

2024

Annual Class III

Well Report

Llano Disposal, LLC

BW-35

API – 30-25-30701

Submitted by: Laura Angell, 03/6/26

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Summary of Class III Well Operations

BW35 (Siringo ACS State # 1) was put into operation in mid-2017. After initial circulation and cleanup of the newly re-entered wellbore, the well started producing good, commercial quality brine water of 10# per gallon. Well operation was as expected, with the psi of injected fresh water very close to the calculated pressure needed to force the heavier brine water to the surface. The amount of fresh water injected as compared to the amount of brine water recovered, considering the known use of injected water to fill the void created by the continual solution mining of halite has been as planned. All numbers are reported monthly per OCD requirement and is also noted and used on the brine cavern characterization report. In general, the operation of BW35 has not been difficult, and has done a good job of servicing the requirements of industry in the Lea/Eddy County areas.

Two additional 500-barrel brine storage tanks were added to the tankage/loading facility. See **Appendix E** for a well and loading facility diagram.

A chronological list of C103 forms that Llano Disposal has filed on subject well can be found in **APPENDIX D** at the end of this report.

Annual Report

Llano Disposal, LLC BW35 API 30-025-30701

2024

Monthly Fluid Injection and Brine Production

Federal Fiscal Year
2024

Month	Brine Monthly BBLS	Brine Cumulative BBLS	Fresh Monthly BBLS	Fresh Cumulative BBLS	PSI	Percent Fresh/ Brine	RPD
Oct	23,898	23,898	26,453	26,453	201.0	1.1069	10.15
Nov	22,740	46,638	25,015	51,468	217.0	1.1000	9.53
Dec	25,650	72,288	28,403	79,871	220.0	1.1073	10.19
Jan	25,923	98,211	28,650	108,521	210.0	1.1052	9.99
Feb	26,440	124,651	29,232	137,753	211.0	1.1056	10.03
Mar	23,338	147,989	25,801	163,554	213.0	1.1055	10.02
Apr	26,475	174,464	29,201	192,755	206.0	1.1030	9.79
May	22,485	196,949	24,755	217,510	196.0	1.1010	9.61
Jun	12,380	209,329	13,653	231,163	208.0	1.1028	9.78
Jul	15,120	224,449	16,749	247,912	213.0	1.1077	10.22
Aug	18,863	243,312	20,843	268,755	205.0	1.1050	9.97
Sep	12,490	255,802	13,790	282,545	201.0	1.1041	9.89

Year	Brine Yearly BBLS	Brine Cumulative BBLS	Fresh Yearly BBLS	Fresh Cumulative BBLS	Fresh to Brine Ratio
2017	56,721	56,721	62,499	62,499	1.1019
2018	470,705	527,426	518,805	581,304	1.1022
2019	467,241	994,667	514,896	1,096,201	1.1020
2020	320,434	1,315,101	352,618	1,448,819	1.1004
2021	318,390	1,633,491	351,567	1,800,386	1.1042
2022	237,682	1,871,173	267,029	2,067,415	1.1235
*2023	197,140	2,068,313	218,624	2,286,039	1.1090
2024	255,802	2,324,115	282,545	2,568,584	1.1045

* Note – 2023 is the first time using the Federal Fiscal Year calendar. The first three months of the fiscal year were included in the 2022 Annual Report. The 2024 Annual Report includes a full fiscal year.

Annual Monitor Well Analytical Data Results

An analysis was done on the monitor well each quarter in 2024. The reports can be viewed in **APPENDIX F** at the end of this report. However, the fourth quarter results are listed below:

Sample Data

Llano Disposal LLC	Project Name:	U Bar Brine Station	
PO Box 250	Project Number:	22117-0001	Reported:
Lovington NM, 88260	Project Manager:	Elizabeth Pickerel	10/7/2024 4:48:11PM

Monitor Well

E409275-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Wet Chem/Gravimetric by SM2540C	mg/L	mg/L		Analyst: RAS		Batch: 2440083
Total Dissolved Solids	522	10.0	1	10/03/24	10/07/24	
Wet Chemistry by 9040C/4500H-B	pH Units	pH Units		Analyst: JM		Batch: 2440015
pH @25°C	7.82		1	09/30/24 09:43	09/30/24 11:59	H5
Wet Chemistry by SM2710F**	N/A	N/A		Analyst: KH		Batch: 2441001
Specific Gravity	0.992		1	10/07/24	10/07/24	
Anions by EPA 300.0/9056A	mg/L	mg/L		Analyst: DT		Batch: 2440021
Chloride	89.6	2.00	1	09/30/24	09/30/24	

Injection Pressure Data

Injection pressure at the well (tubing) averages 208/PSI. The brine well casing pressure (brine to battery), averages about 35 PSI. The field operator checks the pressures daily and records them on the daily log.

Pipeline Hydrostatic Test Results

Service piping both to and from BW35 is 3" SDR11 high density poly. These 2 lines are tested accordingly to 160 psi. The feeder line (fresh water) runs due west from the fresh water well to BW35. Testing is accomplished by closing a steel ball valve on the well head, then allowing the freshwater pump to bring pressure up to 160 psi. The line is then isolated by valving installed at each end of the line. Pressure is held static on the line for 1 hour, during which time the entire line is visually inspected. The 3" SDR11 HD poly line leading from BW35 to the tankage facility, is tested in the same manner. A valve in the line is closed at the tankage facility. Then the freshwater line at the wellhead is allowed to pressure to 160 psi. A jumper line between the freshwater line and the brine line has been installed at BW35 well head to accomplish this. After brine line pressure has risen to 160 psi, the entire system is shut down, then the brine line is isolated by closing valving in place at each end of the line. Pressure is held for 1 hour, during which time the line is visually inspected. The freshwater line and the brine line run across land that is under the same ownership as Llano Disposal, LLC. Therefore, driving these lines for inspection during testing, and during normal operations, is frequent and at will. The lines between the storage tanks and the truck loading valves, are all 6" SDR11 high density poly. These lines carry normal head pressure of 0 psi (emptied tanks) to 8.4 psi (full tankage) but are virtually always under positive pressure. These lines are under continual live camera observation and viewed daily both by truckers and by Llano field personnel. All tanks are 16' fiberglass and are manifolded together with said 6" SDR11 HD poly line. Valving is installed on the outlet of each tank so that anyone, or all of the tanks can be closed off if needed. All valving and connections are plastic coated steel, stainless steel, poly, or fiberglass.

Pipeline Visual Inspections for leaks are done at minimum every other day, monitoring lines, joints, tanks, and recording volumes and pressure.

Quarterly Chemical Analysis

A chemical analysis was done each quarter in 20243. The reports can be viewed in **APPENDIX F** at the end of this report.

Mechanical Integrity Test

A MIT was performed on 3/8/21: Llano scheduled, then ran a MIT on BW35 using a calibrated chart recorder with OCD witness (Hobbs OCD, George Bowers). Meter was within meter calibration date requirements (calibrated 2/9/21). The well was tested to regulation psig for the regulation period and exhibited no psig leak-off. See Chart No. 1 in **APPENDIX A**.

Deviations from normal Operations

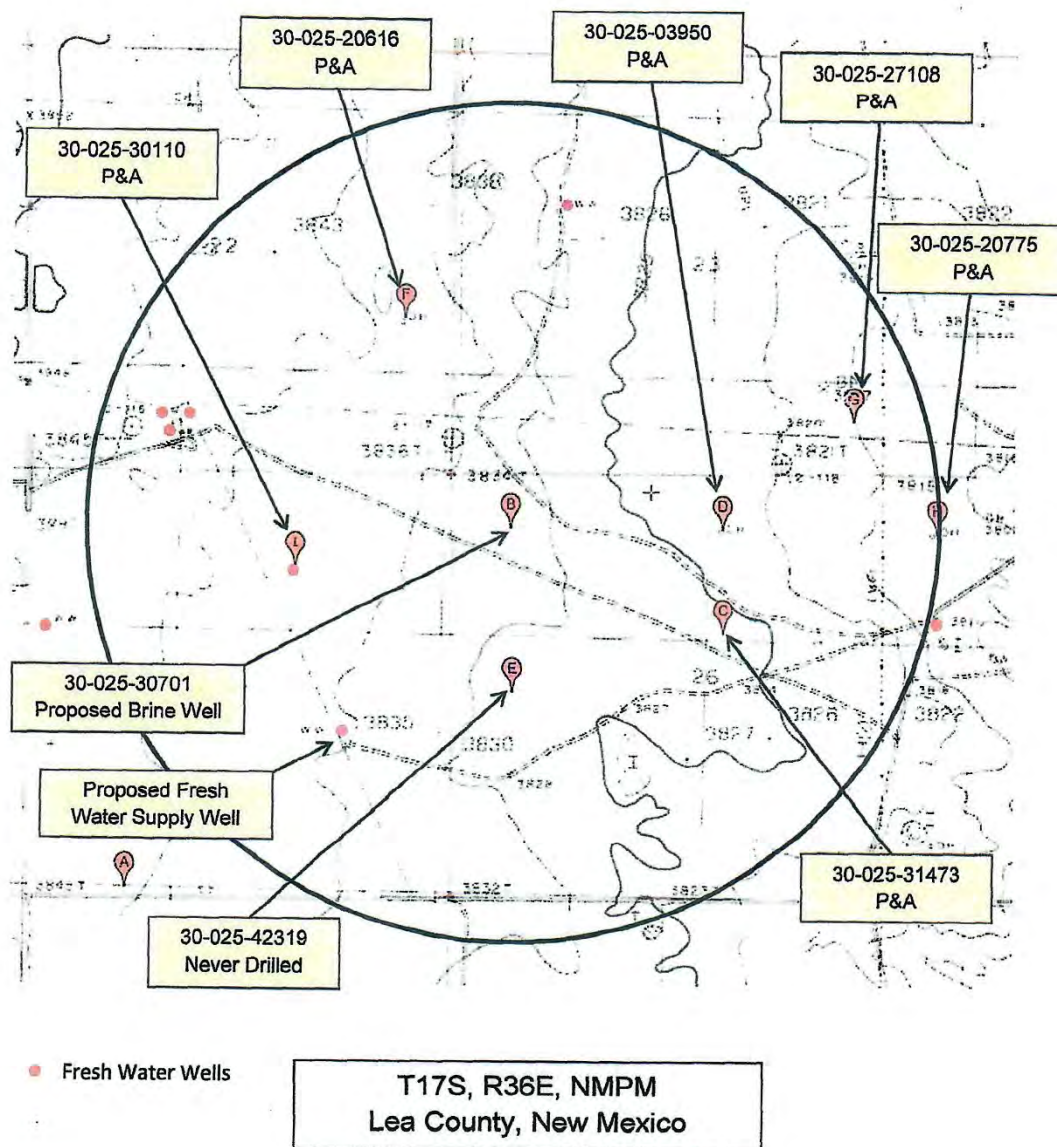
There were no deviations during this period.

Leaks and Spills Corrective Action Reports

There were no leaks, spills, or corrective action during this period.

