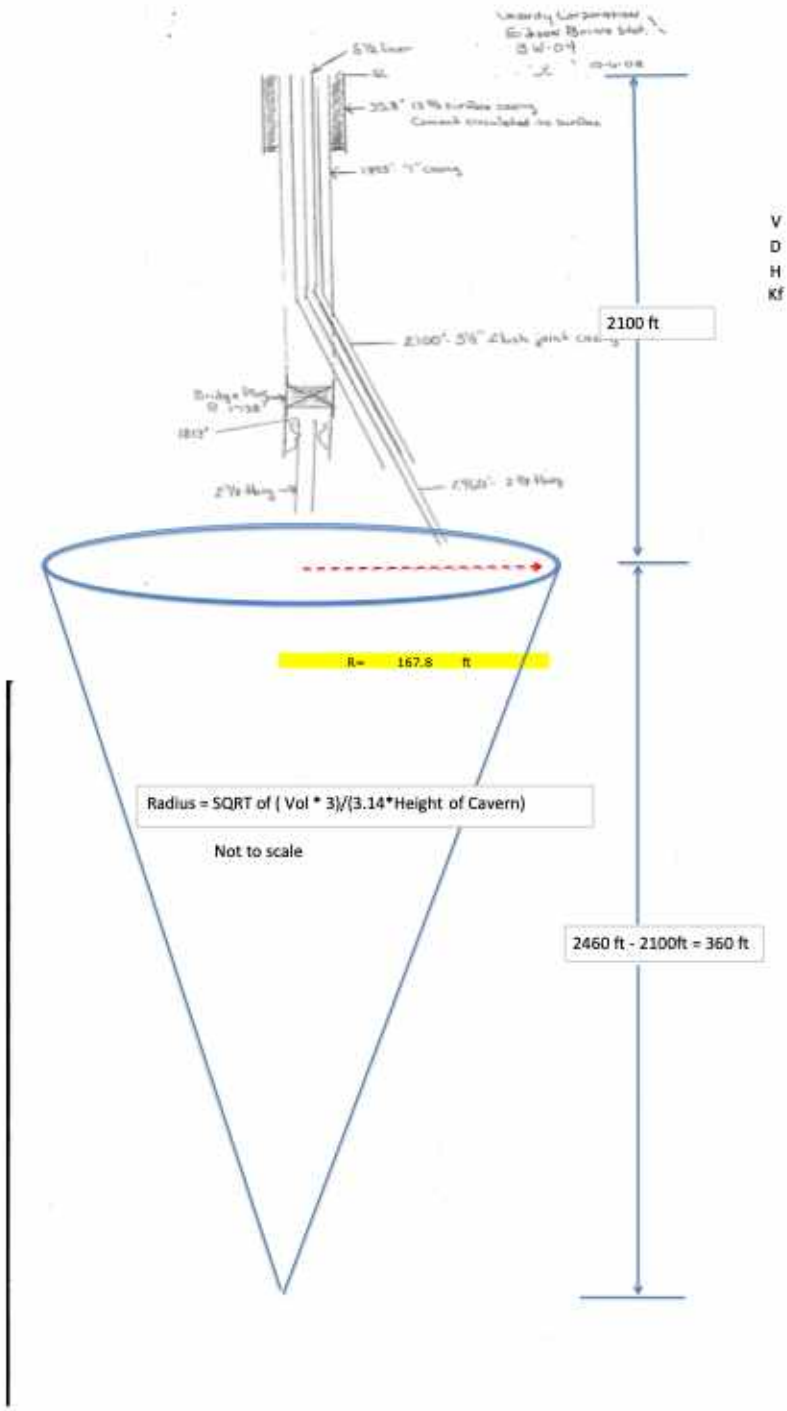
Annual Reporting: Filed in new OCD electronic system.

2019 Current Permit can be found in Appendix "G".

Appendix "A"

Production Volumes and Ratio.

	Wasserhund Inc		OGRID # 8426	API#- 30-025-26883			BW-04		
		Lat	N 32.8731						
		Lon	W -103.5051						
		Legal	M-31-16s-35e						
		Footage	567 FSL	162 FWL					
	2025	**Wasserhund Inc OCD BW-04 Annual Production Data & Comparision Chart**							
							Permit condition 28.2.b		
			Fresh IN		Brine Out		Ratio FW/BW		Injection pressures range from 260-280 psig- Noted if out of bounds
	Jan		31,545.70		28,941.00		109.00%		260-280 psig
	Feb		21,390.80		19,633.60		108.95%		260-280 psig
	Mar		17,510.98		16,124.30		108.60%		260-280 psig
	Apr		14,248.37		13,217.41		107.80%		260-280 psig
	May		6,858.97		6,310.00		108.70%		260-280 psig
	Jun		6,239.02		5,680.10		109.84%		260-280 psig
	Jul		9,234.80		8,436.60		109.46%		260-280 psig
	Aug		8,779.44		8,061.00		108.91%		260-280 psig
	Sept		6,803.90		6,306.30		107.89%		260-280 psig
	Oct		7,872.02		7,364.60		106.89%		260-280 psig
	Nov		18,877.92		17,007.20		111.00%		260-280 psig
	Dec		15,465.10		14,077.10		109.86%		260-280 psig
	Total		164,827		151,159		109.04%	FW/BW	
	Total Fresh Water and Brine Production Carry Over from Years Past	2024	10,533,633	bbls***	10,460,933	bbls	100.69%	FW/BW	
	Total Life Time Production Month/Year Ending	2025	10,698,460	bbls	10,612,092	bbls	100.81%	FW/BW	



2025 Calculations

r=SqRtv(V*3/π*D)

V	Volume	=	10,612,092 bbls
D	Depth	=	360 ft
H	Height	=	2100 ft
Kf	ft3 salt/bbl		1 est
	r	=	167.8 ft
	Diameter		335.64 ft
	D/H=		0.160

Appendix B- Chemical Analysis

1. Fresh Water/Brine Water

2. Monitor Well #1

CARDINAL Laboratories

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

May 21, 2025

LESTER WAYNE PRICE JR

WASSERHUND INC.

P.O. BOX 2140

LOVINGTON, NM 88260

RE: BUCKEYE BRINE STATION BW-04

Enclosed are the results of analyses for samples received by the laboratory on 05/05/25 14:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. 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

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

WASSERHUND INC. P.O. BOX 2140 LOVINGTON NM, 88260	Project: BUCKEYE BRINE STATION BW-04 Project Number: BW-4 Project Manager: LESTER WAYNE PRICE JR Fax To:	Reported: 21-May-25 17:03

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
FRESH	H252669-01	Water	05-May-25 11:00	05-May-25 14:30
BRINE	H252669-02	Water	05-May-25 11:10	05-May-25 14:30

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:

WASSERHUND INC. P.O. BOX 2140 LOVINGTON NM, 88260	Project: BUCKEYE BRINE STATION BW-04 Project Number: BW-4 Project Manager: LESTER WAYNE PRICE JR Fax To:	Reported: 21-May-25 17:03

FRESH

H252669-01 (Water)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride*	**60.0**		4.00	mg/L	1	5050616	AC	06-May-25	4500-Cl-B	
Density	**0.99677**			g/mL	1	5050516	AC	06-May-25	SM 2710F	
pH*	**7.84**		0.100	pH Units	1	5050525	AC	05-May-25	150.1	PH-HT
Temperature °C	**19.1**			pH Units	1	5050525	AC	05-May-25	150.1	PH-HT
TDS*	**388**		5.00	mg/L	1	5050646	HM	08-May-25	160.1	

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:

WASSERHUND INC. P.O. BOX 2140 LOVINGTON NM, 88260	Project: BUCKEYE BRINE STATION BW-04 Project Number: BW-4 Project Manager: LESTER WAYNE PRICE JR Fax To:	Reported: 21-May-25 17:03

BRINE

H252669-02 (Water)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride*	**200000**		4.00	mg/L	1	5050616	AC	06-May-25	4500-Cl-B	
Density	**1.2046**			g/mL	1	5050516	AC	06-May-25	SM 2710F	
pH*	**6.64**		0.100	pH Units	1	5050525	AC	05-May-25	150.1	PH-HT
Temperature °C	**19.8**			pH Units	1	5050525	AC	05-May-25	150.1	PH-HT
TDS*	**311000**		5.00	mg/L	1	5050646	HM	08-May-25	160.1	
Green Analytical Laboratories										
Total Recoverable Metals by ICP (E200.7)										
Lithium	<20.0		20.0	mg/L	200	B251240	AWG	16-May-25	EPA 200.7	
Sodium*	**111000**		500	mg/L	500	B251240	AWG	16-May-25	EPA 200.7	

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:

WASSERHUND INC. P.O. BOX 2140 LOVINGTON NM, 88260	Project: BUCKEYE BRINE STATION BW-04 Project Number: BW-4 Project Manager: LESTER WAYNE PRICE JR Fax To:	Reported: 21-May-25 17:03

Inorganic Compounds - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5050516 - General Prep - Wet Chem										
Duplicate (5050516-DUP1)		**Source: H252645-01**		Prepared & Analyzed: 05-May-25						
Density	1.006		g/mL		1.006			0.00397	20	
Batch 5050525 - General Prep - Wet Chem										
LCS (5050525-BS1)				Prepared & Analyzed: 05-May-25						
pH	7.01		pH Units	7.00		100	90-110			
Duplicate (5050525-DUP1)		**Source: H252669-01**		Prepared & Analyzed: 05-May-25						
pH	7.85	0.100	pH Units		7.84			0.127	20	
Temperature °C	19.2		pH Units		19.1			0.522	200	
Batch 5050616 - General Prep - Wet Chem										
Blank (5050616-BLK1)				Prepared & Analyzed: 06-May-25						
Chloride	ND	4.00	mg/L							
LCS (5050616-BS1)				Prepared & Analyzed: 06-May-25						
Chloride	100	4.00	mg/L	100		100	80-120			
LCS Dup (5050616-BSD1)				Prepared & Analyzed: 06-May-25						
Chloride	104	4.00	mg/L	100		104	80-120	3.92	20	
Batch 5050646 - Filtration										
Blank (5050646-BLK1)				Prepared: 06-May-25 Analyzed: 08-May-25						
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:

WASSERHUND INC. P.O. BOX 2140 LOVINGTON NM, 88260	Project: BUCKEYE BRINE STATION BW-04 Project Number: BW-4 Project Manager: LESTER WAYNE PRICE JR Fax To:	Reported: 21-May-25 17:03

Inorganic Compounds - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5050646 - Filtration										
LCS (5050646-BS1)				Prepared: 06-May-25 Analyzed: 08-May-25						
TDS	510		mg/L	500		102	80-120			
Duplicate (5050646-DUP1)		**Source: H252645-01**		Prepared: 06-May-25 Analyzed: 08-May-25						
TDS	4950	5.00	mg/L		4890			1.10	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:

WASSERHUND INC. P.O. BOX 2140 LOVINGTON NM, 88260	Project: BUCKEYE BRINE STATION BW-04 Project Number: BW-4 Project Manager: LESTER WAYNE PRICE JR Fax To:	Reported: 21-May-25 17:03

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 B251240 - Total Recoverable by ICP										
Blank (B251240-BLK1)				Prepared: 12-May-25 Analyzed: 16-May-25						
Sodium	ND	1.00	mg/L							
Lithium	ND	0.100	mg/L							
LCS (B251240-BS1)				Prepared: 12-May-25 Analyzed: 16-May-25						
Lithium	2.03	0.100	mg/L	2.00		102	85-115			
Sodium	1.57	1.00	mg/L	1.62		96.9	85-115			
LCS Dup (B251240-BSD1)				Prepared: 12-May-25 Analyzed: 16-May-25						
Sodium	1.61	1.00	mg/L	1.62		99.5	85-115	2.66	20	
Lithium	2.04	0.100	mg/L	2.00		102	85-115	0.423	20	
Matrix Spike (B251240-MS1)		**Source: 2505106-01**		Prepared: 12-May-25 Analyzed: 16-May-25						
Lithium	2.06	0.500	mg/L	2.00	0.201	93.0	70-130			
Sodium	503	5.00	mg/L	1.62	527	NR	70-130			M3
Matrix Spike (B251240-MS2)		**Source: 2505110-01**		Prepared: 12-May-25 Analyzed: 16-May-25						
Lithium	2.16	0.400	mg/L	2.00	0.370	89.4	70-130			
Sodium	375	4.00	mg/L	1.62	391	NR	70-130			M3
Matrix Spike Dup (B251240-MSD1)		**Source: 2505106-01**		Prepared: 12-May-25 Analyzed: 16-May-25						
Lithium	1.98	1.00	mg/L	2.00	0.201	89.1	70-130	3.86	20	
Sodium	511	10.0	mg/L	1.62	527	NR	70-130	1.65	20	M3
Matrix Spike Dup (B251240-MSD2)		**Source: 2505110-01**		Prepared: 12-May-25 Analyzed: 16-May-25						
Sodium	386	5.00	mg/L	1.62	391	NR	70-130	3.02	20	M3
Lithium	2.23	0.500	mg/L	2.00	0.370	93.0	70-130	3.22	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

PH-HT	Analyzed outside the EPA recommended hold time of 15 minutes.
M3	Matrix spike recovery did not meet acceptance criteria. Accuracy of the spike is reduced since the analyte concentration in the sample is more than four times the spike level.
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:	WASSER HUND
Project Manager:	LESTER WAYNE PRICE JR
Address:	7 SYCAMORE LN
City:	MALENWOOD State: NM Zip: 88039
Phone #:	505 715 2809 Fax #: NA
Project #:	Project Owner: JOHN MANDY
Project Name:	BW-4
Project Location:	BUCKEYE NM
Sampler Name:	LESTER WAYNE PRICE JR

BILL TO

P.O. #:	
Company:	WASSER HUND
Attn:	JOHN MANDY
Address:	PO Box 2041
City:	LOVINGTON
State:	NM Zip: 88260
Phone #:	575-369-9909
Fax #:	NA

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	pH	DENSITY	TDS	CL	SODIUM + LITHIUM
H253269 1	FRESH 1L	G	1						X		X		5/5/25	11:00 AM	X	X	X	X	
2	BRINE 1L	G	1						X		X		5/5/25	11:10 AM	X	X	X	X	
	BRINE 250 ML HNO3	G	1						X	X	X		5/5/25	11:20 AM					X

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 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:	Date: 5/5/25 Time: 1430	Received By:	
LESTER WAYNE PRICE JR			
Relinquished By:	Date: Time:	Received By:	

Verbal Result: ☐ Yes ☐ No Add'l Phone #:
All Results are emailed. Please provide Email address:

REMARKS: FRESH FROM FRESH TANK
BRINE FROM BRINE TANKS

Delivered By: (Circle One)	Observed Temp. °C 4.1	Sample Condition Cool ☑ Yes ☐ No	Intact ☑ Yes ☐ No	CHECKED BY: (Initials)
Sampler - UPS - Bus - Other:	Corrected Temp. °C 4.4			

Turnaround Time: Standard ☑ Rush ☐
Thermometer ID #140
Correction Factor 0.4°C +0.3°

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

FORM-006 R 3.3 08/05/24

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

CARDINAL Laboratories

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

December 05, 2025

LESTER WAYNE PRICE JR

WASSERHUND INC.

P.O. BOX 2140

LOVINGTON, NM 88260

RE: BUCKEYE BRINE STATION BW-04

Enclosed are the results of analyses for samples received by the laboratory on 11/17/25 15:55.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C25-00101. 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:

WASSERHUND INC. P.O. BOX 2140 LOVINGTON NM, 88260	Project: BUCKEYE BRINE STATION BW-04 Project Number: BW-4 Project Manager: LESTER WAYNE PRICE JR Fax To:	Reported: 05-Dec-25 14:15

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
FRESH	H257229-01	Water	17-Nov-25 13:35	17-Nov-25 15:55
BRINE	H257229-02	Water	17-Nov-25 13:51	17-Nov-25 15:55

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:

WASSERHUND INC. P.O. BOX 2140 LOVINGTON NM, 88260	Project: BUCKEYE BRINE STATION BW-04 Project Number: BW-4 Project Manager: LESTER WAYNE PRICE JR Fax To:	Reported: 05-Dec-25 14:15

FRESH

H257229-01 (Water)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride*	**76.0**		4.00	mg/L	1	5111732	AC	18-Nov-25	4500-Cl-B	
Density	**0.99820**			g/mL	1	5111814	KH	18-Nov-25	SM 2710F	
pH*	**7.53**		0.100	pH Units	1	5111729	KH	17-Nov-25	150.1	PH-HT
Temperature °C	**20.1**			pH Units	1	5111729	KH	17-Nov-25	150.1	PH-HT
TDS*	**355**		5.00	mg/L	1	5111822	KH	20-Nov-25	160.1	

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:

WASSERHUND INC. P.O. BOX 2140 LOVINGTON NM, 88260	Project: BUCKEYE BRINE STATION BW-04 Project Number: BW-4 Project Manager: LESTER WAYNE PRICE JR Fax To:	Reported: 05-Dec-25 14:15

BRINE

H257229-02 (Water)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride*	**178000**		4.00	mg/L	1	5111732	AC	18-Nov-25	4500-Cl-B	
Density	**1.2002**			g/mL	1	5111814	KH	18-Nov-25	SM 2710F	
pH*	**6.67**		0.100	pH Units	1	5111729	KH	17-Nov-25	150.1	PH-HT
Temperature °C	**18.0**			pH Units	1	5111729	KH	17-Nov-25	150.1	PH-HT
TDS*	**315000**		5.00	mg/L	1	5111822	KH	20-Nov-25	160.1	
Green Analytical Laboratories										
Total Recoverable Metals by ICP (E200.7)										
Sodium*	**228000**		500	mg/L	500	B253723	AWG	02-Dec-25	EPA 200.7	

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:

WASSERHUND INC. P.O. BOX 2140 LOVINGTON NM, 88260	Project: BUCKEYE BRINE STATION BW-04 Project Number: BW-4 Project Manager: LESTER WAYNE PRICE JR Fax To:	Reported: 05-Dec-25 14:15

Inorganic Compounds - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5111729 - General Prep - Wet Chem										
LCS (5111729-BS1)				Prepared & Analyzed: 17-Nov-25						
pH	6.92		pH Units	7.00		98.9	90-110			
Duplicate (5111729-DUP1)		**Source: H257209-01**		Prepared & Analyzed: 17-Nov-25						
pH	7.55	0.100	pH Units		7.43			1.60	20	
Temperature °C	25.0		pH Units		25.0			0.00	200	
Batch 5111732 - General Prep - Wet Chem										
Blank (5111732-BLK1)				Prepared & Analyzed: 17-Nov-25						
Chloride	ND	4.00	mg/L							
LCS (5111732-BS1)				Prepared & Analyzed: 17-Nov-25						
Chloride	104	4.00	mg/L	100		104	80-120			
LCS Dup (5111732-BSD1)				Prepared & Analyzed: 17-Nov-25						
Chloride	100	4.00	mg/L	100		100	80-120	3.92	20	
Batch 5111822 - Filtration										
Blank (5111822-BLK1)				Prepared: 18-Nov-25 Analyzed: 20-Nov-25						
TDS	10.0	5.00	mg/L							
LCS (5111822-BS1)				Prepared: 18-Nov-25 Analyzed: 20-Nov-25						
TDS	494		mg/L	495		99.8	80-120			
Duplicate (5111822-DUP1)		**Source: H257193-01**		Prepared: 18-Nov-25 Analyzed: 20-Nov-25						
TDS	15200	5.00	mg/L		15200			0.0526	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:

WASSERHUND INC. P.O. BOX 2140 LOVINGTON NM, 88260	Project: BUCKEYE BRINE STATION BW-04 Project Number: BW-4 Project Manager: LESTER WAYNE PRICE JR Fax To:	Reported: 05-Dec-25 14:15

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 B253723 - Total Recoverable by ICP										
Blank (B253723-BLK1)				Prepared: 21-Nov-25 Analyzed: 24-Nov-25						
Sodium	ND	1.00	mg/L							
LCS (B253723-BS1)				Prepared: 21-Nov-25 Analyzed: 24-Nov-25						
Sodium	1.56	1.00	mg/L	1.62		96.5	85-115			
LCS Dup (B253723-BSD1)				Prepared: 21-Nov-25 Analyzed: 24-Nov-25						
Sodium	1.58	1.00	mg/L	1.62		97.7	85-115	1.23	20	
Matrix Spike (B253723-MS1)		Source: 2511213-13		Prepared: 21-Nov-25 Analyzed: 24-Nov-25						
Sodium	428	2.00	mg/L	1.62	453	NR	70-130			M3
Matrix Spike (B253723-MS2)		Source: 2511224-01		Prepared: 21-Nov-25 Analyzed: 24-Nov-25						
Sodium	18.7	1.00	mg/L	1.62	17.6	67.1	70-130			M3
Matrix Spike Dup (B253723-MSD1)		Source: 2511213-13		Prepared: 21-Nov-25 Analyzed: 24-Nov-25						
Sodium	423	10.0	mg/L	1.62	453	NR	70-130	1.34	20	M3
Matrix Spike Dup (B253723-MSD2)		Source: 2511224-01		Prepared: 21-Nov-25 Analyzed: 24-Nov-25						
Sodium	18.9	5.00	mg/L	1.62	17.6	77.4	70-130	0.888	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

PH-HT	Analyzed outside the EPA recommended hold time of 15 minutes.
M3	Matrix spike recovery did not meet acceptance criteria. Accuracy of the spike is reduced since the analyte concentration in the sample is more than four times the spike level.
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:	WASSERHUND	**BILL TO**	
Project Manager:	LESTER WAYNE PRICE JR.	P.O. #:	
Address:	7 SYCAMORE LN	Company:	WASSERHUND
City:	GLENWOOD	State: NM Zip:	88039
Attn:	JOHN GANDY		
Phone #:	~~(575) 715-2869~~ 505 503 3575	Fax #:	
Address:	P.O. BOX 2041		
Project #:		Project Owner:	JOHN GANDY
City:	LOVINGTON		
Project Name:	BW - 4	State: NM Zip:	88260
Project Location:	BUCKEYE NM	Phone #:	(575) 369-9909
Sampler Name:	LESTER WAYNE PRICE JR. wayprice838@hotmail.com	Fax #:	

FOR LAB USE ONLY				MATRIX						PRESERV.			SAMPLING		ANALYSIS REQUEST	
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	Ph, TDS, CL, DENSITY	SODIUM, LITHIUM
H57229																
1	FRESH 1L	G	1						X		X		11/17/25	1:39	X	
2	BRINE 1L, 250mL HNO3	G	2						X	X	X		11/17/25	1:51 PM	X	X

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 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:	11/17/25 1555	Date: 11-17-25	Received By:
Lester Wayne Price Jr.		Time: 1555	
Relinquished By:		Date:	Received By:
		Time:	

Verbal Result: ☐ Yes ☐ No Add'l Phone #:
All Results are emailed. Please provide Email address:

REMARKS: FRESH FROM FRESH TANK NO PRESERVATIVE BRINE FROM BRINE TANKS AIR TEMPERATURE IS F @ 1:35 PM

Delivered By: (Circle One)	Observed Temp. °C	Sample Condition	CHECKED BY:	Turnaround Time: Standard ☑ Rush ☐
Sampler - UPS - Bus - Other:	Corrected Temp. °C	Cool: ☐ Yes ☑ No	(Initials)	Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No; Intact ☐ Yes ☐ No
	10.3 / 10.6	Intact: ☑ Yes ☐ No	TO	Observed Temp. °C / Corrected Temp. °C

Thermometer ID #140
Correction Factor +0.3°C

FORM-006 R 3.6 02/12/25

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

CARDINAL Laboratories

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

May 20, 2025

LESTER WAYNE PRICE JR

WASSERHUND INC.

