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**Western Refining Southwest LLC**

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May 27, 2025

Carl Chavez  
New Mexico Oil Conservation Division  
Engineering Bureau  
5200 Oakland Avenue, NE  
Albuquerque, NM 87113

*Electronic Submittal Action ID 463509 (Form UF-DP - OCD Online ePermitting website)*

RE: Western Refining Southwest LLC - Bloomfield Terminal  
2022 Annual Class I Waste Disposal Well (WDW-2) Report  
Permit # - UICI-011  
API # - 30- 45-35747

Mr. Chavez,

Pursuant to Permit Condition 2.1.2. of the above referenced UICI Discharge Permit, Western Refining Southwest LLC – Bloomfield Terminal is submitting the Annual Class I Well Report documenting the operations of the facility's Class I non-hazardous injection well during calendar year 2024.

If you need more information, please contact me at [gfrussell@marathonpetroleum.com](mailto:gfrussell@marathonpetroleum.com) or 678-594-6377.

Sincerely,



Gary Russell, CHMM  
Senior Environmental Specialist  
Western Refining Southwest LLC

CC: Environmental Manual

**ANNUAL CLASS I NON-HAZARDOUS WASTE  
DISPOSAL WELL (WDW-2)  
2024 ANNUAL REPORT**

**Western Refining Southwest LLC**

**Annual Class I Non-Hazardous  
Waste Disposal Well No. 2 (WDW-2)**

Permit UICI-11  
API # - 30-45-35747  
Bloomfield Terminal  
Bloomfield, New Mexico

**Period of Report: January-December 2024  
Date of Report: May 27, 2025**

Submitted By:  
Gary Russell, Sr. Environmental Specialist



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## EXECUTIVE SUMMARY

This report provides a summary of activities conducted in 2024 associated with the Non-Hazardous Waste Disposal Injection Well (WDW-2) Permit #UICI-011 at the Western Refining Southwest LLC - Bloomfield Terminal (Facility). The following summarizes well operations, maintenance, and testing activities performed in 2024, and includes the applicable items found in permit condition 2.I.2 Annual Report.

### Operational Summary

**Injection Volume** - The volume injected into WDW-2 during 2024 was 19,944 barrels. Since the commissioning of the well on March 8, 2017, approximately 216,419 barrels have been disposed of via WDW-2. The well was not actively injecting waste (i.e., not operating) for approximately 8219 hours, which is equivalent to approximately 342.5 days. Table A provides a summary of the operation of WDW-2 during calendar year 2024, and includes the cumulative total barrels injected since the well was installed. Attachment A provides the monthly continuous operational data logs for monitoring of the injection pressure, annulus pressure, and injection rate during calendar year 2024.

**Sampling and Chemical Analyses** - Injection fluids samples were collected on a quarterly basis for chemical analysis pursuant to Permit Condition 2.A. Analytical results show that the wastewaters injected through the on-site injection well do not exhibit characteristics of being a RCRA hazardous waste. A summary of the analytical results is provided in Table B. A copy of the analytical laboratory reports, including the Quality Assurance / Quality Control (QA/QC) results are provided in Attachment B. Results from the 2024 Groundwater Remediation and Monitoring Annual Report are included in Tables 1 to 11F for reference. The chloride and sulfate monitoring analytical results including the QA/QC results from the upstream and downstream monitoring wells is provided in Attachment B. Table C includes a summary of the monitoring well analytical results and Attachment B.1 contains Chloride and Sulfate Isocontours Maps.

**Bradenhead Test** – A Bradenhead Test was conducted in May of 2024. A representative from New Mexico Oil Conservation Division (OCD) was present to observe during the tests. Pressures remained constant and within acceptable ranges for the duration of the

testing. A copy of the Bradenhead Test Report is provided in Attachment C.

**Area of Review** – An Area of Review (AOR) report within a 1-mile radius WDW-2. The results of this review are provided in Attachment D of this report.

**Pressure Fall-Off Test and Bottom-Hole Survey** – A pressure fall-off test (FOT) analysis and bottom-hole pressure survey were not performed in 2024 as per instruction from OCD. OCD has instructed the Facility to stop any FOT at this time as we continue to work with OCD to better understand the well pressure up issues and implications for future FOTs.

The Facility did, however, commission the engineering company Strata, LLC to perform an assessment of the Entrada Sandstone injection reservoir to assist in understanding the Entrada Reservoir and assess the injection performance of WDW-2 to determine if the pressure transient testing and analyses are accurately characterizing the reservoir parameters. A copy of the assessment was emailed to OCD on September 11, 2024, a summary is included in Section 3.4 of this report, and the full assessment report is included in Attachment F.

According to the assessment, while WDW-2 is inactive, the shut-in surface pressure declines towards the original reservoir pressure, indicating the reservoir is infinite-acting with no apparent boundary conditions that could cause the reservoir to over-pressure due to injection. Based on the data reviewed and analyzed, the results of the annual fall-off tests have adequately characterized the reservoir properties of the Entrada Sandstone in WDW-2. The behavior of the reservoir can be predicted, and it can be operated below the fracture closure pressure of the formation with no concern for over-pressuring the reservoir.

## 1.0 INTRODUCTION

This report provides a summary of activities conducted during 2024 on WDW-2. The disposal well is part of the Facility operations. The facility is located south of Bloomfield, New Mexico in San Juan County. The physical address of the facility is as follows:

**Western Refining Southwest - Bloomfield Terminal**

#50 County Road 4990  
Bloomfield, NM 87413

The Facility is located on approximately 263 acres. Bordering the facility is a combination of federal and private properties. Public property managed by the Bureau of Land Management lies to the south. Most of the undeveloped land in the vicinity of the facility is used extensively for oil and gas production and, in some instances, grazing. U.S. Highway 550 is located approximately one-half mile west of the facility. The topography of the main portion of the site is generally flat with steep bluffs to the north. Figure 1 shows the general layout of the Terminal.

### 1.1 Well Information

Well Name & Number:	Waste Disposal Well #2 (WDW-2)
OCD UIC:	UICI-011
Well Classification:	Class I Non-hazardous
API Number:	30-045-35747
facility ID (f#)	fCJC2115255112
Legal Location:	2028 FNL, 111 FEL, H S27 T29N R11W
Physical Address:	#50 Road 4990, Bloomfield, NM 87413

## **2.0 OPERATION AND MAINTENANCE ACTIVITIES**

### **2.1 WDW-2 Operations**

The non-hazardous injection well Facility is used to dispose of treated wastewaters generated from Terminal operations. Typically, treated wastewater from the on-site Wastewater Treatment Plant (WWTP) is pumped from the WWTP aeration ponds to the on-site evaporation ponds, located south of County Road 4990. Treated wastewater that is not evaporated at the evaporation ponds can be routed to the injection well for final disposal. Figure 2 shows a schematic diagram of the well construction.

The volume injected into WDW-2 during 2024 was 19,944 barrels. Since the commissioning of the well on March 8, 2017, approximately 236,419 barrels have been injected as of the end of 2024. The well was not actively injecting waste (i.e., not operating) for approximately 8219 hours, which is equivalent to approximately 359 days. Table A provides a summary of the operation of WDW-2 during calendar year 2024, and includes the cumulative total barrels injected since the well was installed. Attachment A provides the monthly continuous operational data logs for monitoring of the injection pressure, annulus pressure, and injection rate during calendar year 2024. Injection volumes and average injection pressure readings in 2024 were reported via the NMOCD e-Permitting website monthly using the C-115 excel add in and were reported in the quarterly reports each quarter. Operation of the injection well did not exceed the permitted injection pressure limit of 1,465 psi, and no abnormal operating conditions were observed. Attachment A provides the monthly continuous operational data logs for monitoring of the injection pressure, annulus pressure, and injection rate during calendar year 2024.

### **2.2 Quarterly Sampling and Chemical Analysis**

In 2024 quarterly samples were collected of water injected through WDW-2. The samples were analyzed for the following pursuant to Permit Condition 2.A. of UICI-011 dated August 30, 2021:

- pH;
- Oxidation Reduction Potential;

- Specific Conductance;
- Specific gravity;
- Temperature;
- Major dissolved cations and anions; and
- EPA RCRA characteristically hazardous constituents.

The 2024 quarterly samples were collected on January 23, April 17, September 11, and December 4, in accordance with permit Condition 2.A. Notifications were made to OCD prior to the sampling events pursuant to Condition 3.D.1. A summary of the analytical results is provided in Table B, and copies of the analytical reports with QA/QC are provided in Attachment B.

All quarterly WDW-2 samples collected for laboratory analysis were submitted to Hall Environmental Analysis Laboratory (Eurofins Environment Testing) located in Albuquerque, NM (ADHS Certification #AZ0682, NMED-DWB Certification #NM9425, NMED-Micro Certification #NM0901). The analytical results show that the injected water did not exhibit any characteristics of toxicity using the EPA Toxicity Characteristic Leaching Procedure test methods. The analytical results were compared to the respective Water Quality Control Commission (WQCC) limits. In compliance with a request from OCD, additional monitoring well points upgradient and downgradient were added to the quarterly chloride and sulfate monitoring, and to the groundwater elevation monitoring. Chloride and Total Dissolved Solids (TDS) were detected above the respective WQCC standards in the January and April sampling events in 2024.

Attachment B.1 includes the iso-contour maps submitted in the quarterly reports in 2024.

- The WQCC screening level for Chloride is to apply to the dissolved phase result, and therefore the comparison is bias high. Attachment B.1 displays maps with isocontours of Chloride and Sulfate concentrations overlaid with groundwater elevations from the upstream and downstream monitoring wells around WDW-2.
- The 1000 mg/L screening level is irrelevant as it applies to a domestic water supply, and the Entrada Formation is a brackish aquifer with TDS concentrations exceeding 10,000 mg/L. Additionally, the TDS standard identified in the permit application was 10,000 mg/L.
- The flash point detected in the January 2024 wastewater sample from WDW #2

was found to be 134°F, which is below the Resource Conservation & Recovery Act (RCRA) limit of 140°F pursuant to 40 CFR 261.21. However, Bloomfield Products Terminal believes this data point is an anomaly, is not representative of the wastewater that is injected in WDW #2, and that the laboratory may have reported this result in error. Attachment G describes the support for this position, and the additional temporary monitoring that was implemented and was included in the applicable Quarterly report in 2024. The 12-month average of the flash point at that time was 161°F (above the RCRA limit). Multiple additional flash point measurements were collected between April and July after this result as depicted in the following table, all of which were well over the 140°F limit.

**Additional Flash Point Analyses**

		Toxicity Characteristics (40 CFR261.24)	2023 6/7	2023 9/6	2023 10/10	2024 4/3	2024 5/22	2024 6/19	2024 7/17
D001	Additional Tests - Ignitability (°F)	< 140° F	>170° F	>170° F	>170° F	>180° F	>180° F	>180° F	>180° F

Analytical results from the 2024 Groundwater Remediation and Monitoring Annual Report are included in Tables 1 through 11F along with historical groundwater analytical values from previous groundwater reports for reference.

**2.3 Groundwater Elevations**

Depth-to-groundwater measurements were collected during 2024 and have been collected at the facility for many years at various monitoring wells at the Facility. In response to a request from OCD, additional monitoring well points upgradient and downgradient were added to the quarterly measurements. The current field information was used to calculate the groundwater elevations and hydraulic gradient. The consistent groundwater elevation gradient across the Facility indicates that WDW #2 operations has not had an impact on the groundwater elevations or hydraulic gradient, which has consistently been in a northwest direction. The groundwater elevation measurement maps depicted in Attachment B.1 and Table D display the recent history of groundwater elevation monitoring and demonstrates the lack of variability in elevations between monitoring events and over time.

## **2.4 Well Maintenance Activities**

No major mechanical maintenance work was performed in 2024. General routine preventative maintenance was performed on the injection well system equipment. No issues were observed during routine maintenance activities conducted.



## **3.0 WDW-2 EVALUATION & MAJOR ACTIVITIES/EVENTS**

### **3.1 Bradenhead Test**

A Bradenhead Test was conducted in 2024 on May 2. A representative from NMOCD was present to observe during the test. The well pressures remained constant, and pressures remained within acceptable ranges for the duration of the testing. A copy of the test report is included in Attachment C.