Area of Review Update Summary

Please see below, the AOR document that was submitted as part of the 2022 application for BW-35. A current, location-by-location review of this brine permit has been completed, and it was found that there has been no oil or gas well development in the area since the original AOR document was created and submitted to NMOCD as part of the 2022 application.



Summary MITs, Surface Subsidence Surveys, Cavern Size & Shape, Cavern Volume and Geometry Measurements with Conclusion(s) and Recommendation(s)

A MIT was performed on 3/8/21: Llano scheduled, then ran a MIT on BW35 using a calibrated chart recorder with OCD witness (Hobbs OCD, George Bowers). Meter was within meter calibration date requirements (calibrated 2/9/21). The well was tested to regulation psig for the regulation period and exhibited no psig leak-off. See Chart No. 1 in **APPENDIX A**.

Please find the Subsidence Report in **APPENDIX C** at the end of this report, which was prepared for us by Asel Surveying of Hobbs, NM. The importance and purpose of the report is to closely monitor any geological shifting, either vertically or horizontally, in the earth surrounding the brine well.

A description of the Cavern Size & Shape, Cavern Volume and Geometry Measurements, is in **APPENDIX B** at the end of this report.

In conclusion, the operational history of BW35 could be described as “good”, meaning that the well has performed very well in producing 10# brine. There are no recommendations currently.

Injected Fluids to Brine Ratio

Total Brine for the fiscal year	255,802
Total Fresh for the fiscal year	282,545
Ratio of Fresh to Brine	1.1045

Summary of Major Facility Activities

There were no major facility activities at this well during 2024.

Surface Subsidence Monitoring Plan Data Results

Data results are included in **Appendix C** at the end of this report.

Solution Cavern Characterization Data Results

Please see **APPENDIX B** at the end of this report for a full description.

APPENDIX A

MITs

Annual Report

Llano Disposal, LLC BW35 API 30-025-30701

2024

Received by OCD: 3/8/2021 11:49:07 AM

Page 1 of 6

Submit 1 Copy To Appropriate District Office

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

State of New Mexico
Energy, Minerals and Natural Resources

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

Form C-103
Revised July 18, 2013

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.)		WELL API NO. 30-02530701
1. Type of Well: Oil Well ☐ Gas Well ☐ Other ☒ BSW		5. Indicate Type of Lease STATE ☒ FEE ☐
2. Name of Operator Llano Disposal, LLC		6. State Oil & Gas Lease No. Salado
3. Address of Operator PO BOX 250 Lovington NM 88260		7. Lease Name or Unit Agreement Name Siringo ACS St.
4. Well Location Unit Letter D : 660 feet from the N line and 660 feet from the W line Section 26 Township 17S Range 36E NMPM County Lea		8. Well Number 1
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3831' MDL		9. OGRID Number 370661
		10. Pool name or Wildcat BSW (Brine)

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

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

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.

Per earlier C103 notices, we rigged up to repair damaged fiberglass tubing. Accomplished repairs, then ran a 4 hour MIT test in coordination w/mr. Frotnier (OCD, Hobbs). Please find pressure chart & current wellbore schematic attached.

Spud Date:

Rig Release Date:

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

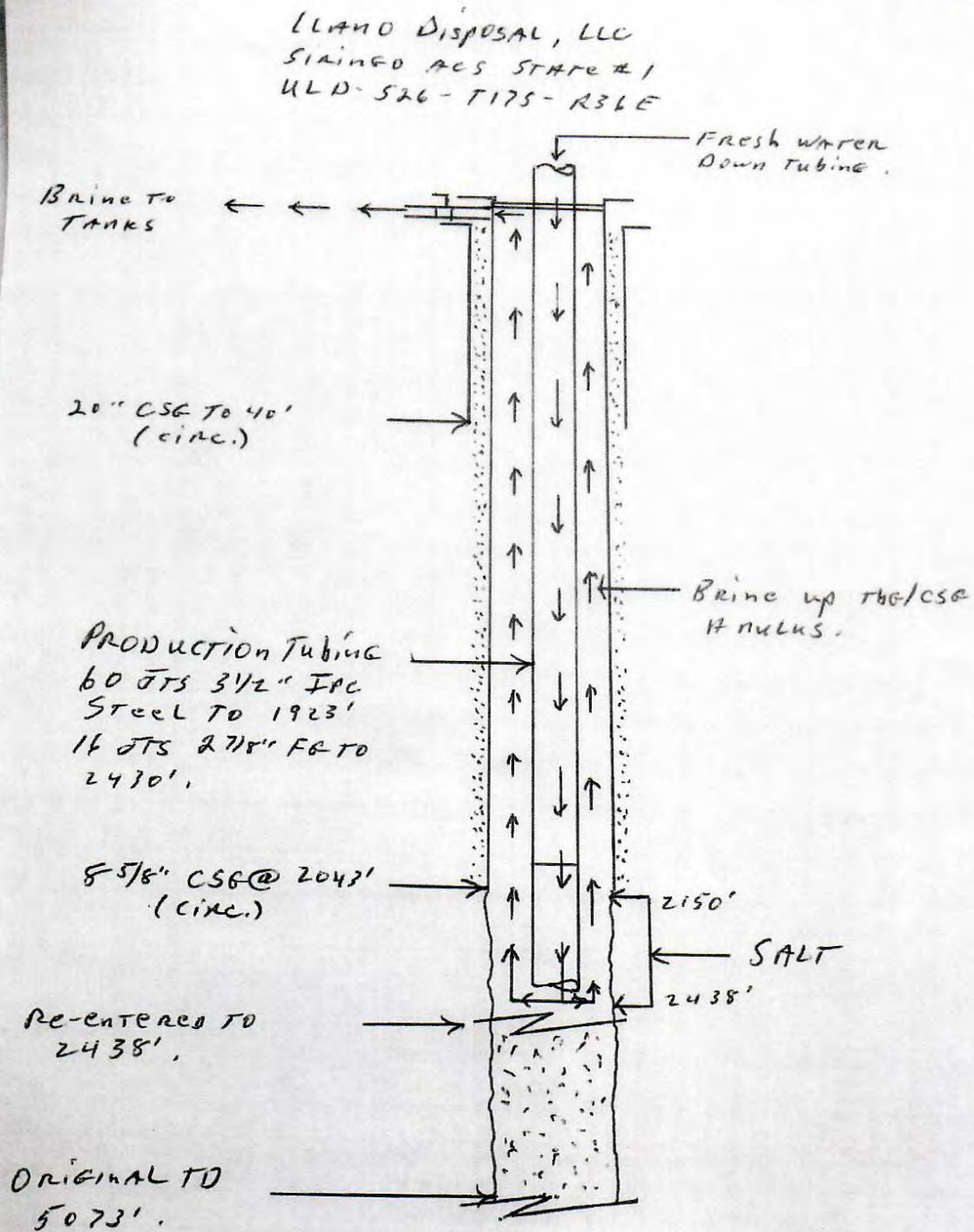
SIGNATURE Elizabeth P. Uckerel TITLE Brine (mgr) DATE 03-08/2021Type or print name Elizabeth P. Uckerel E-mail address: service.llanobrine@gmail.com PHONE: 575-605-6490APPROVED BY: Kerry Frotnier TITLE Compliance Officer A DATE 7/16/21

Conditions of Approval (if any):