P.O. BOX 2140

LOVINGTON, NM 88260

RE: BUCKEYE BRINE STATION BW-04

Enclosed are the results of analyses for samples received by the laboratory on 05/05/25 14:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. 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:

WASSERHUND INC. P.O. BOX 2140 LOVINGTON NM, 88260	Project: BUCKEYE BRINE STATION BW-04 Project Number: MW-1 Project Manager: LESTER WAYNE PRICE JR Fax To:	Reported: 20-May-25 12:01

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW - 1	H252670-01	Water	05-May-25 10:30	05-May-25 14:30

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:

WASSERHUND INC. P.O. BOX 2140 LOVINGTON NM, 88260	Project: BUCKEYE BRINE STATION BW-04 Project Number: MW-1 Project Manager: LESTER WAYNE PRICE JR Fax To:	Reported: 20-May-25 12:01

MW - 1

H252670-01 (Water)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Alkalinity, Bicarbonate	**215**		5.00	mg/L	1	5050756	HM	07-May-25	310.1	
Alkalinity, Carbonate	<1.00		1.00	mg/L	1	5050756	HM	07-May-25	310.1	
Cation/Anion Balance	**-1.04**			%	1	2082536	CK	20-May-25	CALC	
Chloride*	**32.0**		4.00	mg/L	1	5050616	AC	06-May-25	4500-Cl-B	
Conductivity*	**580**		1.00	umhos/cm @ 25°C	1	5050622	HM	06-May-25	120.1	
Oxidation/Reduction Potential	**- 25.8**			mV	1	5050527	AC	05-May-25	SM2580A	
Temperature	**18.6**			mV	1	5050527	AC	05-May-25	SM2580A	
pH*	**7.53**		0.100	pH Units	1	5050525	AC	05-May-25	150.1	PH-HT
Temperature °C	**18.2**			pH Units	1	5050525	AC	05-May-25	150.1	PH-HT
Specific Gravity @ 60° F	**1.005**		0.000	[blank]	1	5050633	HM	06-May-25	SM 2710F	
Sulfate*	**83.6**		25.0	mg/L	2.5	5050736	HM	07-May-25	375.4	
TDS*	**372**		5.00	mg/L	1	5050646	HM	08-May-25	160.1	
Alkalinity, Total*	**176**		4.00	mg/L	1	5050756	HM	07-May-25	310.1	
Green Analytical Laboratories										
General Chemistry										
Bromide	**0.327**		0.100	mg/L	1	B251250	AWG	13-May-25	EPA 300.0	
Fluoride*	**0.843**		0.100	mg/L	1	B251250	AWG	13-May-25	EPA 300.0	
Total Recoverable Metals by ICP (E200.7)										
Calcium*	**80.9**		0.200	mg/L	1	B251192	AWG	14-May-25	EPA 200.7	
Magnesium*	**11.3**		0.100	mg/L	1	B251192	AWG	14-May-25	EPA 200.7	
Potassium*	**3.17**		1.00	mg/L	1	B251192	AWG	14-May-25	EPA 200.7	
Sodium*	**28.7**		1.00	mg/L	1	B251192	AWG	14-May-25	EPA 200.7	

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:

WASSERHUND INC. P.O. BOX 2140 LOVINGTON NM, 88260	Project: BUCKEYE BRINE STATION BW-04 Project Number: MW-1 Project Manager: LESTER WAYNE PRICE JR Fax To:	Reported: 20-May-25 12:01

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:

WASSERHUND INC. P.O. BOX 2140 LOVINGTON NM, 88260	Project: BUCKEYE BRINE STATION BW-04 Project Number: MW-1 Project Manager: LESTER WAYNE PRICE JR Fax To:	Reported: 20-May-25 12:01

Inorganic Compounds - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5050525 - General Prep - Wet Chem										
LCS (5050525-BS1)				Prepared & Analyzed: 05-May-25						
pH	7.01		pH Units	7.00		100	90-110			
Duplicate (5050525-DUP1)		**Source: H252669-01**		Prepared & Analyzed: 05-May-25						
pH	7.85	0.100	pH Units		7.84			0.127	20	
Temperature °C	19.2		pH Units		19.1			0.522	200	
Batch 5050527 - General Prep - Wet Chem										
LCS (5050527-BS1)				Prepared & Analyzed: 05-May-25						
Oxidation/Reduction Potential	245		mV	240		102	90-110			
Duplicate (5050527-DUP1)		**Source: H252670-01**		Prepared & Analyzed: 05-May-25						
Oxidation/Reduction Potential	-25.2		mV		-25.8				20	
Batch 5050616 - General Prep - Wet Chem										
Blank (5050616-BLK1)				Prepared & Analyzed: 06-May-25						
Chloride	ND	4.00	mg/L							
LCS (5050616-BS1)				Prepared & Analyzed: 06-May-25						
Chloride	100	4.00	mg/L	100		100	80-120			
LCS Dup (5050616-BSD1)				Prepared & Analyzed: 06-May-25						
Chloride	104	4.00	mg/L	100		104	80-120	3.92	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:

WASSERHUND INC. P.O. BOX 2140 LOVINGTON NM, 88260	Project: BUCKEYE BRINE STATION BW-04 Project Number: MW-1 Project Manager: LESTER WAYNE PRICE JR Fax To:	Reported: 20-May-25 12:01

Inorganic Compounds - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5050622 - General Prep - Wet Chem										
LCS (5050622-BS1)				Prepared & Analyzed: 06-May-25						
Conductivity	493		uS/cm	500		98.6	80-120			
Duplicate (5050622-DUP1)		**Source: H252670-01**		Prepared & Analyzed: 06-May-25						
Conductivity	581	1.00	umhos/cm @ 25°C		580			0.172	20	
Batch 5050633 - General Prep - Wet Chem										
Duplicate (5050633-DUP1)		**Source: H252670-01**		Prepared & Analyzed: 06-May-25						
Specific Gravity @ 60° F	1.005	0.000	[blank]		1.005			0.0109	20	
Batch 5050646 - Filtration										
Blank (5050646-BLK1)				Prepared: 06-May-25 Analyzed: 08-May-25						
TDS	ND	5.00	mg/L							
LCS (5050646-BS1)				Prepared: 06-May-25 Analyzed: 08-May-25						
TDS	510		mg/L	500		102	80-120			
Duplicate (5050646-DUP1)		**Source: H252645-01**		Prepared: 06-May-25 Analyzed: 08-May-25						
TDS	4950	5.00	mg/L		4890			1.10	20	
Batch 5050736 - General Prep - Wet Chem										
Blank (5050736-BLK1)				Prepared & Analyzed: 07-May-25						
Sulfate	ND	10.0	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:

WASSERHUND INC. P.O. BOX 2140 LOVINGTON NM, 88260	Project: BUCKEYE BRINE STATION BW-04 Project Number: MW-1 Project Manager: LESTER WAYNE PRICE JR Fax To:	Reported: 20-May-25 12:01

Inorganic Compounds - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5050736 - General Prep - Wet Chem										
LCS (5050736-BS1)				Prepared & Analyzed: 07-May-25						
Sulfate	19.4	10.0	mg/L	20.0		97.1	80-120			
LCS Dup (5050736-BSD1)				Prepared & Analyzed: 07-May-25						
Sulfate	18.3	10.0	mg/L	20.0		91.6	80-120	5.83	20	
Batch 5050756 - General Prep - Wet Chem										
Blank (5050756-BLK1)				Prepared & Analyzed: 07-May-25						
Alkalinity, Carbonate	ND	1.00	mg/L							
Alkalinity, Bicarbonate	5.00	5.00	mg/L							
Alkalinity, Total	4.00	4.00	mg/L							
LCS (5050756-BS1)				Prepared & Analyzed: 07-May-25						
Alkalinity, Carbonate	ND	1.00	mg/L				80-120			
Alkalinity, Bicarbonate	132	5.00	mg/L				80-120			
Alkalinity, Total	108	4.00	mg/L	100		108	80-120			
LCS Dup (5050756-BSD1)				Prepared & Analyzed: 07-May-25						
Alkalinity, Carbonate	ND	1.00	mg/L				80-120		20	
Alkalinity, Bicarbonate	132	5.00	mg/L				80-120	0.00	20	
Alkalinity, Total	108	4.00	mg/L	100		108	80-120	0.00	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:

WASSERHUND INC. P.O. BOX 2140 LOVINGTON NM, 88260	Project: BUCKEYE BRINE STATION BW-04 Project Number: MW-1 Project Manager: LESTER WAYNE PRICE JR Fax To:	Reported: 20-May-25 12:01

General Chemistry - Quality Control

Green Analytical Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B251250 - IC- Ion Chromatograph										
Blank (B251250-BLK1)				Prepared: 12-May-25 Analyzed: 13-May-25						
Bromide	ND	0.100	mg/L							
Fluoride	ND	0.100	mg/L							
LCS (B251250-BS1)				Prepared: 12-May-25 Analyzed: 13-May-25						
Bromide	2.44	0.100	mg/L	2.50		97.7	90-110			
Fluoride	2.51	0.100	mg/L	2.50		100	90-110			
LCS Dup (B251250-BSD1)				Prepared: 12-May-25 Analyzed: 13-May-25						
Bromide	2.55	0.100	mg/L	2.50		102	90-110	4.17	20	
Fluoride	2.60	0.100	mg/L	2.50		104	90-110	3.48	20	
Matrix Spike (B251250-MS1)	**Source: 2505060-01**			Prepared: 12-May-25 Analyzed: 13-May-25						
Fluoride	2.72	0.100	mg/L	2.50	0.304	96.6	85-115			
Bromide	2.36	0.100	mg/L	2.50	0.0920	90.6	85-115			
Matrix Spike (B251250-MS2)	**Source: 2505069-01**			Prepared: 12-May-25 Analyzed: 13-May-25						
Fluoride	2.33	0.100	mg/L	2.50	0.0340	91.9	85-115			
Bromide	2.32	0.100	mg/L	2.50	ND	92.6	85-115			
Matrix Spike Dup (B251250-MSD1)	**Source: 2505060-01**			Prepared: 12-May-25 Analyzed: 13-May-25						
Bromide	2.42	0.100	mg/L	2.50	0.0920	93.1	85-115	2.60	20	
Fluoride	2.78	0.100	mg/L	2.50	0.304	98.8	85-115	2.00	20	
Matrix Spike Dup (B251250-MSD2)	**Source: 2505069-01**			Prepared: 12-May-25 Analyzed: 13-May-25						
Fluoride	2.39	0.100	mg/L	2.50	0.0340	94.2	85-115	2.46	20	
Bromide	2.37	0.100	mg/L	2.50	ND	95.0	85-115	2.52	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:

WASSERHUND INC. P.O. BOX 2140 LOVINGTON NM, 88260	Project: BUCKEYE BRINE STATION BW-04 Project Number: MW-1 Project Manager: LESTER WAYNE PRICE JR Fax To:	Reported: 20-May-25 12:01

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 B251192 - Total Recoverable by ICP										
Blank (B251192-BLK1)				Prepared: 07-May-25 Analyzed: 14-May-25						
Sodium	ND	1.00	mg/L							
Potassium	ND	1.00	mg/L							
Calcium	ND	0.200	mg/L							
Magnesium	ND	0.100	mg/L							
LCS (B251192-BS1)				Prepared: 07-May-25 Analyzed: 14-May-25						
Sodium	1.69	1.00	mg/L	1.62		104	85-115			
Potassium	4.37	1.00	mg/L	4.00		109	85-115			
Calcium	2.17	0.200	mg/L	2.00		109	85-115			
Magnesium	11.3	0.100	mg/L	10.0		113	85-115			
LCS Dup (B251192-BSD1)				Prepared: 07-May-25 Analyzed: 14-May-25						
Calcium	2.19	0.200	mg/L	2.00		109	85-115	0.735	20	
Sodium	1.74	1.00	mg/L	1.62		108	85-115	3.28	20	
Potassium	4.36	1.00	mg/L	4.00		109	85-115	0.157	20	
Magnesium	11.4	0.100	mg/L	10.0		114	85-115	0.579	20	
Matrix Spike (B251192-MS1)	**Source: 2505079-01**			Prepared: 07-May-25 Analyzed: 14-May-25						
Calcium	2.54	0.200	mg/L	2.00	0.498	102	70-130			
Potassium	5.19	1.00	mg/L	4.00	1.05	104	70-130			
Magnesium	10.8	0.100	mg/L	10.0	0.247	105	70-130			
Sodium	223	1.00	mg/L	1.62	226	NR	70-130			M3
Matrix Spike Dup (B251192-MSD1)	**Source: 2505079-01**			Prepared: 07-May-25 Analyzed: 14-May-25						
Sodium	225	5.00	mg/L	1.62	226	NR	70-130	0.942	20	M3
Potassium	4.68	5.00	mg/L	4.00	ND	117	70-130	10.4	20	
Calcium	2.46	1.00	mg/L	2.00	ND	123	70-130	3.31	20	
Magnesium	10.9	0.500	mg/L	10.0	ND	109	70-130	0.648	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

Z-01b	-1.04
Z-01a	-25.8
Z-01	-25.2
PH-HT	Analyzed outside the EPA recommended hold time of 15 minutes.
M3	Matrix spike recovery did not meet acceptance criteria. Accuracy of the spike is reduced since the analyte concentration in the sample is more than four times the spike level.
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:	WASSERHUND
Project Manager:	LESTER WAYNE PRICE JR
Address:	7 SYCAMORE LN
City:	MLENWOOD State: NM Zip: 88039
Phone #:	505 715 2809 Fax #: NA
Project #:	Project Owner: JOHN HANDY
Project Name:	BW-4 MW1
Project Location:	BUCKEYE NM
Sampler Name:	LESTER WAYNE PRICE JR

BILL TO

P.O. #:	
Company:	WASSERHUND
Attn:	JOHN HANDY
Address:	PO Box 2041
City:	Loving
State:	NM Zip: 88260
Phone #:	575-369-9909
Fax #:	NA

ANALYSIS REQUEST

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	CATION / ANIONS, SPEC. GRAVITY, pH	F, Br	ORP	CAB Balance
H052670	MW1 1L	G	1	X							X		5/5/25	10:30 AM	X		X	✓
1	MW1 250 mL	G	1	X							X		5/5/25	10:40 AM		X		
	MW1 250 mL HNO3	G	1	X						X	X		5/5/25	10:50 AM	X			

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 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:	Date: 5-5-25 Time: 1320	Received By:	
LESTER WAYNE PRICE JR			
Relinquished By:	Date: 5/5/25 Time:	Received By:	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C 4.1 Corrected Temp. °C 4.4	Sample Condition Cool: Yes Intact: Yes / No / No	CHECKED BY: (Initials)

Verbal Result: ☐ Yes ☐ No Add'l Phone #:
All Results are emailed. Please provide Email address:
Purged 3 well bore volumes
REMARKS:
Temperature 58°F
Turnaround Time: Standard ☑ Rush ☐
Thermometer ID #140
Correction Factor +0.3°C
Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No Observed Temp. °C Corrected Temp. °C

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

FORM-006 R 3.3 08/08/24

CARDINAL Laboratories

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

December 05, 2025

LESTER WAYNE PRICE JR

WASSERHUND INC.

P.O. BOX 2140

LOVINGTON, NM 88260

RE: BUCKEYE BRINE STATION BW-04

Enclosed are the results of analyses for samples received by the laboratory on 11/17/25 15:55.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C25-00101. 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:

WASSERHUND INC. P.O. BOX 2140 LOVINGTON NM, 88260	Project: BUCKEYE BRINE STATION BW-04 Project Number: BW-04 MW-1 Project Manager: LESTER WAYNE PRICE JR Fax To:	Reported: 05-Dec-25 15:23

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW - 1	H257230-01	Water	17-Nov-25 11:12	17-Nov-25 15:55

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:

WASSERHUND INC. P.O. BOX 2140 LOVINGTON NM, 88260	Project: BUCKEYE BRINE STATION BW-04 Project Number: BW-04 MW-1 Project Manager: LESTER WAYNE PRICE JR Fax To:	Reported: 05-Dec-25 15:23

MW - 1

H257230-01 (Water)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Alkalinity, Bicarbonate	**176**		5.00	mg/L	1	5111735	AC	18-Nov-25	310.1	
Alkalinity, Carbonate	<1.00		1.00	mg/L	1	5111735	AC	18-Nov-25	310.1	
Cation/Anion Balance	**-8.78**			%	1	5092343	CK	05-Dec-25	CALC	
Chloride*	**40.0**		4.00	mg/L	1	5111732	AC	18-Nov-25	4500-Cl-B	
Conductivity*	**583**		1.00	umhos/cm @ 25°C	1	5120527	AC	05-Dec-25	120.1	
Oxidation/Reduction Potential	**-5.5**			mV	1	5111801	AC	17-Nov-25	SM2580A	
Temperature	**17.5**			mV	1	5111801	AC	17-Nov-25	SM2580A	
pH*	**8.09**		0.100	pH Units	1	5111729	KH	17-Nov-25	150.1	PH-HT
Temperature °C	**13.4**			pH Units	1	5111729	KH	17-Nov-25	150.1	PH-HT
Specific Gravity @ 60° F	**0.9995**		0.000	[blank]	1	5111809	KH	18-Nov-25	SM 2710F	
Sulfate*	**59.3**		25.0	mg/L	2.5	5111744	AC	18-Nov-25	375.4	
TDS*	**362**		5.00	mg/L	1	5111822	KH	20-Nov-25	160.1	
Alkalinity, Total*	**144**		4.00	mg/L	1	5111735	AC	18-Nov-25	310.1	
Green Analytical Laboratories										
General Chemistry										
Bromide	**0.335**		0.100	mg/L	1	B253775	AWG	26-Nov-25	EPA 300.0	
Fluoride*	**0.812**		0.100	mg/L	1	B253775	AWG	26-Nov-25	EPA 300.0	
Total Recoverable Metals by ICP (E200.7)										
Calcium*	**82.2**		0.200	mg/L	1	B253723	AWG	25-Nov-25	EPA 200.7	
Magnesium*	**9.80**		0.100	mg/L	1	B253723	AWG	25-Nov-25	EPA 200.7	
Potassium*	**3.13**		1.00	mg/L	1	B253723	AWG	25-Nov-25	EPA 200.7	
Sodium*	**29.2**		1.00	mg/L	1	B253723	AWG	25-Nov-25	EPA 200.7	

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:

WASSERHUND INC. P.O. BOX 2140 LOVINGTON NM, 88260	Project: BUCKEYE BRINE STATION BW-04 Project Number: BW-04 MW-1 Project Manager: LESTER WAYNE PRICE JR Fax To:	Reported: 05-Dec-25 15:23

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:

WASSERHUND INC. P.O. BOX 2140 LOVINGTON NM, 88260	Project: BUCKEYE BRINE STATION BW-04 Project Number: BW-04 MW-1 Project Manager: LESTER WAYNE PRICE JR Fax To:	Reported: 05-Dec-25 15:23

Inorganic Compounds - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5111729 - General Prep - Wet Chem										
LCS (5111729-BS1)				Prepared & Analyzed: 17-Nov-25						
pH	6.92		pH Units	7.00		98.9	90-110			
Duplicate (5111729-DUP1)		**Source: H257209-01**		Prepared & Analyzed: 17-Nov-25						
pH	7.55	0.100	pH Units		7.43			1.60	20	
Temperature °C	25.0		pH Units		25.0			0.00	200	
Batch 5111732 - General Prep - Wet Chem										
Blank (5111732-BLK1)				Prepared & Analyzed: 17-Nov-25						
Chloride	ND	4.00	mg/L							
LCS (5111732-BS1)				Prepared & Analyzed: 17-Nov-25						
Chloride	104	4.00	mg/L	100		104	80-120			
LCS Dup (5111732-BSD1)				Prepared & Analyzed: 17-Nov-25						
Chloride	100	4.00	mg/L	100		100	80-120	3.92	20	
Batch 5111735 - General Prep - Wet Chem										
Blank (5111735-BLK1)				Prepared & Analyzed: 17-Nov-25						
Alkalinity, Carbonate	ND	1.00	mg/L							
Alkalinity, Bicarbonate	5.00	5.00	mg/L							
Alkalinity, Total	4.00	4.00	mg/L							
LCS (5111735-BS1)				Prepared & Analyzed: 17-Nov-25						
Alkalinity, Carbonate	ND	2.50	mg/L				80-120			
Alkalinity, Bicarbonate	292	12.5	mg/L				80-120			
Alkalinity, Total	240	10.0	mg/L	250		96.0	80-120			

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:

WASSERHUND INC. P.O. BOX 2140 LOVINGTON NM, 88260	Project: BUCKEYE BRINE STATION BW-04 Project Number: BW-04 MW-1 Project Manager: LESTER WAYNE PRICE JR Fax To:	Reported: 05-Dec-25 15:23

Inorganic Compounds - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5111735 - General Prep - Wet Chem										
LCS Dup (5111735-BSD1)				Prepared & Analyzed: 17-Nov-25						
Alkalinity, Carbonate	ND	2.50	mg/L				80-120		20	
Alkalinity, Bicarbonate	305	12.5	mg/L				80-120	4.18	20	
Alkalinity, Total	250	10.0	mg/L	250		100	80-120	4.08	20	
Batch 5111744 - General Prep - Wet Chem										
Blank (5111744-BLK1)				Prepared & Analyzed: 17-Nov-25						
Sulfate	ND	10.0	mg/L							
LCS (5111744-BS1)				Prepared & Analyzed: 17-Nov-25						
Sulfate	19.3	10.0	mg/L	20.0		96.4	80-120			
LCS Dup (5111744-BSD1)				Prepared & Analyzed: 17-Nov-25						
Sulfate	19.6	10.0	mg/L	20.0		98.0	80-120	1.70	20	
Batch 5111801 - General Prep - Wet Chem										
LCS (5111801-BS1)				Prepared & Analyzed: 17-Nov-25						
Oxidation/Reduction Potential	248		mV	240		104	90-110			
Duplicate (5111801-DUP1)		**Source: H257230-01**		Prepared & Analyzed: 17-Nov-25						
Oxidation/Reduction Potential	-9.4		mV		-5.5				20	
Batch 5111809 - General Prep - Wet Chem										
Duplicate (5111809-DUP1)		**Source: H257230-01**		Prepared & Analyzed: 18-Nov-25						
Specific Gravity @ 60° F	1.000	0.000	[blank]		0.9995			0.0500	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:

WASSERHUND INC. P.O. BOX 2140 LOVINGTON NM, 88260	Project: BUCKEYE BRINE STATION BW-04 Project Number: BW-04 MW-1 Project Manager: LESTER WAYNE PRICE JR Fax To:	Reported: 05-Dec-25 15:23

Inorganic Compounds - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5111822 - Filtration										
Blank (5111822-BLK1)				Prepared: 18-Nov-25 Analyzed: 20-Nov-25						
TDS	10.0	5.00	mg/L							
LCS (5111822-BS1)				Prepared: 18-Nov-25 Analyzed: 20-Nov-25						
TDS	494		mg/L	495		99.8	80-120			
Duplicate (5111822-DUP1)		**Source: H257193-01**		Prepared: 18-Nov-25 Analyzed: 20-Nov-25						
TDS	15200	5.00	mg/L		15200			0.0526	20	
Batch 5120527 - General Prep - Wet Chem										
LCS (5120527-BS1)				Prepared & Analyzed: 05-Dec-25						
Conductivity	497		uS/cm	500		99.4	80-120			
Duplicate (5120527-DUP1)		**Source: H257230-01**		Prepared & Analyzed: 05-Dec-25						
Conductivity	578	1.00	umhos/cm @ 25°C		583			0.861	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:

WASSERHUND INC. P.O. BOX 2140 LOVINGTON NM, 88260	Project: BUCKEYE BRINE STATION BW-04 Project Number: BW-04 MW-1 Project Manager: LESTER WAYNE PRICE JR Fax To:	Reported: 05-Dec-25 15:23