Water and gas were observed from the casing in the first 5 minutes as noted on the Bradenhead Test Report, and the OCD representative requested samples be collected for additional analysis on both the water and gas. The results of the analysis are also included in Attachment C.

### **3.1 Area of Review**

An Area of Review (AOR) search was performed that shows all wells known to have been drilled within a one-mile radius of WDW-2 and any changes from previous year's AORs. This is provided as Attachment D.

### **3.2 Pressure Fall-Off Test**

A pressure fall-off test (FOT) analysis and bottom-hole pressure survey were not performed in 2024. OCD has instructed the Facility to stop any FOT at this time and has requested repairs be made on WDW-2. The Facility continues to work with OCD to better understand the well pressure up issues and implications for future FOTs. See Attachment F for an assessment of the Entrada Sandstone injection reservoir conducted to assist in understanding the reservoir and assess the injection performance of WDW-2 to determine if the pressure transient testing and analyses are accurately characterizing the reservoir parameters.

In 2024 the Facility requested documentation from OCD for the regulatory basis for why repairs are required on WDW-2. Although an FOT was not performed in 2024, the Facility did have engineering company Strata perform an assessment of the Entrada Sandstone Reservoir compared to historical WDW-2 completion and FOT testing data. The following

FOT table is from the assessment. More details are provided in Section 3.4, and the full assessment report is in Attachment F.

Test Period	Permeability k (md)	Mobility-Thickness kh/μ (md-ft/cp)	Skin Factor S (dimension-less)	Extrapolated Pressure P* (psi)	Wellbore Fill Depth (ft KB)
10/03/17 - 10/13/17	3.3	1,108	-5.4	3,819	Not Recorded
04/15/19 - 04/30/19	1.7	451	-3.8	3,795	Not Recorded
09/21/20 - 10/01/20	1.1	298	-5.1	3,617	Not Recorded
09/19/21 - 09/29/21	1.0	270	-5.1	3,721	Not Recorded
09/14/22 - 09/26/22	2.5	643	-4.0	3,719	7,423
09/05/23 - 09/20/23	2.7	701	-4.1	3,723	7,403

Simulation curves were generated for the 2023 falloff test that provided a good match with the recorded pressure data. The infinite-acting, radial flow model provided a mobility-thickness of 701 md-ft/cp and a skin factor of -4.1, and the simulation analysis provided a mobility-thickness of 644 md-ft/cp and a skin factor of -4.3. Similar results were obtained with the 2022 test analysis. Although simulation curves were not provided with the other four FOTs, the mobility-thickness and skin factor calculations have been reasonably consistent with all six tests.

### 3.3 Spills/Releases

There were no releases in 2024 that had surface water or groundwater impacts or that required notification using the OCD C-141 form. The following table is a summary of releases in 2024.

### Releases Summary - 2024

Date	Volume Released	Material Released	Summary
1/17/2024	10 gallons	gasoline	Approximately 10 gallons of gasoline product from a valve bonnet on the Tank 23 water draw valve leaked to secondary containment.
3/27/2024	2 gallons	crude oil	Approximately 2 gallons of crude and boiler water were released to secondary containment near Tank 41.
11/20/2024	20 gallons	Crude oil	Approximately 40 gallons of crude oil and 150 gallons of water overflowed from the crude oil offloading sump due to a pump malfunction. The released material went to secondary containment.

### 3.4 Entrada Sandstone Reservoir Assessment by Strata, LLC

In 2024, the Facility contracted engineering company Strata, LLC to perform an assessment of the Entrada Sandstone injection reservoir to assist in understanding the Entrada Reservoir and assess the injection performance of WDW-2 to determine if the pressure transient testing and analyses are accurately characterizing the reservoir parameters. A copy of the assessment was emailed to OCD on September 11, 2024, and the full report is included in Attachment F.

The open hole logs run in WDW-2 have geophysical properties that indicate intervals within the Entrada formation may have higher permeabilities than the average permeability calculated from the pressure falloff test analysis. The invasion profile of the resistivity measurements, the apparent mud cake thickness (caliper measurements below bit size) and the density and neutron porosities above 15%, are indicators of permeability, however, none of these measurements can be used to quantify permeability. There are also several lower porosity and apparently low permeability intervals within the Entrada in WDW-2.

The depths of investigation of the open hole measurements are 4 feet or less, and the radius of investigation of the pressure transient data analyzed with the 2023 pressure falloff test data was 286 feet. The estimated total porosity drops from 14% in the Marathon WDW-2 to

9% in the Ashcroft SWD-1, and the wells are 3,400 feet apart. The Entrada SWD wells several miles east of the Ashcroft well have high injection pressures and are also completed in the Entrada, Bluff and Morrison formations. These wells also had to be stimulated with hydraulically fracture treatments to be utilized for injection.

The average permeability of the Entrada Sandstone is influenced by the structural position of the formation within the San Juan Basin. The level of compaction and secondary cementation increases with depth causing the porosity and permeability to decline. The good correlation between Injectivity Index (permeability indicator) and subsea depth of the Entrada wells demonstrate this permeability phenomenon.

There is no evidence from the drilling of WDW-2 or offset wells that the Entrada Sandstone has natural fractures. Therefore, the hydraulic stimulation performed on WDW-2 improved the performance of the well by creating secondary porosity and high permeability in the near-wellbore region of the well which resulted in negative skin and a lower surface injection pressure. The hydraulic fracture did not significantly increase the pore volume of the reservoir.

There is apparently a slow influx of unpropped frac sand through the perforations of WDW-2 that might be related to the intermittent operation of the well. There is no indication, however, that the current level of fill has had a significant impact on the performance of the well. It is possible the hydraulic fracture system created in the near wellbore region of WDW-2 has allowed the lower Entrada to accept fluid through perforations above the fill material.

While WDW-2 is inactive, the shut-in surface pressure declines towards the original reservoir pressure, indicating the reservoir is infinite-acting with no apparent boundary conditions that could cause the reservoir to over-pressure due to injection.

#### **Entrada Sandstone Reservoir Assessment Recommendations:**

Based on the data reviewed and analyzed, the results of the annual falloff tests have adequately characterized the reservoir properties of the Entrada Sandstone in WDW-2. The

behavior of the reservoir can be predicted, and it can be operated below the fracture closure pressure of the formation with no concern for over-pressuring the reservoir.

There is currently no well work that can be performed on WDW-2 to significantly change the results of reservoir properties obtained from pressure transient testing. If the level of wellbore fill continues to increase, a cleanout could become necessary in the future.

### **3.5 Summary of Conclusions and Recommendations**

The results of the quarterly WDW-2 waste analytical and the upstream/downstream monitoring well chemical analysis show that the injected water was within the acceptable limits of the permit conditions, did not exhibit any characteristics of toxicity, and did not have any effect on the groundwater found in the uppermost water-bearing unit. Although chloride and TDS were detected above the respective WQCC standards (chloride 250 mg/L, TDS 1,000 mg/L) for each sampling event in 2024, the WQCC screening level for chloride is to apply to the dissolve phase result, and therefore the comparison is bias high. The TDS screening level is irrelevant as it applies to a domestic water supply, and the Entrada Formation is a brackish aquifer with TDS concentrations exceeding 10,000 mg/L. (See Table 2.)

The upstream/downstream monitoring well data clearly show elevated concentrations of both chloride and sulfate originating hydro-geologically upgradient of WDW-2. WDW-2 and the associated equipment and piping do not appear to be the source of elevated chloride present in the groundwater.

Depth-to-groundwater measurements were collected in three quarters of 2024. The lack of variability and very consistent groundwater elevation gradient across the Facility indicates that WDW #2 operations has not had an impact on the groundwater elevations or hydraulic gradient, which has consistently been in a northwest direction.

The 2024 Bradenhead Test passed and indicates that WDW-2 is performing mechanically and physically within acceptable limits of the permit conditions. No adverse tubing, intermediate, casing or Bradenhead pressure anomalies were observed.

Based on previous year's testing results, the hydrogeologic characteristics of the injection well and formation do not conflict with estimated injection volumes. The injectivity is consistent with the nearby Ashcroft SWD #001 well, based on reported historical monthly volumes. The injection rates and pressure are within the expected range for disposal into the Entrada Sandstone at this depth.

Based on the above conclusions, analysis, acceptable well criteria, and operational demands at the Facility, there are no recommendations for changes to activities at WDW-2.

## **FIGURES**

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Figure 1

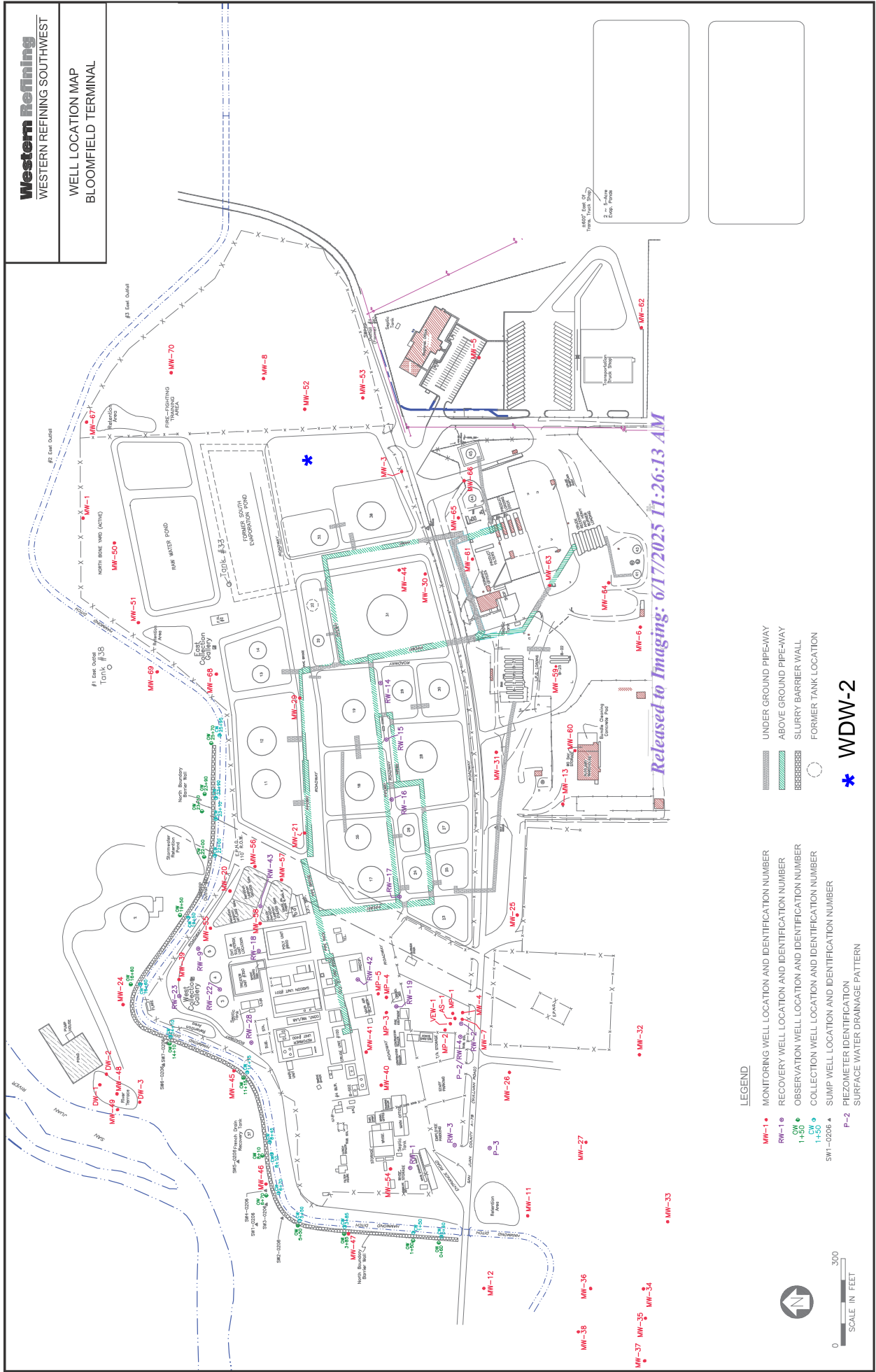
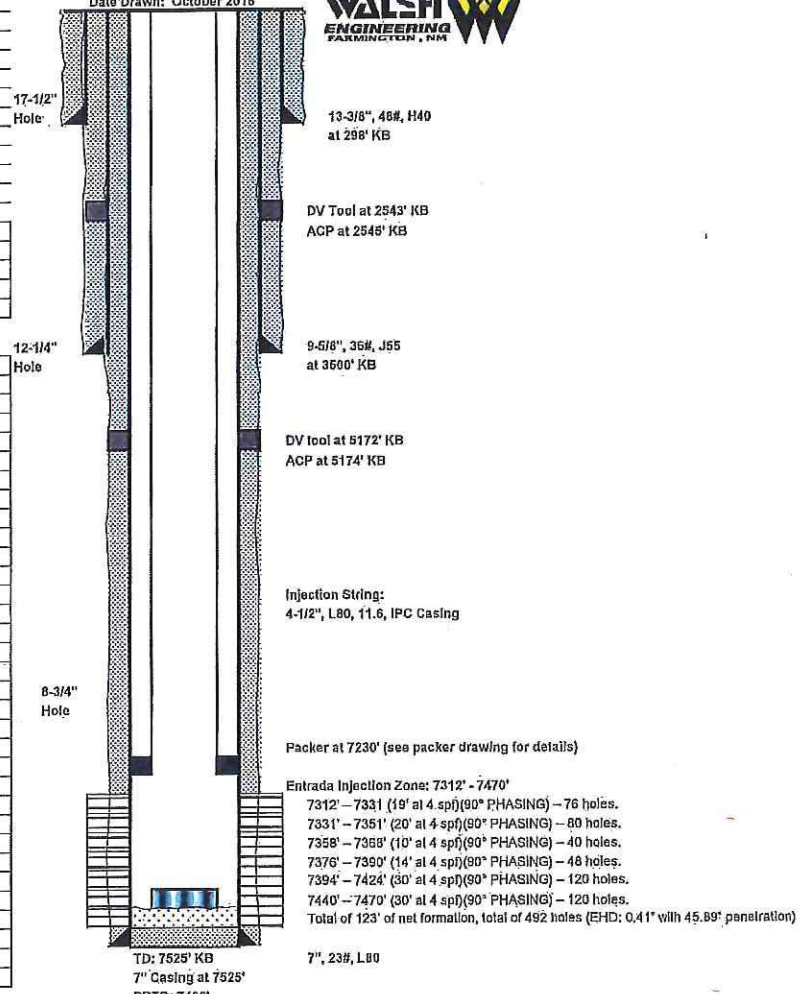