Released to Imaging: 7/16/2021 2:25:58 PM

Received by OCD: 3/8/2021 11:49:07 AM

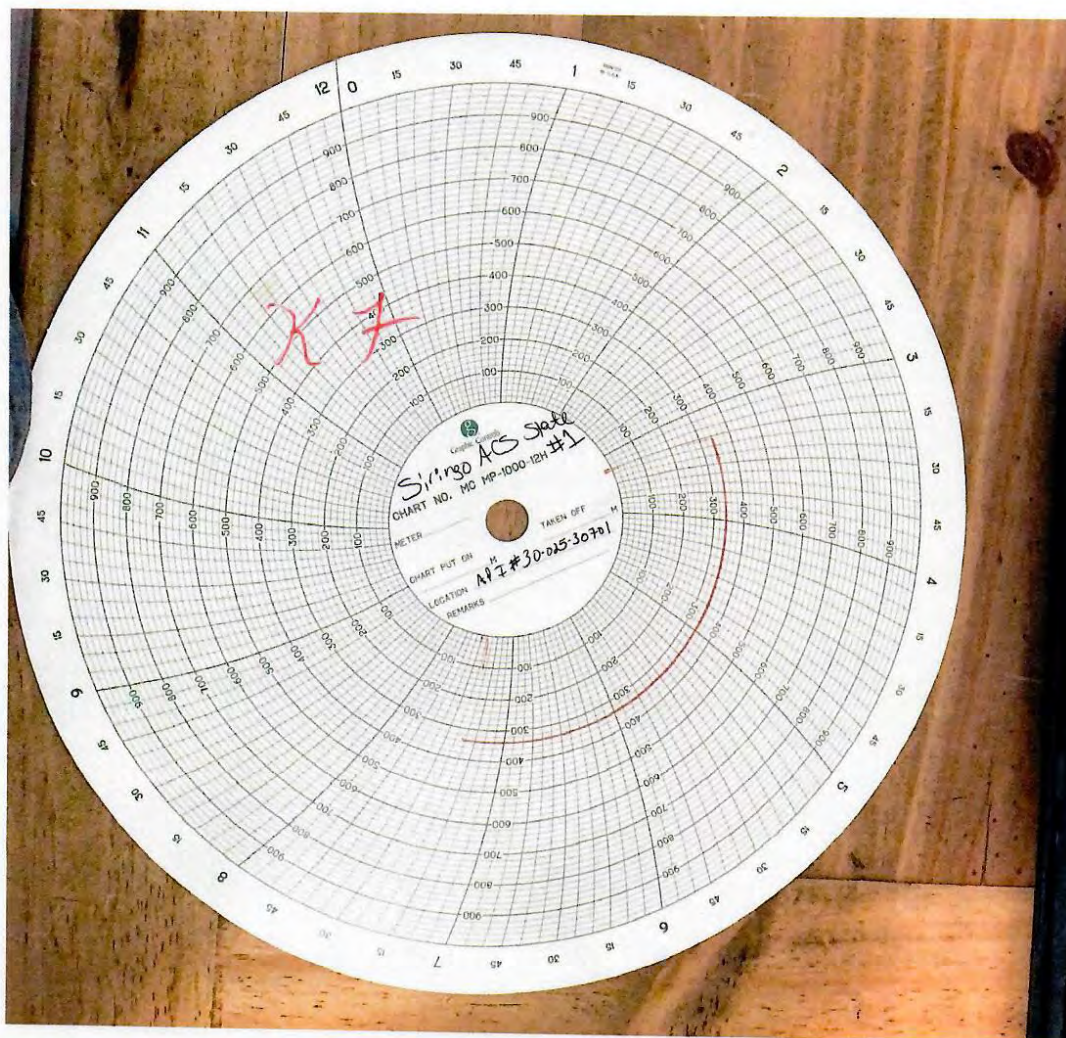
Page 2 of 6



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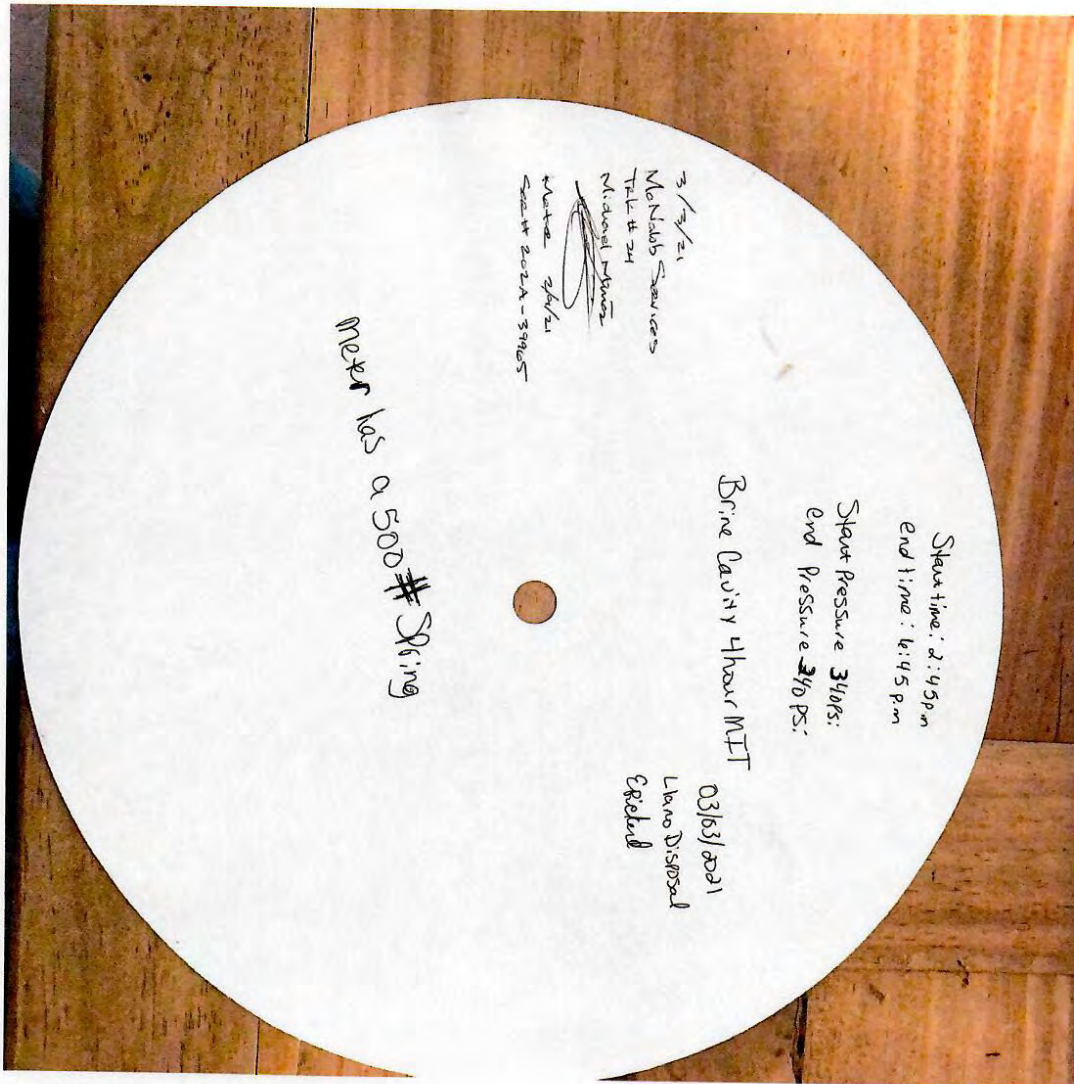
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APPENDIX B

Cavern Characterization

Cavern Characterization

By the end of Federal Fiscal Year 2024, 2,568,584 total bbls of fresh water had been injected into the salt strata for the purpose of brine generation (107,880,528 gallons). Well production history has shown that this well reliably averages 10.0 pound brine water. It therefore follows that each gallon of fresh water (testing 8.34 pounds per gallon) has been dissolving 1.66 pounds of halite. By simple calculation, 179,081,676 pounds of halite and other water solubles have gone into solution since operations began. Halite has a SG of 2.17 (compared to fresh water), so is calculated and known to weigh 137.47 pounds per cubic foot. It follows then, that 1,302,696.42 cubic feet of halite have gone into solution since operations began. The amount of fresh water injected (2,568,584 bbls) as compared to the amount of brine produced (2,324,115 bbls) shows that water is being used to fill the cavity as the cavity increases in volume:

Therefore, fresh water injected compared to brine water produced is 110.5188%.

Since it is impossible to know the exact dimensions of the cavity, some assumptions are reasonably made. OCD regulations require that fresh water be injected down a tubing string so that brine may be produced up the tubing/casing annulus. Therefore, brine generation begins at total depth, and by the time water so circulated reaches the annulus, it has become marketable 10# brine. It is logical then that dissolution will be rapid at first, then tapers off as saturation is achieved. Such action would imply a cone shaped (inverted cone) cavity.

The teaching to calculate the volume of a truncated cone is:

$$\text{Volume} = (1/3) \times \pi (R^2 + (R \times r) + r^2) H$$

Where:

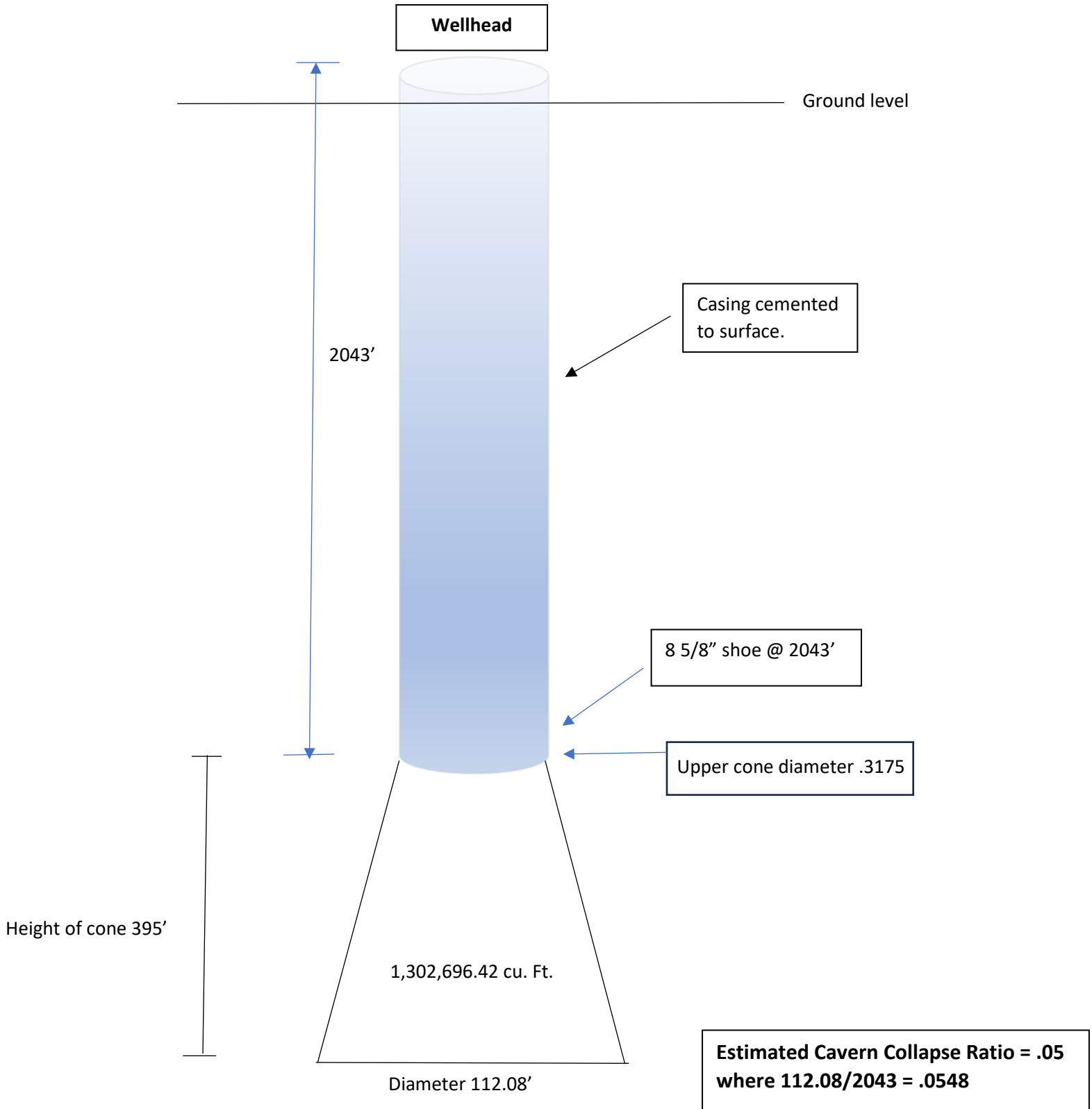
- 1) r equals the radius of the small (upper) end cone diameter in feet
- 2) R equals the radius of the large (lower) end cone diameter in feet
- 3) R^2 is "R squared". r^2 is "r squared".
- 4) H is depth in feet from tubing depth to top of salt (casing shoe).

Justification for calculation of salt dissolved by the injection of fresh water into BW35 Salado:

Fresh water used at BW35 for the purpose of brine generation is known to weigh 8.4 lbs. per gallon. Therefore 1.6 lbs. of salt must be taken up by each gallon of fresh water so injected to result in 10 ppg brine water, which is the known industry standard. It follows then that each barrel of brine water (one API barrel = 42 gallons) contains 42×1.6 lbs. of salt, or 67.2 lbs. of salt. One cubic foot of salt weighs 137.47 lbs. Continuing, the cubic feet of salt consumed in one year is equal to the total amount of salt that is calculated to have gone into solution divided by 137.47 lbs.

The attached illustration, with dimensions shown, satisfies the cubic foot volume of solubles (halite) that have been solution mined since operations first began.

Cavern Size, Shape, & Volume Estimate



APPENDIX C

Subsidence Survey Results

LLANO DISPOSAL LLC.

SIRINGO ACS STATE #1 API #30-025-30701

On May 24, 2024 a field survey was conducted of the Llano Disposal LLC — Siringo ACS State #1 (API #30-025-30701) and four subsidence monuments located in Unit letter D, Section 26, Township 17 South, Range 36 East, N.M.P.M., Lea County, New Mexico. Located approximately 8.3 miles South of Lovington NM.