General Chemistry - Quality Control

Green Analytical Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B253775 - IC- Ion Chromatograph										
Blank (B253775-BLK1)				Prepared: 25-Nov-25 Analyzed: 26-Nov-25						
Fluoride	ND	0.100	mg/L							
Bromide	ND	0.100	mg/L							
LCS (B253775-BS1)				Prepared: 25-Nov-25 Analyzed: 26-Nov-25						
Bromide	2.46	0.100	mg/L	2.50		98.4	90-110			
Fluoride	2.58	0.100	mg/L	2.50		103	90-110			
LCS Dup (B253775-BSD1)				Prepared: 25-Nov-25 Analyzed: 26-Nov-25						
Fluoride	2.65	0.100	mg/L	2.50		106	90-110	2.91	20	
Bromide	2.53	0.100	mg/L	2.50		101	90-110	2.65	20	
Matrix Spike (B253775-MS1)		**Source: 2511269-01**		Prepared: 25-Nov-25 Analyzed: 26-Nov-25						
Bromide	2.35	0.100	mg/L	2.50	ND	93.9	85-115			
Fluoride	2.60	0.100	mg/L	2.50	0.329	90.9	85-115			
Matrix Spike (B253775-MS2)		**Source: 2511280-01**		Prepared: 25-Nov-25 Analyzed: 26-Nov-25						
Fluoride	2.75	0.100	mg/L	2.50	0.501	90.1	85-115			
Bromide	2.28	0.100	mg/L	2.50	ND	91.0	85-115			
Matrix Spike Dup (B253775-MSD1)		**Source: 2511269-01**		Prepared: 25-Nov-25 Analyzed: 26-Nov-25						
Fluoride	2.69	0.100	mg/L	2.50	0.329	94.5	85-115	3.40	20	
Bromide	2.44	0.100	mg/L	2.50	ND	97.5	85-115	3.80	20	
Matrix Spike Dup (B253775-MSD2)		**Source: 2511280-01**		Prepared: 25-Nov-25 Analyzed: 26-Nov-25						
Fluoride	2.81	0.100	mg/L	2.50	0.501	92.3	85-115	1.94	20	
Bromide	2.33	0.100	mg/L	2.50	ND	93.3	85-115	2.47	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:

WASSERHUND INC. P.O. BOX 2140 LOVINGTON NM, 88260	Project: BUCKEYE BRINE STATION BW-04 Project Number: BW-04 MW-1 Project Manager: LESTER WAYNE PRICE JR Fax To:	Reported: 05-Dec-25 15:23

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 B253723 - Total Recoverable by ICP										
Blank (B253723-BLK1)				Prepared: 21-Nov-25 Analyzed: 24-Nov-25						
Calcium	ND	0.200	mg/L							
Potassium	ND	1.00	mg/L							
Magnesium	ND	0.100	mg/L							
Sodium	ND	1.00	mg/L							
LCS (B253723-BS1)				Prepared: 21-Nov-25 Analyzed: 24-Nov-25						
Calcium	2.00	0.200	mg/L	2.00		100	85-115			
Potassium	3.77	1.00	mg/L	4.00		94.3	85-115			
Sodium	1.56	1.00	mg/L	1.62		96.5	85-115			
Magnesium	10.2	0.100	mg/L	10.0		102	85-115			
LCS Dup (B253723-BSD1)				Prepared: 21-Nov-25 Analyzed: 24-Nov-25						
Sodium	1.58	1.00	mg/L	1.62		97.7	85-115	1.23	20	
Potassium	3.89	1.00	mg/L	4.00		97.4	85-115	3.16	20	
Magnesium	10.1	0.100	mg/L	10.0		101	85-115	0.427	20	
Calcium	1.99	0.200	mg/L	2.00		99.4	85-115	0.600	20	
Matrix Spike (B253723-MS1)		**Source: 2511213-13**		Prepared: 21-Nov-25 Analyzed: 24-Nov-25						
Magnesium	10.2	0.200	mg/L	10.0	0.783	94.6	70-130			
Sodium	428	2.00	mg/L	1.62	453	NR	70-130			M3
Calcium	4.97	0.400	mg/L	2.00	3.20	88.4	70-130			
Potassium	9.11	2.00	mg/L	4.00	5.60	87.7	70-130			
Matrix Spike (B253723-MS2)		**Source: 2511224-01**		Prepared: 21-Nov-25 Analyzed: 24-Nov-25						
Potassium	6.69	1.00	mg/L	4.00	2.92	94.2	70-130			
Magnesium	21.9	0.100	mg/L	10.0	12.7	91.8	70-130			
Sodium	18.7	1.00	mg/L	1.62	17.6	67.1	70-130			M3
Calcium	78.9	0.200	mg/L	2.00	78.8	2.15	70-130			M3

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:

WASSERHUND INC. P.O. BOX 2140 LOVINGTON NM, 88260	Project: BUCKEYE BRINE STATION BW-04 Project Number: BW-04 MW-1 Project Manager: LESTER WAYNE PRICE JR Fax To:	Reported: 05-Dec-25 15:23

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 B253723 - Total Recoverable by ICP										
Matrix Spike Dup (B253723-MSD1)	**Source: 2511213-13**			Prepared: 21-Nov-25 Analyzed: 24-Nov-25						
Sodium	423	10.0	mg/L	1.62	453	NR	70-130	1.34	20	M3
Calcium	5.02	2.00	mg/L	2.00	3.20	91.2	70-130	1.12	20	
Potassium	10.0	10.0	mg/L	4.00	5.60	110	70-130	9.36	20	
Magnesium	10.3	1.00	mg/L	10.0	0.783	95.5	70-130	0.824	20	
Matrix Spike Dup (B253723-MSD2)	**Source: 2511224-01**			Prepared: 21-Nov-25 Analyzed: 24-Nov-25						
Calcium	78.5	1.00	mg/L	2.00	78.8	NR	70-130	0.483	20	M3
Magnesium	22.6	0.500	mg/L	10.0	12.7	99.5	70-130	3.48	20	
Sodium	18.9	5.00	mg/L	1.62	17.6	77.4	70-130	0.888	20	
Potassium	7.28	5.00	mg/L	4.00	2.92	109	70-130	8.48	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

Z-01b	-9.4
Z-01a	-8.78
Z-01	-5.5
PH-HT	Analyzed outside the EPA recommended hold time of 15 minutes.
M3	Matrix spike recovery did not meet acceptance criteria. Accuracy of the spike is reduced since the analyte concentration in the sample is more than four times the spike level.
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:	WASSERHUND	**BILL TO**	
Project Manager:	LESTER WAYNE PRICE JR.	P.O. #:	
Address:	7 SYCAMORE LN	Company:	WASSERHUND
City:	GLENWOOD	State: NM Zip:	88039
Phone #:	~~(575) 715-2809~~ 505-503-3575	Fax #:	
Project #:		Project Owner:	JOHN GANDY
Project Name:	BW - 4 MW 1	Attn:	JOHN GANDY
Project Location:	BUCKEYE NM	Address:	P.O. BOX 2041
Sampler Name:	LESTER WAYNE PRICE JR.	City:	LOVINGTON
		State: NM Zip:	88260
		Phone #:	(575) 369-9909
		Fax #:	

FOR LAB USE ONLY				MATRIX						PRESERV.			SAMPLING		ANALYSIS REQUEST												
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE	ICE / COOL	OTHER :	DATE	TIME	CARION/ANIONS, SPEC. GRAVITY, Ph, ORP	F, BR	CAB BALANCE										
H257230																										
1	MW 1 1L, MW 1 250 ml, HNO3 MW 1 250 ml	G	3	X							X		11/17/25	1126	X	X	X									

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 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:	Date: 11-17-25	Received By:	Verbal Resul ☐ Yes ☐ No Add'l Phone #:
Lester Wayne Price JR 11/17/25 1555	Time: 1555	Tamara Oldaker	All Results are emailed. Please provide Email address:
Relinquished By:	Date:	Received By:	REMARKS: Purged 3 well Bore volumes MW 1 1L NO PRESERVATIVE MW 1 250 ml NO Preservative Air Temperature 65°F @ 11:12AM
	Time:		

Delivered By: (Circle One)	Observed Temp. °C	10.3	Sample Condition Cool / Intact	CHECKED BY: (Initials)	Turnaround Time: Standard ☑ Rush ☐
Sampler - UPS - Bus - Other:	Corrected Temp. °C	10.6	Cool: ☑ Yes ☐ No Intact: ☑ Yes ☐ No	TO	Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No Observed Temp. °C / Corrected Temp. °C
					Thermometer ID #140 Correction Factor +0.3°C

FORM-006 R 3.6 02/12/25

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

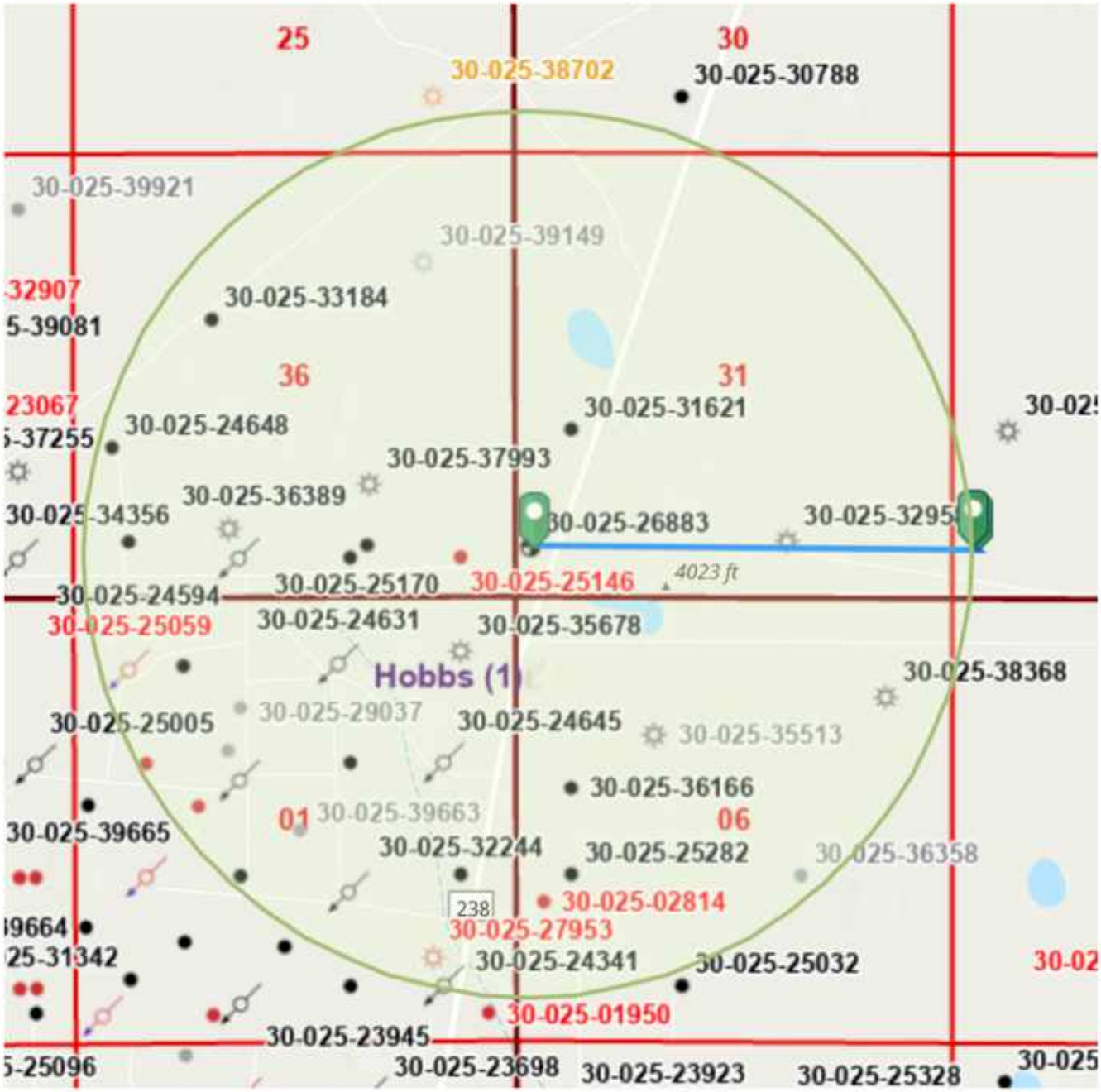

DO IT
RIGHT
Lowe's

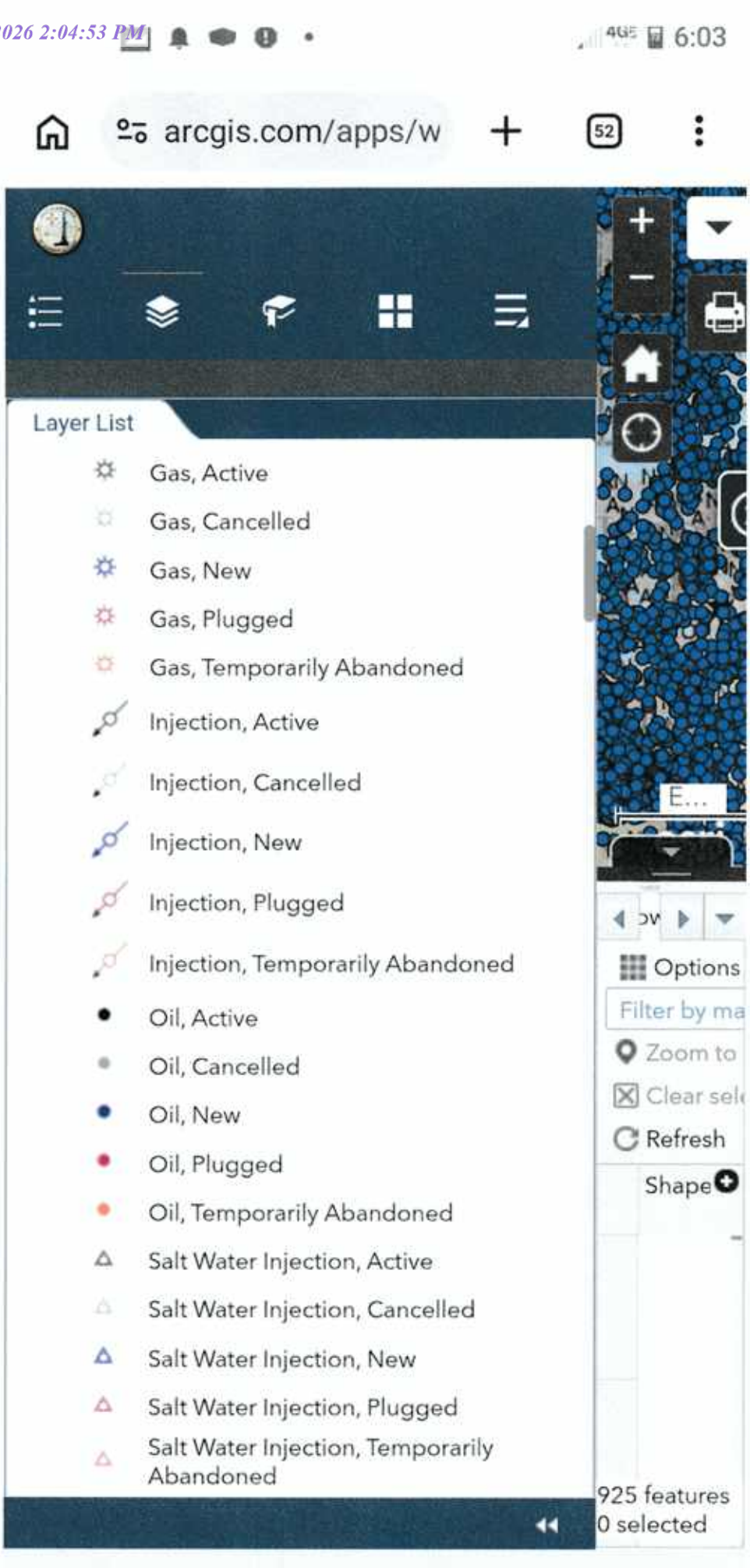
Appendix C- AOR Maps

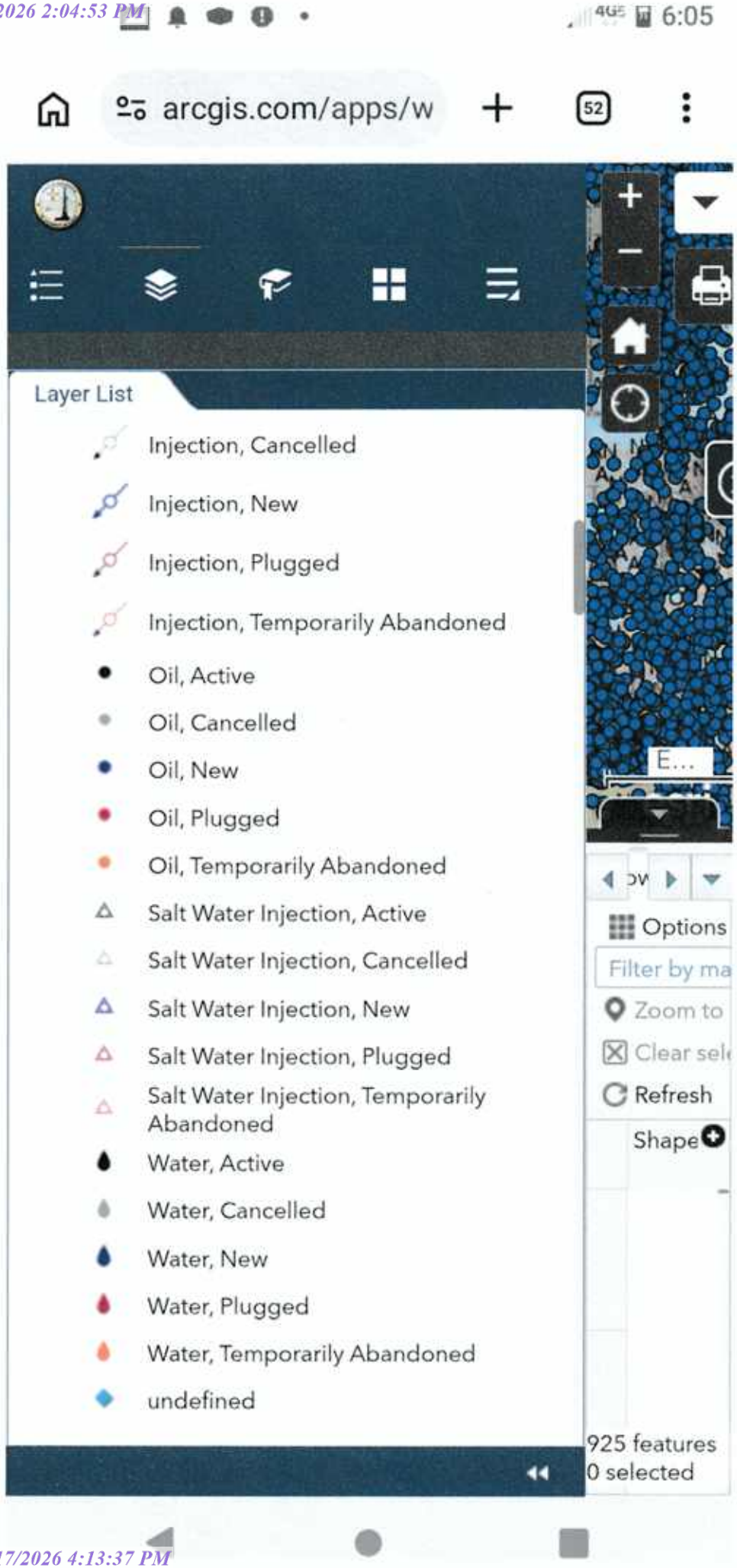
Well List for one Mile (1) Radius around Wasserhund BW-04
as of May 28, 2026 per OCD well records

			Well API#	Well Name	Operator	Location
	1	xxx	30-025-26883	EIDSON STATE #001	WASSERHUND INC	M-31-16S-35E
1/2 mile	1	xxx	30-025-31621	VACUUM 9205 JV-P #001H	BTA OIL PRODUCERS, LLC	L-31-16S-35E
	1	xxx	30-025-32958	VACUUM 31 #001	FAE II Operating LLC	O-31-16S-35E
	3					
	1	xxx	30-025-02814	PRE-ONGARD WELL #001	PRE-ONGARD WELL OPERATOR	L-6-17S-35E
	1	xxx	30-025-25282	STATE K 6119 COM #001	SOUTHWEST ROYALTIES INC	L-6-17S-35E
	1	xxx	30-025-35513	KAGEBRUSH #001	SAGE ENERGY CO	F-6-17S-35E
	1	xxx	30-025-36166	SAGEBRUSH #001H	Unitex Oil & Gas, L.L.C.	E-6-17S-35E
	1	xxx	30-025-36358	STATE SECTION 6 #002	SOUTHWEST ROYALTIES INC	J-6-17S-35E
	1	added	30-025-38000	ENCORE 6 STATE COM #001	BREITBURN OPERATING LP	F-6-17S-35E
	1	xxx	30-025-38368	ENCORE 6 STATE COM #002	BREITBURN OPERATING LP	A-6-17S-35E
	7					
	1	xxx	30-025-24594	NORTH VACUUM ABO NORTH UNIT #001	Unitex Oil & Gas, L.L.C.	N-36-16S-34E
	1	xxx	30-025-24648	NORTH VACUUM ABO NORTH UNIT #162	Unitex Oil & Gas, L.L.C.	L-36-16S-34E
1/2 mile	1	xxx	30-025-25146	NORTH VACUUM ABO NORTH UNIT #001	Redwood Operating LLC	P-36-16S-34E
1/2 mile	1	xxx	30-025-25170	NORTH VACUUM ABO NORTH UNIT #002	Unitex Oil & Gas, L.L.C.	O-36-16S-34E
	1	xxx	30-025-33184	EUREKA 36 STATE #001	Avant Operating 11, LLC	F-36-16S-34E
	1	xxx	30-025-34356	NORTH VACUUM ABO NORTH UNIT #163H	Unitex Oil & Gas, L.L.C.	M-36-16S-34E
	1	xxx	30-025-36389	EUREKA 36 STATE #002	Avant Operating 11, LLC	N-36-16S-34E
1/2 mile	1	xxx	30-025-37018	NORTH VACUUM ABO NORTH UNIT #123H	Unitex Oil & Gas, L.L.C.	O-36-16S-34E
1/2 mile	1	xxx	30-025-37993	ENCORE 36 STATE #001	BREITBURN OPERATING LP	J-36-16S-34E
	1	xxx	30-025-39149	ENCORE 36 STATE #002A	QUANTUM RESOURCES MANAGEMENT, LLC	A-36-16S-34E
	10					
			PRE-ONGARD WELL #001	PRE-ONGARD WELL OPERATOR		M-1-17S-34E
	1	xxx	30-025-01949	PRE-ONGARD WELL #002	PRE-ONGARD WELL OPERATOR	N-1-17S-34E
	1	xxx	30-025-24175	NORTH VACUUM ABO NORTH UNIT #001	Unitex Oil & Gas, L.L.C.	J-1-17S-34E
	1	xxx	30-025-24341	NORTH VACUUM ABO NORTH UNIT #001	Unitex Oil & Gas, L.L.C.	P-1-17S-34E
	1	xxx	30-025-24487	NORTH VACUUM ABO NORTH UNIT #001	Unitex Oil & Gas, L.L.C.	F-1-17S-34E
	1	xxx	30-025-24631	NORTH VACUUM ABO NORTH UNIT #001H	Unitex Oil & Gas, L.L.C.	B-1-17S-34E
	1	xxx	30-025-24645	NORTH VACUUM ABO NORTH UNIT #002	Unitex Oil & Gas, L.L.C.	H-1-17S-34E
	1	xxx	30-025-25059	NORTH VACUUM ABO NORTH UNIT #001	Unitex Oil & Gas, L.L.C.	D-1-17S-34E
	1	xxx	30-025-25206	NORTH VACUUM ABO NORTH UNIT #002	Unitex Oil & Gas, L.L.C.	E-1-17S-34E
	1	xxx	30-025-27953	STATE VI #001	CHESAPEAKE OPERATING, INC.	P-1-17S-34E
	1	xxx	30-025-29037	PRE-ONGARD WELL #001	PRE-ONGARD WELL OPERATOR	C-1-17S-34E
	1	xxx	30-025-32243	NORTH VACUUM ABO NORTH UNIT #002	Unitex Oil & Gas, L.L.C.	K-1-17S-34E
	1	xxx	30-025-32244	NORTH VACUUM ABO NORTH UNIT #002	Unitex Oil & Gas, L.L.C.	
	1	xxx	30-025-32721	NORTH VACUUM ABO NORTH UNIT #073	Unitex Oil & Gas, L.L.C.	G-1-17S-34E
1/2 mile	1	xxx	30-025-35678	NORTH VACUUM ABO NORTH UNIT #062	Unitex Oil & Gas, L.L.C.	A-1-17S-34E
	1	xxx	30-025-36333	BUCKEYE 1 STATE #001	FASKEN OIL & RANCH LTD	D-1-17S-34E
	1	xxx	30-025-36889	BUCKEYE 1 STATE #002C	FASKEN OIL & RANCH LTD	F-1-17S-34E
	1	xxx	30-025-39662	NORTH VACUUM ABO NORTH UNIT #012	Redwood Operating LLC	F-1-17S-34E
	1	xxx	30-025-39663	NORTH VACUUM ABO NORTH UNIT #033	SHERIDAN PRODUCTION COMPANY, LLC	J-1-17S-34E
6	18		Wells			
	38		Total Wells			