Figure 2

Well/Facility: SWD #2 Well Status: Current  
 Operator: Western Refinery Orig Oper:  
 Lease/Op Agmt: Inj Interval:  
 Field: Entrada API #:  
 County: San Juan GR/KB: 14.5'  
 State: NM TD: 7525' KB 17-1/2" Hole  
 Spud: 8/15/2016 PBTD: 7490' KB  
 Comp. Date: WI:  
 1st Prod: NRI:  
 Xmas tree:  
 Surface Loc: 2028' fnl & 411' fol  
 Sec-Twn-Rge: Sec 27/T28N/11W  
 Comments: 3/7/2017 - Started injection/Water Disposal Operations

Date Drawn: October 2015



Geologic Markers	
MD	Formation
Surface	Quaternary Alluv
10'	Nacimiento
516'	Ojo Alamo
625'	Kirtland
1203'	Fruitland
1718'	Pictured Cliffs
1880'	Lewis
2660'	Huerfano Bentonite
2688'	Chacara
2877'	Lower Lewis
3337'	Cliff House
3389'	Menefee
4045'	Point Lookout
4432'	Mancos Shale
5301'	Niobrara A
5400'	Niobrara B
5526'	Niobrara C
5606'	Gallup
5848'	Juana López
5966'	Carlile
6055'	Greenhorn
6117'	Graneros
6161'	Dakota
6357'	Burro Canyon
6417'	Morrison
7031'	Bluff Sandstone
7150'	Wanakah
7276'	Toolito
7308'	Entrada
7470'	Chinle
7525'	TD

Note: 7" packer f 7458'-7476', fill f 7478'-7490'

## **TABLES**

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Table A	2024 Operational Summary
Table B	2024 Quarterly Analytical Summary
Table C	2024 Monitoring Well Analytical Summary
Table D	Groundwater Elevations table
Tables 1-11F	2024 Groundwater Remediation and Monitoring Annual Report Tables with Historical Results.

Western Refining Southwest LLC  
 Bloomfield Terminal  
 Summary

TABLE A 2024 Operational Summary

Period 2024	Amount of Water From River (Barrels)	Amount From WWTP (Barrels)	Totalizer Amount Injected (Barrels)	*Cumulative Total Injected (Barrels)	Down-time (hrs)	Injection Pressure			Annular Pressure			On-Line Flowrates		
						Max (PSIG)	Min (PSIG)	Avg (PSIG)	Max (PSIG)	Min (PSIG)	Avg (PSIG)	Max (GPM)	Min (GPM)	Avg (GPM)
JAN	0	14,857	232	216,680	741.0	958	393	475	2	-3	0	40	35	37
FEB	0	12,833	0	216,680	696.0	472	463	467	1	-1	-1	0	-	0
MAR	0	13,833	0	216,680	744.0	465	459	462	5	-1	3	0	-	0
Quarterly Averages and Totals	0	41,524	232		2,181.0	632	438	468	3	-2	1	13	35	12
APR	0	27,690	271	216,950	714.5	986	447	468	6	-3	1	33	30	32
MAY	0	53,762	2	216,952	744.0	472	456	459	-1	-	-1	0	-	0
JUN	0	53,571	6,236	223,215	567.0	1262	454	638	-1	-2	-1	35	21	27
Quarterly Averages and Totals	0	135,024	6,509		2,025.5	907	452	522	1	-3	0	23	26	20
JUL	0	29,286	12,876	236,091	345.0	1333	701	1048	-1	-1	-1	26	19	22
AUG	0	28,119	0	235,492	744.0	786	606	668	-1	-1	-1	0	-	0
SEP	0	20,357	282	236,374	715.5	993	560	589	-1	-2	-1	26	25	26
Quarterly Averages and Totals	0	77,762	13,158		1,804.5	1037	622	768	-1	-1	-1	17	22	16
OCT	0	21,952	0	236,374	744.0	560	531	543	1	-1	-1	0	-	0
NOV	0	21,667	0	236,374	721.0	524	509	517	-1	-1	-1	0	-	0
DEC	0	23,881	45	236,419	743.0	700	496	504	-1	-4	-1	101	89	95
Quarterly Averages and Totals	0	67,500	45		2,208.0	595	512	521	0	-2	-1	34	89	32
Yearly Averages and Totals	0	321,810	19,944		8219	792.58	506.25	569.74	0.67	-1.85	-0.45	21.73	36.49	19.95

Total Volume Injected (bbls): 19,944 236,419

\* Cumulative total at the end of each month. Additional detail is found in Attachment D Well Operational Log of the Quarterly Report.

**Table  
B - Analytical Summary**

		Toxicity Characteristics (40 CFR261.24)	WQCC (20.6.2.3103 NMAC)	2024 Jan-Mar	2024 Apr-June	2024 July-Sept	2024 Oct-Dec
<b>Volatile Organic Compounds (mg/L)</b>							
D029	1,1-Dichloroethene	0.70	5	< 0.70	< 0.00045	< 0.04	< 0.04
D028	1,2-Dichloroethane (EDC)	0.50	10	< 0.50	< 0.0006	< 0.06	< 0.06
D027	1,4-Dichlorobenzene	7.5		< 7.5	< 0.00021	< 0.021	< 0.022
D035	2-Butanone (MEK)	200		< 200	< 0.0041	< 0.41	< 0.41
D018	Benzene	0.50	10	< 0.50	< 0.00045	< 0.045	< 0.045
D019	Carbon Tetrachloride	0.50	10	< 0.50	< 0.00035	< 0.035	< 0.036
D021	Chlorobenzene	100		< 100	< 0.00092	< 0.092	< 0.092
D022	Chloroform	6.0	100	< 6.0	< 0.0005	< 0.05	< 0.05
D039	Tetrachloroethene (PCE)	0.70	20	< 0.70	< 0.00036	< 0.036	< 0.036
D040	Trichloroethene (TCE)	0.50	100	< 0.50	< 0.00041	< 0.041	< 0.041
D043	Vinyl chloride	0.20	1	< 0.20	< 0.00064	< 0.064	< 0.064
<b>Semi-Volatile Organic Compounds (mg/L)</b>							
D041	2,4,5-Trichlorophenol	400		< 400	< .026	< 0.0051	< 0.0051
D042	2,4,6-Trichlorophenol	2.0		< 2.0	< .022	< 0.0043	< 0.0043
D030	2,4-Dinitrotoluene	0.13		< 0.13	< .025	< 0.005	< 0.005
D023	2-Methylphenol (o-Cresol)	200		< 200	< .023	< 0.0047	< 0.0049
D024, D025	3+4-Methylphenol (m, p-Cresol)	200		< 200	< .024	< 0.0049	< 0.0049
D032	Hexachlorobenzene	0.13		< 0.13	< .023	< 0.0046	< 0.0046
D033	Hexachlorobutadiene	0.50		< .50	< 0.057	< 0.011	< 0.011
D034	Hexachloroethane	3.0		< 3.0	< 0.055	< 0.011	< 0.011
D036	Nitrobenzene	2.0		< 2.0	< 0.018	< 0.0036	< 0.0036
D037	Pentachlorophenol	100		< 100	< 0.076	< 0.015	< 0.015
D038	Pyridine	5.0		< 5.0	< 0.013	< 0.0026	< 0.0026
<b>General Chemistry (mg/L unless otherwise stated)</b>							
	Specific Conductance (umhos/cm3)			3000	2600	1000	1000
	Bromide			2.0	1.5	0.41	0.53
	Chloride		250 *	670	580	170	180
	Fluoride			< 0.5	2.0	0.21	0.32
	Nitrate + Nitrite as N			< 0.5	< 0.23	< 0.02	0.058
	Phosphorus, Orthophosphate (As P)			< 2.5	< 0.25	< 0.25	< 1.3
	Sulfate		600	110	77	36	31.0
	Total Dissolved Solids		1000 **	1610	1400	550	570.0
	pH (pH Units)			8.02	7.8	8.0	7.5
	Bicarbonate (As CaCO3)			393.2	380	210	200
	Carbonate (As CaCO3)			< 2.0	< 2.0	< 2.0	< 2.0
	Total Alkalinity (as CaCO3)			393.2	380	210	200
	Specific Gravity			0.997	1.000	0.990	1.00
	Oxidation-Reduction Potential (mV)			203.8	81	340	240
<b>Total Metals (mg/L)</b>							
D004	Arsenic	5.0		0.0026	0.0019	< 0.005	< 0.0025
D005	Barium	100		0.1	0.12	0.15	0.110
D006	Cadmium	1.0		< 0.002	< 0.0012	< 0.005	< 0.0025
D007	Chromium	5.0		0.024	< 0.0012	< 0.005	0.0036
D008	Lead	5.0		< 0.001	< 0.0006	< 0.006	< 0.003
D010	Selenium	1.0		0.0019	< 0.0008	< 0.008	< 0.004
D011	Silver	5.0		< 0.005	< 0.0013	< 0.005	< 0.0025
D009	Mercury	0.2	0.002	< 0.0002	< 0.00012	< 0.00012	< 0.00012
<b>Dissolved Metals (mg/L)</b>							
	Calcium			35	44	36	41
	Magnesium			33	30	9.5	12
	Potassium			19	16	4.9	5.4
	Sodium			490	460	140	160
<b>Ignitability, Corrosivity, and Reactivity</b>							
D003	Reactive Cyanide (mg/L)			< 0.025	< 0.5	< 0.25	< 0.25
D003	Reactive Sulfide (mg/L)			< 6.3	< 5.0	< 50	< 50
D001	Ignitability (°F)	< 140° F		161° F***	> 212° F	> 212° F	> 212° F
D002	Corrosivity (pH Units)	< 2 or ≥ 12.5	6-9	7.5	7.8	8	7.5
<b>Pesticides (mg/L)</b>							
	Chlordane	0.03		< 0.002	< .0025	< .0005	< .005
<b>Field Parameters</b>							
	pH			7.4	7.7	6.8	7.3
	Temperature (°C)			11	20	19	7.8
	Oxidation-Reduction Potential (mV)						-101.8

**Notes:**

\* This screening level applies to the dissolved phase result, therefore the comparison is bias high.