VERTICAL ELEVATION TABLE

Survey	Original Survey EL (Feet)	EL (Feet)	EL (Feet)	EL (Feet)	EL (Feet)	EL (Feet)
Monument ID	01/31/2022*	03/20/2023	05/24/2024			
1	3828.30*	3828.24	3828.23			
2	3827.30*	3827.20	3827.21			
3	3826.93*	3826.85	3826.84			
4	3830.01*	3829.96	3829.95			
Well Flange	—	3828.36	3828.38			
Bench Mark	3813.31*	3813.31	3813.31			
Control Point	—	3827.42	3827.42			

* — Data from Pettigrew & Associates.
Difference in elevations attributed to different GPS equipment used.
Asel Surveying versus Pettigrew & Associates.

HORIZONTAL LOCATIONS

Monument ID	Northing	Easting
1	659971.74	849136.55
2	661265.11	848987.55
3	660370.60	850232.37
4	660441.60	848434.52
Well Head	660367.21	849102.07
"	N33°13'21.03"	W103°18'55.69"



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 6/3/2024
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



Bearings and Coordinates conform to the New Mexico State Plane Coordinate System, New Mexico East Zone, NAD83, as derived from static GPS data sent to the National Geodetic Survey for OPUS solution processing.
Basis of Elevations: U.S.C. & G.S. Bench Mark

CV0295

Published Elev. = 3813.31

LLANO DISPOSAL LLC.

SIRINGO ACS STATE #1 LOCATED IN
SECTION 26, TOWNSHIP 17 SOUTH, RANGE 36
EAST, N.M.P.M., LEA COUNTY, NEW MEXICO

Survey Date: 05/24/24	Sheet 1 of 1 Sheets
W.O. Number: 240524SUB	Drawn By: KA Rev:
Date: 05/29/24	240524SUB Scale: 1"=1000'

Monument Survey – BW-35**Vertical Elevation Table**

				Comp to
Survey	Baseline	El (ft)		Baseline
Monument ID	El (ft)	5/24/2024		+/- ft
1	3828.24	3828.23		-0.01
2	3827.20	3827.21		0.01
3	3826.85	3826.84		-0.01
4	3829.96	3829.95		-0.01
Well Flange	3828.36	3828.38		0.02
Benchmark	3813.31	3813.31		0.00
Control Point	3827.42	3827.42		0.00

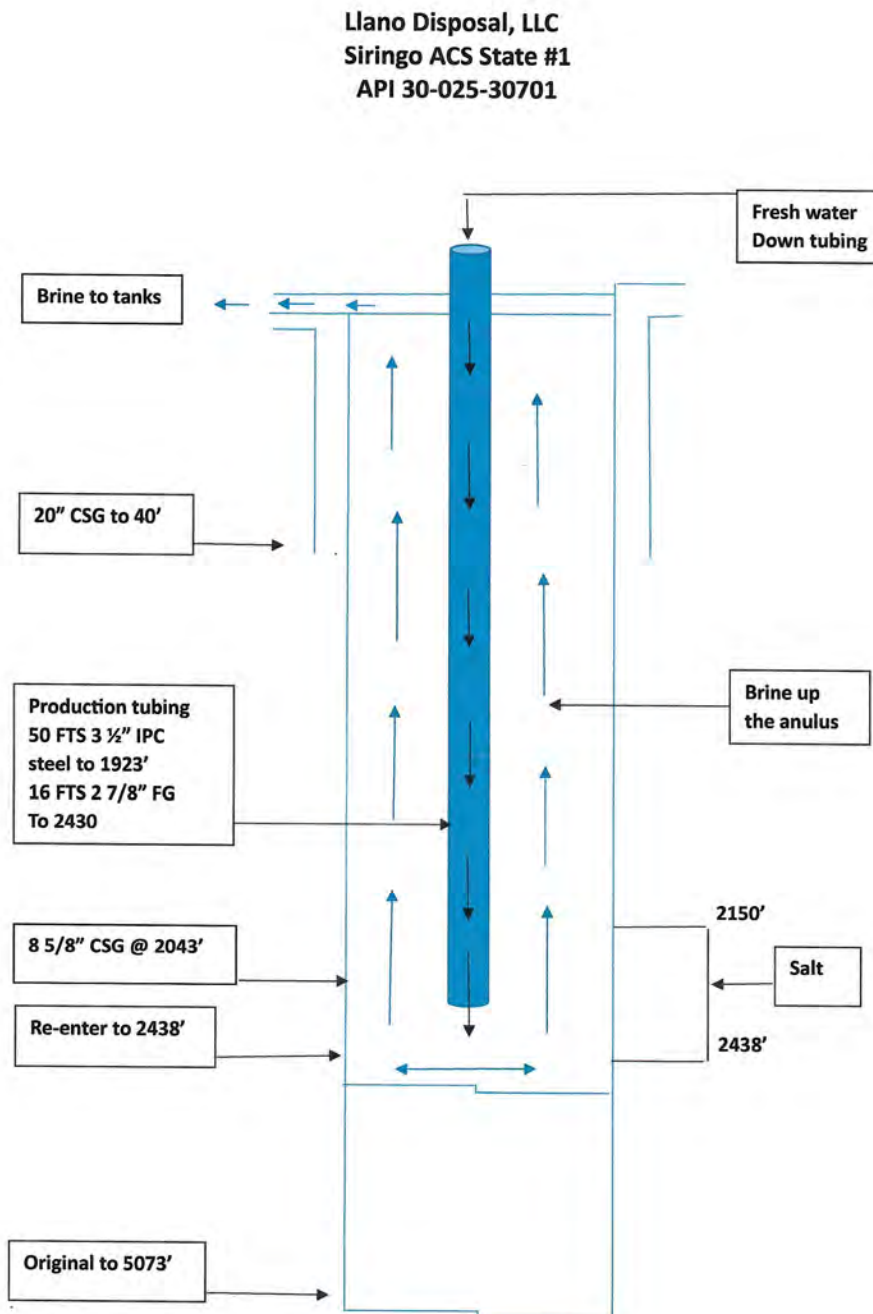
APPENDIX D

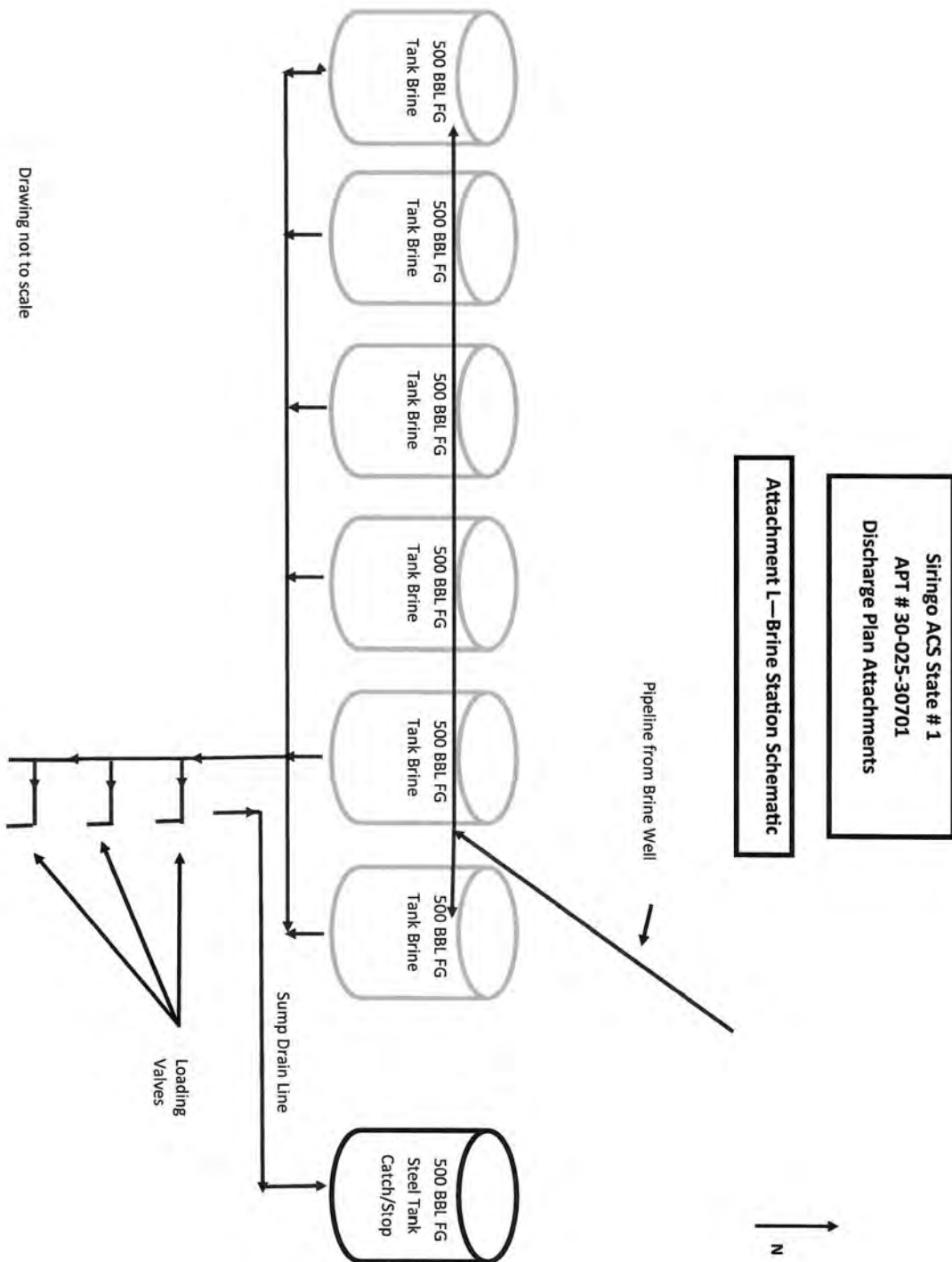
Sundries

There were no sundries in fiscal year 2024.

APPENDIX E

Well Diagrams





APPENDIX F

Chemical Analysis

Report to:
Elizabeth Pickerel



5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Llano Disposal LLC

Project Name: U Bar Brine Station

Work Order: E401001

Job Number: 22117-0001

Received: 1/2/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
1/8/24

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc. attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc. holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc. holds the Texas TNI certification T104704557 for data reported.

Annual Report

Llano Disposal, LLC BW35 API 30-025-30701

2024

Date Reported: 1/8/24

Elizabeth Pickerel
PO Box 250
Lovington, NM 88260



Project Name: U Bar Brine Station
Workorder: E401001
Date Received: 1/2/2024 8:00:00AM

Elizabeth Pickerel,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 1/2/2024 8:00:00AM, under the Project Name: U Bar Brine Station.