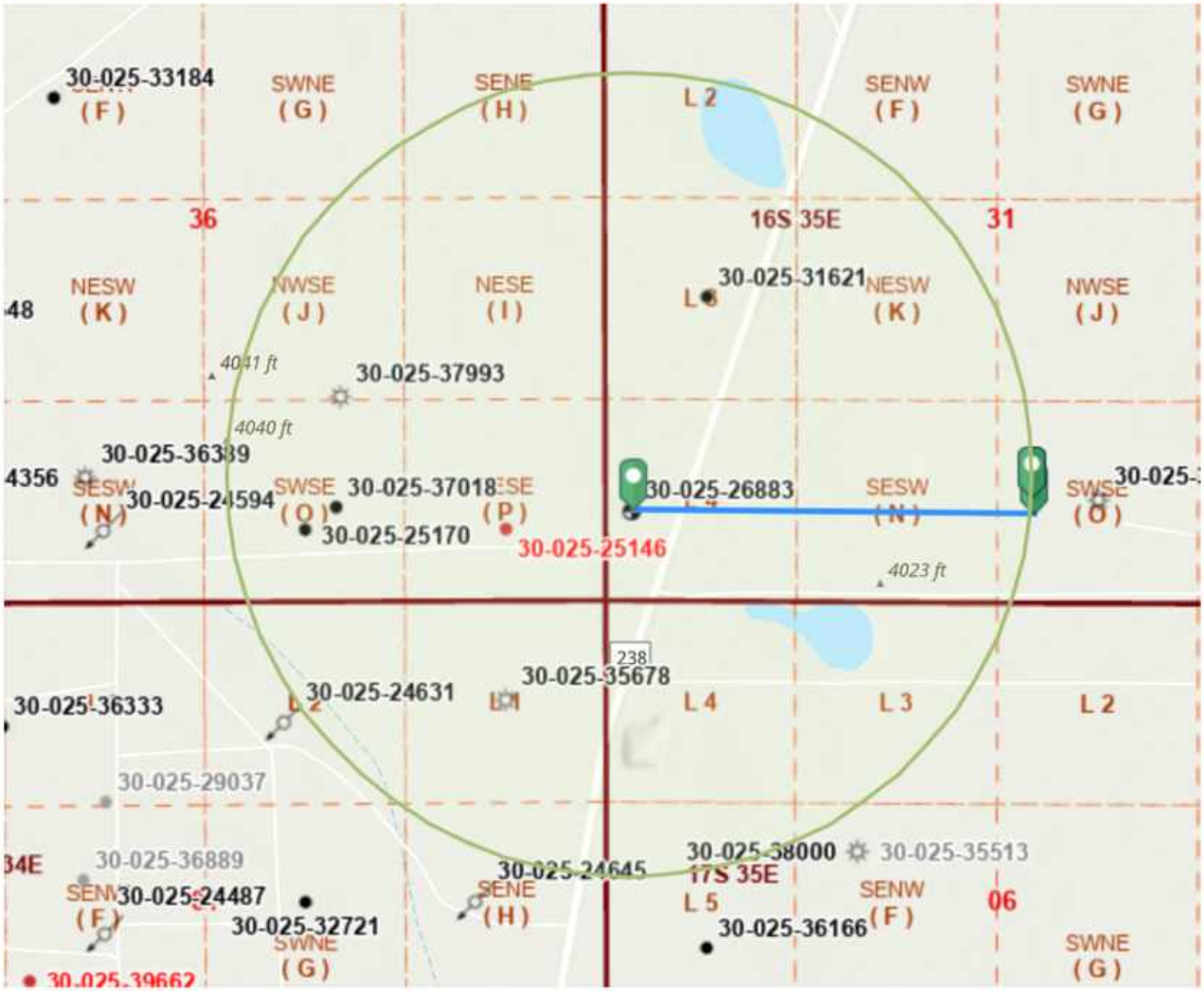
One Mile AOR


25
30
30-025-38702
30-025-30788
30-025-39921
30-025-39149
30-025-33184
36
31
30-025-31621
30-025-24648
30-025-37993
30-025-36389
30-025-34356
30-025-26883
4023 ft
30-025-24594
30-025-25170
30-025-25146
30-025-25059
30-025-24631
30-025-35678
Hobbs (1)
30-025-38368
30-025-29037
30-025-24645
30-025-35513
30-025-25005
30-025-36166
01
30-025-39663
06
30-025-39665
30-025-32244
30-025-25282
30-025-36358
238
30-025-02814
30-025-27953
30-025-24341
30-025-25032
30-025-31342
30-025-01950
30-025-23945
30-025-23698
30-025-23923
30-025-25328


6:03
arcgis.com/apps/w
52
Layer List
Gas, Active
Gas, Cancelled
Gas, New
Gas, Plugged
Gas, Temporarily Abandoned
Injection, Active
Injection, Cancelled
Injection, New
Injection, Plugged
Injection, Temporarily Abandoned
Oil, Active
Oil, Cancelled
Oil, New
Oil, Plugged
Oil, Temporarily Abandoned
Salt Water Injection, Active
Salt Water Injection, Cancelled
Salt Water Injection, New
Salt Water Injection, Plugged
Salt Water Injection, Temporarily Abandoned
Options
Filter by ma
Zoom to
Clear sel
Refresh
Shape
925 features
0 selected


6:05
arcgis.com/apps/w
52
Layer List
Injection, Cancelled
Injection, New
Injection, Plugged
Injection, Temporarily Abandoned
Oil, Active
Oil, Cancelled
Oil, New
Oil, Plugged
Oil, Temporarily Abandoned
Salt Water Injection, Active
Salt Water Injection, Cancelled
Salt Water Injection, New
Salt Water Injection, Plugged
Salt Water Injection, Temporarily Abandoned
Water, Active
Water, Cancelled
Water, New
Water, Plugged
Water, Temporarily Abandoned
undefined
Options
Filter by ma
Zoom to
Clear sel
Refresh
Shape
925 features
0 selected

1/2 Mile AOR


30-025-33184
SWNE (G)
SENE (H)
L 2
SENW (F)
SWNE (G)
36
16S 35E
31
30-025-31621
NESW (K)
NWSE (J)
NESE (I)
NESW (K)
NWSE (J)
4041 ft
30-025-37993
4040 ft
30-025-36389
30-025-24594
SWSE (O)
30-025-37018
30-025-25170
30-025-26883
SESW (N)
30-025-25146
4023 ft
238
30-025-35678
30-025-24631
30-025-36333
L 4
L 3
L 2
30-025-29037
30-025-36889
30-025-24645
30-025-38000
30-025-35513
17S 35E
30-025-24487
30-025-32721
L 5
30-025-36166
06
SWNE (G)


BTA OIL PRODUCERS
VACUUM, 9205 JV-P
API NO. 30-025-31621, V-3836
NW/SW, SEC.31, T16S-R35E


UNITEX OIL & GAS LLC
NORTH VACUUM ABO NORTH UNIT #62
660' FNL & 660' FEL
UL- 201 A, SEC. 1, 17S, 34E
LEA CO., NM
API #30-025-35678


UNITEX OIL & GAS LLC
NVANU "12" A #2
API #
30-025-25170


UNITEX OIL & GAS LLC
PRODUCTION COMPANY, LLC
API # 30-025-37018
NORTH VACUUM ABO NORTH UNIT # 123
UNIT O SEC.36-T16S-R34E
LEA COUNTY, NEW MEXICO


MAVERICK
Maverick Permian, LLC
(432) 309-7440
ENCORE 36 STATE #1
1330' FEL & 1750' FWL
SEC. 36, T16S, R35E
API #30-015-37993
LEA COUNTY, NEW MEXICO

Appendix D

C-105s (Well Completion Reports) and some P&A reports C-103s

Submit To Appropriate District Office
State Lease - 6 copies
Fee Lease - 5 copies
District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, 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-105
Revised March 25, 1999

WELL API NO. 30-025-31621
5. Indicate Type of Lease STATE ☒ FEE ☐
State Oil & Gas Lease No. V-3836

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well: OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER

b. Type of Completion: NEW WELL ☐ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☒ OTHER add legs

7. Lease Name or Unit Agreement Name: Vacuum, 9205 JV-P Com

2. Name of Operator: BTA Oil Producers

8. Well No. 1

3. Address of Operator: 104 S. Pecos, Midland, TX 79701 (915) 682-3753

9. Pool name or Wildcat: Vacuum, North (ABO)

4. Well Location
BHL #1 427/N & 1946/W C-31-16S-35E
BHL #2 766/S & 1960/W N-31-16S-35E

Unit Letter J : 1980 Feet From The south Line and 660 Feet From The west Line

Section 31 Township 16S Range 35E NMPM Lea County

10. Date Spudded	11. Date T.D. Reached	12. Date Compl. (Ready to Prod.)	13. Elevations (DF& RKB, RT, GR, etc.)	14. Elev. Casinghead
06/08/06 -Reentry	07/07/06	8/15/06	4025' GR 4042' RKB	---

15. Total Depth	16. Plug Back T.D.	17. If Multiple Compl. How Many Zones? N/A	18. Intervals Drilled By	Rotary Tools	Cable Tools
12,900' TVD	12,260'			N/A	N/A

19. Producing Interval(s), of this completion - Top, Bottom, Name
8570-10529' (MD); 8730-12006' (MD); 8828-41'; 8870-74'; 8907-12'; 8918-20'

20. Was Directional Survey Made: Yes

21. Type Electric and Other Logs Run: ---

22. Was Well Cored: ---

23. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13-3/8"	68#	423'	17-1/2"	480 sx	Circ
8-5/8"	32#	4795'	11"	2500 sx	Circ
5-1/2"	17 & 20#	12900'	7-7/8"	2100 sx	Circ
		CIBP @	12300'		

24. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

25. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2-7/8"	9133'	---

26. Perforation record (interval, size, and number)
8870 – 74', 8907 – 12', 8918 – 20' (orig)
8730-12006' (MD) Lateral #1
8570-10529' (MD) Lateral #2

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
8870 - 8920'	A w/11000 gal 20% NeFe (orig)
8730-12006'	A w/35580 gal 15% HCl
9250-10250' Lat #2	A w/13000 gal 15% HCl

28 PRODUCTION

Date First Production	Production Method (Flowing, gas lift, pumping - Size and type pump)	Well Status (Prod. or Shut-in)
8/15/06 (rework)	Pumping 2-1/2"x1-1/2"x24' RHBC	Producing

Date of Test	Hours Tested	Choke Size	Prod'n For Test Period	Oil - Bbl	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
8/29/06	24	N/A		121	109	88	900

Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - (Corr.)
---	---		121	109	88	49.8

29. Disposition of Gas (Sold, used for fuel, vented, etc.): Sold

Test Witnessed By: Tom Williams

30. List Attachments: C116

31. I hereby certify that the information shown on both sides of this form as true and complete to the best of my knowledge and belief

Signature Pam Inskeep Printed Name Pam Inskeep Title Regulatory Administrator Date 9/8/2006

KZ

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 25 through 29 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico				Northwestern New Mexico			
T. Anhy		T. Canyon		T. Ojo Alamo		T. Penn. "B"	
T. Salt		T. Strawn	11781'	T. Kirtland-Fruitland		T. Penn. "C"	
B. Salt		T. Atoka		T. Pictured Cliffs		T. Penn. "D"	
T. Yates		T. Miss	12504'	T. Cliff House		T. Leadville	
T. 7 Rivers		T. Devonian		T. Menefee		T. Madison	
T. Queen		T. Silurian		T. Point Lookout		T. Elbert	
T. Grayburg		T. Montoya		T. Mancos		T. McCracken	
T. San Andres		T. Simpson		T. Gallup		T. Ignacio Otzte	
T. Glorieta	6224'	T. McKee		Base Greenhorn		T. Granite	
T. Paddock		T. Ellenburger		T. Dakota		T	
T. Blinebry		T. Gr. Wash		T. Morrison		T.	
T.Tubb	7518'	T. Delaware Sand		T.Todilto		T	
T. Drinkard		T. Bone Springs		T. Entrada		T.	
T. Abo	8185'	T.		T. Wingate		T.	
T. Wolfcamp		T.		T. Chinle		T.	
T. Penn		T.		T. Permian		T.	
T. Cisco (Bough C)		T.		T. Penn "A"		T.	

OIL OR GAS SANDS OR ZONES

No. 1, from...8870.....to.....8920..... No. 3, from.....8570.....to.....10529.....

No. 2, from...8730.....to.....12006..... No. 4, from.....to.....

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from.....to.....feet.....

No. 2, from.....to.....feet.....

No. 3, from.....to.....feet.....

LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness In Feet	Lithology	From	To	Thickness In Feet	Lithology
Surf	423	423	Surface rock & sand				
423	1800	1377	Anhydrite				
1800	3015	1665	Salt & Anhydrite				
3015	4105	1090	Shale & Anhydrite				
4105	5890	1785	Anhydrite, Dolomite, Shale & Sand				
5890	6815	925	Dolomite & Shale				
6815	8875	2060	Dolomite				
8875	9755	880	Dolomite, Anhydrite & Lime				
9755	10134	379	Lime & Chert				
10134	12045	1911	Lime & Shale				
12045	12900	855	Lime, Sand & Shale				

Submit To Appropriate District Office
Two Copies
District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, 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-105
July 17, 2008

1. WELL API NO. 30-025-35678
2. Type of Lease ☒ STATE ☐ FEE ☐ FED/INDIAN
3. State Oil & Gas Lease No.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

4. Reason for filing:

☒ **COMPLETION REPORT** (Fill in boxes #1 through #31 for State and Fee wells only)

☐ **C-144 CLOSURE ATTACHMENT** (Fill in boxes #1 through #9, #15 Date Rig Released and #32 and/or #33; attach this and the plat to the C-144 closure report in accordance with 19.15.17.13.K NMAC)

5. Lease Name or Unit Agreement Name: **NORTH VACUUM ABO NORTH UNIT**
6. Well Number: **#62**

7. Type of Completion: ☐ NEW WELL ☒ WORKOVER ☐ DEEPENING ☒ PLUGBACK ☒ DIFFERENT RESERVOIR ☐ OTHER

8. Name of Operator: **LIME ROCK RESOURCES II-A, L.P.**
9. OGRID: 277558
10. Address of Operator: c/o Mike Pippin LLC, 3104 N. Sullivan, Farmington, NM 87401
11. Pool name or Wildcat: North Vacuum (Abo) (61760)

12.Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County
Surface:	A	1	17-S	34-E		660	North	660	East	Lea
BH:										

13. Date Spudded	14. Date T.D. Reached	15. Date Drilling Rig Released	16. Date Completed (Ready to Produce	17. Elevations (DF and RKB, RT, GR, etc.):
9/3/01	10/12/01	10/14/01	WO: 6/27/16	4033' GR

18. Total Measured Depth of	19. Plug Back Measured Depth	20. Was Directional Survey Made?	21. Type Electric and Other Logs Run
12750'	9110'	Yes	Induction, Density, CBLs

22. Producing Interval(s), of this completion - Top, Bottom, Name
8857'-8865', 8873'-8875', 8887'-8897', 8904'-8914' - Abo

23. **CASING RECORD** (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
11-3/4"	42#	1610'	14-3/4"	550sx PozC+250sxC	0'
8-5/8"	32#	5020'	11"	950sx50:50Poz+240sxC	0'
4-1/2"	11.6#	12750'	7-7/8"	380sxH+900sxPozH+100sxC	0'

24. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

25. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2-3/8"	9070'	

26. Perforation record (interval, size, and number)
Abo: 8857'-8865', 8873'-8875', 8887'-8897', & 8904'-8914' w/3 spf

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
9175'-4 SQ holes	Sq w/180 sx "C" cmt.
8630'-4 SQ holes	SQ w/50 sx cmt
8857'-8914'	1500 gal 15% HCL, 10,500 gal gelled acid, 1470 gal rocksalt, & 10,500 gal gelled acid

28. PRODUCTION

Date First Production	Production Method (Flowing, gas lift, pumping - Size and type pump)	Well Status (Prod. or Shut-in)
READY	Pumping	Pumping

Date of Test	Hours Tested	Choke Size	Prod'n For Test Period:	Oil - Bbl	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
Within 30 days							

Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - (Corr.)

29. Disposition of Gas (Sold, used for fuel, vented, etc.)
To Be Sold
30. Test Witnessed By:
Jerry Smith

31. List Attachments

32. If a temporary pit was used at the well, attach a plat with the location of the temporary pit.

33. If an on-site burial was used at the well, report the exact location of the on-site burial:

Latitude Longitude NAD 1927 1983

I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief

Signature Mike Pippin Printed Name Mike Pippin Title: Petroleum Engineer Date: 7/7/16

E-mail Address: mike@pippinllc.com

KB

State Lease - 6 copies
Fee Lease - 5 copies
District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, 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-105
Revised June 10, 2003

WELL API NO.
30-025-37993

5. Indicate Type of Lease
STATE X FEE ☐

State Oil & Gas Lease No.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well:
OIL WELL ☐ GAS WELL X DRY ☐ OTHER

b. Type of Completion:
NEW WELL X WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER

7. Lease Name or Unit Agreement Name
Encore "36" State

2. Name of Operator
Encore Operating, L.P.

8. Well No.
1

3. Address of Operator
777 Main Street, Ste. 1400, Fort Worth, Tx. 76102

9. Pool name or Wildcat
Vacuum, Atoka-Morrow North (Gas)

4. Well Location
Unit Letter J : 1330 Feet From The South Line and 1750 Feet From The East Line

Section 36 Township 16S Range 34E NMPM Lea County

Received Hobbs OCD

10. Date Spudded	11. Date T.D. Reached	12. Date Compl. (Ready to Prod.)	13. Elevations (DF& RKB, RT, GR, etc.)	14. Elev. Casinghead
8/20/06	10/21/06	12/5/06	4038 GR	

15. Total Depth	16. Plug Back T.D.	17. If Multiple Compl. How Many Zones?	18. Intervals Drilled By	Rotary Tools	Cable Tools
13030	12958'			X	

19. Producing Interval(s), of this completion - Top, Bottom, Name
Morrow 12479-12790

20. Was Directional Survey Made
NO

21. Type Electric and Other Logs Run
GR/CCL

22. Was Well Cored
NO

23. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13 3/8	48	555	17 ½	440 sx circ	
8 5/8	32	4539	11	1565 sx circ	
5 1/2	17	12586	7 7/8	1050 sx + 350	
				TOC @ 5560'	

24. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN
3 ½	12534	1313028	50	

25. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2 3/8	12440	12440

26. Perforation record (interval, size, and number)
12766-12781 6 spf (96 holes)
12758-12760 6 spf (12 holes)
12712-12717 6 spf (30 holes)
12482-12496 6 spf (84 holes)

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
12482-12496	No stimulation
12518'	Pkr w/plug
12712-12781	109000 gls 65Q fpa,+76000# 2040 baurite

28 PRODUCTION

Date First Production	Production Method (Flowing, gas lift, pumping - Size and type pump)	Well Status (Prod. or Shut-in)
12/11/2006	Flowing	Producing

Date of Test	Hours Tested	Choke Size	Prod'n For Test Period	Oil - Bbl	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
12/19/2006	24	11/64"	24	6	3527	0	

Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - (Corr.)
5650	0		6	3527	0	

29. Disposition of Gas (Sold, used for fuel, vented, etc.)
Sold

Test Witnessed By

30. List Attachments
Electric logs and inclination

31. I hereby certify that the information shown on both sides of this form as true and complete to the best of my knowledge and belief

Signature

Printed Name Ann Burdette Wiley Title Sr. Regulatory Analyst Date 12/19/2006

E-mail Address awiley@encoreacq.com

Submit To Appropriate District Office
State Lease - 6 copies
Fee Lease - 5 copies
District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, 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

Received SEP 2005 Hobbs

Form C-105
Revised June 10, 2003

WELL API NO. 30-025-37018

5. Indicate Type of Lease STATE ☑ FEE ☐

State Oil & Gas Lease No. B-936

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well: OIL WELL ☑ GAS WELL ☐ DRY ☐ OTHER

b. Type of Completion: NEW WELL ☑ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER

7. Lease Name or Unit Agreement Name: NORTH VACUUM ABO NORTH UNIT

2. Name of Operator: SAGE ENERGY COMPANY

8. Well No. 123

3. Address of Operator: P.O. Box 3068, Midland, TX, 79701

9. Pool name or Wildcat: NORTH VACUUM ABO

4. Well Location
Unit Letter O : 608 Feet From The SOUTH Line and 1777 Feet From The EAST Line
Section 36 Township 16-S Range 34-E NMPM LEA County

10. Date Spudded	11. Date T.D. Reached	12. Date Compl. (Ready to Prod.)	13. Elevations (DF& RKB, RT, GR, etc.)	14. Elev. Casinghead
3/30/05	6/10/05	8/10/05	4037' GR	4037'

15. Total Depth	16. Plug Back T.D.	17. If Multiple Compl. How Many Zones?	18. Intervals Drilled By	Rotary Tools	Cable Tools
8883'/8856'	N/A			ALL	

19. Producing Interval(s), of this completion - Top, Bottom, Name: (TVD) 8862'-83', Abo

20. Was Directional Survey Made: YES

21. Type Electric and Other Logs Run: CNL

22. Was Well Cored: NO

23. **CASING RECORD** (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13 3/8	48	450	17 1/2	440sx PrePlus	
8 5/8	32	4063	11	1600sx PrePlus	
5 1/2	15.5 & 17	8748	7 7/8	850 sx	

24. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

25. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2 7/8	8694	N/A

26. Perforation record (interval, size, and number)
TWO LATERALS!
135°: 8980-10502
330°: 8721-10159

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
8980-10502	65000 G 20% HCl

28 **PRODUCTION**

Date First Production	Production Method (Flowing, gas lift, pumping - Size and type pump)	Well Status (Prod. or Shut-in)
8/10/05	PUMP 2"x1 1/2"x28' RHBC	PROD.