\*\* This screening level is irrelevant as it applies to a domestic water supply, and the Entrada Formation is a brackish aquifer with TDS concentrations exceeding 10,000 mg/L.

\*\*\* The flash point result in the 1/23/24 sample was 134°F, but the 12-month average result is displayed to demonstrate how the wastewater is not characteristically flammable.

**Table C - Monitoring Well Analytical Summary**

Well ID	Date	Chloride	Sulfate
<b>Upstream of WDW #2</b>			
MW-52	August-13*	670	1200
	August-14*	820	1700
	August-15*	560	1100
	August-16*	11	120
	August-20	560	980
	March-22	620	1500
	June-22	750	1600
	August-22	210	1100
	November-22	330	1500
	February-23	450	1500
	June-23	870	1300
	October-23	1400	1500
	April-24	1700	1400
	November-24	200	1600
MW-53	August-13*	620	1200
	August-14*	1000	1300
	August-15*	920	980
	August-16*	640	1400
	August-20	940	930
	March-22	800	1100
	June-22	870	1200
	September-22	1000	1100
	November-22	830	1100
	February-23	840	1100
	June-23	800	1200
	October-23	860	1300
	April-24	760	1100
	November-24	790	1100
MW-62	April-24	13	3800
	November-24	13	4400
MW-63	April-24	180	1500
	November-24	190	1300
<b>Downstream of WDW #2</b>			
MW-78	March-22	160	940
	June-22	220	1100
	September-22	300	730
	November-22	250	910
	February-23	170	1300
	June-23	240	2100
	October-23	**	**
	April-24	**	**
	November-24	300	690
MW-68	August-13*	43	250
	August-14*	34	300
	August-15*	42	280
	August-16*	38	260
	August-20	20	230
	March-22	29	240
	June-22	44	240
	September-22	21	250
	November-22	33	250
	February-23	38	320
	June-23	180	510
	October-23	340	720
	April-24	490	840
November-24	350	710	

Well ID	Date	Chloride	Sulfate
<b>Injection Well</b>			
WDW #2	December-20	890	72
	March-21	740	67
	May-21	720	57
	August-21	690	36
	October-21	1000	63
	March-22	990	75
	June-22	920	58
	September-22	910	79
	December-22	710	84
	February-23	1100	110
	June-23	1000	82
	September-23	640	130
	October-23	580	110
	January-24	670	110
	April-24	580	77
September-24	170	36	
November-24	180	31	

\* Data provided for historical reference. WDW-2 was not installed until 2017 after this data was collected.

\*\* Groundwater elevation was too low to sample.

Table D - Groundwater Elevations

Well ID	Date	Corrected Groundwater Elevation ft amsl	Variance Percentage Since Previous Measurement	Variance Percentage 2-Year Average	Well ID	Date	Corrected Groundwater Elevation ft amsl	Variance Percentage Since Previous Measurement	Variance Percentage 2-Year Average
<b>Upstream of WDW #2</b>					<b>Downstream of WDW #2</b>				
MW-52	August-20	5503.78			MW-78	March-22	5501.2		
	August-21	5502.17	-0.0293%			June-22	5501.02	-0.0033%	
	December-21	5501.47	-0.0127%			September-22	5501.03	0.0002%	
	March-22	5501.31	-0.0029%			November-22	5501.16	0.0024%	
	June-22	5501.04	-0.0049%			February-23	5500.79	-0.0067%	
	September-22	5501.35	0.0056%			June-23	5500.70	-0.0016%	
	November-22	5501.33	-0.0004%			October-23	5500.55	-0.0027%	
	February-23	5501.02	-0.0056%			April-24	dry		
	June-23	5500.94	-0.0015%			November-24	5501.06	-0.0093%	-0.0030%
	October-23	5500.75	-0.0035%			MW-29	August-20	5503.31	
	April-24	5500.59	-0.0029%		August-21		5501.8	-0.0274%	
	November-24	5501.14	0.0100%	-0.0044%	December-21		5500.88	-0.0167%	
MW-53	August-20	5503.37			March-22		5500.84	-0.0007%	
	August-21	5502.22	-0.0209%		June-22		5500.71	-0.0024%	
	March-22	5501.55	-0.0122%		September-22		5501.02	0.0056%	
	June-22	5501.41	-0.0025%		November-22		5500.77	-0.0045%	
	September-22	5501.54	0.0024%		February-23		5500.41	-0.0065%	
	November-22	5501.57	0.0005%		June-23		5500.27	-0.0025%	
	February-23	5501.42	-0.0027%		October-23		5500.05	-0.0040%	
	June-23	5501.40	-0.0004%		April-24	5499.87	-0.0033%		
	October-23	5501.2	-0.0036%		November-24	5500.29	0.0076%	-0.0050%	
	April-24	5501.09	-0.0020%		MW-68	August-20	5501.99		
	November-24	5501.44	0.0064%	-0.0035%		August-21	5500.65	-0.0244%	
						December-21	5499.69	-0.0175%	
						March-22	5499.67	-0.0004%	
						June-22	5499.66	-0.0002%	
						September-22	5499.81	0.0027%	
						November-22	5499.62	-0.0035%	
						February-23	5499.22	-0.0073%	
						June-23	5499.09	-0.0024%	
						October-23	5498.99	-0.0018%	
					April-24	5498.76	-0.0042%		
					November-24	5497.55	-0.0220%	-0.0056%	
					MW-21	August-20	5500.76		
						August-21	5500.19	-0.0104%	
						December-21	5499.81	-0.0069%	
						March-22	5499.71	-0.0018%	
						June-22	5499.54	-0.0031%	
						September-22	5499.90	0.0065%	
						November-22	5499.78	-0.0022%	
						February-23	5499.60	-0.0033%	
						June-23	5497.52	-0.0378%	
						April-24	5499.12	0.0291%	
					November-24	5500.22	0.0200%	0.0001%	
					MW-55	August-20	5501.55		
						August-21	5498.05	-0.0636%	
						December-21	5497.91	-0.0025%	
						March-22	5497.99	0.0015%	
						June-22	5497.92	-0.0013%	
						September-22	5497.99	0.0013%	
						November-22	5498.04	0.0009%	
						February-23	5497.94	-0.0018%	
						June-23	5498.07	0.0024%	
						October-23	5498.00	-0.0013%	
					April-24	5497.85	-0.0028%		
					November-24	5498.10	0.0046%	0.0001%	



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MW-1	4/26/2021	5,519.21	21.40	NPP	17.60	5,501.61	NPP
	8/16/2021	5,519.21	21.40	NPP	17.24	5,501.97	NPP
	12/21/2021	5,519.21	21.40	NPP	18.64	5,500.57	NPP
	4/11/2022	5,519.21	21.40	NPP	18.80	5,500.41	NPP
	8/1/2022	5,519.21	21.40	NPP	17.85	5,501.36	NPP
	4/24/2023	5,519.21	21.42	NPP	19.56	5,499.65	NPP
	8/9/2023	5,519.21	21.42	NPP	19.16	5,500.05	NPP
	4/16/2024	5,519.21	21.42	NPP	20.18	5,499.03	NPP
8/5/2024	5,519.21	21.42	NPP	19.90	5,499.31	NPP	
MW-3	4/26/2021	5,539.27	36.50	NPP	36.50	5,502.77	NPP
	8/16/2021	5,539.27	36.50	NPP	NWP	NWP	NPP
	4/11/2022	5,539.27	36.50	NPP	NWP	NWP	NPP
	8/1/2022	5,539.27	36.50	NPP	NWP	NWP	NPP
	4/24/2023	5,539.27	36.44	NPP	NWP	NWP	NPP
	8/9/2023	5,539.27	36.44	NPP	NWP	NWP	NPP
	4/16/2024	5,539.27	36.44	NPP	NWP	NWP	NPP
8/5/2024	5,539.27	36.44	NPP	NWP	NWP	NPP	
MW-4	4/26/2021	5,527.78	29.81	NPP	27.55	5,500.23	NPP
	8/16/2021	5,527.78	29.81	NPP	27.66	5,500.12	NPP
	4/11/2022	5,527.78	29.81	NPP	27.68	5,500.10	NPP
	8/1/2022	5,527.78	29.81	NPP	27.76	5,500.02	NPP
	4/24/2023	5,527.78	29.83	NPP	27.58	5,500.20	NPP
	8/9/2023	5,527.78	29.83	NPP	27.70	5,500.08	NPP
	4/16/2024	5,527.78	29.83	27.80	28.67	5,499.81	0.87
8/5/2024	5,527.78	29.83	NPP	28.00	5,499.78	NPP	
MW-5	4/26/2021	5,548.56	31.20	NPP	31.20	5,517.36	NPP
	8/16/2021	5,548.56	31.20	NPP	NWP	NWP	NPP
	4/11/2022	5,548.56	31.20	NPP	NWP	NWP	NPP
	8/1/2022	5,548.56	31.20	NPP	NWP	NWP	NPP
	4/24/2023	5,548.56	31.14	NPP	NWP	NWP	NPP
	8/9/2023	5,548.56	31.14	NPP	NWP	NWP	NPP
	4/16/2024	5,548.56	31.14	NPP	NWP	NWP	NPP
8/6/2024	5,548.56	31.14	NPP	NWP	NWP	NPP	
MW-6	4/26/2021	5,554.61	47.55	NPP	NWP	NWP	NPP
	8/16/2021	5,554.61	47.55	NPP	NWP	NWP	NPP
	4/11/2022	5,554.61	47.55	NPP	NWP	NWP	NPP
	8/1/2022	5,554.61	47.55	NPP	NWP	NWP	NPP
	4/24/2023	5,554.61	47.49	NPP	NWP	NWP	NPP
	8/9/2023	5,554.61	47.49	NPP	NWP	NWP	NPP
	4/16/2024	5,554.61	47.49	NPP	NWP	NWP	NPP
8/6/2024	5,554.61	47.49	NPP	NWP	NWP	NPP	
MW-7	4/26/2021	5,527.66	62.14	NPP	27.63	5,500.03	NPP
	8/16/2021	5,527.66	62.14	NPP	28.08	5,499.58	NPP
	4/11/2022	5,527.66	62.14	NPP	27.78	5,499.88	NPP
	8/1/2022	5,527.66	62.14	NPP	28.23	5,499.43	NPP
	4/24/2023	5,527.66	62.04	NPP	27.94	5,499.72	NPP
	8/9/2023	5,527.66	62.04	NPP	28.35	5,499.31	NPP
	4/16/2024	5,527.66	62.04	NPP	28.21	5,499.45	NPP
8/5/2024	5,527.66	62.04	NPP	28.50	5,499.16	NPP	