The analytical test results summarized in this report with the Project Name: U Bar Brine Station apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman

Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Alexa Michaels

Sample Custody Officer
Office: 505-632-1881
labadmin@envirotech-inc.com

Field Offices:

Southern New Mexico Area**Lynn Jarboe**

Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljjarboe@envirotech-inc.com

Michelle Golzaes

Client Representative
Office: 505-421-LABS(5227)
Cell: 505-947-8222
mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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QC - Wet Chemistry by 9040C/4500H+B	9
QC - Total Metals by EPA 6010C	10
QC - Anions by EPA 300.0/9056A	11
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Sample Summary

Llano Disposal LLC	Project Name:	U Bar Brine Station	Reported:
PO Box 250	Project Number:	22117-0001	
Lovington NM, 88260	Project Manager:	Elizabeth Pickersel	01/08/24 16:29

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
Brine Well	E401001-01A	Aqueous	12/29/23	01/02/24	Poly 500mL
Fresh Well	E401001-02A	Aqueous	12/29/23	01/02/24	Poly 500mL
Monitor Well	E401001-03A	Aqueous	12/29/23	01/02/24	Poly 500mL

Annual Report

Llano Disposal, LLC BW35 API 30-025-30701

2024

Sample Data

Llano Disposal LLC	Project Name:	U Bar Brine Station	
PO Box 250	Project Number:	22117-0001	Reported:
Lovington NM, 88260	Project Manager:	Elizabeth Pickerel	1/8/2024 4:29:56PM

Brine Well

E401001-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Wet Chem/Gravimetric by SM2540C	mg/L	mg/L	Analyst: RAS			Batch: 2401006
Total Dissolved Solids	313000	100	1	01/03/24	01/08/24	
Wet Chemistry by 9040C/4500H+B	pH Units	pH Units	Analyst: WF			Batch: 2401031
pH @25°C	6.93		1	01/04/24 09:23	01/04/24 14:40	115
Wet Chemistry by SM2710F**	N/A	N/A	Analyst: KH			Batch: 2401037
Specific Gravity	1.199		1	01/05/24	01/05/24	
Total Metals by EPA 6010C	mg/L	mg/L	Analyst: RKS			Batch: 2401003
Sodium	133000	2000	1000	01/04/24	01/08/24	
Anions by EPA 300.0/9056A	mg/L	mg/L	Analyst: DT			Batch: 2401016
Chloride	228000	2000	1000	01/03/24	01/03/24	



Annual Report

Llano Disposal, LLC BW35 API 30-025-30701

2024

Sample Data

Llano Disposal LLC	Project Name:	U Bar Brine Station	Reported:
PO Box 250	Project Number:	22117-0001	
Lovington NM, 88260	Project Manager:	Elizabeth Pickrel	1/8/2024 4:29:56PM

Fresh Well

E401001-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Wet Chem/Gravimetric by SM2540C						
Total Dissolved Solids	452	10.0	1	01/03/24	01/08/24	Batch: 2401006
Wet Chemistry by 9040C/4500H+B						
pH @25°C	7.91		1	01/04/24 09:23	01/04/24 14:40	Batch: 2401031
Wet Chemistry by SM2710F**						
Specific Gravity	0.998	N/A	1	01/05/24	01/05/24	Batch: 2401037
Anions by EPA 300.0/9056A						
Chloride	92.1	2.00	1	01/03/24	01/03/24	Batch: 2401016



Sample Data

Llano Disposal LLC	Project Name:	U Bar Brine Station	Reported:
PO Box 250	Project Number:	22117-0001	
Lovington NM, 88260	Project Manager:	Elizabeth Pickrel	1/8/2024 4:29:56PM

Monitor Well

E401001-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Wet Chem/Gravimetric by SM2540C						
Total Dissolved Solids	224	10.0	1	01/03/24	01/08/24	Batch: 2401006
Wet Chemistry by 9040C/4500H+B						
pH @25°C	7.80		1	01/04/24 09:23	01/04/24 14:40	Batch: 2401031
Wet Chemistry by SM2710F**						
Specific Gravity	0.996	N/A	1	01/05/24	01/05/24	Batch: 2401037
Anions by EPA 300.0/9056A						
Chloride	91.9	2.00	1	01/03/24	01/03/24	Batch: 2401016



QC Summary Data

Llano Disposal LLC	Project Name:	U Bar Brine Station	Reported:
PO Box 250	Project Number:	22117-0001	
Lovington NM, 88260	Project Manager:	Elizabeth PickereJ	1/8/2024 4:29:56PM

Wet Chem/Gravimetric by SM2540C

Analyst: RAS

Analyte	Result mg/L	Reporting Limit mg/L	Spike Level mg/L	Source Result mg/L	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
---------	----------------	----------------------------	------------------------	--------------------------	----------	--------------------	----------	-------------------	-------

Blank (2401006-BLK1)					Prepared: 01/03/24 Analyzed: 01/08/24				
Total Dissolved Solids	ND	10.0							
LCS (2401006-BS1)					Prepared: 01/03/24 Analyzed: 01/08/24				
Total Dissolved Solids	82.0	10.0	100		82.0	55-134			
Duplicate (2401006-DUP1)					Source: E401002-02 Prepared: 01/03/24 Analyzed: 01/08/24				
Total Dissolved Solids	395	10.0		389			44.1	5	R3

Annual Report

Llano Disposal, LLC BW35 API 30-025-30701

2024

QC Summary Data

Llano Disposal LLC	Project Name:	U Bar Brine Station	Reported:
PO Box 250	Project Number:	22117-0001	
Lovington NM, 88260	Project Manager:	Elizabeth Pickeral	1/8/2024 4:29:56PM

Wet Chemistry by 9040C/4500H+B

Analyst: WF

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	pH Units	pH Units	pH Units	pH Units	%	%	%	%	

LCS (2401031-BS1)

Prepared: 01/04/24 Analyzed: 01/04/24

pH 8.00 8.00 100 98.75-101.25

Duplicate (2401031-DUP1)

Source: E401001-01

Prepared: 01/04/24 Analyzed: 01/04/24

pH 6.94 6.93 6.144 20



Annual Report

Llano Disposal, LLC BW35 API 30-025-30701

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QC Summary Data

Llano Disposal LLC	Project Name:	U Bar Brine Station	Reported:
PO Box 250	Project Number:	22117-0001	
Lovington NM, 88260	Project Manager:	Elizabeth Pickerele	1/8/2024 4:29:56PM

Total Metals by EPA 6010C

Analyst: JL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/L	mg/L	mg/L	mg/L	%	%	%	%	

Blank (2401003-BLK1)

Prepared: 01/04/24 Analyzed: 01/04/24

Sodium

ND

2.00

LCS (2401003-BS1)

Prepared: 01/04/24 Analyzed: 01/04/24

Sodium

20.2

2.00

20.0

101

80-120

Matrix Spike (2401003-MS1)

Source: E312156-01

Prepared: 01/04/24 Analyzed: 01/04/24

Sodium

1800

20.0

200

1550

129

75-125

M4

Matrix Spike Dup (2401003-MSD1)

Source: E312156-01

Prepared: 01/04/24 Analyzed: 01/04/24

Sodium

1790

20.0

200

1550

125

75-125

0.500

20



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QC Summary Data

Llano Disposal LLC	Project Name:	U Bar Brine Station	Reported:
PO Box 250	Project Number:	22117-0001	
Lovington NM, 88260	Project Manager:	Elizabeth Pickeral	1/8/2024 4:29:56PM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result mg/L	Reporting Limit mg/L	Spike Level mg/L	Source Result mg/L	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
---------	----------------	----------------------------	------------------------	--------------------------	----------	--------------------	----------	-------------------	-------

Blank (2401016-BLK1)

Prepared: 01/03/24 Analyzed: 01/03/24

Chloride

ND

2.00

LCS (2401016-BS1)

Prepared: 01/03/24 Analyzed: 01/03/24

Chloride

24.9

2.00

25.0

99.7

90-110

LCS Dup (2401016-BSD1)

Prepared: 01/03/24 Analyzed: 01/03/24

Chloride

25.0

2.00

25.0

100

90-110

0.329

20

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

Llano Disposal LLC	Project Name:	U Bar Brine Station	
P.O. Box 250	Project Number:	22117-0001	Reported:
Lovington NM, 88260	Project Manager:	Elizabeth Pickrel	01/08/24 16:29

H5 pH is specified to be performed in the field within 15 minutes of sampling. The sample analysis was performed as quickly as possible.

M4 Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable.

R3 The RPD exceeded the acceptance limit. LCS spike recovery met acceptance criteria.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Annual Report

Llano Disposal, LLC BW35 API 30-025-30701

2024

Project Information

Chain of Custody

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Annual Report

Llano Disposal, LLC BW35 API 30-025-30701

2024

Envirotech Analytical Laboratory

Printed: 1/2/2024 9:20:44AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client: Llano Disposal LLC
Phone: 575-605-6490
Email: service.llanobrinc@gmail.com

Date Received: 01/02/24 08:00
Date Logged In: 01/02/24 09:04
Due Date: 01/08/24 17:00 (4 day TAT)

Work Order ID: E401001
Logged In By: Alexa Michaels

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C
Note: Thermal preservation is not required, if samples are received w/in 15 minutes of sampling

13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? No
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

20. Were field sample labels filled out with the minimum information:
Sample ID? Yes
Date/Time Collected? Yes
Collectors name? Yes

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Elizabeth Pickerel



5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Llano Disposal LLC

Project Name: U Bar Brine Station

Work Order: E403287

Job Number: 22117-0001

Received: 3/29/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
4/4/24

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc. attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc. holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc. holds the Texas TNI certification T104704557 for data reported.

Annual Report

Llano Disposal, LLC BW35 API 30-025-30701

2024

Date Reported: 4/4/24

Elizabeth Pickerel
PO Box 250
Lovington, NM 88260



Project Name: U Bar Brine Station
Workorder: E403287
Date Received: 3/29/2024 7:15:00AM

Elizabeth Pickerel,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/29/2024 7:15:00AM, under the Project Name: U Bar Brine Station.