Date of Test	Hours Tested	Choke Size	Prod'n For Test Period	Oil - Bbl	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
9/22/05	24		24	33	15	10	455

Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - (Corr.)
	30		33	15	10	34

29. Disposition of Gas (Sold, used for fuel, vented, etc.): SOLD

Test Witnessed By: Eddie Elliott

30. List Attachments: C-103, C-104, C-116, DIRECTIONAL SURVEYS, CNL

31. I hereby certify that the information shown on both sides of this form as true and complete to the best of my knowledge and belief

Signature George M. Harris Jr. Printed Name GEORGE M. HARRIS, JR. Title DIST. ENG. Date 9/27/05

KZ

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 25 through 29 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico		Northwestern New Mexico	
T. Anhy	T. Canyon	T. Ojo Alamo	T. Penn. "B"
T. Salt	T. Strawn	T. Kirtland-Fruitland	T. Penn. "C"
B. Salt	T. Atoka	T. Pictured Cliffs	T. Penn. "D"
T. Yates	T. Miss	T. Cliff House	T. Leadville
T. 7 Rivers	T. Devonian	T. Menefee	T. Madison
T. Queen	T. Silurian	T. Point Lookout	T. Elbert
T. Grayburg	T. Montoya	T. Mancos	T. McCracken
T. San Andres	T. Simpson	T. Gallup	T. Ignacio Otzte
T. Glorieta	T. McKee	Base Greenhorn	T. Granite
T. Paddock	T. Ellenburger	T. Dakota	T
T. Blinebry	T. Gr. Wash	T. Morrison	T.
T.Tubb 7505	T. Delaware Sand	T.Todilto	T
T. Drinkard 7595	T. Bone Springs	T. Entrada	T.
T. Abo 8518	T.	T. Wingate	T.
T. Wolfcamp	T.	T. Chinle	T.
T. Penn	T.	T. Permian	T.
T. Cisco (Bough C)	T.	T. Penn "A"	T.

OIL OR GAS SANDS OR ZONES

No. 1, from.....to..... No. 3, from.....to.....

No. 2, from.....to..... No. 4, from.....to.....

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from.....to.....feet.....

No. 2, from.....to.....feet.....

No. 3, from.....to.....feet.....

LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness In Feet	Lithology	From	To	Thickness In Feet	Lithology
7500	7595	95'	Sand				
7595	8700	1105'	Dolomite				

NO. OF COPIES RECEIVED		
DISTRIBUTION		
SANTA FE		
FILE		
U.S.G.S.		
LAND OFFICE		
OPERATOR		

Form C-105
Revised 1-1-65

NEW MEXICO OIL CONSERVATION COMMISSION
WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5a. Indicate Type of Lease: State [X] Fee [ ]

5. State Oil & Gas Lease No.: B-936

1a. TYPE OF WELL: OIL WELL [X] GAS WELL [ ] DRY [ ] OTHER

b. TYPE OF COMPLETION: NEW WELL [X] WORK OVER [ ] DEEPEN [ ] PLUG BACK [ ] DIFF. RESVR. [ ] OTHER

7. Unit Agreement Name:

8. Farm or Lease Name: Exxon "A" State

2. Name of Operator: K. K. Amini

9. Well No.: 2

3. Address of Operator: P. O. Drawer 3068, Midland, Texas 79701

10. Field and Pool, or Wildcat: North Vacuum Abo

4. Location of Well: UNIT LETTER 0 LOCATED 460 FEET FROM THE South LINE AND 1980 FEET FROM THE East LINE OF SEC. 36 TWP. 16S RGE. 34E NMPM

12. County: Lea

15. Date Spudded	16. Date T.D. Reached	17. Date Compl. (Ready to Prod.)	18. Elevations (DF, RKB, RT, GR, etc.)	19. Elev. Cashinghead
11/15/75	12/7/75	1/2/76	4038.1 GL	

20. Total Depth	21. Plug Back T.D.	22. If Multiple Compl., How Many	23. Intervals Drilled By	Rotary Tools	Cable Tools
8950'			→	X	

24. Producing Interval(s), of this completion — Top, Bottom, Name: 8818' - 8867'

25. Was Directional Survey Made: No

26. Type Electric and Other Logs Run: Sidewall Neutron Porosity Log

27. Was Well Cored: No

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8"	24#	1672'	12 1/4"	685 sks.	-0-
4 1/2"	10.5# &11.6#	8950'	7 7/8"	750 sks.	-0-

29. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

30. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2 3/8"	8816'	

31. Perforation Record (Interval, size and number)

12 shots Select Fire .52
8818, 8819, 8841.5, 8849, 8849.5,
8853, 8854, 8855, 8856, 8856.5,
8866.5, 8867

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
8818-8867	20,000 Gals. Acid

33. PRODUCTION

Date First Production	Production Method (Flowing, gas lift, pumping — Size and type pump)	Well Status (Prod. or Shut-in)
1/2/76	Pumping 2" x 1 1/4" x 18' RHBC	Producing

Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period →	Oil — Bbl.	Gas — MCF	Water — Bbl.	Gas—Oil Ratio
1/3/76	24			81	81	TSM	1000-1

Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate →	Oil — Bbl.	Gas — MCF	Water — Bbl.	Oil Gravity — API (Corr.)
	40		81	81	TSM	36

34. Disposition of Gas (Sold, used for fuel, vented, etc.): Vented

Test Witnessed By: Joel Lawhorn

35. List of Attachments: Sidewall Neutron Porosity Log

36. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.

SIGNED [signature] TITLE Comptroller DATE 1/8/76

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Commission not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 30 through 34 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico				Northwestern New Mexico			
T. Anhy	T.	Canyon	T.	Ojo Alamo	T.	Penn. "B"	
T. Salt	T.	Strawn	T.	Kirtland-Fruitland	T.	Penn. "C"	
B. Salt	T.	Atoka	T.	Pictured Cliffs	T.	Penn. "D"	
T. Yates	T.	Miss	T.	Cliff House	T.	Leadville	
T. 7 Rivers	T.	Devonian	T.	Menefee	T.	Madison	
T. Queen	T.	Silurian	T.	Point Lookout	T.	Elbert	
T. Grayburg	T.	Montoya	T.	Mancos	T.	McCracken	
T. San Andres	T.	Simpson	T.	Gallup	T.	Ignacio Qtzte	
T. Glorieta	T.	McKee	Base Greenhorn		T.	Granite	
T. Paddock	T.	Ellenburger	T.	Dakota	T.		
T. Blinebry	T.	Gr. Wash	T.	Morrison	T.		
T. Tubb	T.	Granite	T.	Todilto	T.		
T. Drinkard	T.	Delaware Sand	T.	Entrada	T.		
T. Abo 8818	T.	Bone Springs	T.	Wingate	T.		
T. Wolfcamp	T.		T.	Chinle	T.		
T. Penn.	T.		T.	Permian	T.		
T Cisco (Bough C)	T.		T.	Penn. "A"	T.		

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
8818'	8867	12	Abo				

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

State of New Mexico
Energy, Minerals and Natural Resources Department
Oil Conservation Division Hobbs District Office

BRADENHEAD TEST REPORT

Operator Name	API Number
Unitex Oil & Gas, L. L. C.	30-025-25170
Property Name	**Well No.**
NORTH VACUUM ABO NORTH UNIT 12A-2	002

Surface Location

UL - Lot	Section	Township	Range		Feet from	N/S Line	Feet From	E/W Line	County
O	36	16S	34E		460	S	1980	E	LEA

Well Status

TA'D WELL		SHUT-IN		INJECTOR		PRODUCER		DATE
YES	(NO)	(YES)	NO	INJ	SWD	(OIL)	GAS	8-7-23

OBSERVED DATA

	(A)Surface	(B)Interm(1)	(C)Interm(2)	(D)Prod Csng	(E)Tubing
Pressure	0	N/A	N/A	18	34
Flow Characteristics					
Puff	Y / (N)	Y / N	Y / N	Y / N	CO2 ___
Steady Flow	Y / (N)	Y / N	Y / N	Y / N	WTR ___
Surges	Y / (N)	Y / N	Y / N	Y / N	GAS ___
Down to nothing	(Y) / N	Y / N	Y / N	Y / (N)	Type of Fluid Injected for Waterflood if applies.
Gas or Oil	Y / (N)	Y / N	Y / N	Y / N	
Water	Y / (N)	Y / N	Y / N	Y / N	

Remarks – Please state for each string (A,B,C,D,E) pertinent information regarding bleed down or continuous build up if applies.

Signature: Ronny Avery		OIL CONSERVATION DIVISION
Printed name: Ronnie Avery		Entered into RBDMS
Title: Supervisor		Re-test
E-mail Address:		
Date: 8-7-23	Phone: 325-574-5167	
	Witness:	

INSTRUCTIONS ON BACK OF THIS FORM

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 281506

CONDITIONS

Operator: Unitex Oil & Gas, L.L.C. 508 W Wall Street, Suite 1000 Midland, TX 79701	OGRID: 373671
	Action Number: 281506
	Action Type: [UF-BHT] Bradenhead Test (BRADENHEAD TEST)

CONDITIONS

Created By	Condition	Condition Date
kfortner	None	1/8/2024

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

Form C-105
Revised 1-1-65

NEW MEXICO OIL CONSERVATION COMMISSION

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5a. Indicate Type of Lease: State [X] Fee [ ]

5. State Oil & Gas Lease No.: B-936

1a. TYPE OF WELL: OIL WELL [X] GAS WELL [ ] DRY [ ] OTHER

b. TYPE OF COMPLETION: NEW WELL [X] WORK OVER [ ] DEEPEN [ ] PLUG BACK [ ] DIFF. RESVR. [ ] OTHER

7. Unit Agreement Name:

8. Farm or Lease Name: Exxon "A" State

9. Well No.: 1

2. Name of Operator: K. K. Amini

10. Field and Pool, or Wildcat: North Vacuum Abo

3. Address of Operator: P. O. Drawer 3068, Midland, Texas 79701

4. Location of Well: UNIT LETTER P LOCATED 460 FEET FROM THE South LINE AND 660 FEET FROM THE East LINE OF SEC. 36 TWP. 16S RGE. 34E NMPM

12. County: Lea

15. Date Spudded	16. Date T.D. Reached	17. Date Compl. (Ready to Prod.)	18. Elevations (DF, RKB, RT, GR, etc.)	19. Elev. Cashinghead
10/19/75	11/13/75	12/1/75	4036.7 GL	

20. Total Depth	21. Plug Back T.D.	22. If Multiple Compl., How Many	23. Intervals Drilled By	Rotary Tools	Cable Tools
8980'			→	X	

24. Producing Interval(s), of this completion — Top, Bottom, Name: 8847' - 8897.5'

25. Was Directional Survey Made: No

26. Type Electric and Other Logs Run: Sidewall Neutron Porosity Log

27. Was Well Cored: No

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8"	24#	1680'	12 1/4"	760	-0-
4 1/2"	10.5# & 11.6#	8980'	7 7/8"	800	-0-

29. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

30. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2 3/8"	8837	

31. Perforation Record (Interval, size and number)

17 shots Select Fire .46
8847, 8848, 8849, 8850, 8851, 8852, 8877, 8878, 8879, 8880, 8881, 8882, 8883, 8884, 8885, 8896.5, 8897.5

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
8847 - 8897.5	20,000 gals. acid

33. PRODUCTION

Date First Production	Production Method (Flowing, gas lift, pumping — Size and type pump)	Well Status (Prod. or Shut-in)
12/1/75	Pumping 2" x 1 1/4" x 18' RHBC	Producing

Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period →	Oil — Bbl.	Gas — MCF	Water — Bbl.	Gas — Oil Ratio
12/2/75	24			95	93	TSM	975-1

Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate →	Oil — Bbl.	Gas — MCF	Water — Bbl.	Oil Gravity — API (Corr.)
	35		95	93	TSM	36

34. Disposition of Gas (Sold, used for fuel, vented, etc.): Vented

Test Witnessed By: Joel Lawhorn

35. List of Attachments: Sidewall Neotron Porosity Log

36. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.

SIGNED [signature] TITLE Comptroller DATE 12/3/75

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Commission not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 30 through 34 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico				Northwestern New Mexico			
T. Anhy		T. Canyon		T. Ojo Alamo		T. Penn. "B"	
T. Salt		T. Strawn		T. Kirtland-Fruitland		T. Penn. "C"	
B. Salt		T. Atoka		T. Pictured Cliffs		T. Penn. "D"	
T. Yates		T. Miss		T. Cliff House		T. Leadville	
T. 7 Rivers		T. Devonian		T. Menefee		T. Madison	
T. Queen		T. Silurian		T. Point Lookout		T. Elbert	
T. Grayburg		T. Montoya		T. Mancos		T. McCracken	
T. San Andres		T. Simpson		T. Gallup		T. Ignacio Qtzte	
T. Glorieta		T. McKee		Base Greenhorn		T. Granite	
T. Paddock		T. Ellenburger		T. Dakota		T.	
T. Blinebry		T. Gr. Wash		T. Morrison		T.	
T. Tubb		T. Granite		T. Todilto		T.	
T. Drinkard		T. Delaware Sand		T. Entrada		T.	
T. Abo	8847	T. Bone Springs		T. Wingate		T.	
T. Wolfcamp		T.		T. Chinle		T.	
T. Penn.		T.		T. Permian		T.	
T Cisco (Bough C)		T.		T. Penn. "A"		T.	

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
8847	8897.5	17	Abo				

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

HOBBS OCD
JUL 23 2012
RECEIVED

Form C-103
Revised August 1, 2011

WELL API NO. 30-025-25146
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: North Vacuum ABO North Unit 17-A
1. Type of Well: Oil Well ☒ Gas Well ☐ Other
8. Well Number 1
2. Name of Operator: Sheridan Production Company, LLC
9. OGRID Number 252496
3. Address of Operator: 9 Greenway Plaza, Suite 300, Houston TX 77046
10. Pool name or Wildcat: Vacuum; ABO North
4. Well Location
Unit Letter P : 460 feet from the South line and 660 feet from the East line
Section 36 Township 16S Range 34E 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	☐		
DOWNHOLE COMMINGLE	☐						
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.

8-17-10 Notified BLM of Plugging
8-18-10 Mix & Spot 20sx Class "C" Cmt. @ 1764' - WOC 4 Hrs - Tag Cmt @ 780'
8-18-10 Perf. Casing @ 575' - Circulate Cmt to Surf. of 8 5/8" Csng w/ 140sx Class "C"
8-19-10 Cut off w/H 3' BGL - Install Marker, RDMO

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 Cory Bruton TITLE Plugging Supervisor DATE 8-20-10

Type or print name Cory Bruton E-mail address: Kendell@rjcstrucking.com PHONE: 4325235786

For State Use Only

APPROVED BY: Mahy L Brown TITLE Compliance Officer DATE 9/12/2012
Conditions of Approval (if any)

SEP 13 2012

NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

Response Required – Deadline Enclosed

15-May-12

HOBBS OCD
MAY 15 2012
RECEIVED

SHERIDAN PRODUCTION COMPANY, LLC
9 GREENWAY PLAZA SUITE 1300
HOUSTON TX 77046

LETTER OF VIOLATION - Inspection

Dear Operator,

The following inspection(s) indicate that the well, equipment, location or operational status of the well(s) failed to meet standards of the New Mexico Oil Conservation Division as described in the detail section below. To comply with standards imposed by Rules and Regulations of the Division, corrective action must be taken immediately and the situation brought into compliance The detail section indicates preliminary findings and/or probable nature of the violation. This determination is based on an inspection of your well or facility by an inspector employed by the Oil Conservation Division on the date(s) indicated

Please notify the proper district office of the Division, in writing, of the date corrective actions are scheduled to be made so that arrangements can be made to reinspect the well and/or facility.

INSPECTION DETAIL SECTION

NORTH VACUUM ABO NORTH UNIT No.001 P-36-16S-34E **30-025-25146-00-00**

Inspection Date	Type Inspection	Inspector	Violation?	*Significant Non-Compliance?	Corrective Action Due By:	Inspection No.
05/14/2012	Plugged Well Surface Restor	Maxey Brown	Yes	No	6/17/2012	iMGB1213557787

Comments on Inspection: DO NOT RELEASE. RULE 19.15.25.10 NEED TO MAKE ADDITONS TO P/A MARKER NEED UNIT LETTER OR FOOTAGE NEED TO SUBMIT C-103 SUBSEQUENT FOR PLUGGING ALSO THIS WELL IS IN THE 1YEAR TIME FRAME FOR CLEANUP AND RELEASE OF LOCATION REMOVE SIGN, MISC JUNK AND FLOWLINE AS INDICATED IN PHOTOS. THIS IS 1ST LETTER OF NON-COMPLIANCE MGB

NO C-103 FILED AFTER P+A

NORTH VACUUM ABO NORTH UNIT No.123 O-36-16S-34E **30-025-37018-00-00**

Inspection Date	Type Inspection	Inspector	Violation?	*Significant Non-Compliance?	Corrective Action Due By:	Inspection No.
05/14/2012	Routine/Periodic	Maxey Brown	Yes	No	8/17/2012	iMGB1213558245

Violations
Absent Well Identification Signs (Rule 103)

Comments on Inspection: RULE 19.15.16.8 NEED TO INSTALL WELL SIGN THIS IS 1ST LETTER OF NON-COMPLIANCE MGB

Oil Conservation Division 1625 N. French Drive Hobbs, New Mexico 88240
Phone 575-393-6161 * Fax 575-393-0720 * http://www.emnrd.state.nm.us

MAY 15 2012

In the event that a satisfactory response is not received to this letter of direction by the "Corrective Action Due By" date shown above, further enforcement will occur. Such enforcement may include this office applying to the Division for an order summoning you to a hearing before a Division Examiner in Santa Fe to show cause why you should not be ordered to permanently plug and abandon this well. Such a hearing may result in imposition of CIVIL PENALTIES for your violation of OCD rules.

Sincerely,

Mallory Brown

COMPLIANCE OFFICER

Hobbs OCD District Office

Note: Information in Detail Section comes directly from field inspector data entries - not all blanks will contain data
Signific ant Non-Compliance events are reported directly to the EPA, Region VI, Dallas, Texas

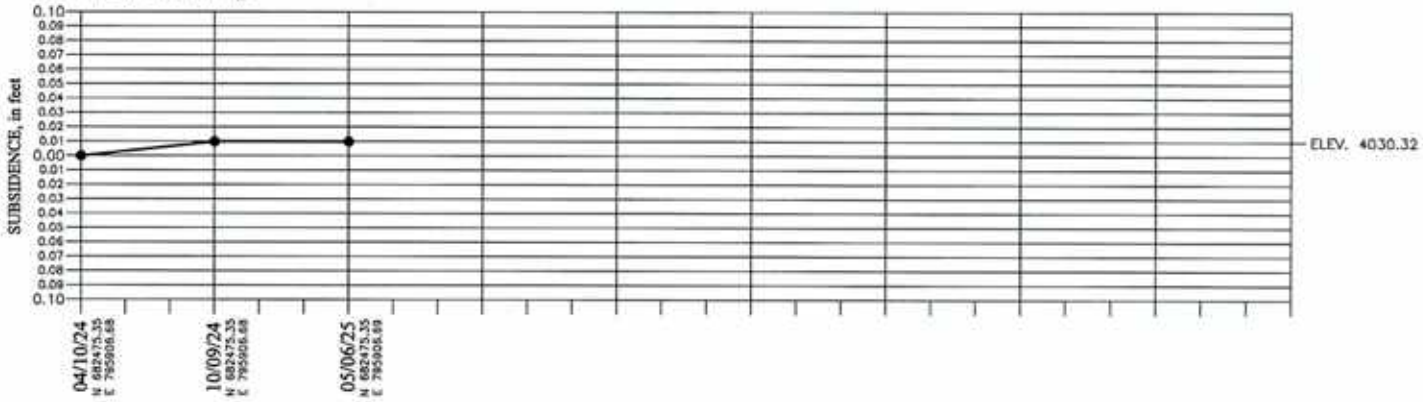
Appendix E

Subsidence Survey Reports

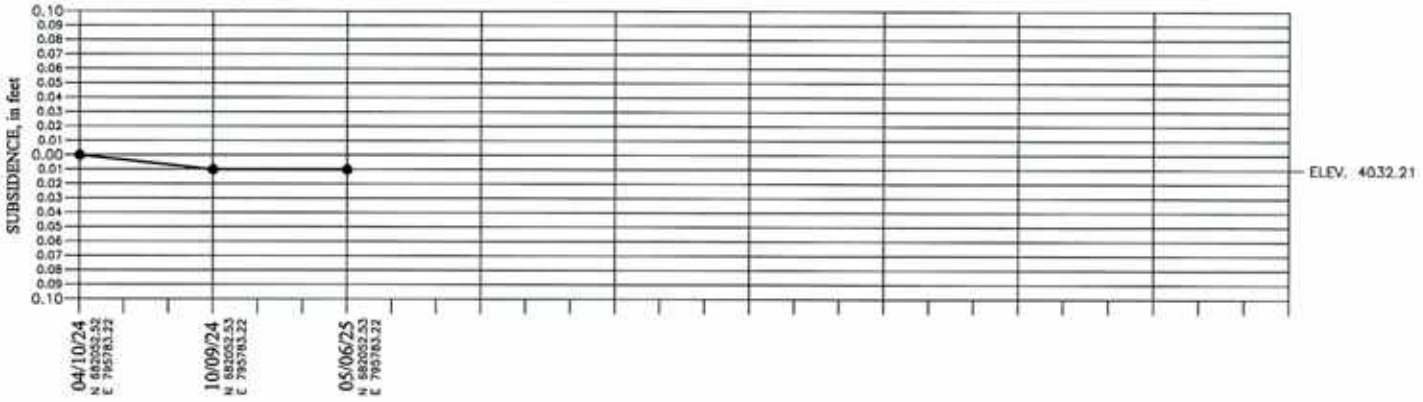
VERTICAL SUBSIDENCE TABLE
WASSERHUND INC. – EIDSON STATE #001 (BW–004)

NEW MEXICO EAST NAD 83

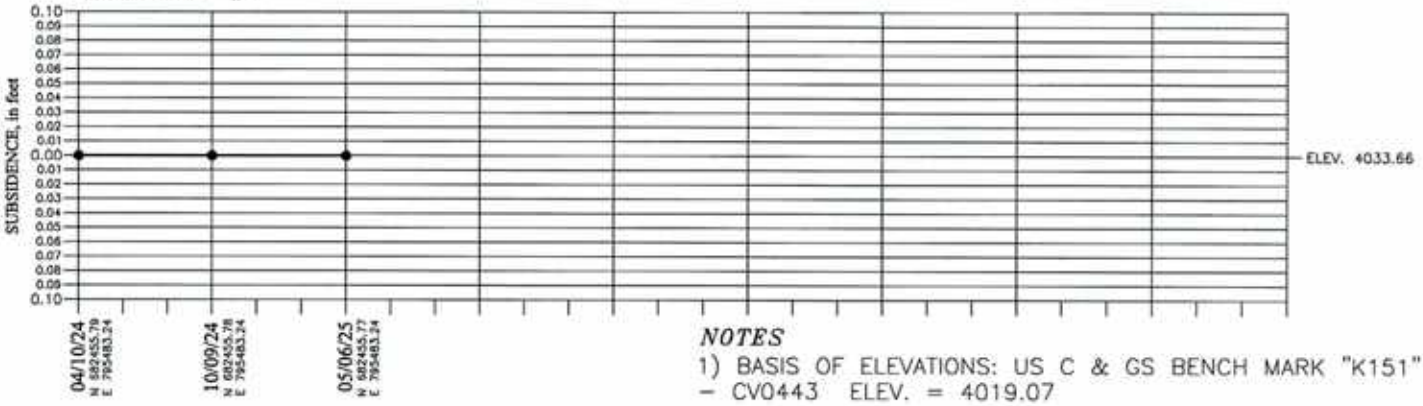
MONUMENT #1



MONUMENT #2



MONUMENT #3



NOTES

1) BASIS OF ELEVATIONS: US C & GS BENCH MARK "K151" – CV0443 ELEV. = 4019.07

2) OBSERVATIONS WERE MADE USING TOPCON–HIPER PLUS GPS SYSTEM UTILIZING REAL TIME KINEMATIC METHODS FROM A BASE POINT LOCATED AT N–681878.43 E–796655.34 ELEV.=4025.64

SURVEYORS CERTIFICATE

I, TERRY J. ASEL, NEW MEXICO PROFESSIONAL SURVEYOR NO. 15079, DO HEREBY CERTIFY THAT I CONDUCTED AND AM RESPONSIBLE FOR THIS SURVEY, THAT THIS SURVEY IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF, AND MEETS THE "MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO" AS ADOPTED BY THE NEW MEXICO STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS AND SURVEYORS.