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MW-8	4/26/2021	5,534.58	34.80	NPP	31.88	5,502.70	NPP
	8/16/2021	5,534.58	34.80	NPP	32.50	5,502.08	NPP
	12/21/2021	5,534.58	34.80	NPP	32.63	5,501.95	NPP
	4/11/2022	5,534.58	34.80	NPP	32.86	5,501.72	NPP
	8/1/2022	5,534.58	34.80	NPP	32.86	5,501.72	NPP
	4/24/2023	5,534.58	34.75	NPP	33.21	5,501.37	NPP
	8/9/2023	5,534.58	34.75	NPP	33.39	5,501.19	NPP
	4/16/2024	5,534.58	34.75	NPP	34.08	5,500.50	NPP
8/5/2024	5,534.58	34.75	NPP	33.46	5,501.12	NPP	
MW-11	4/26/2021	Cannot Gauge - Wasp Nest in Well					
	8/16/2021	Cannot Gauge - Wasp Nest in Well					
	4/11/2022	Cannot Gauge - Wasp Nest in Well					
	8/1/2022	Cannot Gauge - Wasp Nest in Well					
	4/24/2023	5,510.31	22.32	NPP	21.37	5,488.94	NPP
	8/9/2023	5,510.31	22.32	NPP	19.16	5,491.15	NPP
	4/16/2024	5,510.31	22.32	NPP	20.48	5,489.83	NPP
8/14/2024	5,510.31	22.32	NPP	12.43	5,497.88	NPP	
MW-12	4/27/2021	5,501.61	13.49	NPP	10.42	5,491.19	NPP
	8/16/2021	5,501.61	13.49	NPP	9.56	5,492.05	NPP
	4/11/2022	5,501.61	13.49	NPP	10.37	5,491.24	NPP
	8/1/2022	5,501.61	13.49	NPP	9.60	5,492.01	NPP
	4/24/2023	5,501.61	13.36	NPP	11.54	5,490.07	NPP
	8/9/2023	5,501.61	13.36	NPP	NWP	NWP	NPP
	4/16/2024	5,501.61	13.36	NPP	10.54	5,491.07	NPP
	8/6/2024	5,501.61	13.36	NPP	NWP	NWP	NPP
MW-13	4/26/2021	5,542.04	52.92	NPP	40.96	5,501.08	NPP
	8/16/2021	5,542.04	52.92	NPP	41.04	5,501.00	NPP
	4/11/2022	5,542.04	52.92	NPP	41.19	5,500.85	NPP
	8/2/2022	5,542.04	52.92	NPP	41.28	5,500.76	NPP
	4/24/2023	5,542.04	52.85	NPP	41.31	5,500.73	NPP
	8/9/2023	5,542.04	52.85	NPP	41.32	5,500.72	NPP
	4/15/2024	5,542.04	52.85	NPP	41.42	5,500.62	NPP
	8/6/2024	5,542.04	52.85	NPP	41.45	5,500.59	NPP
MW-20	4/26/2021	5,519.90	27.11	20.75	20.77	5,499.15	0.02
	8/16/2021	5,519.90	27.40	NPP	20.80	5,499.10	NPP
	4/11/2022	5,519.90	27.40	NPP	21.00	5,498.90	NPP
	8/11/2022	5,519.90	27.40	NPP	20.99	5,498.91	NPP
	4/24/2023	5,519.90	24.99	20.89	21.64	5,498.86	0.75
	8/9/2023	5,519.90	24.99	20.92	21.56	5,498.85	0.64
	4/16/2024	5,519.90	24.99	21.08	22.10	5,498.62	1.02
8/5/2024	5,519.90	24.99	NPP	20.62	5,499.28	NPP	
MW-21	4/26/2021	5,521.99	30.51	21.59	21.79	5,500.36	0.20
	8/16/2021	5,521.99	30.52	NPP	21.80	5,500.19	NPP
	12/21/2021	5,521.99	30.52	NPP	22.18	5,499.81	NPP
	4/11/2022	5,521.99	30.52	22.32	22.39	5,499.66	0.07
	8/1/2022	5,521.99	30.52	NPP	22.05	5,499.94	NPP
4/24/2023	5,521.99	30.44	NPP	24.49	5,497.50	NPP	





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MW-21	8/9/2023	5,521.99	30.44	22.55	22.58	5,499.43	0.03
	4/16/2024	5,521.99	30.44	22.84	22.87	5,499.14	0.03
	8/5/2024	5,521.99	30.44	NPP	21.46	5,500.53	NPP
MW-25	4/26/2021	5,533.99	41.25	NPP	33.29	5,500.70	NPP
	8/16/2021	5,533.99	41.25	NPP	33.36	5,500.63	NPP
	4/11/2022	5,533.99	41.25	NPP	33.48	5,500.51	NPP
	8/1/2022	5,533.99	41.25	NPP	33.55	5,500.44	NPP
	4/24/2023	5,533.99	41.25	NPP	32.49	5,501.50	NPP
	8/9/2023	5,533.99	41.25	NPP	32.88	5,501.11	NPP
	4/16/2024	5,533.99	41.25	NPP	33.70	5,500.29	NPP
	8/6/2024	5,533.99	41.25	NPP	33.67	5,500.32	NPP
MW-26	4/26/2021	5,517.88	25.18	NPP	18.00	5,499.88	NPP
	8/16/2021	5,517.88	25.18	NPP	18.05	5,499.83	NPP
	4/11/2022	5,517.88	25.18	NPP	18.02	5,499.86	NPP
	8/1/2022	5,517.88	25.18	NPP	21.03	5,496.85	NPP
	4/24/2023	5,517.88	25.17	NPP	18.12	5,499.76	NPP
	8/9/2023	5,517.88	25.17	NPP	18.26	5,499.62	NPP
	4/16/2024	5,517.88	25.17	NPP	19.33	5,498.55	NPP
8/6/2024	5,517.88	25.17	NPP	13.31	5,504.57	NPP	
MW-27	4/26/2021	5,518.67	24.51	NPP	22.56	5,496.11	NPP
	8/16/2021	5,518.67	24.51	NPP	23.32	5,495.35	NPP
	4/11/2022	5,518.67	24.51	NPP	21.10	5,497.57	NPP
	8/1/2022	5,518.67	24.51	NPP	21.75	5,496.92	NPP
	4/24/2023	5,518.67	24.42	NPP	19.43	5,499.24	NPP
	8/9/2023	5,518.67	24.42	NPP	20.56	5,498.11	NPP
	4/16/2024	5,518.67	24.42	NPP	22.11	5,496.56	NPP
8/6/2024	5,518.67	24.42	NPP	23.23	5,495.44	NPP	
MW-29	4/26/2021	5,524.97	28.68	NPP	23.31	5,501.66	NPP
	8/16/2021	5,524.97	28.68	NPP	23.17	5,501.80	NPP
	12/21/2021	5,524.97	28.68	NPP	24.09	5,500.88	NPP
	4/11/2022	5,524.97	28.68	NPP	24.28	5,500.69	NPP
	8/1/2022	5,524.97	28.68	NPP	23.70	5,501.27	NPP
	4/24/2023	5,524.97	28.74	NPP	24.72	5,500.25	NPP
	8/9/2023	5,524.97	28.74	NPP	24.82	5,500.15	NPP
	4/16/2024	5,524.97	28.74	NPP	25.10	5,499.87	NPP
8/5/2024	5,524.97	28.74	NPP	23.48	5,501.49	NPP	
MW-30	4/26/2021	5,536.83	40.22	NPP	34.29	5,502.54	NPP
	8/16/2021	5,536.83	40.22	NPP	34.30	5,502.53	NPP
	12/21/2021	5,536.83	40.22	NPP	34.66	5,502.17	NPP
	4/11/2022	5,536.83	40.22	NPP	35.02	5,501.81	NPP
	8/1/2022	5,536.83	40.22	NPP	35.00	5,501.83	NPP
	4/24/2023	5,536.83	40.14	NPP	35.14	5,501.69	NPP
	8/9/2023	5,536.83	40.14	NPP	35.02	5,501.81	NPP
	4/16/2024	5,536.83	40.14	NPP	35.17	5,501.66	NPP
8/5/2024	5,536.83	40.14	NPP	35.17	5,501.66	NPP	
MW-31	4/26/2021	5,536.24	39.23	NPP	34.54	5,501.70	NPP
	8/16/2021	5,536.24	39.23	NPP	34.61	5,501.63	NPP
	4/11/2022	5,536.24	39.23	NPP	34.80	5,501.44	NPP
	8/2/2022	5,536.24	39.23	NPP	34.91	5,501.33	NPP



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Well ID	Date	Measuring Point Elevation (ft AMSL)	Total Well Depth (ft Below TOC)	Depth To Product (ft Below TOC)	Depth To Water (ft Below TOC)	Corrected Groundwater Elevation (ft AMSL)	SPH Thickness (ft)
MW-31	4/24/2023	5,536.24	39.16	NPP	34.88	5,501.36	NPP
	8/9/2023	5,536.24	39.16	NPP	34.86	5,501.38	NPP
	4/16/2024	5,536.24	39.16	NPP	35.01	5,501.23	NPP
	8/6/2024	5,536.24	39.16	NPP	35.04	5,501.20	NPP
MW-32	4/26/2021	5,525.64	27.60	NPP	25.41	5,500.23	NPP
	8/16/2021	5,525.64	27.60	NPP	25.26	5,500.38	NPP
	4/11/2022	5,525.64	27.60	NPP	25.41	5,500.23	NPP
	8/1/2022	5,525.64	27.60	NPP	25.54	5,500.10	NPP
	4/24/2023	5,525.64	27.54	NPP	25.49	5,500.15	NPP
	8/9/2023	5,525.64	27.54	NPP	25.77	5,499.87	NPP
	4/16/2024	5,525.64	27.54	NPP	26.03	5,499.61	NPP
	8/14/2024	5,525.64	27.54	NPP	25.73	5,499.91	NPP
MW-33	4/26/2021	5,521.79	25.56	NPP	24.50	5,497.29	NPP
	8/16/2021	5,521.79	25.56	NPP	25.00	5,496.79	NPP
	4/11/2022	5,521.79	25.56	NPP	24.40	5,497.39	NPP
	8/1/2022	5,521.79	25.56	NPP	24.70	5,497.09	NPP
	4/24/2023	5,521.79	25.50	NPP	23.90	5,497.89	NPP
	8/9/2023	5,521.79	25.50	NPP	24.44	5,497.35	NPP
	4/16/2024	5,521.79	25.50	NPP	24.39	5,497.40	NPP
MW-34	8/6/2024	5,521.79	25.50	NPP	24.95	5,496.84	NPP
	4/26/2021	5,511.63	15.20	NPP	15.20	5,496.43	NPP
	8/16/2021	5,511.63	15.20	NPP	14.72	5,496.91	NPP
	4/11/2022	5,511.63	15.20	NPP	14.75	5,496.88	NPP
	8/1/2022	5,511.63	15.20	NPP	14.39	5,497.24	NPP
	4/24/2023	5,511.63	20.97	NPP	14.85	5,496.78	NPP
	8/9/2023	5,511.63	20.97	NPP	NWP	NWP	NPP
MW-35	4/16/2024	5,511.63	20.97	NPP	14.74	5,496.89	NPP
	8/6/2024	5,511.63	20.97	NPP	14.81	5,496.82	NPP
	4/26/2021	5,518.95	26.00	NPP	22.76	5,496.19	NPP
	8/16/2021	5,518.95	26.00	NPP	22.41	5,496.54	NPP
	4/11/2022	5,518.95	26.00	NPP	NWP	NWP	NPP
	8/1/2022	5,518.95	26.00	NPP	22.40	5,496.55	NPP
	4/24/2023	5,518.95	25.62	NPP	22.58	5,496.37	NPP
MW-36	8/9/2023	5,518.95	25.62	NPP	22.83	5,496.12	NPP
	4/16/2024	5,518.95	25.62	NPP	22.46	5,496.49	NPP
	8/6/2024	5,518.95	25.62	NPP	NWP	NWP	NPP
	4/26/2021	5,516.95	22.93	NPP	21.10	5,495.85	NPP
	8/16/2021	5,516.95	22.93	NPP	20.44	5,496.51	NPP
	4/11/2022	5,516.95	22.93	NPP	21.06	5,495.89	NPP
	8/1/2022	5,516.95	22.93	NPP	20.45	5,496.50	NPP
MW-37	4/24/2023	5,516.95	23.05	NPP	20.88	5,496.07	NPP
	8/9/2023	5,516.95	23.05	NPP	21.03	5,495.92	NPP
	4/16/2024	5,516.95	23.05	NPP	20.80	5,496.15	NPP
	8/6/2024	5,516.95	23.05	NPP	20.86	5,496.09	NPP
	4/26/2021	5,519.62	27.43	NPP	23.86	5,495.76	NPP
	8/16/2021	5,519.62	27.43	NPP	23.47	5,496.15	NPP
	4/11/2022	5,519.62	27.43	NPP	23.61	5,496.01	NPP
MW-37	8/1/2022	5,519.62	27.43	NPP	23.48	5,496.14	NPP
	4/24/2023	5,519.62	27.35	NPP	23.65	5,495.97	NPP