The analytical test results summarized in this report with the Project Name: U Bar Brine Station apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman

Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator
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Alexa Michaels

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mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Llano Disposal LLC	Project Name:	U Bar Brine Station	Reported: 04/04/24 16:14
PO Box 250	Project Number:	22117-0001	
Lovington NM, 88260	Project Manager:	Elizabeth Pickersel	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
Brine Well	E403287-01A	Aqueous	03/28/24	03/29/24	Poly 500mL
Fresh Well	E403287-02A	Aqueous	03/28/24	03/29/24	Poly 500mL
Monitor Well	E403287-03A	Aqueous	03/28/24	03/29/24	Poly 500mL

Sample Data

Llano Disposal LLC	Project Name:	U Bar Brine Station	Reported:
PO Box 250	Project Number:	22117-0001	4/4/2024 4:14:39PM
Lovington NM, 88260	Project Manager:	Elizabeth Pickrel	

Brine Well

E403287-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Wet Chem/Gravimetric by SM2540C	mg/L	mg/L	Analyst: JL			Batch: 2414012
Total Dissolved Solids	310000	100	1	04/01/24	04/04/24	
Wet Chemistry by 9040C/4500H+B	pH Units	pH Units	Analyst: WF			Batch: 2414058
pH @25°C	6.95		1	04/04/24 08:41	04/04/24 14:25	H5
Wet Chemistry by SM2710F**	N/A	N/A	Analyst: KH			Batch: 2414062
Specific Gravity	1.253		1	04/04/24	04/04/24	
Total Metals by EPA 6010C	mg/L	mg/L	Analyst: JL			Batch: 2414043
Sodium	127000	2000	1000	04/03/24	04/03/24	
Anions by EPA 300.0/9056A	mg/L	mg/L	Analyst: DT			Batch: 2413127
Chloride	176000	2000	1000	03/29/24	03/29/24	



Sample Data

Llano Disposal LLC	Project Name:	U Bar Brine Station	Reported:
PO Box 250	Project Number:	22117-0001	
Lovington NM, 88260	Project Manager:	Elizabeth Pickrel	4/4/2024 4:14:39PM

Fresh Well

E403287-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Wet Chem/Gravimetric by SM2540C						
Total Dissolved Solids	440	10.0	1	04/01/24	04/04/24	Batch: 2414012
Wet Chemistry by 9040C/4500H+B						
pH @25°C	7.79		1	04/04/24 08:41	04/04/24 14:25	Batch: 2414058
Wet Chemistry by SM2710F**						
Specific Gravity	1.042	N/A	1	04/04/24	04/04/24	Batch: 2414062
Anions by EPA 300.0/9056A						
Chloride	143	100	50	03/29/24	03/29/24	Batch: 2413127



Annual Report

Llano Disposal, LLC BW35 API 30-025-30701

2024

Sample Data

Llano Disposal LLC	Project Name:	U Bar Brine Station	Reported:
PO Box 250	Project Number:	22117-0001	
Lovington NM, 88260	Project Manager:	Elizabeth Pickrel	4/4/2024 4:14:39PM

Monitor Well

E403287-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Wet Chem/Gravimetric by SM2540C						
Total Dissolved Solids	475	10.0	1	04/01/24	04/04/24	Batch: 2414012
Wet Chemistry by 9040C/4500H+B						
pH @25°C	7.71		1	04/04/24 08:41	04/04/24 14:25	Batch: 2414058
Wet Chemistry by SM2710F**						
Specific Gravity	1.039	N/A	1	04/04/24	04/04/24	Batch: 2414062
Anions by EPA 300.0/9056A						
Chloride	91.1	2.00	1	03/29/24	03/29/24	Batch: 2413127



QC Summary Data

Llano Disposal LLC	Project Name:	U Bar Brine Station	Reported:
PO Box 250	Project Number:	22117-0001	
Lovington NM, 88260	Project Manager:	Elizabeth Pickere)	4/4/2024 4:14:39PM

Wet Chem/Gravimetric by SM2540C

Analyst: JL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/L	mg/L	mg/L	mg/L	%	%	%	%	

Blank (2414012-BLK1)					Prepared: 04/01/24 Analyzed: 04/04/24				
Total Dissolved Solids	ND	10.0							
LCS (2414012-BS1)					Prepared: 04/01/24 Analyzed: 04/04/24				
Total Dissolved Solids	96.0	10.0	100		96.0	55-134			
Duplicate (2414012-DUP1)					Source: E403286-03 Prepared: 04/01/24 Analyzed: 04/04/24				
Total Dissolved Solids	299	10.0		303			1.33	5	

QC Summary Data

Llano Disposal LLC	Project Name:	U Bar Brine Station	Reported:
PO Box 250	Project Number:	22117-0001	
Lovington NM, 88260	Project Manager:	Elizabeth Pickeral	4/4/2024 4:14:39PM

Wet Chemistry by 9040C/4500H+B

Analyst: WF

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	pH Units	pH Units	pH Units	pH Units	%	%	%	%	

LCS (2414058-BSI)									Prepared: 04/04/24 Analyzed: 04/04/24
pH	8.00		8.00		100	98.75-101.25			
Duplicate (2414058-DUP1)									Source: E403285-01 Prepared: 04/04/24 Analyzed: 04/04/24
pH	6.99			6.98		0.186	20		

Annual Report

Llano Disposal, LLC BW35 API 30-025-30701

2024

QC Summary Data

Llano Disposal LLC	Project Name:	U Bar Brine Station	Reported:
PO Box 250	Project Number:	22117-0001	
Lovington NM, 88260	Project Manager:	Elizabeth Pickerele	4/4/2024 4:14:39PM

Total Metals by EPA 6010C

Analyst: JL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/L	mg/L	mg/L	mg/L	%	%	%	%	

Blank (2414043-BLK1)

Prepared: 04/03/24 Analyzed: 04/03/24

Sodium ND | 2.00 | | | | | | | |

LCS (2414043-BS1)

Prepared: 04/03/24 Analyzed: 04/03/24

Sodium 19.1 | 2.00 | 20.0 | | 95.6 | 80-120 | | | |

Matrix Spike (2414043-MS1)

Source: E403269-01

Prepared: 04/03/24 Analyzed: 04/04/24

Sodium 525 | 20.0 | 20.0 | 550 | NR | 75-125 | | | M4 |

Matrix Spike Dup (2414043-MSD1)

Source: E403269-01

Prepared: 04/03/24 Analyzed: 04/04/24

Sodium 502 | 20.0 | 20.0 | 550 | NR | 75-125 | 4.56 | 20 | M4 |

QC Summary Data

Llano Disposal LLC	Project Name:	U Bar Brine Station	Reported:
PO Box 250	Project Number:	22117-0001	
Lovington NM, 88260	Project Manager:	Elizabeth Pickeral	4/4/2024 4:14:39PM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result mg/L	Reporting Limit mg/L	Spike Level mg/L	Source Result mg/L	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2413127-BLK1)

Prepared: 03/29/24 Analyzed: 03/29/24

Chloride

ND

2.00

LCS (2413127-BS1)

Prepared: 03/29/24 Analyzed: 03/29/24

Chloride

24.5

2.00

25.0

97.8

90-110

LCS Dup (2413127-BSD1)

Prepared: 03/29/24 Analyzed: 03/29/24

Chloride

24.6

2.00

25.0

98.5

90-110

0.678

30

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

Llano Disposal LLC	Project Name:	U Bar Brine Station	Reported: 04/04/24 16:14
PO Box 250	Project Number:	22117-0001	
Lovington NM, 88260	Project Manager:	Elizabeth Pickrel	

H5 pH is specified to be performed in the field within 15 minutes of sampling. The sample analysis was performed as quickly as possible.

M4 Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable.

ND Analyte NOT DETECTED at or above the reporting limit.

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Annual Report

Llano Disposal, LLC BW35 API 30-025-30701

2024

Project Information

Chain of Custody

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Annual Report

Llano Disposal, LLC BW35 API 30-025-30701

2024

Envirotech Analytical Laboratory

Printed: 4/3/2024 1:01:16PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Llano Disposal LLC	Date Received:	03/29/24 07:15	Work Order ID:	E403287
Phone:	575-605-6490	Date Logged In:	03/29/24 10:37	Logged In By:	Angelina Pineda
Email:	service.llanobrine@gmail.com	Due Date:	04/04/24 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Carrier: Courier

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C
Note: Thermal preservation is not required, if samples are received w/ 15 minutes of sampling

13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

20. Were field sample labels filled out with the minimum information:
Sample ID? Yes
Date/Time Collected? Yes
Collectors name? Yes

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA

Client InstructionComments/Resolution

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Elizabeth Pickerel



5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Llano Disposal LLC

Project Name: U Bar Brine Station

Work Order: E406270

Job Number: 22117-0001

Received: 7/1/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
7/9/24

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc. attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc. holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc. holds the Texas TNI certification T104704557 for data reported.

Annual Report

Llano Disposal, LLC BW35 API 30-025-30701

2024

Date Reported: 7/9/24

Elizabeth Pickerel
PO Box 250
Lovington, NM 88260



Project Name: U Bar Brine Station
Workorder: E406270
Date Received: 7/1/2024 10:30:00AM

Elizabeth Pickerel,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/1/2024 10:30:00AM, under the Project Name: U Bar Brine Station.

The analytical test results summarized in this report with the Project Name: U Bar Brine Station apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman

Laboratory Director
Office: 505-632-1881
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whinchman@envirotech-inc.com

Raina Schwanz

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Sample Summary

Llano Disposal LLC	Project Name:	U Bar Brine Station	Reported: 07/09/24 16:12
PO Box 250	Project Number:	22117-0001	
Lovington NM, 88260	Project Manager:	Elizabeth Pickrel	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
Brine Well	E406270-01A	Aqueous	06/28/24	07/01/24	Poly 500mL
Fresh Well	E406270-02A	Aqueous	06/28/24	07/01/24	Poly 500mL
Monitor Well	E406270-03A	Aqueous	06/28/24	07/01/24	Poly 500ml



Annual Report

Llano Disposal, LLC BW35 API 30-025-30701

2024

Sample Data

Llano Disposal LLC	Project Name:	U Bar Brine Station	Reported:
PO Box 250	Project Number:	22117-0001	7/9/2024 4:12:37PM
Lovington NM, 88260	Project Manager:	Elizabeth Pickrel	

Brine Well

E406270-01

Analyte	Result	Reporting Unit	Dilution	Prepared	Analyzed	Notes
Wet Chem/Gravimetric by SM2540C	mg/L	mg/L		Analyst: RAS		Batch: 2427018
Total Dissolved Solids	289000	10.0	1	07/01/24	07/08/24	
Wet Chemistry by 9040C/4500H+B	pH Units	pH Units		Analyst: WE		Batch: 2427025
pH @25°C	6.93		1	07/02/24 08:21	07/02/24 11:19	015
Wet Chemistry by SM2710F**	N/A	N/A		Analyst: KH		Batch: 2427017
Specific Gravity	1.182		1	07/01/24	07/01/24	
Total Metals by EPA 6010C	mg/L	mg/L		Analyst: JL		Batch: 2427046
Sodium	117000	2000	1000	07/03/24	07/09/24	
Anions by EPA 300.0/9056A	mg/L	mg/L		Analyst: DT		Batch: 2427020
Chloride	201000	4000	2000	07/01/24	07/02/24	



Annual Report

Llano Disposal, LLC BW35 API 30-025-30701

2024

Sample Data

Llano Disposal LLC	Project Name:	U Bar Brine Station	Reported:
PO Box 250	Project Number:	22117-0001	7/9/2024 4:12:37PM
Lovington NM, 88260	Project Manager:	Elizabeth Pickerel	

Fresh Well

E406270-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Wet Chem/Gravimetric by SM2540C						
Total Dissolved Solids	492	10.0	1	07/01/24	07/08/24	Batch: 2427018
Wet Chemistry by 9040C/4500H+B						
pH @25°C	7.79	pH Units	1	07/02/24 08:21	07/02/24 11:19	Batch: 2427025
Wet Chemistry by SM2710F**						
Specific Gravity	0.995	N/A	1	07/01/24	07/01/24	Batch: 2427017
Anions by EPA 300.0/9056A						
Chloride	90.8	mg/L	1	07/01/24	07/02/24	Batch: 2427020



Annual Report

Llano Disposal, LLC BW35 API 30-025-30701

2024

Sample Data

Llano Disposal LLC	Project Name:	U Bar Brine Station	Reported:
PO Box 250	Project Number:	22117-0001	
Lovington NM, 88260	Project Manager:	Elizabeth Pickerel	7/9/2024 4:12:37PM