Terry J. Asel 5/9/2025

Terry J. Asel, N.M. R.P.L.S. No. 15079

TERRY J ASEL NEW MEXICO 15079 REGISTERED PROFESSIONAL LAND SURVEYOR

Asel Surveying, LLC
P.O. BOX 393 – 310 W. TAYLOR
HOBBS, NEW MEXICO – 575–393–9146

WASSERHUND INC.

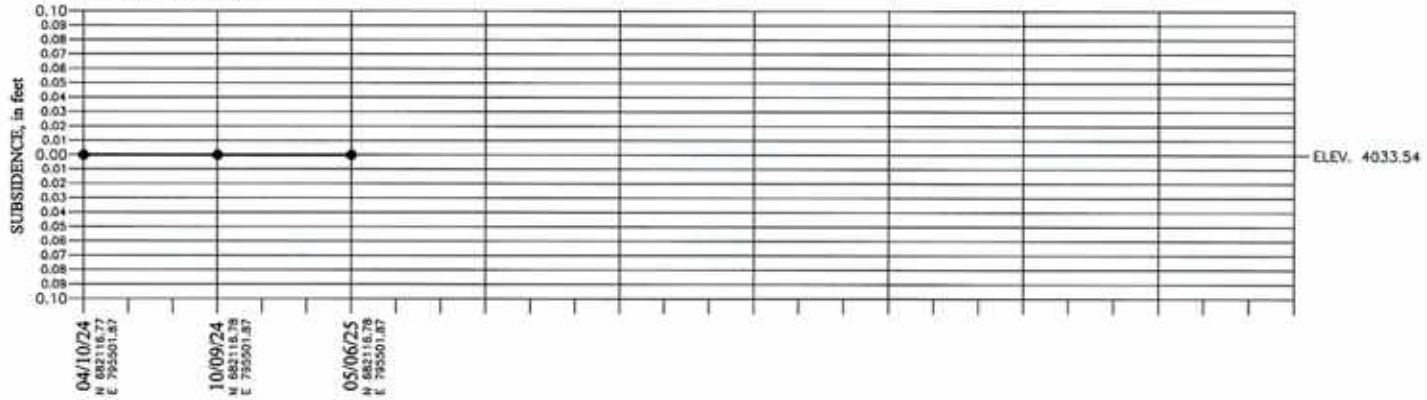
SUBSIDENCE MONITORING FOR THE WASSERHUND INC. – EIDSON STATE #001 (BW–004) IN SECTION 31, TOWNSHIP 16 SOUTH, RANGE 35 EAST, N.M.P.M., LEA COUNTY, NEW MEXICO

Survey Date: 05/06/25	Sheet 1 of 2 Sheets	
W.O. Number: 250506MS	Drawn By: KA	Rev:
Date: 05/07/25	250506MS	Scale:1"=1000'

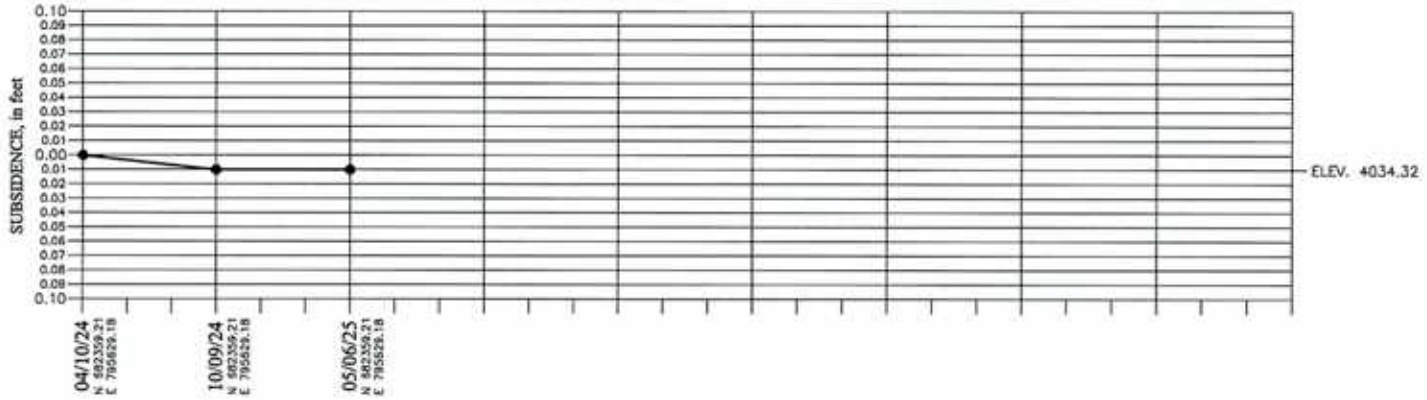
VERTICAL ELEVATION TABLE
WASSERHUND INC. – EIDSON STATE #001 (BW–004)

NEW MEXICO EAST NAD 83

MONUMENT #4



BOTTOM FLANGE OF WELLHEAD



TERRY J ASEL
NEW MEXICO
15079
REGISTERED PROFESSIONAL LAND SURVEYOR

NOTES

1) BASIS OF ELEVATIONS: US C & GS BENCH MARK "K151" – CV0443 ELEV. = 4019.07

2) OBSERVATIONS WERE MADE USING TOPCON–HIPER PLUS GPS SYSTEM UTILIZING REAL TIME KINEMATIC METHODS FROM A BASE POINT LOCATED AT N–681878.43 E–796655.34 ELEV.=4025.64

SURVEYORS CERTIFICATE

I, TERRY J. ASEL, NEW MEXICO PROFESSIONAL SURVEYOR NO. 15079, DO HEREBY CERTIFY THAT I CONDUCTED AND AM RESPONSIBLE FOR THIS SURVEY, THAT THIS SURVEY IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF, AND MEETS THE "MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO" AS ADOPTED BY THE NEW MEXICO STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS AND SURVEYORS.

Terry J. Asel 5/9/2025

Terry J. Asel N.M. R.P.L.S. No. 15079

Asel Surveying, LLC
P.O. BOX 393 – 310 W. TAYLOR
HOBBS, NEW MEXICO – 575–393–9146

WASSERHUND INC.

SUBSIDENCE MONITORING FOR THE WASSERHUND INC. – EIDSON STATE #001 (BW–004) IN SECTION 31, TOWNSHIP 16 SOUTH, RANGE 35 EAST, N.M.P.M., LEA COUNTY, NEW MEXICO

Survey Date: 05/06/25	Sheet 2 of 2 Sheets	
W.O. Number: 250506MS	Drawn By: KA	Rev:
Date: 05/07/25	250506MS	Scale: 1"=1000'

PETTIGREW
& ASSOCIATES PA
ENGINEERING | SURVEYING | CONSTRUCTION SERVICES
DEFINING QUALITY SINCE 1965

Lester Wayne Price, Jr.
Price LLC
7 Sycamore Ln
Glenwood, NM 88039
505-503-3575

December 1, 2025

RE: Wasserhund – Eidson State #001 (BW-004)
Subsidence Report

SUBSIDENCE MONUMENT MONITORING

On November 18, 2025 a field survey was conducted to check for changes in monitoring location elevations at the Western Refining Facility located on NM238 and about 9 miles southwest of Lovington Airport, near Lovington, NM.

This survey was conducted using a Trimble R10 & R12i GPS receivers and a Leica NAK 2 automatic level, to determine difference in elevation from a known control point.

Asel Base Point (elevation 4025.64 above mean sea level (MSL)) was used as the Reference Primary Elevation Point for determining elevations on this project. Using an R10 GPS receiver, we logged static data on this point and processed using the Data using OPUS to establish a Latitude & Longitude on Asel Base Point. Additionally, the OPUS processing on the logged static file confirmed the elevation of 4025.64 on Asel Base Point. This coordinate was then transferred to the other reported & surveyed points, a level loop was run through the project with side shots as needed to check the different monuments, benchmarks, and control points at this site. Asel Base Point was also tied directly to USCGS monument 'RYCADE' by RTK observations.

Observations were made on all available points and tabulated to compare the elevations to the base elevations established on April 10, 2024. See Table A for these results.

See site map attached.

PETTIGREW & ASSOCIATES PA

ENGINEERING | SURVEYING | CONSTRUCTION SERVICES

DEFINING QUALITY SINCE 1965

Table A

The surveyed elevations along with deltas from established values are as follows:

Name	Elevation (4/10/24)*	Elevation (10/09/24)*	Elevation (5/06/25)*	Elevation (11/18/25)	Change in Elevation from Previous Site Visit	Change in Elevation from Base Reading
MON SM-1	4030.31	4030.32	4030.32	4030.31	-0.01	0.00
MON SM-2	4032.22	4032,21	4032.21	4032.17	-0.04	-0.05
MON SM-3	4033.66	4033.66	4033.66	4033.64	-0.02	-0.02
MON SM-4	4033.54	4033.54	4033.54	4033.52	-0.02	-0.02
LOWER FLANGE BW-04	4034.33	4034.32	4034.32	4034.30	-0.02	-0.03
ASEL BASE POINT	4025.64	4025.64	4025.64	4025.64	0.00	0.00
RYCADE				4020.08	N/A	N/A

PETTIGREW & ASSOCIATES PA
ENGINEERING | SURVEYING | CONSTRUCTION SERVICES
DEFINING QUALITY SINCE 1965

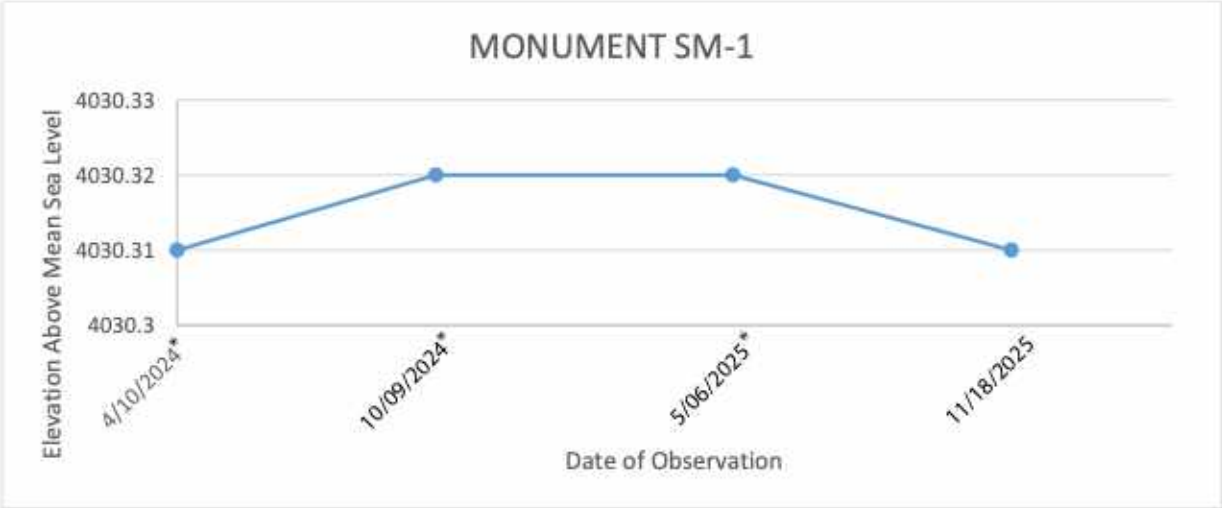
Conclusions

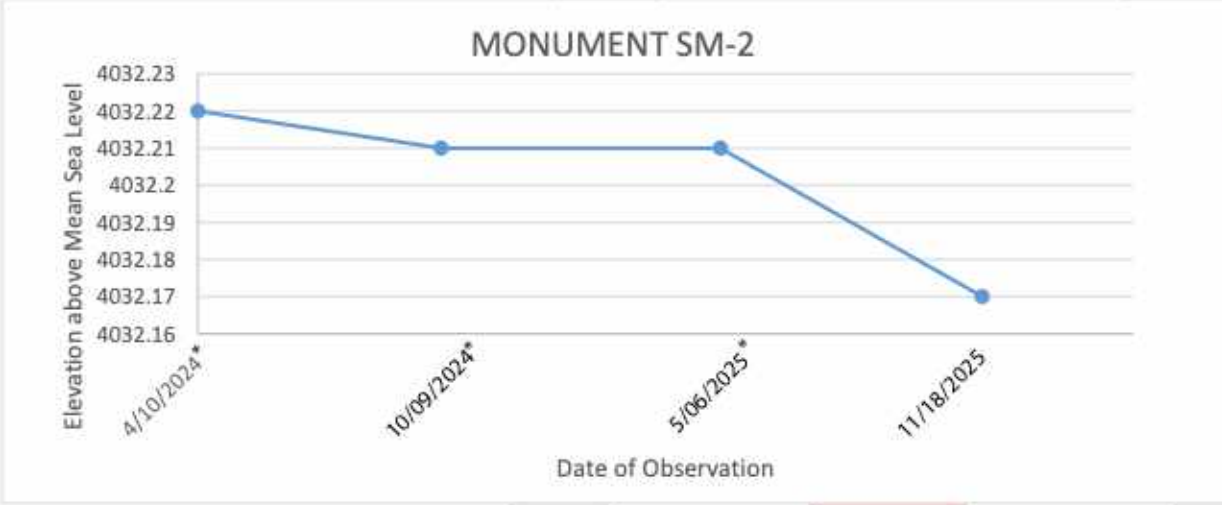
The survey was conducted and results analyzed, using the elevations originally established on April 10, 2024 as the base elevations for each point. The readings were consistent with a stable surface as there was little to no difference in elevations of any monitoring point, the most being on SMF-2, with a change of 0.05 feet downward. The rest of the points were within tolerance of the readings for the NAK 2 level, showing 0.03 feet of difference or less, which is an unremarkable elevation change.

The area appears stable with little movement either up or downward over the past 18 months of monitoring. The greatest deviations in elevation at the SM-2 location is around 0.05 feet, or about 1/2 inch from observed low elevation to observed high elevation, some of which was likely due to instrument, operator reading error, and procedural preferences. Most differences were 0.02 feet (about 3/8 inch) or less over the 18 month monitoring period.

PETTIGREW & ASSOCIATES PA
ENGINEERING | SURVEYING | CONSTRUCTION SERVICES
DEFINING QUALITY SINCE 1965

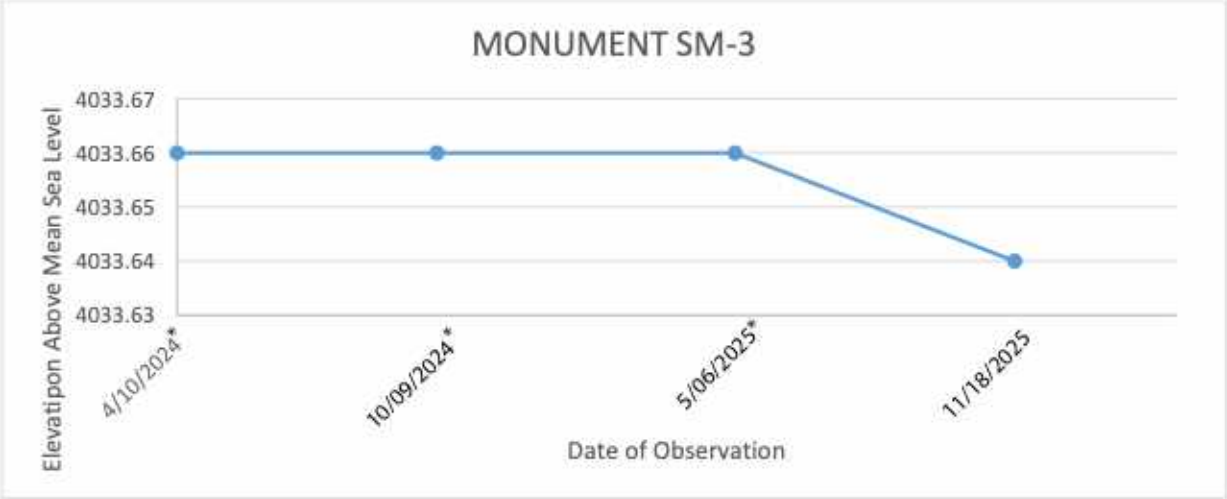
WASSERHUND BRINE WELL BW-04 SUBSIDENCE MONITORING

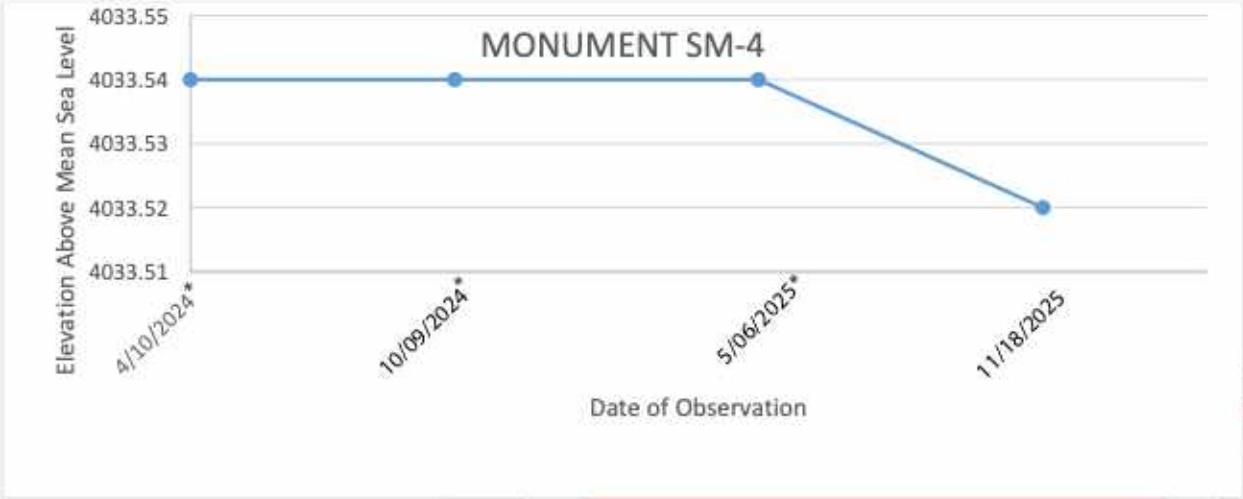


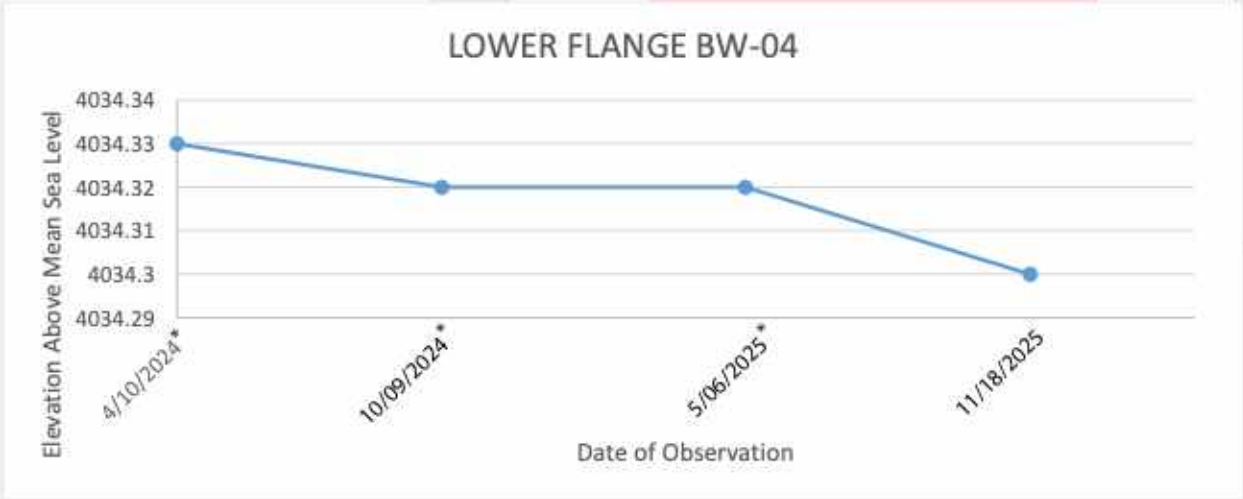


Note: '*' indicates that the first three (3) observations were conducted by others and were not verified by this surveyor

RICHARD L. MULLIKEN
NEW MEXICO
16873
12-01-25
PROFESSIONAL SURVEYOR







Note: '*' indicates that the first three (3) observations were conducted by others and were not verified by this surveyor

BRINE WELL BW-04 SUBSIDENCE MONITORING SURVEY

LOCATED IN LOT 4, SECTION 31, T16S, R35E, N.M.P.M., LEA COUNTY, NEW MEXICO

DATA TABLE

Name	Northing	Easting	Latitude	Longitude	Elevation (4/10/24)*	Elevation (10/09/24)*	Elevation (5/06/25)*	Elevation (11/18/25)	Description
MON SM-1	682475.512	795906.488	N32°52'24.22969"	W103°30'15.00023"	4030.31	4030.32	4030.32	4030.31	Bernstein Monument in Monument Box
MON SM-2	682052.606	795783.014	N32°52'20.05591"	W103°30'16.48655"	4032.22	4032.21	4032.21	4032.17	Bernstein Monument in Monument Box
MON SM-3	682455.925	795482.985	N32°52'24.06882"	W103°30'19.96643"	4033.66	4033.66	4033.66	4033.64	Bernstein Monument in Monument Box
MON SM-4	682116.883	795501.607	N32°52'20.71359"	W103°30'19.77931"	4033.54	4033.54	4033.54	4033.52	Bernstein Monument in Monument Box
LOWER FLANGE BW-04	682359.274	795629.011	N32°52'23.10142"	W103°30'18.26358"	4034.33	4034.32	4034.32	4034.30	Top of Lower Flange on Well--Elevation on Southeast side
ASEL BASE POINT	681878.475	796655.328	N32°52'18.26555"	W103°30'06.27731"	4025.64	4025.64	4025.64	4025.64	Rebar w/2" Aluminum Cap
RYCADE	668130.746	795538.203	N32°50'02.35980"	W103°30'20.63509"				4020.08	3 1/2" Brass Cap in Concrete

CERTIFICATE OF SURVEY

I, Richard L. Mulliken, New Mexico Professional Surveyor No. 16873, do hereby certify that this Subsidence Survey Plat was prepared from an actual ground survey performed by me or under my supervision, that this survey is true and correct to the best of my knowledge and belief. I further certify that this Subsidence Survey Plat and the field survey upon which it is based meet the Minimum Standards for Surveying in New Mexico.

Richard L. Mulliken, NMPS #16873 — Date: 12/01/2025

BASIS OF BEARING

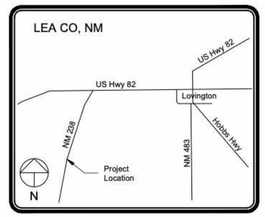
The basis of bearing for this survey is Grid North based on the New Mexico State Plane Coordinate System, East Zone, as determined by GPS/GNSS observations. Ground coordinates were obtained by applying a combined grid to ground scale factor of 1.0002054755 at control point located at N32°52'18.26555", W103°30'06.27731". True North can be obtained by applying a convergence angle of 0°27'05.0" at this point.

BASIS OF ELEVATION

Elevations are based on 'Asel Base Point' elevation 4025.64, locally observed using Geoid18, and verified with OPUS Post Processing.

SURVEY NOTES:

1. Field observations were conducted on 11/18/2025.
2. Elevations marked with '*' are from previous survey data form Asel Surveying, not by this Surveyor. They are shown only for comparison



VICINITY MAP
N.T.S.