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Well ID	Date	Measuring Point Elevation (ft AMSL)	Total Well Depth (ft Below TOC)	Depth To Product (ft Below TOC)	Depth To Water (ft Below TOC)	Corrected Groundwater Elevation (ft AMSL)	SPH Thickness (ft)
MW-37	8/9/2023	5,519.62	27.35	NPP	23.86	5,495.76	NPP
	4/16/2024	5,519.62	27.35	NPP	23.58	5,496.04	NPP
	8/26/2024	5,519.62	27.35	NPP	23.63	5,495.99	NPP
MW-38	4/26/2021	5,519.19	26.92	NPP	23.81	5,495.38	NPP
	8/16/2021	5,519.19	26.92	NPP	23.30	5,495.89	NPP
	4/11/2022	5,519.19	26.92	NPP	27.12	5,492.07	NPP
	8/1/2022	5,519.19	26.92	NPP	23.32	5,495.87	NPP
	4/24/2023	5,519.19	26.82	NPP	23.58	5,495.61	NPP
	8/9/2023	5,519.19	26.82	NPP	23.97	5,495.22	NPP
	4/16/2024	5,519.19	26.82	NPP	23.55	5,495.64	NPP
	8/6/2024	5,519.19	26.82	NPP	23.68	5,495.51	NPP
	MW-39	4/26/2021	5,520.83	38.23	24.31	24.33	5,496.52
8/16/2021		5,520.83	38.23	NPP	25.60	5,495.23	NPP
4/11/2022		5,520.83	38.23	NPP	25.34	5,495.49	NPP
8/1/2022		5,520.83	38.23	NPP	25.60	5,495.23	NPP
4/24/2023		5,520.83	38.31	NPP	25.34	5,495.49	NPP
8/9/2023		5,520.83	38.31	NPP	25.57	5,495.26	NPP
4/16/2024		5,520.83	38.31	NPP	25.36	5,495.47	NPP
MW-40	8/5/2024	5,520.83	38.31	NPP	25.43	5,495.40	NPP
	4/26/2021	5,527.31	29.75	NPP	28.18	5,499.13	NPP
	8/16/2021	5,527.31	29.75	NPP	28.28	5,499.03	NPP
	4/11/2022	5,527.31	29.75	NPP	28.14	5,499.17	NPP
	8/1/2022	5,527.31	29.75	28.49	28.52	5,498.81	0.03
	4/24/2023	5,527.31	29.56	NPP	28.02	5,499.29	NPP
	8/9/2023	5,527.31	29.56	NPP	28.09	5,499.22	NPP
	4/16/2024	5,527.31	29.56	28.63	28.69	5,498.67	0.06
MW-41	8/5/2024	5,527.31	29.56	NPP	28.41	5,498.90	NPP
	4/26/2021	5,526.41	31.30	NPP	31.30	5,495.11	NPP
	8/16/2021	5,526.41	31.30	NPP	NWP	NWP	NPP
	4/11/2022	5,526.41	31.30	NPP	NWP	NWP	NPP
	8/1/2022	5,526.41	31.30	26.86	27.00	5,499.52	0.14
	4/24/2023	5,526.41	31.20	NPP	26.63	5,499.78	NPP
	8/9/2023	5,526.41	31.20	NPP	26.66	5,499.75	NPP
	4/16/2024	5,526.41	31.20	NPP	27.26	5,499.15	NPP
MW-44	8/5/2024	5,526.41	31.20	NPP	26.81	5,499.60	NPP
	4/26/2021	5,535.44	51.00	NPP	33.69	5,501.75	NPP
	8/16/2021	5,535.44	51.00	NPP	34.28	5,501.16	NPP
	4/11/2022	5,535.44	51.00	NPP	34.29	5,501.15	NPP
	8/1/2022	5,535.44	51.00	NPP	34.90	5,500.54	NPP
	4/24/2023	5,535.44	50.92	NPP	34.80	5,500.64	NPP
	8/9/2023	5,535.44	50.92	NPP	35.28	5,500.16	NPP
	4/16/2024	5,535.44	50.92	NPP	35.20	5,500.24	NPP
MW-45	8/5/2024	5,535.44	50.92	NPP	35.61	5,499.83	NPP
	4/26/2021	5,506.36	16.78	NPP	12.08	5,494.28	NPP
	8/17/2021	5,506.36	16.78	NPP	11.97	5,494.39	NPP
	4/11/2022	5,506.36	16.78	NPP	12.01	5,494.35	NPP
	8/1/2022	5,506.36	16.78	NPP	12.10	5,494.26	NPP
	4/24/2023	5,506.36	16.65	NPP	12.01	5,494.35	NPP
8/9/2023	5,506.36	16.65	NPP	11.97	5,494.39	NPP	



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Well ID	Date	Measuring Point Elevation (ft AMSL)	Total Well Depth (ft Below TOC)	Depth To Product (ft Below TOC)	Depth To Water (ft Below TOC)	Corrected Groundwater Elevation (ft AMSL)	SPH Thickness (ft)
MW-45	4/16/2024	5,506.36	16.65	NPP	12.23	5,494.13	NPP
	8/5/2024	5,506.36	16.65	NPP	12.04	5,494.32	NPP
MW-46	4/27/2021	5,504.65	10.51	NPP	NWP	NWP	NPP
	8/17/2021	5,504.65	10.51	NPP	NWP	NWP	NPP
	4/11/2022	5,504.65	10.51	NPP	NWP	NWP	NPP
	8/1/2022	5,504.65	10.51	NPP	NWP	NWP	NPP
	4/24/2023	5,504.65	10.09	NPP	NWP	NWP	NPP
	8/9/2023	5,504.65	10.09	NPP	NWP	NWP	NPP
	4/16/2024	5,504.65	10.09	NPP	NWP	NWP	NPP
	8/5/2024	5,504.65	10.09	NPP	NWP	NWP	NPP
MW-47	4/27/2021	5,506.77	14.17	NPP	13.57	5,493.20	NPP
	8/17/2021	5,506.77	14.17	NPP	13.55	5,493.22	NPP
	4/11/2022	5,506.77	14.17	NPP	13.26	5,493.51	NPP
	8/1/2022	5,506.77	14.17	NPP	12.75	5,494.02	NPP
	4/24/2023	5,506.77	14.10	NPP	12.94	5,493.83	NPP
	8/9/2023	5,506.77	14.10	NPP	13.22	5,493.55	NPP
	4/16/2024	5,506.77	14.10	NPP	13.36	5,493.41	NPP
MW-50	8/5/2024	5,506.77	14.10	NPP	13.41	5,493.36	NPP
	4/26/2021	5,518.79	22.05	NPP	17.40	5,501.39	NPP
	8/16/2021	5,518.79	22.05	NPP	16.75	5,502.04	NPP
	4/11/2022	5,518.79	22.05	NPP	18.55	5,500.24	NPP
	8/1/2022	5,518.79	22.05	NPP	17.55	5,501.24	NPP
	4/24/2023	5,518.79	22.06	NPP	19.56	5,499.23	NPP
	8/9/2023	5,518.79	22.06	NPP	19.29	5,499.50	NPP
	4/16/2024	5,518.79	22.06	NPP	20.23	5,498.56	NPP
MW-51	8/5/2024	5,518.79	22.06	NPP	17.94	5,500.85	NPP
	4/26/2021	5,515.58	22.03	NPP	14.89	5,500.69	NPP
	8/16/2021	5,515.58	22.03	NPP	14.50	5,501.08	NPP
	12/21/2021	5,515.58	22.03	NPP	15.66	5,499.92	NPP
	4/11/2022	5,515.58	22.03	NPP	15.65	5,499.93	NPP
	8/1/2022	5,515.58	22.03	NPP	14.72	5,500.86	NPP
	4/24/2023	5,515.58	22.11	NPP	16.55	5,499.03	NPP
	8/9/2023	5,515.58	22.11	NPP	16.30	5,499.28	NPP
MW-52	4/16/2024	5,515.58	22.11	NPP	17.11	5,498.47	NPP
	8/5/2024	5,515.58	22.11	NPP	14.79	5,500.79	NPP
	4/26/2021	5,538.63	41.78	NPP	36.44	5,502.19	NPP
	8/16/2021	5,538.63	41.78	NPP	36.46	5,502.17	NPP
	12/21/2021	5,538.63	41.78	NPP	37.16	5,501.47	NPP
	4/11/2022	5,538.63	41.78	NPP	37.40	5,501.23	NPP
	8/1/2022	5,538.63	41.78	NPP	37.20	5,501.43	NPP
	4/24/2023	5,538.63	41.69	NPP	37.72	5,500.91	NPP
MW-53	8/9/2023	5,538.63	41.69	NPP	37.89	5,500.74	NPP
	4/16/2024	5,538.63	41.69	NPP	38.04	5,500.59	NPP
	8/5/2024	5,538.63	41.69	NPP	37.83	5,500.80	NPP
	4/26/2021	5,541.32	43.60	NPP	39.01	5,502.31	NPP
	8/16/2021	5,541.32	43.60	NPP	39.10	5,502.22	NPP
	4/11/2022	5,541.32	43.60	NPP	39.75	5,501.57	NPP
MW-53	8/1/2022	5,541.32	43.60	NPP	39.82	5,501.50	NPP
	4/24/2023	5,541.32	43.51	NPP	39.95	5,501.37	NPP



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Well ID	Date	Measuring Point Elevation (ft AMSL)	Total Well Depth (ft Below TOC)	Depth To Product (ft Below TOC)	Depth To Water (ft Below TOC)	Corrected Groundwater Elevation (ft AMSL)	SPH Thickness (ft)
MW-53	8/9/2023	5,541.32	43.51	NPP	40.06	5,501.26	NPP
	4/16/2024	5,541.32	43.51	NPP	40.23	5,501.09	NPP
	8/5/2024	5,541.32	43.51	NPP	40.17	5,501.15	NPP
MW-54	4/26/2021	5,530.08	41.22	31.95	32.27	5,498.07	0.32
	8/16/2021	5,530.08	41.22	32.19	32.20	5,497.89	0.01
	4/11/2022	5,530.08	41.22	NPP	32.02	5,498.06	NPP
	8/1/2022	5,530.08	41.22	NPP	32.41	5,497.67	NPP
	4/24/2023	5,530.08	38.00	NPP	31.74	5,498.34	NPP
	8/9/2023	5,530.08	38.00	NPP	32.08	5,498.00	NPP
	4/16/2024	5,530.08	38.00	NPP	32.63	5,497.45	NPP
	8/5/2024	5,530.08	38.00	NPP	32.38	5,497.70	NPP
MW-55	4/26/2021	5,519.84	26.00	21.75	22.00	5,498.04	0.25
	8/16/2021	5,519.84	26.00	21.78	21.83	5,498.05	0.05
	12/21/2021	5,519.84	26.00	21.92	21.96	5,497.91	0.04
	4/11/2022	5,519.84	26.00	21.85	21.88	5,497.98	0.03
	8/1/2022	5,519.84	26.00	21.90	21.96	5,497.93	0.06
	4/24/2023	5,519.84	24.17	21.80	21.82	5,498.04	0.02
	8/9/2023	5,519.84	24.17	21.82	21.84	5,498.02	0.02
	4/16/2024	5,519.84	24.17	21.97	22.08	5,497.85	0.11
8/5/2024	5,519.84	24.17	21.83	21.88	5,498.00	0.05	
MW-56	4/26/2021	5,519.31	23.62	NPP	18.19	5,501.12	NPP
	8/16/2021	5,519.31	23.62	NPP	18.20	5,501.11	NPP
	4/11/2022	5,519.31	23.62	18.61	18.68	5,500.69	0.07
	8/1/2022	5,519.31	23.62	18.43	18.63	5,500.84	0.20
	4/24/2023	5,519.31	21.79	18.59	19.40	5,500.56	0.81
	8/9/2023	5,519.31	21.79	18.70	19.54	5,500.44	0.84
	4/16/2024	5,519.31	21.79	18.99	19.46	5,500.23	0.47
8/5/2024	5,519.31	21.79	17.60	17.71	5,501.69	0.11	
MW-57	4/26/2021	5,521.17	24.00	19.15	19.59	5,501.93	0.44
	8/16/2021	5,521.17	24.00	19.63	19.69	5,501.53	0.06
	4/11/2022	5,521.17	24.00	19.88	20.80	5,501.11	0.92
	8/1/2022	5,521.17	24.00	19.78	20.50	5,501.25	0.72
	4/24/2023	5,521.17	21.01	19.98	20.79	5,501.03	0.81
	8/9/2023	5,521.17	21.01	20.08	20.88	5,500.93	0.80
	4/16/2024	5,521.17	21.01	20.30	21.12	5,500.71	0.82
8/5/2024	5,521.17	21.01	NPP	19.07	5,502.10	NPP	
MW-58	4/26/2021	5,520.29	27.35	21.18	21.20	5,499.11	0.02
	8/16/2021	5,520.29	27.35	21.10	21.15	5,499.18	0.05
	4/11/2022	5,520.29	27.35	21.33	21.35	5,498.96	0.02
	8/1/2022	5,520.29	27.35	NPP	21.21	5,499.08	NPP
	4/24/2023	5,520.29	25.27	21.19	21.91	5,498.96	0.72
	8/9/2023	5,520.29	25.27	21.98	22.69	5,498.17	0.71
	4/16/2023	5,520.29	25.27	21.53	22.36	5,498.59	0.83
8/5/2024	5,520.29	25.27	20.96	21.44	5,499.23	0.48	
MW-59	4/26/2021	5,545.20	46.94	NPP	43.66	5,501.54	NPP
	8/16/2021	5,545.20	46.94	NPP	43.76	5,501.44	NPP
	4/11/2022	5,545.20	46.94	NPP	44.00	5,501.20	NPP
	8/1/2022	5,545.20	46.94	NPP	44.52	5,500.68	NPP
	4/24/2023	5,545.20	46.86	NPP	44.05	5,501.15	NPP