Monitor Well

E406270-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Wet Chem/Gravimetric by SM2540C						
Total Dissolved Solids	494	10.0	1	07/01/24	07/08/24	Batch: 2427018
Wet Chemistry by 9040C/4500H+B						
pH @25°C	7.86	pH Units	1	07/02/24 08:21	07/02/24 11:19	Batch: 2427025
Wet Chemistry by SM2710F**						
Specific Gravity	0.996	N/A	1	07/01/24	07/01/24	Batch: 2427017
Anions by EPA 300.0/9056A						
Chloride	90.5	mg/l	1	07/01/24	07/02/24	Batch: 2427020



Annual Report

Llano Disposal, LLC BW35 API 30-025-30701

2024

QC Summary Data

Llano Disposal LLC	Project Name:	U Bar Brine Station	Reported:
PQ Box 250	Project Number:	22117-0001	
Lovington NM, 88260	Project Manager:	Elizabeth Pickere1	7/9/2024 4:12:37PM

Wet Chem/Gravimetric by SM2540C

Analyst: RAS

Analyte	Result	Reporting	Spike	Source	Rec	Rec	RPD	RPD	Notes
	mg/L	Limit	Level	Result	%	Limits	%	Limit	

Blank (2427018-BLK1)

Prepared: 07/01/24 Analyzed: 07/08/24

Total Dissolved Solids

ND

10.0

LCS (2427018-BS1)

Prepared: 07/01/24 Analyzed: 07/08/24

Total Dissolved Solids

94.0

10.0

100

94.0

55-134

Duplicate (2427018-DUP1)

Source: E406270-03

Prepared: 07/01/24 Analyzed: 07/08/24

Total Dissolved Solids

477

10.0

494

3.50

5



QC Summary Data

Llano Disposal LLC	Project Name:	U Bar Brine Station	Reported:
PQ Box 250	Project Number:	22117-0001	
Lovington NM, 88260	Project Manager:	Elizabeth Pickere1	7/9/2024 4:12:37PM

Wet Chemistry by 9040C/4500H+B

Analyst: WF

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	pH Units	pH Units	pH Units	pH Units	%	%	%	%	

LCS (2427025-BS1)

Prepared: 07/02/24 Analyzed: 07/02/24

pH 7.95 8.00 99.7 98.75-101.25

Duplicate (2427025-DUP1)

Source: E406269-01

Prepared: 07/02/24 Analyzed: 07/02/24

pH 6.52 6.48 6.538 20 IIS

Annual Report

Llano Disposal, LLC BW35 API 30-025-30701

2024

QC Summary Data

Llano Disposal LLC	Project Name:	U Bar Brine Station	Reported:
PQ Box 250	Project Number:	22117-0001	
Lovington NM, 88260	Project Manager:	Elizabeth Pickere1	7/9/2024 4:12:37PM

Total Metals by EPA 6010C

Analyst: JL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/L	mg/L	mg/L	mg/L	%	%	%	%	

Blank (2427046-BLK1)

Prepared: 07/03/24 Analyzed: 07/08/24

Sodium

ND

2.00

LCS (2427046-BS1)

Prepared: 07/03/24 Analyzed: 07/08/24

Sodium

21.2

2.00

20.0

106

80-120

LCS Dup (2427046-BSD1)

Prepared: 07/03/24 Analyzed: 07/08/24

Sodium

20.5

2.00

20.0

103

80-120

3.17

20



Annual Report

Llano Disposal, LLC BW35 API 30-025-30701

2024

QC Summary Data

Llano Disposal LLC	Project Name:	U Bar Brine Station	Reported:
PQ Box 250	Project Number:	22117-0001	
Lovington NM, 88260	Project Manager:	Elizabeth Pickrel	7/9/2024 4:12:37PM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result mg/L	Reporting Limit mg/L	Spike Level mg/L	Source Result mg/L	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2427020-BLK1)									
Chloride	ND	2.00							Prepared: 07/01/24 Analyzed: 07/02/24
LCS (2427020-BS1)									
Chloride	25.3	2.00	25.0		101	90-110			Prepared: 07/01/24 Analyzed: 07/02/24
LCS Dup (2427020-BSD1)									
Chloride	25.3	2.00	25.0		101	90-110	0.0613	20	

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

Llano Disposal LLC	Project Name:	U Bar Brine Station	
P.O. Box 250	Project Number:	22117-0001	Reported:
Lovington NM, 88260	Project Manager:	Elizabeth Pickercel	07/09/24 16:12

H5 pH is specified to be performed in the field within 15 minutes of sampling. The sample analysis was performed as quickly as possible.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Annual Report

Llano Disposal, LLC BW35 API 30-025-30701

2024

Project Information

Chain of Custody

Page 1 of 1

[illegible]

Page 13 of 14

Annual Report

Llano Disposal, LLC BW35 API 30-025-30701

2024

Envirotech Analytical Laboratory

Printed: 7/1/2024 11:29:31AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Llano Disposal LLC	Date Received:	07/01/24 10:30	Work Order ID:	E406270
Phone:	575-605-6490	Date Logged In:	06/28/24 17:01	Logged In By:	Alexa Michaels
Email:	service.llanobrinc@gmail.com	Due Date:	07/09/24 17:00 (4 day TAT)		

Chain of Custody (COC)

- | | | |
|---|-----|-------------------------|
| 1. Does the sample ID match the COC? | Yes | |
| 2. Does the number of samples per sampling site location match the COC? | Yes | |
| 3. Were samples dropped off by client or carrier? | Yes | Carrier: <u>Courier</u> |
| 4. Was the COC complete, i.e., signatures, dates/times, requested analyses? | No | |
| 5. Were all samples received within holding time? | Yes | |
- Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Sample Turn Around Time (TAT)

- | | |
|---|-----|
| 6. Did the COC indicate standard TAT, or Expedited TAT? | Yes |
|---|-----|

Sample Cooler

- | | |
|--|-----|
| 7. Was a sample cooler received? | Yes |
| 8. If yes, was cooler received in good condition? | Yes |
| 9. Was the sample(s) received intact, i.e., not broken? | Yes |
| 10. Were custody/security seals present? | No |
| 11. If yes, were custody/security seals intact? | NA |
| 12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C | Yes |

Note: Thermal preservation is not required, if samples are received w/in 15 minutes of sampling

- | |
|---|
| 13. If no visible ice, record the temperature. Actual sample temperature: 4°C |
|---|

Sample Container

- | | |
|--|-----|
| 14. Are aqueous VOC samples present? | No |
| 15. Are VOC samples collected in VOA Vials? | NA |
| 16. Is the head space less than 6-8 mm (pea sized or less)? | NA |
| 17. Was a trip blank (TB) included for VOC analyses? | NA |
| 18. Are non-VOC samples collected in the correct containers? | Yes |
| 19. Is the appropriate volume/weight or number of sample containers collected? | Yes |

Field Label

- | | |
|---|-----|
| 20. Were field sample labels filled out with the minimum information: | |
| Sample ID? | Yes |
| Date/Time Collected? | No |
| Collectors name? | No |

Sample Preservation

- | | |
|---|----|
| 21. Does the COC or field labels indicate the samples were preserved? | No |
| 22. Are sample(s) correctly preserved? | NA |
| 24. Is lab filtration required and/or requested for dissolved metals? | No |

Multiphase Sample Matrix

- | | |
|--|----|
| 26. Does the sample have more than one phase, i.e., multiphase? | No |
| 27. If yes, does the COC specify which phase(s) is to be analyzed? | NA |

Subcontract Laboratory

- | | |
|---|------------------------|
| 28. Are samples required to get sent to a subcontract laboratory? | No |
| 29. Was a subcontract laboratory specified by the client and if so who? | NA Subcontract Lab: NA |

Client InstructionComments/Resolution

Aqueous Matrix and No. of containers is missing on the COC and received with visible white out on date sampled by client.

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Elizabeth Pickerel



5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Llano Disposal LLC

Project Name: U Bar Brine Station

Work Order: E409275

Job Number: 22117-0001

Received: 9/30/2024

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
10/7/24

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc. attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc. holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc. holds the Texas TNI certification T104704557 for data reported.

Annual Report

Llano Disposal, LLC BW35 API 30-025-30701

2024

Date Reported: 10/7/24

Elizabeth Pickerel
PO Box 250
Lovington, NM 88260



Project Name: U Bar Brine Station
Workorder: E409275
Date Received: 9/30/2024 8:00:00AM

Elizabeth Pickerel,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/30/2024 8:00:00AM, under the Project Name: U Bar Brine Station.

The analytical test results summarized in this report with the Project Name: U Bar Brine Station apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
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Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljjarboe@envirotech-inc.com

Michelle Gonzales
Client Representative
Office: 505-421-LABS(5227)
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Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Llano Disposal LLC	Project Name:	U Bar Brine Station	Reported: 10/07/24 16:48
PO Box 250	Project Number:	22117-0001	
Lovington NM, 88260	Project Manager:	Elizabeth Pickrel	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
Brine Well	E409275-01A	Aqueous	09/27/24	09/30/24	Poly 500mL
Fresh Well	E409275-02A	Aqueous	09/27/24	09/30/24	Poly 500mL
Monitor Well	E409275-03A	Aqueous	09/27/24	09/30/24	Poly 500ml

Annual Report

Llano Disposal, LLC BW35 API 30-025-30701

2024

Sample Data

Llano Disposal LLC	Project Name:	U Bar Brine Station	Reported:
PO Box 250	Project Number:	22117-0001	10/7/2024 4:48:11PM
Lovington NM, 88260	Project Manager:	Elizabeth Pickrel	

Brine Well

E409275-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Wet Chem/Gravimetric by SM2540C	mg/L	mg/L		Analyst: RAS		Batch: 2440083
Total Dissolved Solids	293000	10.0	1	10/03/24	10/07/24	
Wet Chemistry by 9040C/4500H+B	pH Units	pH Units		Analyst: JM		Batch: 2440015
pH @25°C	7.54		1	09/30/24 09:43	09/30/24 11:59	015
Wet Chemistry by SM2710F**	N/A	N/A		Analyst: KH		Batch: 2441001
Specific Gravity	1.196		1	10/07/24	10/07/24	
Total Metals by EPA 6010C	mg/L	mg/L		Analyst: LS		Batch: 2440034
Sodium	135000	2000	1000	10/01/24	10/01/24	
Anions by EPA 300.0/9056A	mg/L	mg/L		Analyst: DT		Batch: 2440021
Chloride	197000	2000	1000	09/30/24	09/30/24	



Sample Data

Llano Disposal LLC	Project Name:	U Bar Brine Station	Reported:
PO Box 250	Project Number:	22117-0001	10/7/2024 4:48:11PM
Lovington NM, 88260	Project Manager:	Elizabeth Pickerel	