LEGEND

- Found section corner
- Found quarter section corner
- Found monument as noted
- Control point
- Subsidence monument
- Monitor well
- Subsidence monument flange
- Easement
- XX°XX'XX" XX.XX' — Measured bearing and distance

PETTIGREW & ASSOCIATES PA
ENGINEERING | SURVEYING | CONSTRUCTION SERVICES
DEFINING QUALITY SINCE 1965
100 E. Navajo Drive Suite 100 Hobbs, NM 88240
T 575 393 9627 F 575 393 1843 Pettigrew.us

RICHARD L. MULLIKEN NEW MEXICO 16873 PROFESSIONAL SURVEYOR

PROJECT SURVEYOR: RICHARD L MULLIKEN
DRAWN BY: C. ORTIZ

NORTH
SCALE 1" = 300'
0' 150' 300' 600'

INDEXING INFORMATION FOR COUNTY CLERK

OWNER:

LOCATION:
SECTION 31, T16S, R35E, N.M.P.M., LEA COUNTY, NEW MEXICO

REVISIONS

No.	DATE	DESCRIPTION

SUBSIDENCE MONITORING SURVEY
OF
BRINE WELL BW-04
FOR
LESTER WAYNE PRICE JR.

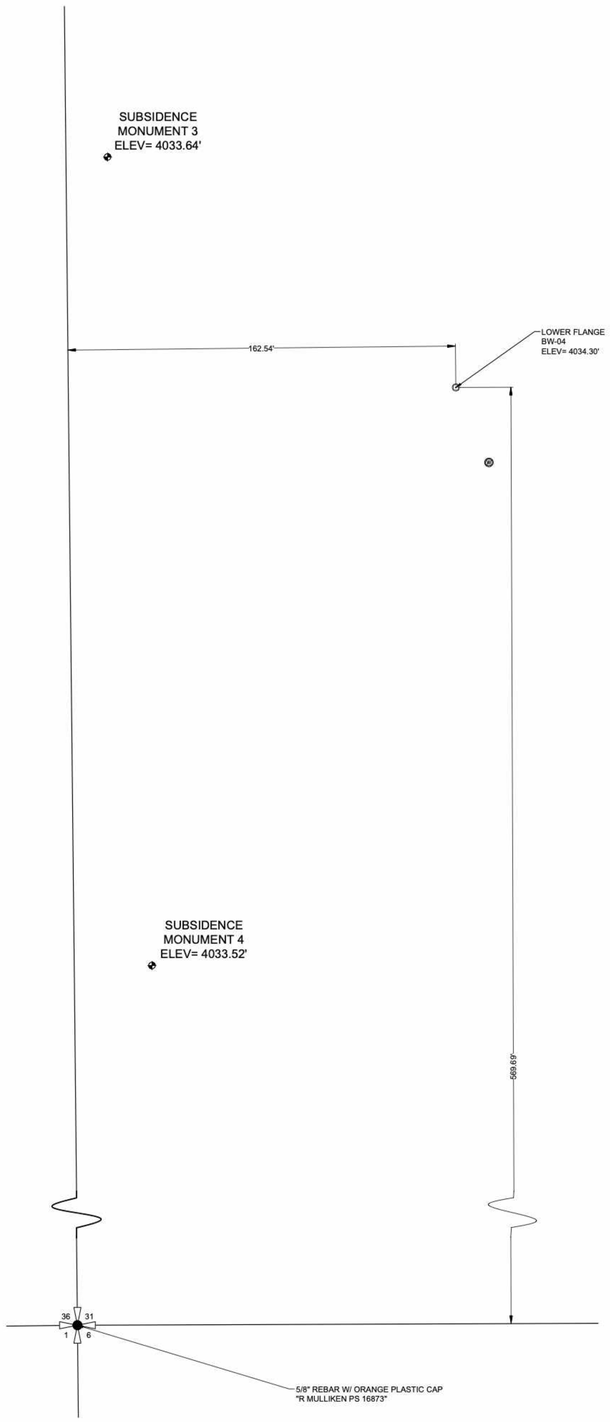
PROJECT NUMBER: 2025.1276

SHEET: 1 of 2
SU - 101

Z:\2025.1276\Survey\ACAD\BW-04.dwg 12/1/2025 11:36 AM

BRINE WELL BW-04 SUBSIDENCE MONITORING SURVEY (DETAIL SHEET)

LOCATED IN LOT 4, SECTION 31, T16S, R35E, N.M.P.M., LEA COUNTY, NEW MEXICO



CERTIFICATE OF SURVEY

I, Richard L. Mulliken, New Mexico Professional Surveyor No. 16873, do hereby certify that this Subsidence Survey Plat was prepared from an actual ground survey performed by me or under my supervision, that this survey is true and correct to the best of my knowledge and belief. I further certify that this Subsidence Survey Plat and the field survey upon which it is based meet the Minimum Standards for Surveying in New Mexico.

Richard L. Mulliken, NMPS #16873 — Date: 12/01/2025

BASIS OF BEARING

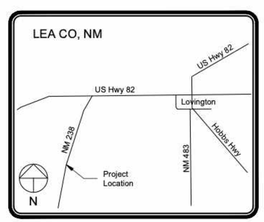
The basis of bearing for this survey is Grid North based on the New Mexico State Plane Coordinate System, East Zone, as determined by GPS/GNSS observations. Ground coordinates were obtained by applying a combined grid to ground scale factor of 1.0002054755 at control point located at N32°52'18.26555", W103°30'06.27731". True North can be obtained by applying a convergence angle of 0°27'05.0" at this point.

BASIS OF ELEVATION

Elevations are based on 'Asel Base Point' elevation 4025.64, locally observed using Geoid18, and verified with OPUS Post Processing.

SURVEY NOTES:

1. Field observations were conducted on 11/18/2025.
2. Elevations marked with '*' are from previous survey data form Asel Surveying, not by this Surveyor. They are shown only for comparison



VICINITY MAP
N.T.S.

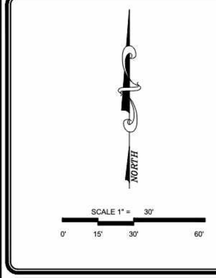
LEGEND

- Found section corner
- Found monument as noted
- Subsidence monument
- Monitor well
- Subsidence monument flange
- Section line

PETTIGREW & ASSOCIATES PA
ENGINEERING | SURVEYING | CONSTRUCTION SERVICES
DEFINING QUALITY SINCE 1965
100 E. Navajo Drive Suite 100 Hobbs, NM 88240
T 575 393 9627 F 575 393 1843 Pettigrew.us

RICHARD L. MULLIKEN NEW MEXICO 16873 PROFESSIONAL SURVEYOR

PROJECT SURVEYOR: RICHARD L MULLIKEN
DRAWN BY: C. ORTIZ



INDEXING INFORMATION FOR COUNTY CLERK

OWNER:

LOCATION:
SECTION 31, T16S, R35E, N.M.P.M., LEA COUNTY, NEW MEXICO

REVISIONS

No.	DATE	DESCRIPTION

SUBSIDENCE MONITORING SURVEY
OF

BRINE WELL BW-04

FOR

LESTER WAYNE PRICE JR.

PROJECT NUMBER: 2025.1276

SHEET: 2 of 2

SU - 101

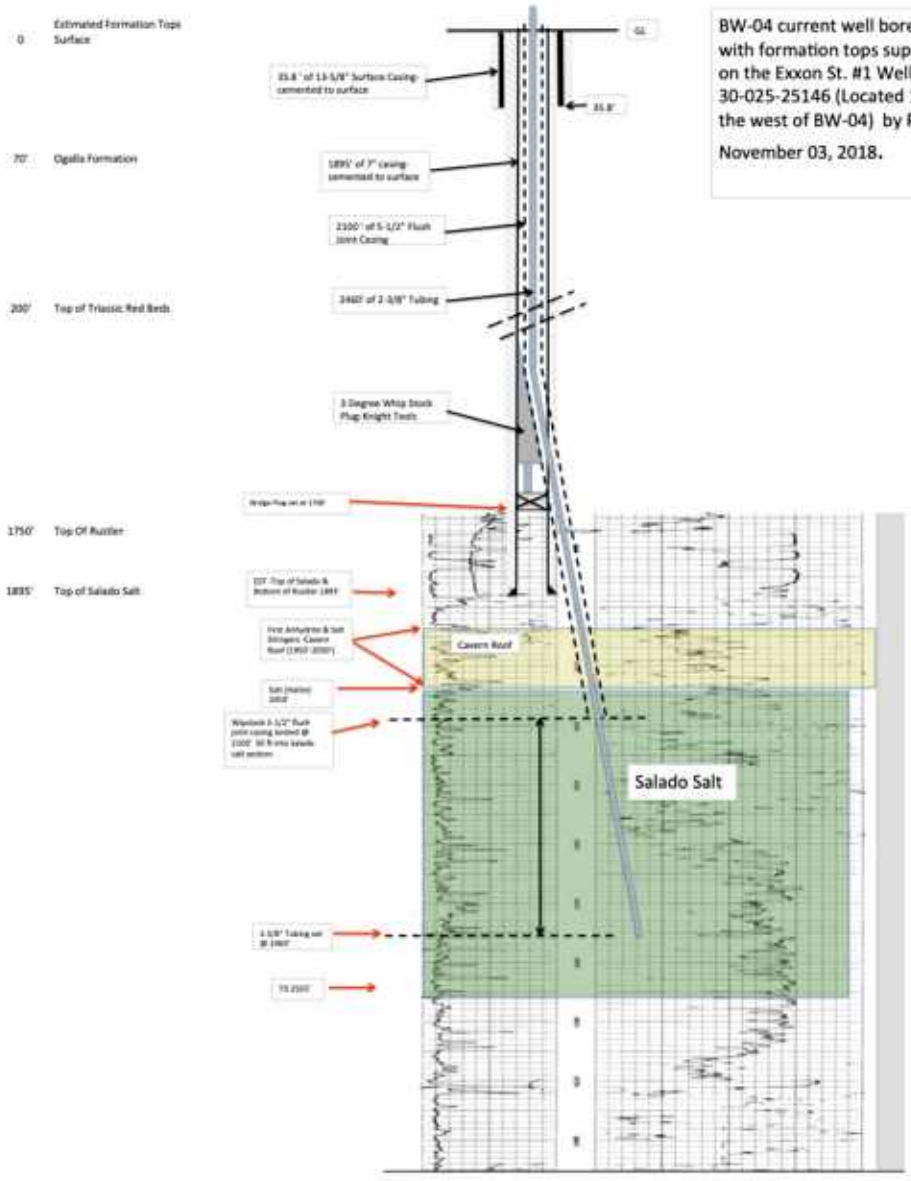
Z:\2025.1276\Survey\ACAD\BW-04.dwg 12/1/2025 11:39 AM


U.S. COAST & GEODETIC SURVEY
BENCH MARK

Appendix F-Solution Cavern Characterization Plan:

Well Bore

Mass Balance report



BW-04 current well bore diagram with formation tops superimposed on the Exxon St. #1 Well Log API# 30-025-25146 (Located 1/4 mile to the west of BW-04) by Price LLC

November 03, 2018.

2025

BW-04 Mass Balance

Measured Salt Removed vs Calculated Salt Removed

Independent Inputs
Formulas — Dependent Variables

Year End Total Production Volume	10,612,092	BBls	Independent variable	
Average Density #/gal produced water measured	9.8	lbs/gal	Independent variable	Seven year Average
Average Salt Density-Est	80	lbs/ft3	Independent variable	Used OCD number for salt density
FT3/bbl	7.35	ft3/bbl	Independent variable	
LBs of salt per gal	1.466	Lbs/gal	Dependent Variable	
LBs of Salt per BBL	80.63	Lbs/bbl	Dependent Variable	
Total LBs of Salt Removed	855,652,978	LBS	Dependent Variable	
Ft3 of salt removed	10,695,662	Ft3	Estimated Cavern Size calculated from Production Numbers	
Geo-Physical Worst Case Cone Calculation V= ∏R2h / 3				
Radius — Radius	167.8	ft	Dependent Variable	
Height from Log	360	ft	Independent Variable	
Volume of Worst Case Cone	10,609,497	Ft3	Calculated using "Worst Case Cone"	
	1%	Within 10 % Passes		

" Plus % = Means Cone Calulation is less than measured salt removed

" Neg % = Means Cone Calculation is more than measured salt remove

Appendix G

Current Permit

State of New Mexico
Energy, Minerals and Natural Resources Department

December 26, 2019

Mr. Larry Gandy
Wasserhund Inc.
P.O. Box 2140
Lovington, New Mexico 88260

Re: Renewal of Discharge Permit BW-4, Wasserhund Inc. UIC Class III Brine Well, Eidson State No. 1 (API# 30-025-26883) Located in Unit Letter M in Section 31 of Township 16 South, Range 35 East NMPM, Lea County, New Mexico

Mr. Gandy,

The renewal of discharge permit BW-4 for the Eidson State No. 1 brine well is hereby approved under the terms and conditions specified herein. Be advised that approval of this permit does not relieve Wasserhund, Inc. (Wasserhund) of liability if operations result in pollution of surface water, groundwater, or the environment. This permit will expire on **December 26, 2024** and Wasserhund should submit a discharge permit renewal application in ample time before this date. Under 20.6.2.3106F NMAC, if a discharger submits a discharge permit renewal application at least 120 days before the discharge permit expires and is in compliance with the approved discharge permit, then the existing discharge permit will not expire until the application for renewal has been approved or disapproved.

Every facility submitting a discharge permit application is assessed a non-refundable filing fee of $100.00 as well as a permit fee. The Oil Conservation Division (OCD) has already received the filing fee, but the $1,700.00 permit fee for a Class III injection well is now required by check made payable to the "Water Quality Management Fund."

If you have any questions, please contact Carl Chavez of my staff at 505-476-3490 or by email at *CarlJ.Chavez@state.nm.us*. On behalf of the staff of the OCD, I wish to thank you and your staff for your cooperation during this permit renewal review.

Respectfully,

Adrienne Sandoval
OCD Director

Enclosure: BW-4 Permit Conditions

cc: Hobbs District Office

DISCHARGE PERMIT APPROVAL CONDITIONS

1. GENERAL PROVISIONS:

1.A. PERMITTEE AND PERMITTED FACILITY : The Director of the Oil Conservation Division (OCD) of the Energy, Minerals and Natural Resources Department renews Discharge Permit BW-4 to Wasserhund, Inc. (Permittee) to operate a Underground Injection Control (UIC) Class III Well for the solution mining of salt (Eidson State Well No. 1 API # 30-025-26883) located 567 FSL, and 162 FWL, Unit Letter M (SW/4 of SW/4) of Section 31, Township 16 South, Range 35 East, Lat. N 32.87313°, Long. W -103.50503°, NMPM, Lea County, New Mexico. This brine well is located approximately 7 miles west and 5 miles south of City of Lovington on State Road 238. The brine station or sales terminal is located approximately 100 ft. east of BW-4. A fresh water supply is located approximately 250 ft. west of BW-4. Produced brine is metered at surface and transported via a surface 3-inch polyethylene pipeline to the brine station for sale.

The Permittee is permitted to inject water into the subsurface salt layers and produce brine for use in the oil and gas industry. Groundwater that may be affected by a spill, leak, or accidental discharge of brine occurs at a depth of approximately 85 feet below ground surface and has a total dissolved solids (TDS) concentration of approximately 450 mg/L.

1.B. SCOPE OF PERMIT: OCD has been granted the authority by statute and by delegation from the Water Quality Control Commission (WQCC) to administer the Water Quality Act (Chapter 74, Article 6 NMSA 1978) as it applies to Class III wells associated with the oil and gas industry (See Section 74-6-4, 74-6-5 NMSA 1978).

The Water Quality Act and the rules promulgated pursuant to the Act protect groundwater and surface water of the State of New Mexico by providing that, unless otherwise allowed by 20.6.2 NMAC, no person shall cause or allow effluent or leachate to discharge so that it may move directly or indirectly into groundwater unless such discharge is pursuant to an approved discharge plan (See 20.6.2.3104 NMAC, 20.6.2.3106 NMAC, and 20.6.2.5000 through 20.6.2.5399 NMAC).

This Discharge Permit for a Class III Brine Well is issued pursuant to the Water Quality Act and WQCC rules, 20.6.2 NMAC. This Discharge Permit does not authorize any treatment of, or on-site disposal of, any materials, product, by-product, or oil field waste.

Pursuant to 20.6.2.5004A NMAC, the following underground injection activities are prohibited:

1. The injection of fluids into a motor vehicle waste disposal well is prohibited.
2. The injection of fluids into a large capacity cesspool is prohibited.
3. The injection of any hazardous or radioactive waste into a well is prohibited except as provided by 20.6.2.5004A(3) NMAC.
4. Class IV wells are prohibited, except for wells re-injecting treated groundwater into the same formation from which it was drawn as part of a removal or remedial action.
5. Barrier wells, drainage wells, recharge wells, return flow wells, and motor vehicle waste disposal wells are prohibited.

This Discharge Permit does not convey any property rights of any sort nor any exclusive privilege, and does not authorize any injury to persons or property, any invasion of other private rights, or any infringement of state, federal, or local laws, rules or regulations.

The Permittee shall operate in accordance with the terms and permit conditions specified in this Discharge Permit to comply with the Water Quality Act and the rules issued pursuant to that Act, so that neither a hazard to public health nor undue risk to property will result (see 20.6.2.3109C NMAC); so that no discharge will cause or may cause any stream standard to be violated (see 20.6.2.3109H(2) NMAC); so that no discharge of any water contaminant will result in a hazard to public health, (see 20.6.2.3109H(3) NMAC); so that the numerical standards specified in 20.6.2.3103 NMAC are not exceeded; and, so that the technical criteria and performance standards (see 20.6.2.5000 through 20.6.2.5399 NMAC) for Class III wells are met. Pursuant to 20.6.2.5003B NMAC, the Permittee shall comply with 20.6.2.1 through 20.6.2.5399 NMAC.

The Permittee shall not allow or cause water pollution, discharge, or release of any water contaminant that exceeds the Water Quality Control Commission (WQCC) standards specified at 20.6.2.3101 NMAC and 20.6.2.3103 NMAC or 20.6.4 NMAC (Water Quality Standards for Interstate and Intrastate Streams). Pursuant to 20.6.2.5101A NMAC, the Permittee shall not inject non-hazardous fluids into groundwater having 10,000 mg/l or less total dissolved solids (TDS).

The issuance of this permit does not relieve the Permittee from the responsibility of complying with the provisions of the Water Quality Act, any applicable regulations or water quality standards of the WQCC, or any applicable federal laws, regulations or standards (See Section 74-6-5 NMSA 1978).

1.C. DISCHARGE PERMIT: This Discharge Permit is a permit renewal that replaces the permit being renewed. Replacement of a prior permit does not relieve the Permittee of its responsibility to comply with the terms of that prior permit while that permit was in effect.

1.D. DEFINITIONS: Terms not specifically defined in this Discharge Permit shall have the same meanings as those in the Water Quality Act or the rules adopted pursuant to the Act, as the context requires.

1.E. FILING FEES AND PERMIT FEES: Pursuant to 20.6.2.3114 NMAC, every facility that submits a Discharge Permit application for initial approval or renewal shall pay the permit fees specified in Table 1 and the filing fee specified in Table 2 of 20.6.2.3114 NMAC. OCD has already received the required $100.00 filing fee. The Permittee is now required to submit the $1,700.00 permit fee for a Class III well. Please remit payment made payable to the "Water Quality Management Fund" in care of OCD at 1220 South St. Francis Drive in Santa Fe, New Mexico 87505.

1.F. EFFECTIVE DATE, EXPIRATION, RENEWAL CONDITIONS, AND PENALTIES FOR OPERATING WITHOUT A DISCHARGE PERMIT: This Discharge Permit becomes effective immediately from the date that the Permittee receives this discharge permit or until the permit is terminated or expires. This Discharge Permit will expire on **December 26, 2024**. The Permittee shall submit an application for renewal no later than 120 days before that expiration date, pursuant to 20.6.2.5101F NMAC. If a Permittee submits a renewal application at least 120 days before the Discharge Permit expires and is in compliance with the approved Discharge Permit, then the existing Discharge Permit will not expire until OCD has approved or disapproved the renewal application. A discharge permit continued under this provision remains fully effective and enforceable. Operating with an expired Discharge Permit may subject the Permittee to civil and/or criminal penalties (See Section 74-6-10.1 NMSA 1978 and Section 74-6-10.2 NMSA 1978).

1.G. MODIFICATIONS AND TERMINATIONS: The Permittee shall notify the OCD Director and OCD's Environmental Bureau of any Facility expansion or process modification (See 20.6.2.3107C NMAC). The OCD Director may require the Permittee to submit a Discharge Permit modification application pursuant to 20.6.2.3109E NMAC and may modify or terminate a Discharge Permit pursuant to Sections 74-6-5(M) through (N) NMSA 1978.

1. If data submitted pursuant to any monitoring requirements specified in this Discharge Permit or other information available to the OCD Director indicate that 20.6.2 NMAC is being or may be violated, then the OCD Director may require modification or, if it is determined by the OCD Director that the modification may not be adequate, may terminate this Discharge Permit for a Class III well that was approved pursuant to the requirements of 20.6.2.5000 through 20.6.2.5399 NMAC for the following causes:

   a. Noncompliance by Permittee with any permit condition of this Discharge Permit; or,

   b. The Permittee's failure in the discharge permit application or during the discharge permit review process to disclose fully all relevant facts, or Permittee's misrepresentation of any relevant facts at any time; or,

   c. A determination that the permitted activity may cause a hazard to public health or undue risk to property and can only be regulated to acceptable levels by discharge permit modification or termination (See Section 75-6-6 NMSA 1978; 20.6.2.5101I NMAC; and, 20.6.2.3109E NMAC).

2. This Discharge Permit may also be modified or terminated for any of the following causes:

   a. Violation of any provisions of the Water Quality Act or any applicable regulations, standard of performance or water quality standards;

   b. Violation of any applicable state or federal effluent regulations or limitations; or

   c. Change in any permit condition that requires either a temporary or permanent reduction or elimination of the permitted discharge (See Section 75-6-5M NMSA 1978).

1.H. TRANSFER OF CLASS III WELL DISCHARGE PERMIT:

1. The transfer provisions of 20.6.2.3111 NMAC do not apply to a discharge permit for a Class III well.

2. Pursuant to 20.6.2.5101H NMAC, the Permittee may request to transfer its Class III well discharge permit if:

   a. The OCD Director receives written notice 30 days prior to the transfer date; and

   b. The OCD Director does not object prior to the proposed transfer date. OCD may require modifications to the discharge permit as a condition of transfer and may require demonstration of adequate financial responsibility.

3. The written notice required in accordance with Permit Condition 1.H.2.a shall:

   a. Have been signed by the Permittee and the succeeding Permittee, and shall include an acknowledgement that the succeeding Permittee shall be responsible for compliance with the Class III well discharge permit upon taking possession of the facility; and

   b. Set a specific date for transfer of the discharge permit responsibility, coverage and liability; and

   c. Include information relating to the succeeding Permittee's financial responsibility required by 20.6.2.5210B(17) NMAC.

1.I. COMPLIANCE AND ENFORCEMENT: If the Permittee violates or is violating a condition of this Discharge Permit, OCD may issue a compliance order that requires compliance immediately or within a specified time period, or assess a civil penalty, or both (See Section 74-6-10 NMSA 1978). The compliance order may also include a suspension or termination of this Discharge Permit. OCD may also commence a civil action in district court for appropriate relief, including injunctive relief (See Section 74-6-10(A)(2) NMSA 1978). The Permittee may be subject to criminal penalties for discharging a water contaminant without a discharge permit or in violation of a condition of a discharge permit; making any false material statement, representation, certification or omission of material fact in a renewal application, record, report, plan or other document filed, submitted or required to be maintained under the Water Quality Act; falsifying, tampering with or rendering inaccurate any monitoring device, method or record required to be maintained under the Water Quality Act; or failing to monitor, sample or report as required by a Discharge Permit issued pursuant to a state or federal law or regulation (See Section 74-6-10.2 NMSA 1978).