<b>TABLE 1</b> <b>FLUID LEVELS</b> Bloomfield Terminal 2024 Annual Report Western Refining Southwest LLC San Juan County, New Mexico								
Well ID	Date	Measuring Point Elevation (ft AMSL)	Total Well Depth (ft Below TOC)	Depth To Product (ft Below TOC)	Depth To Water (ft Below TOC)	Corrected Groundwater Elevation (ft AMSL)	SPH Thickness (ft)	
MW-59	8/9/2023	5,545.20	46.86	NPP	44.03	5,501.17	NPP	
	4/16/2024	5,545.20	46.86	NPP	44.12	5,501.08	NPP	
	8/6/2024	5,545.20	46.86	NPP	44.22	5,500.98	NPP	
MW-60	4/26/2021	5,543.71	43.47	NPP	43.45	5,500.26	NPP	
	8/16/2021	5,543.71	43.47	NPP	42.88	5,500.83	NPP	
	4/11/2022	5,543.71	43.47	NPP	42.88	5,500.83	NPP	
	8/2/2022	5,543.71	43.47	NPP	42.89	5,500.82	NPP	
	4/24/2023	5,543.71	43.36	NPP	43.01	5,500.70	NPP	
	8/9/2023	Could Not Locate						
	4/16/2024	Could Not Locate						
	8/5/2024	Could Not Locate						
MW-61	4/26/2021	5,539.41	41.06	NPP	41.06	5,498.35	NPP	
	8/16/2021	5,539.41	41.06	NPP	41.19	5,498.22	NPP	
	4/11/2022	Well Not Accessible						
	8/1/2022	Well Not Accessible						
	4/24/2023	5,539.41	40.49	NPP	37.14	5,502.27	NPP	
	8/9/2023	Well Filled in with Dirt						
	4/16/2024	Well Filled in with Dirt						
MW-62	4/26/2021	5,561.32	61.38	NPP	56.27	5,505.05	NPP	
	8/16/2021	5,561.32	61.38	NPP	56.48	5,504.84	NPP	
	8/4/2022	5,561.32	61.38	NPP	56.76	5,504.56	NPP	
	4/24/2023	5,561.32	61.25	NPP	57.11	5,504.21	NPP	
	8/9/2023	5,561.32	61.25	NPP	56.80	5,504.52	NPP	
	4/16/2024	5,561.32	61.25	NPP	56.90	5,504.42	NPP	
	8/14/2024	5,561.32	61.25	NPP	56.95	5,504.37	NPP	
MW-63	4/26/2021	5,547.26	47.89	NPP	45.06	5,502.20	NPP	
	8/16/2021	5,547.26	47.89	NPP	45.21	5,502.05	NPP	
	4/11/2022	5,547.26	47.89	NPP	45.48	5,501.78	NPP	
	8/2/2022	5,547.26	47.89	NPP	45.61	5,501.65	NPP	
	4/24/2023	5,547.26	47.80	NPP	45.50	5,501.76	NPP	
	8/9/2023	5,547.26	47.80	NPP	45.48	5,501.78	NPP	
	4/16/2024	5,547.26	47.80	NPP	45.60	5,501.66	NPP	
	8/6/2024	5,547.26	47.80	NPP	45.66	5,501.60	NPP	
MW-64	4/26/2021	5,552.29	52.41	NPP	50.23	5,502.06	NPP	
	8/16/2021	5,552.29	52.41	NPP	50.46	5,501.83	NPP	
	4/11/2022	5,552.29	52.41	NPP	50.05	5,502.24	NPP	
	8/2/2022	5,552.29	52.41	NPP	50.60	5,501.69	NPP	
	4/24/2023	5,552.29	52.33	NPP	50.54	5,501.75	NPP	
	8/9/2023	5,552.29	52.33	NPP	50.48	5,501.81	NPP	
	4/16/2024	5,552.29	52.33	NPP	50.57	5,501.72	NPP	
MW-65	8/6/2024	5,552.29	52.33	NPP	50.63	5,501.66	NPP	
	4/26/2021	Could Not Locate						
	8/16/2021	Could Not Locate						
	4/11/2022	Could Not Locate						
	8/2/2022	Could Not Locate						
	4/24/2023	5,539.62	44.22	NPP	41.71	5,497.91	NPP	
8/9/2023	5,539.62	44.22	NPP	41.73	5,497.89	NPP		



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Well ID	Date	Measuring Point Elevation (ft AMSL)	Total Well Depth (ft Below TOC)	Depth To Product (ft Below TOC)	Depth To Water (ft Below TOC)	Corrected Groundwater Elevation (ft AMSL)	SPH Thickness (ft)
MW-65	4/16/2024	5,539.62	44.22	NPP	41.88	5,497.74	NPP
	8/6/2024	5,539.62	44.22	NPP	41.89	5,497.73	NPP
MW-66	4/26/2021	5,544.62	45.58	NPP	41.84	5,502.78	NPP
	8/16/2021	5,544.62	45.58	42.01	42.05	5,502.60	0.04
	4/11/2022	5,544.62	45.58	NPP	42.35	5,502.27	NPP
	8/2/2022	5,544.62	45.58	42.41	43.00	5,502.09	0.59
	4/24/2023	5,544.62	45.49	42.31	42.66	5,502.24	0.35
	8/9/2023	5,544.62	45.49	42.33	42.60	5,502.24	0.27
	4/16/2024	5,544.62	45.49	42.49	42.83	5,502.06	0.34
	8/6/2024	5,544.62	45.49	42.55	42.89	5,502.00	0.34
MW-67	4/26/2021	5,523.21	26.12	NPP	21.51	5,501.70	NPP
	8/16/2021	5,523.21	26.12	NPP	21.31	5,501.90	NPP
	4/11/2022	5,523.21	26.12	NPP	22.76	5,500.45	NPP
	8/1/2022	5,523.21	26.12	NPP	21.80	5,501.41	NPP
	4/24/2023	5,523.21	26.22	NPP	23.44	5,499.77	NPP
	8/9/2023	5,523.21	26.22	NPP	23.00	5,500.21	NPP
	4/16/2024	5,523.21	26.22	NPP	23.98	5,499.23	NPP
MW-68	8/5/2024	5,523.21	26.22	NPP	21.96	5,501.25	NPP
	4/26/2021	5,517.37	21.14	NPP	17.00	5,500.37	NPP
	8/16/2021	5,517.37	21.14	NPP	16.72	5,500.65	NPP
	12/21/2021	5,517.37	21.14	NPP	17.68	5,499.69	NPP
	4/11/2022	5,517.37	21.14	NPP	17.80	5,499.57	NPP
	8/1/2022	5,517.37	21.14	NPP	17.18	5,500.19	NPP
	4/24/2023	5,517.37	21.08	NPP	18.31	5,499.06	NPP
	8/9/2023	5,517.37	21.08	NPP	18.38	5,498.99	NPP
MW-69	4/16/2024	5,517.37	21.08	NPP	18.61	5,498.76	NPP
	8/5/2024	5,517.37	21.08	NPP	16.53	5,500.84	NPP
	4/26/2021	5,508.51	12.06	NPP	11.91	5,496.60	NPP
	8/17/2021	5,508.51	12.06	NPP	11.88	5,496.63	NPP
	4/11/2022	5,508.51	12.06	NPP	NWP	NWP	NPP
	8/1/2022	5,508.51	12.06	NPP	NWP	NWP	NPP
	4/24/2023	5,508.51	12.01	NPP	NWP	NWP	NPP
	8/9/2023	5,508.51	12.01	NPP	NWP	NWP	NPP
MW-70	4/16/2024	5,508.51	12.01	NPP	NWP	NWP	NPP
	8/5/2024	5,508.51	12.01	NPP	NWP	NWP	NPP
	4/26/2021	5,527.96	28.75	NPP	25.66	5,502.30	NPP
	8/16/2021	5,527.96	28.75	NPP	26.33	5,501.63	NPP
	4/11/2022	5,527.96	28.75	NPP	27.75	5,500.21	NPP
	8/1/2022	5,527.96	28.75	NPP	26.65	5,501.31	NPP
	4/24/2023	5,527.96	28.91	NPP	27.09	5,500.87	NPP
	8/9/2023	5,527.96	28.91	NPP	27.12	5,500.84	NPP
MW-71	4/16/2024	5,527.96	28.91	NPP	27.36	5,500.60	NPP
	8/5/2024	5,527.96	28.91	NPP	26.78	5,501.18	NPP
	4/26/2021	5,529.08	38.09	29.65	30.10	5,499.34	0.45
	8/16/2021	5,529.08	38.09	30.11	30.29	5,498.93	0.18
	4/11/2022	5,529.08	38.09	32.06	33.01	5,496.83	0.95
	8/1/2022	5,529.08	38.09	30.33	30.42	5,498.73	0.09
MW-71	4/24/2023	5,529.08	37.96	NPP	30.08	5,499.00	NPP
	8/9/2023	5,529.08	37.96	NPP	30.01	5,499.07	NPP