Fresh Well

E409275-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Wet Chem/Gravimetric by SM2540C						
Total Dissolved Solids	523	10.0	1	10/03/24	10/07/24	Batch: 2440083
Wet Chemistry by 9040C/4500H+B						
pH @25°C	7.97	pH Units	1	09/30/24 09:43	09/30/24 11:59	Batch: 2440015
Wet Chemistry by SM2710F**						
Specific Gravity	0.993	N/A	1	10/07/24	10/07/24	Batch: 2441001
Anions by EPA 300.0/9056A						
Chloride	89.4	mg/l	1	09/30/24	10/01/24	Batch: 2440021



Annual Report

Llano Disposal, LLC BW35 API 30-025-30701

2024

Sample Data

Llano Disposal LLC	Project Name:	U Bar Brine Station	Reported:
PO Box 250	Project Number:	22117-0001	10/7/2024 4:48:11PM
Lovington NM, 88260	Project Manager:	Elizabeth Pickerel	

Monitor Well

E409275-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Wet Chem/Gravimetric by SM2540C	mg/L	mg/L	Analyst: RAS			Batch: 2440083
Total Dissolved Solids	522	10.0	1	10/03/24	10/07/24	
Wet Chemistry by 9040C/4500H+B	pH Units	pH Units	Analyst: JM			Batch: 2440015
pH @25°C	7.82		1	09/30/24 09:43	09/30/24 11:59	115
Wet Chemistry by SM2710F**	N/A	N/A	Analyst: KH			Batch: 2441001
Specific Gravity	0.992		1	10/07/24	10/07/24	
Anions by EPA 300.0/9056A	mg/L	mg/L	Analyst: DT			Batch: 2440021
Chloride	89.6	2.00	1	09/30/24	09/30/24	



Annual Report

Llano Disposal, LLC BW35 API 30-025-30701

2024

QC Summary Data

Llano Disposal LLC	Project Name:	U Bar Brine Station	Reported:
PQ Box 250	Project Number:	22117-0001	
Lovington NM, 88260	Project Manager:	Elizabeth Pickrel	10/7/2024 4:48:11PM

Wet Chem/Gravimetric by SM2540C

Analyst: RAS

Analyte	Result mg/L	Reporting Limit mg/L	Spike Level mg/L	Source Result mg/L	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2440083-BLK1)									
Total Dissolved Solids	ND	10.0							Prepared: 10/03/24 Analyzed: 10/07/24
LCS (2440083-BS1)									
Total Dissolved Solids	105	10.0	100		105	55-134			Prepared: 10/03/24 Analyzed: 10/07/24
LCS Dup (2440083-BSD1)									
Total Dissolved Solids	105	10.0	100		105	55-134	0.00	5	Prepared: 10/03/24 Analyzed: 10/07/24



QC Summary Data

Llano Disposal LLC	Project Name:	U Bar Brine Station	Reported:
PO Box 250	Project Number:	22117-0001	
Lovington NM, 88260	Project Manager:	Elizabeth Pickere1	10/7/2024 4:48:11PM

Wet Chemistry by 9040C/4500H+B

Analyst: JM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	pH Units	pH Units	pH Units	pH Units	%	%	%	%	

LCS (2440015-BS1)

Prepared: 09/30/24 Analyzed: 09/30/24

pH 8.01 8.00 100 98.75-101.25

Duplicate (2440015-DUP1)

Source: E409273-02

Prepared: 09/30/24 Analyzed: 09/30/24

pH 7.85 7.85 0.00 20

Annual Report

Llano Disposal, LLC BW35 API 30-025-30701

2024

QC Summary Data

Llano Disposal LLC	Project Name:	U Bar Brine Station	Reported:
PO Box 250	Project Number:	22117-0001	
Lovington NM, 88260	Project Manager:	Elizabeth Pickere1	10/7/2024 4:48:11PM

Total Metals by EPA 6010C

Analyst: LS

Analyte	Result	Reporting	Spike	Source	Rec	Rce	RPD	RPD	Notes
	mg/L	Limit	Level	Result	%	Limits	%	Limit	
		mg/L	mg/L	mg/L		%		%	

Blank (2440034-BLK1)

Prepared: 10/01/24 Analyzed: 10/01/24

Sodium

ND

2.00

LCS (2440034-BS1)

Prepared: 10/01/24 Analyzed: 10/01/24

Sodium

20.3

2.00

20.0

101

80-120

Matrix Spike (2440034-MS1)

Source: E410001-01

Prepared: 10/01/24 Analyzed: 10/01/24

Sodium

77.3

2.00

20.0

53.4

120

75-125

Matrix Spike Dup (2440034-MSD1)

Source: E410001-01

Prepared: 10/01/24 Analyzed: 10/01/24

Sodium

71.7

2.00

20.0

53.4

91.5

75-125

7.55

20



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QC Summary Data

Llano Disposal LLC	Project Name:	U Bar Brine Station	Reported:
PQ Box 250	Project Number:	22117-0001	
Lovington NM, 88260	Project Manager:	Elizabeth Pickere1	10/7/2024 4:48:11PM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result mg/L	Reporting Limit mg/L	Spike Level mg/L	Source Result mg/L	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2440021-BLK1)									
Chloride	ND	2.00							Prepared: 09/30/24 Analyzed: 09/30/24
LCS (2440021-BS1)									
Chloride	25.3	2.00	25.0		101	90-110			Prepared: 09/30/24 Analyzed: 09/30/24
Matrix Spike (2440021-MS1)									
Chloride	65.0	2.00	25.0	42.2	91.3	80-120			Source: E409273-03 Prepared: 09/30/24 Analyzed: 10/01/24
Matrix Spike Dup (2440021-MSD1)									
Chloride	65.2	2.00	25.0	42.2	92.1	80-120	0.296	20	Source: E409273-03 Prepared: 09/30/24 Analyzed: 10/01/24

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

Llano Disposal LLC	Project Name:	U Bar Brine Station	
PO Box 250	Project Number:	22117-0001	Reported:
Lovington NM, 88260	Project Manager:	Elizabeth Pickercel	10/07/24 16:48

H5 pH is specified to be performed in the field within 15 minutes of sampling. The sample analysis was performed as quickly as possible.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as-received" weight basis, unless reported otherwise.

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Project Information

Chain of Custody

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[illegible]

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Envirotech Analytical Laboratory

Printed: 9/30/2024 10:11:34AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Llano Disposal LLC	Date Received:	09/30/24 08:00	Work Order ID:	E409275
Phone:	575-605-6490	Date Logged In:	09/27/24 16:16	Logged In By:	Caitlin Mars
Email:	service.llanobrinc@gmail.com	Due Date:	10/04/24 17:00 (4 day TAT)		

Chain of Custody (COC)

- | | | |
|--|-----|-------------------------|
| 1. Does the sample ID match the COC? | Yes | |
| 2. Does the number of samples per sampling site location match the COC | Yes | |
| 3. Were samples dropped off by client or carrier? | Yes | Carrier: <u>Courier</u> |
| 4. Was the COC complete, i.e., signatures, dates/times, requested analyses? | No | |
| 5. Were all samples received within holding time? | Yes | |
| Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion. | | |

Sample Turn Around Time (TAT)

- | | |
|---|-----|
| 6. Did the COC indicate standard TAT, or Expedited TAT? | Yes |
|---|-----|

Sample Cooler

- | | |
|--|-----|
| 7. Was a sample cooler received? | Yes |
| 8. If yes, was cooler received in good condition? | Yes |
| 9. Was the sample(s) received intact, i.e., not broken? | Yes |
| 10. Were custody/security seals present? | No |
| 11. If yes, were custody/security seals intact? | NA |
| 12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C | Yes |
| Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling | |

- | | |
|---|-----|
| 13. If no visible ice, record the temperature. Actual sample temperature: | 4°C |
|---|-----|

Sample Container

- | | |
|--|-----|
| 14. Are aqueous VOC samples present? | No |
| 15. Are VOC samples collected in VOA Vials? | NA |
| 16. Is the head space less than 6-8 mm (pea sized or less)? | NA |
| 17. Was a trip blank (TB) included for VOC analyses? | NA |
| 18. Are non-VOC samples collected in the correct containers? | Yes |
| 19. Is the appropriate volume/weight or number of sample containers collected? | Yes |

Field Label

- | | |
|---|-----|
| 20. Were field sample labels filled out with the minimum information: | |
| Sample ID? | Yes |
| Date/Time Collected? | Yes |
| Collectors name? | No |

Sample Preservation

- | | |
|---|----|
| 21. Does the COC or field labels indicate the samples were preserved? | No |
| 22. Are sample(s) correctly preserved? | NA |
| 24. Is lab filtration required and/or requested for dissolved metals? | No |

Multiphase Sample Matrix

- | | |
|--|----|
| 26. Does the sample have more than one phase, i.e., multiphase? | No |
| 27. If yes, does the COC specify which phase(s) is to be analyzed? | NA |

Subcontract Laboratory

- | | |
|---|------------------------|
| 28. Are samples required to get sent to a subcontract laboratory? | No |
| 29. Was a subcontract laboratory specified by the client and if so who? | NA Subcontract Lab: NA |

Client InstructionComments/Resolution

Matrix and No of containers not provided on COC per client. Sample #1 not preserved for Sodium.

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

APPENDIX G

Certification

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Llano Disposal, LLC certifies 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 provided herein.

Darr Angell
Name

Owner/Permittee Holder
Title

Darr Angell
Signature

3/6/26
Date

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

Action 560718

COMMENTS

Operator: LLANO DISPOSAL, L.L.C. P.O. Box 250 Lovington, NM 88260	OGRID: 370661
	Action Number: 560718
	Action Type: [UF-DP] NOI Discharge Permit (DISCHARGE PERMIT NOI)

COMMENTS

Created By	Comment	Comment Date
cchavez	1. Recommend including permit as an appendix in report. 2. Well diagram should display cement plug depths. 3. Pg. 18 height of cone or cavern height "h" is 1,210 Ft. (cement plug depth minus casing shoe depth); Pg. 4 cumul vol. brine produced was 2,324,115 bbls. converted to 13,049,906 Ft.3; r (cavern radius) = 102 Ft. & D/H (depth to casing shoe) ~ 204 Ft./2,043 Ft.~ 0.0999; 4. Pg. 17 Right Circular Cone Formulas is: $r = \sqrt{3V/3.14h}$ where V is cumul. vol. brine & h is cavern height. 5. Permit Condition 3.C requires a continuous monitor device to track injection pressure, flow rate, flow volume, and pressure on the annulus between the tubing and the long string of casing w pressure data added to table on Pg. 4.	8/20/2026

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CONDITIONS

Action 560718

CONDITIONS

Operator: LLANO DISPOSAL, L.L.C. P.O. Box 250 Lovington, NM 88260	OGRID: 370661
	Action Number: 560718
	Action Type: [UF-DP] NOI Discharge Permit (DISCHARGE PERMIT NOI)

CONDITIONS

Created By	Condition	Condition Date
cchavez	1. Permittee shall install a continuous monitoring device as required under permit condition 3.C on a scheduled approved by OCD. 2. Permittee shall adjust cavern characterization calculation with variable values similar to OCD. 3. Update well diagram to include cement plug depths.	8/20/2026