2. GENERAL FACILITY OPERATIONS:

2.A. SEMI-ANNUAL MONITORING REQUIREMENTS FOR CLASS III WELLS: The Permittee may use either or both fresh water or water from otherwise non-potable sources. Pursuant to 20.6.2.5207C, the Permittee shall provide analysis of the injected fluids and brine at least semi-annually to yield data representative of their characteristics. The Permittee shall analyze both the injected fluids and brine for the following characteristics: pH; density, concentration of total dissolved solids (TDS); chloride concentration; and sodium concentration (for brine only).

1. **Groundwater Monitoring Well: Within 90 days of permit issuance**, the Permittee shall install a downgradient groundwater monitoring well within 50 feet of the brine well into the water table aquifer and collect a groundwater sample for general chemistry and WQCC 20.6.2.3103 NMAC groundwater constituents.

   Groundwater quality data shall comply with EPA Quality Assurance/Quality Control (QA/QC) and Data Quality Objectives (DQOs) and be submitted to OCD for review and comparison with historical water quality information within 30-days of monitoring well construction. The monitoring well construction shall comply with EPA Standards and be required to be sampled and monitored semi-annually thereafter for the following characteristics:

   - pH (Method 9040);
   - Eh;
   - Specific conductance;
   - Specific gravity;
   - Temperature; and
   - General groundwater quality parameters (general chemistry/cations and anions, including: fluoride, calcium, potassium, magnesium, sodium bicarbonate, carbonate, chloride, sulfate, total dissolved solids, cation/anion balance, pH, and bromide using the methods specified in 40 CFR 136.3).

The environmental data results shall be reported in the Annual Report (Section 2.J).

2.B. SOLUTION CAVERN MONITORING PROGRAM:

1. **Surface Subsidence Monitoring Plan:** The Permittee shall submit a Surface Subsidence Monitoring Plan to OCD within 180 days of the effective date of this permit. The Surface Subsidence Monitoring Plan shall specify that the Permittee will install at least three survey monuments and shall include a proposal to monitor the elevation of the monuments and top of well casing at least semi-annually.

   The Permittee shall survey each survey monument and top of well casing at least semiannually to monitor for possible surface subsidence and shall tie each survey to the nearest USGS geodetic benchmark. The Permittee shall employ a licensed professional surveyor to conduct the subsidence monitoring program with proper instrument accuracy assessment at the conclusion of each survey. The Permittee shall submit the results of all subsidence surveys with summary of results and any recommendations to OCD within 15 days of survey completion. If the monitored surface subsidence survey at any measuring point deviates 0.10 ft. or more compared to its baseline elevation, then the Permittee shall notify OCD within 30 days of survey completion for further instructions. If survey results continue to demonstrate subsidence over time, and the Permittee cannot demonstrate the integrity of the cavern and well to the satisfaction of OCD, then it shall cease all brine production and submit a corrective action plan to mitigate the subsidence.

   The Permittee shall include the above information in the Annual Report (Section 2.J).

2. **Solution Cavern Characterization Program:** The Permittee shall submit a Solution Cavern Characterization Plan to characterize the size and shape of the solution cavern using geophysical methods within 180 days of the effective date of this permit, unless a plan has already been approved by OCD. Based upon the maturity of the cavern and upon OCD request, the Permittee shall characterize the size and shape of the solution cavern using a geophysical method or other approved method by OCD. The Permittee shall demonstrate that at least 90% of the calculated volume of salt removed based upon injection and production volumes has been accounted for by the approved method(s) for such testing to be considered truly representative.

   a. The Permittee shall provide an estimate of the size and shape of the solution cavern at least annually in the Annual Report (Section 2.J), based on fluid injection and brine production data.

b. The Permit shall compare the ratio of the volume of injected fluids to the volume of produced brine monthly. If the average ratio of injected fluid to produced brine varies is less than 90% or greater than 110%, or varies by greater than 20%, the Permittee shall report this to OCD and cease injection and production operations of its Class III well within 24 hours. The Permittee shall begin an investigation to determine the cause of this abnormal ratio within 72 hours. The Permittee shall regard the exceedance or variation to be an MIT failure, and shall submit to OCD a report of its investigation within 15 days of cessation of injection and production operations of its Class III well for further instructions from OCD.

3. **Annual Certification:** The Permittee shall certify annually in the Annual Report (Section 2.J) that continued salt solution mining will not cause cavern collapse, surface subsidence, property damage, or otherwise threaten public health and the environment, based on geologic and engineering data.

If the solution cavern is determined by either OCD or the Permittee to be potentially unstable by either direct or indirect means, then the Permittee shall cease all fluid injection and brine production within 24 hours. If the Permittee ceases operations because it or OCD has determined that the solution cavern is unstable, then it shall submit a plan to stabilize the solution cavern within 30 days. OCD may require the Permittee to implement additional subsidence monitoring and to conduct additional corrective action.

2.C. CONTINGENCY PLANS: The Permittee shall implement its proposed contingency plan(s) included in its Permit Application to cope with failure of a system(s) in the Discharge Permit.

2.D. CLOSURE: The Permittee shall submit for OCD approval, a facility closure plan with third-party cost estimate pursuant to 20.6.2.5209 NMAC and as specified in Permit Conditions 2.I and 5.B to address: well plug and abandonment, land surface restoration; environmental groundwater monitoring (if applicable); pipeline abandonment; and three years of surface subsidence monitoring.

1. Pre-Closure Notification: Pursuant to 20.6.2.5005A NMAC, the Permittee shall submit a pre-closure notification to OCD's Environmental Bureau at least 30 days prior to the date that it proposes to close or to discontinue operation of its Class III well. Pursuant to 20.6.2.5005B NMAC, OCD's Environmental Bureau must approve all proposed well closure activities before Permittee may implement its proposed closure plan.

2. Required Information: The Permittee shall provide OCD's Environmental Bureau with the following information:

- Name of facility;
- Address of facility;
- Name of Permittee (and owner or operator, if appropriate);
- Address of Permittee (and owner or operator, if appropriate);
- Contact person;
- Phone number;
- Number and type of well(s);
- Year of well construction;
- Well construction details;
- Type of discharge;
- Average flow (gallons per day);
- Proposed well closure activities (e.g., sample fluids/sediment, appropriate disposal of remaining fluids/sediments, remove well and any contaminated soil, clean out well, install permanent plug, conversion to other type of well, groundwater and vadose zone investigation, other);
- Proposed date of well closure;
- Proposed method and date of surface restoration;
- Proposed method and date of pipeline abandonment;
- Name of preparer; and
- Date.

2.E. PLUGGING AND ABANDONMENT PLAN: Pursuant to 20.6.2.5209A NMAC, the Permittee shall submit to OCD a plugging and abandonment plan that meets the requirements of 20.6.2.3109C NMAC, 20.6.2.5101C NMAC, and 20.6.2.5005 NMAC for protection of groundwater. If requested by OCD, Permittee shall submit for approval prior to closure, a revised or updated plugging and abandonment plan. The obligation to implement the plugging and abandonment plan as well as the requirements of the plan survives the termination or expiration of this Discharge Permit. The Permittee shall comply with 20.6.2.5209 NMAC.

2.F RECORD KEEPING: The Permittee shall maintain records of all inspections, surveys, investigations, etc., required by this Discharge Permit at its Facility office for a minimum of five years and shall make those records available for inspection at the request of an OCD Representative.

2.G. RELEASE REPORTING: The Permittee shall comply with the following permit conditions, pursuant to 20.6.2.1203 NMAC, if it determines that a release of oil or other water contaminant, in such quantity as may with reasonable probability injure or be detrimental to human health, animal or plant life, or property, or unreasonably interfere with the public welfare or the use of property, has occurred. The Permittee shall report unauthorized releases of water contaminants in accordance with any additional commitments made in its approved Contingency Plan. If the Permittee determines that any constituent exceeds the standards specified at 20.6.2.3103 NMAC, then it shall report a release to OCD's Environmental Bureau.

1. **Oral Notification:** As soon as possible after learning of such a discharge, but in no event more than twenty-four (24) hours thereafter, the Permittee shall notify OCD's Environmental Bureau. The Permittee shall provide the following:

   - The name, address, and telephone number of the person or persons in charge of the facility, as well as of the owner and/or operator of the facility;
   - The name and location of the facility;
   - The date, time, location, and duration of the discharge;
   - The source and cause of discharge;
   - A description of the discharge, including its chemical composition;
   - The estimated volume of the discharge; and,
   - Any corrective or abatement actions taken to mitigate immediate damage from the discharge.

2. **Written Notification:** Within one week after the Permittee has discovered a discharge, the Permittee shall send written notification (may use form C-141 with attachments) to OCD's Environmental Bureau verifying the prior oral notification as to each of the foregoing items and providing any appropriate additions or corrections to the information contained in the prior oral notification.

   The Permittee shall provide subsequent corrective actions and written reports as required by OCD's Environmental Bureau.

2.H. OTHER REQUIREMENTS:

1. **Inspection and Entry:** Pursuant to Section 74-6-9 NMSA 1978 and 20.6.2.3107A NMAC, the Permittee shall allow any authorized representative of the OCD Director, to:

   - Upon the presentation of proper credentials, enter the premises at reasonable times;
   - Inspect and copy records required by this Discharge Permit;
   - Inspect any treatment works, monitoring, and analytical equipment;
   - Sample any injection fluid or produced brine;
   - Conduct various types environmental media sampling, and
   - Use the Permittee's monitoring systems and wells in order to collect groundwater samples.

2. **Advance Notice:** The Permittee shall provide OCD's Environmental Bureau and Hobbs District Office with at least five (5) working days advance notice of any environmental sampling to be performed pursuant to this

Discharge Permit, or any well plugging, abandonment or decommissioning of any equipment associated with its Class III well.

3. **Environmental Monitoring:** The Permittee shall ensure that any environmental sampling and analytical laboratory data collected meets the standards specified in 20.6.2.3107B NMAC or EPA QA/QC Standards. The Permittee shall ensure that all environmental samples are analyzed by an accredited "National Environmental Laboratory Accreditation Conference" (NELAC) Laboratory. The Permittee shall submit environmental sampling data summary tables, all raw analytical data, and laboratory QA/QC.

   a. A monitor well shall be installed hydrogeologically downgradient from the Brine Well and sampled in accordance with Section 2.A.1.

2.I. BONDING OR FINANCIAL ASSURANCE: Pursuant to 20.6.2.5210B(17) NMAC, the Permittee shall maintain financial assurance, at a minimum, in the amount that Permittee shall estimate and the Director shall approve, in accordance with Permit Conditions 2.D and 5.B, to cover potential costs associated with plugging and abandonment of the Class III well, surface restoration, environmental groundwater monitoring (if applicable), pipeline abandonment, along with three years of surface subsidence monitoring thereafter. OCD may require additional financial assurance to ensure adequate funding is available to plug and abandon the well and/or for any required environmental related corrective actions. The Permittee's cost estimate shall be based on third person estimates.

Acceptable financial assurance mechanisms include: (1) a surety bond; (2) a trust fund with a New Mexico bank in the name of the State of New Mexico, with the State as Beneficiary; (3) a non-renewable letter of credit made out to the State of New Mexico; (4) liability insurance specifically covering the contingencies listed in this paragraph; or (5) a performance bond, generally in conjunction with another type of financial assurance. If an adequate bond is posted by the Permittee to a federal or another state agency, and this bond covers all of the measures specified above, the OCD Director shall consider this bond as satisfying the bonding requirements of Sections 20.6.2.5000 through 20.6.2.5399 NMAC wholly or in part, depending upon the extent to which such bond is adequate to ensure that the Permittee will fully perform the measures required herein above.

2.J. ANNUAL REPORT: The Permittee shall submit its annual report pursuant to 20.6.2.3107 NMAC to OCD's Environmental Bureau by June 1st of the following year. The annual report shall include the following:

- Cover sheet marked as "Annual Class III Well Report, Name of Permittee, Discharge Permit Number, API number of well(s), date of report, and person submitting report;
- Summary of Class III well operations for the year including a description and reason for any remedial or major work on the well with a copy of form C-103;
- Monthly fluid injection and brine production volume, including the cumulative total carried over each year;
- Semi-annual monitor well analytical data results;
- Injection pressure data;
- Pipeline hydrostatic test results;
- Pipeline visual leak inspection monitoring results at joints;
- A copy of the quarterly chemical analyses shall be included with data summary and all QA/QC information;
- Copy of any mechanical integrity test chart, including the type of test, i.e., duration, gauge pressure, etc.;
- Brief explanation describing deviations from the normal operations;
- Results of any leaks and spill corrective action reports;
- An Area of Review (AOR) update summary;
- A summary with interpretation of MITs, surface subsidence surveys, estimated cavern size and shape, cavern volume and geometry measurements with conclusion(s) and recommendation(s);
- A summary of the ratio of the monthly volume of injected fluids to the volume of produced brine;
- A summary of all major Facility activities or events, which occurred during the year with any conclusions and recommendations;
- Annual Surface Subsidence Monitoring Plan data results in accordance with Permit Condition 2.B.1;
- Annual Solution Cavern Characterization data results in accordance with Permit Condition 2.B.2;
- Annual certification in accordance with Permit Condition 2.B.3; and

- The Permittee shall file its Annual Report in an electronic format with a hard copy submittal to OCD's Environmental Bureau.

3. CLASS III WELL OPERATIONS:

Owner/Operator Commitments. Once a permit is issued, the owner/operator must ensure all operations are consistent with the terms and conditions of the permit and in conformance with all pertinent rules and regulations under the Water Quality Act. The owner/operator shall abide by all commitments submitted in its discharge permit application including any attachments and/or amendments along with these approval conditions. Applications which reference previously approved plans on file with the OCD shall be incorporated into this permit and the owner/operator shall abide by all commitments of such plans.

3.A. OPERATING REQUIREMENTS: The Permittee shall comply with the operating requirements specified in 20.6.2.5206A NMAC and 20.6.2.5206A NMAC to ensure that:

1. **Brine Production Method:** During the daily brine production, a "normal flow" configuration consisting of fresh water injection shall occur through the 2-3/8 in. tubing at approximately 2,460 ft. bgl, and brine production through the 5-1/2 in. flush joint casing annulus directed through and within a whipstock window in 7 in. casing offset at an approximate depth of 1,734 ft. bgl to a depth of 2,100 ft. bgl, which is approximately 100 ft. below the top of the Salado "Salt" Formation at approximately 2,000 ft. bgl. Injection and production flow may temporarily be reversed as required periodically to clean the tubing and annulus. However, a "normal flow" regime is required during daily injection and production operations and shall only occur within the intended solution mining interval.

2. **Injection Out of Zone:** Injection between the outermost casing and the well bore is prohibited in a zone other than the authorized injection zone. If the Permittee determines that its Class III well is discharging or suspects that it is discharging fluids into a zone or zones other than the permitted injection zone specified in Permit Condition 3.B.1., then the Permittee shall within 24 hours notify OCD's Environmental Bureau and Hobbs District Office of the circumstances and action(s) taken. The Permittee shall cease operations until proper repairs are made and it has received approval from OCD to re-start injection operations.

3. **Pipeline:** Hydrostatic testing of brine pipeline is required after repair for any pipeline pressure loss, leakage, etc. The hydrostatic test report with "as-built" pipeline transect, and associated construction information shall be submitted to OCD for approval within 3 months of permit issuance. Mandatory hydrostatic testing of the pipeline is required after leakage and/or before the expiration date of the Permit. Daily pipeline inspection and monitoring is required at a minimum for the first week of permit issuance and each time the pipeline is brought back into service after shut-down, service work, etc. The pipeline shall be inspected within 8-hours of pipeline pressure loss, upset, etc. Weekly inspection and monitoring at a minimum is required thereafter. Inspection record keeping is required and shall include the date and time of each inspection, inspectors name and contact information, weather conditions with inspection summary, any conclusion on pipeline condition with any recommendations. Spills or release locations shall include NAD83 GPS Coordinates and be handled in accordance with Permit Condition 2.G Release Reporting herein.

3.B. INJECTION OPERATIONS:

1. **Well Injection Pressure Limit:** The Permittee shall ensure that the maximum wellhead or surface injection pressure of 400 psig on its Class III well shall not exceed the fracture pressure in the injection salt formation and will not cause new fractures or propagate any existing fractures or cause damage to the system and underground source of drinking water.

2. **Pressure Limiting Device:** The Permittee shall equip and operate its Class III well or system with a pressure limiting device which shall, at all times, limit surface injection pressure to the maximum allowable pressure of 400 psig for its Class III well. The Permittee shall monitor the pressure-limiting device daily and shall report all pressure exceedances within 24 hours of detecting an exceedance to OCD's Environmental Bureau.

The Permittee shall take all steps necessary to ensure that the injected fluids enter only the proposed injection interval and is not permitted to escape to other formations, fresh water zones, or onto the ground surface. The Permittee shall report to OCD's Environmental Bureau within 24 hours of discovery any indication that new fractures or existing fractures have been propagated, or that damage to the well, the injection zone, or formation has occurred.

3.C. CONTINUOUS MONITORING DEVICES: The Permittee shall use continuous monitoring devices to provide a record of surface injection pressure, flow rate, flow volume, and pressure on the annulus between the tubing and the long string of casing.

3.D. MECHANICAL INTEGRITY FOR CLASS III WELLS:

1. Pursuant to 20.6.2.5204 NMAC, the Permittee shall demonstrate mechanical integrity for its Class III well at least once every five years or more frequently as the OCD Director may require for good cause during the life of the well. The Permittee shall demonstrate mechanical integrity for its Class III well every time it performs a well workover, including when it pulls the tubing. A Class III well has mechanical integrity if there is no detectable leak in the casing or tubing which OCD considers to be significant at maximum operating temperature and pressure; and no detectable conduit for fluid movement out of the injection zone through the well bore or vertical channels adjacent to the well bore which the OCD Director considers to be significant. The Permittee shall conduct a casing Mechanical Integrity Test (MIT) from the surface to the approved injection depth to assess casing integrity. The MIT shall consist of a 30-minute test at a minimum pressure of 500 psig measured at the surface when tubing is removed, and a plug is installed within 20 ft. of the casing shoe depth. Alternatively, the MIT may consist of a casing/cavern 4-hr. test at a minimum pressure of 300 psig measured at the surface when the cavern and casing are full and tubing remains in the well. More work is required in the "casing/cavern" test in the event of failure to determine the actual cause.

   The Permittee shall notify OCD's Environmental Bureau and Hobbs District Office at least 5 days prior to conducting any MIT to allow OCD Hobbs the opportunity to witness the MIT.

2. The following criteria will determine if the Class III well has passed the MIT:

   a. Passes MIT if zero bleed-off during the test;
   b. Passes casing MIT if final test pressure is within +/- 10% of starting pressure, if approved by OCD (Note: Passes cavern test on a case-by-case basis determined by OCD);
   c. When the MIT is not witnessed by OCD and fails, the Permittee shall notify OCD within 24 hours of the failure of the MIT.
   d. All chart recorder information, charts containing appropriate information, calibration sheets, etc. shall be provided to OCD within 5 working days of completing an MIT.

3. Pursuant to 20.6.2.5204C NMAC, the OCD Director may consider the use by the Permittee of equivalent alternative test methods to determine mechanical integrity. The Permittee shall submit information on the proposed test and all technical data supporting its use. The OCD Director may approve the Permittee's request if it will reliably demonstrate the mechanical integrity of the well for which its use is proposed.

4. Pursuant to 20.6.2.5204D NMAC, when conducting and evaluating the MIT(s), the Permittee shall apply methods and standards generally accepted in the oil and gas industry. When the Permittee reports the results of all MIT(s) to the OCD Director, it shall include a description of the test(s), the method(s) used, and the test results.

3.E. WELL WORKOVER OPERATIONS: Pursuant to 20.6.2.5205A(5) NMAC, the Permittee shall provide notice to and shall obtain approval from OCD prior to commencement of any remedial work or any other workover operations to allow OCD the opportunity to witness the operation. The Permittee shall request approval using form C-103 (Sundry Notices and Reports on Wells). Properly completed Forms C-103 and/or C-105 must be filed with OCD upon completion of workover activities and copies included in that year's Annual Report (Section 2.J).

3.F. FLUIDS INJECTION AND BRINE PRODUCTION VOLUMES AND PRESSURES: The Permittee shall continuously monitor the volumes of water injected and brine production. The Permittee shall submit monthly reports of its injection and production volumes on or before the 10th day of the following month. The Permittee shall suspend injection if the monthly injection volume is less than 110% or greater than 120% of associated brine production. If such an event occurs, the Permittee shall notify OCD within 24 hours.

3.G. AREA OF REVIEW (AOR): The Permittee shall report within 72 hours of discovery any new wells, conduits, or any other device that penetrates or may penetrate the injection zone within a 1-mile radius from its Class III well. OCD shall be notified within 24 hours of having knowledge of any wells lacking cement within the cavern interval within a ½-mile radius from the Class III well.

4. **CLASS V WELLS:** Pursuant to 20.6.2.5002B NMAC, leach fields and other waste fluids disposal systems that inject non-hazardous fluid into or above an underground source of drinking water are UIC Class V injection wells. This Discharge Permit does not authorize the use of a Class V injection well for the disposal of industrial waste. Pursuant to 20.6.2.5005 NMAC, the Permittee shall close any Class V industrial waste injection well that injects non-hazardous industrial wastes or a mixture of industrial wastes and domestic wastes (e.g., septic systems, leach fields, dry wells, etc.) within 90 calendar days of the issuance of this Discharge Permit. The Permittee shall document the closure of any Class V wells used for the disposal of non-hazardous industrial wastes or a mixture of industrial wastes and domestic wastes other than contaminated groundwater in its Annual Report. Other Class V wells, including wells used only for the injection of domestic wastes, shall be permitted by the New Mexico Environment Department.

5. SCHEDULE OF COMPLIANCE:

5.A. ANNUAL REPORT: The Permittee shall submit its annual report to OCD by June 1st of each year.

5.B. BONDING OR FINANCIAL ASSURANCE: The Permittee shall submit an estimate of the minimum cost to properly close, plug and abandon its Class III well, conduct groundwater restoration if applicable, and any post-operational monitoring as may be needed (see 20.6.2. 5210B(17) NMAC). The Permittee's cost estimate shall be based on third person estimates. After review, OCD will require the Permittee to submit a single well plugging bond based on the third person cost estimate.

5.C. SURFACE SUBSIDENCE MONITORING PLAN: The Permittee shall submit the Surface Subsidence Monitoring Plan required in accordance with Permit Condition 2.B.1 within 180 days of permit issuance.

5.D. SOLUTION CAVERN CHARACTERIZATION PLAN: The Permittee shall submit the Solution Cavern Characterization Plan required in accordance with Permit Condition 2.B.2 within 180 days of permit issuance.

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

COMMENTS

Operator: WASSERHUND INC P.O. Box 2073 Lovington, NM 88260	OGRID: 130851
	Action Number: 598158
	Action Type: [UF-DP] Brine Facility Discharge Plan (DISCHARGE PLAN BRINE EXTRACTION)

COMMENTS

Created By	Comment	Comment Date
cchavez	Annual Report 2025	8/12/2026
cchavez	OCD Right Circular Cone Calculation Variables, Values & D/H Derivation: h = 660 Ft.; H = 1895 Ft.; V = 59,586,897 Ft.3; r = 293.7 Ft. & D/H = 0.30997	8/17/2026

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

Operator: WASSERHUND INC P.O. Box 2073 Lovington, NM 88260	OGRID: 130851
	Action Number: 598158
	Action Type: [UF-DP] Brine Facility Discharge Plan (DISCHARGE PLAN BRINE EXTRACTION)

CONDITIONS

Created By	Condition	Condition Date
cchavez	None	8/17/2026