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Well ID	Date	Measuring Point Elevation (ft AMSL)	Total Well Depth (ft Below TOC)	Depth To Product (ft Below TOC)	Depth To Water (ft Below TOC)	Corrected Groundwater Elevation (ft AMSL)	SPH Thickness (ft)
MW-71	4/16/2024	5,529.08	37.96	30.50	30.55	5,498.57	0.05
	8/5/2024	5,529.08	37.96	NPP	30.25	5,498.83	NPP
MW-72	4/26/2021	5,528.54	34.90	NPP	29.67	5,498.87	NPP
	8/16/2021	5,528.54	34.90	28.81	28.90	5,499.71	0.09
	4/11/2022	5,528.54	34.90	28.88	28.96	5,499.64	0.08
	8/1/2022	5,528.54	34.90	28.98	29.05	5,499.55	0.07
	4/24/2023	5,528.54	34.92	28.74	28.81	5,499.79	0.07
	8/9/2023	5,528.54	34.92	28.69	28.74	5,499.84	0.05
	4/16/2024	5,528.54	34.92	29.21	29.23	5,499.33	0.02
	8/5/2024	5,528.54	34.92	28.78	28.81	5,499.75	0.03
MW-73	4/26/2021	5,528.92	36.83	NPP	29.67	5,499.25	NPP
	8/16/2021	5,528.92	36.83	NPP	29.73	5,499.19	NPP
	4/11/2022	5,528.92	36.83	NPP	29.82	5,499.10	NPP
	8/1/2022	5,528.92	36.83	NPP	29.97	5,498.95	NPP
	4/24/2023	5,528.92	36.75	NPP	29.73	5,499.19	NPP
	8/9/2023	5,528.92	36.75	NPP	29.60	5,499.32	NPP
	4/15/2024	5,528.92	36.75	NPP	30.16	5,498.76	NPP
MW-74	8/5/2024	5,528.92	36.75	NPP	29.89	5,499.03	NPP
	4/26/2021	5,528.92	33.95	NPP	29.02	5,499.90	NPP
	8/16/2021	5,528.92	33.95	NPP	28.98	5,499.94	NPP
	4/11/2022	5,528.92	33.95	NPP	29.22	5,499.70	NPP
	8/1/2022	5,528.92	33.95	NPP	29.31	5,499.61	NPP
	4/24/2023	5,528.92	33.91	NPP	29.10	5,499.82	NPP
	8/9/2023	5,528.92	33.91	NPP	29.01	5,499.91	NPP
	4/16/2024	5,528.92	33.91	29.38	29.92	5,499.43	0.54
MW-75	8/5/2024	5,528.92	33.91	29.00	29.43	5,499.83	0.43
	4/29/2021	5,528.76	32.28	28.05	28.55	5,500.61	0.50
	8/16/2021	5,528.76	32.28	NPP	28.61	5,500.15	NPP
	4/11/2022	5,528.76	32.38	NPP	28.84	5,499.92	NPP
	8/1/2022	5,528.76	32.38	NPP	28.91	5,499.85	NPP
	4/24/2023	5,528.76	32.15	NPP	28.72	5,500.04	NPP
	8/9/2023	5,528.76	32.15	NPP	28.74	5,500.02	NPP
	4/16/2024	5,528.76	32.15	29.00	29.59	5,499.64	0.59
MW-76	8/5/2024	5,528.76	32.15	28.62	29.11	5,500.04	0.49
	4/29/2021	5,528.61	34.13	NPP	28.93	5,499.68	NPP
	8/16/2021	5,528.61	34.14	NPP	29.02	5,499.59	NPP
	4/11/2022	5,528.61	34.14	NPP	29.12	5,499.49	NPP
	8/1/2022	5,528.61	34.14	NPP	29.12	5,499.49	NPP
	4/24/2023	5,528.61	34.09	NPP	28.86	5,499.75	NPP
	8/9/2023	5,528.61	34.09	NPP	28.85	5,499.76	NPP
	4/16/2024	5,528.61	34.09	29.76	30.08	5,498.79	0.32
MW-77	8/5/2024	5,528.61	34.09	29.05	29.11	5,499.55	0.06
	4/29/2021	5,527.59	34.40	28.69	29.38	5,498.76	0.69
	8/16/2021	5,527.59	34.40	28.87	29.21	5,498.65	0.34
	4/11/2022	5,527.59	34.40	28.63	29.21	5,498.84	0.58
	8/1/2022	5,527.59	34.40	29.05	29.69	5,498.41	0.64
	4/24/2023	5,527.59	34.30	NPP	28.61	5,498.98	NPP
8/9/2023	5,527.59	34.30	28.55	29.10	5,498.93	0.55	





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Well ID	Date	Measuring Point Elevation (ft AMSL)	Total Well Depth (ft Below TOC)	Depth To Product (ft Below TOC)	Depth To Water (ft Below TOC)	Corrected Groundwater Elevation (ft AMSL)	SPH Thickness (ft)	
MW-77	4/16/2024	5,527.59	34.30	29.18	29.80	5,498.29	0.62	
	8/5/2024	5,527.59	34.30	28.91	29.47	5,498.57	0.56	
MW-78	4/24/2023	NM	37.50	NPP	33.60	NM	NPP	
	8/9/2023	NM	37.50	NPP	33.71	NM	NPP	
	4/16/2024	NM	37.50	NPP	NWP	NWP	NPP	
P-03	8/5/2024	NM	34.20	NPP	33.58	NM	NPP	
	4/27/2021	5,510.77	22.81	NPP	12.03	5,498.74	NPP	
	8/16/2021	5,510.77	22.81	NPP	11.97	5,498.80	NPP	
	4/11/2022	Well Not Accessible						
	8/2/2022	5,510.77	22.81	NPP	10.56	5,500.21	NPP	
	4/24/2023	5,510.77	22.73	NPP	11.53	5,499.24	NPP	
	8/9/2023	5,510.77	22.73	NPP	11.62	5,499.15	NPP	
MW BCK1	4/16/2024	5,510.77	22.73	NPP	12.44	5,498.33	NPP	
	8/6/2024	5,510.77	22.73	11.72	11.73	5,499.05	0.01	
	4/28/2021	5,517.80	80.65	NPP	77.39	5,440.41	NPP	
	8/16/2021	5,517.80	80.65	NPP	77.42	5,440.38	NPP	
	4/11/2022	5,517.80	80.65	NPP	77.44	5,440.36	NPP	
	8/2/2022	5,517.80	80.65	NPP	77.44	5,440.36	NPP	
	4/24/2023	5,517.80	80.54	NPP	78.41	5,439.39	NPP	
	8/9/2023	5,517.80	80.54	NPP	78.48	5,439.32	NPP	
MW BCK2	4/16/2024	5,517.80	80.54	NPP	78.51	5,439.29	NPP	
	8/6/2024	5,517.80	80.54	NPP	77.89	5,439.91	NPP	
	4/28/2021	5,620.14	46.98	NPP	26.09	5,594.05	NPP	
	8/16/2021	5,620.14	46.98	NPP	26.91	5,593.23	NPP	
	4/11/2022	5,620.14	46.98	NPP	26.20	5,593.94	NPP	
	8/2/2022	5,620.14	46.98	NPP	26.93	5,593.21	NPP	
	4/24/2023	5,620.14	47.93	NPP	28.23	5,591.91	NPP	
RW-1	8/9/2023	5,620.14	47.93	NPP	28.46	5,591.68	NPP	
	4/16/2024	5,620.14	47.93	NPP	28.73	5,591.41	NPP	
	8/6/2024	5,620.14	47.93	NPP	27.71	5,592.43	NPP	
	4/26/2021	5,529.34	40.85	31.15	31.18	5,498.18	0.03	
	8/16/2021	5,529.34	40.85	NPP	30.98	5,498.36	NPP	
	4/11/2022	5,529.34	40.85	NPP	30.95	5,498.39	NPP	
	8/2/2022	5,529.34	40.85	NPP	31.25	5,498.09	NPP	
RW-2	4/24/2023	5,529.34	40.89	NPP	30.62	5,498.72	NPP	
	8/9/2023	5,529.34	40.89	NPP	30.62	5,498.72	NPP	
	4/16/2024	5,529.34	40.89	NPP	31.54	5,497.80	NPP	
	8/5/2024	5,529.34	40.89	NPP	31.24	5,498.10	NPP	
	4/26/2021	5,526.94	35.20	26.49	26.69	5,500.41	0.20	
	8/16/2021	5,526.94	35.20	26.76	27.40	5,500.05	0.64	
	4/11/2022	5,526.94	35.20	26.69	27.42	5,500.10	0.73	
RW-2	8/1/2022	5,526.94	35.20	26.83	27.50	5,499.98	0.67	
	4/24/2023	5,526.94	31.28	NPP	27.14	5,499.80	NPP	
	8/9/2023	5,526.94	31.28	26.80	27.30	5,500.04	0.50	
	4/16/2024	5,526.94	31.28	27.03	28.00	5,499.72	0.97	
	8/5/2024	5,526.94	31.28	26.93	27.43	5,499.91	0.50	



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Well ID	Date	Measuring Point Elevation (ft AMSL)	Total Well Depth (ft Below TOC)	Depth To Product (ft Below TOC)	Depth To Water (ft Below TOC)	Corrected Groundwater Elevation (ft AMSL)	SPH Thickness (ft)	
RW-3	4/26/2021	5,520.35	33.80	NPP	22.24	5,498.11	NPP	
	8/16/2021	5,520.35	33.80	NPP	22.31	5,498.04	NPP	
	4/11/2022	5,520.35	33.80	NPP	21.95	5,498.40	NPP	
	8/1/2022	5,520.35	33.80	NPP	21.98	5,498.37	NPP	
	4/24/2023	5,520.35	33.62	NPP	22.34	5,498.01	NPP	
	8/9/2023	5,520.35	33.62	NPP	21.98	5,498.37	NPP	
	4/16/2024	5,520.35	33.62	NPP	22.40	5,497.95	NPP	
	8/6/2024	5,520.35	33.62	NPP	22.20	5,498.15	NPP	
P-2/RW-4	4/26/2021	5,523.86	38.10	26.61	27.01	5,497.17	0.40	
	8/16/2021	5,523.86	38.10	27.09	27.55	5,496.68	0.46	
	4/11/2022	5,523.86	38.10	27.08	27.65	5,496.67	0.57	
	8/1/2022	5,523.86	38.10	27.11	27.69	5,496.63	0.58	
	4/24/2023	Not On Plan						
	8/9/2023	Not On Plan						
	4/16/2024	5,523.86	38.10	27.37	28.15	5,496.33	0.78	
	8/5/2024	5,523.86	38.10	27.20	27.25	5,496.65	0.05	
RW-9	4/26/2021	5,523.21	33.90	24.37	24.77	5,498.76	0.40	
	8/16/2021	5,523.21	33.90	NPP	24.79	5,498.42	NPP	
	4/11/2022	5,523.21	33.90	NPP	24.80	5,498.41	NPP	
	8/2/2022	5,523.21	33.90	NPP	24.88	5,498.33	NPP	
	4/24/2023	5,523.21	31.95	NPP	24.78	5,498.43	NPP	
	8/9/2023	5,523.21	31.95	NPP	24.73	5,498.48	NPP	
	4/16/2024	5,523.21	31.95	NPP	24.82	5,498.39	NPP	
	8/5/2024	5,523.21	31.95	NPP	24.78	5,498.43	NPP	
RW-14	4/26/2021	5,537.50	41.85	NPP	35.49	5,502.01	NPP	
	8/16/2021	5,537.50	41.85	NPP	35.29	5,502.21	NPP	
	4/11/2022	5,537.50	41.85	36.20	36.25	5,501.29	0.05	
	8/1/2022	5,537.50	41.85	35.96	36.00	5,501.53	0.04	
	4/24/2023	5,537.50	42.06	36.44	36.51	5,501.05	0.07	
	8/9/2023	5,537.50	42.06	36.32	37.36	5,500.97	1.04	
	4/16/2024	5,537.50	42.06	36.44	37.68	5,500.81	1.24	
	8/5/2024	5,537.50	42.06	36.18	37.16	5,501.12	0.98	
RW-15	4/26/2021	5,536.83	42.10	NPP	35.19	5,501.64	NPP	
	8/16/2021	5,536.83	42.10	NPP	35.18	5,501.65	NPP	
	4/11/2022	5,536.83	42.10	35.93	35.97	5,500.89	0.04	
	8/1/2022	5,536.83	42.10	35.60	35.75	5,501.20	0.15	
	4/24/2023	5,536.83	38.49	36.05	36.22	5,500.75	0.17	
	8/9/2023	5,536.83	38.49	36.02	36.65	5,500.68	0.63	
	4/16/2024	5,536.83	38.49	36.23	36.60	5,500.53	0.37	
	8/5/2024	5,536.83	38.49	35.80	36.23	5,500.94	0.43	
RW-16	4/26/2021	5,535.45	43.15	34.01	34.36	5,501.37	0.35	
	8/16/2021	5,535.45	43.15	34.45	35.50	5,500.79	1.05	
	4/11/2022	5,535.45	43.15	34.81	35.91	5,500.42	1.10	
	8/1/2022	5,535.45	43.15	34.71	34.82	5,500.72	0.11	
	4/24/2023	5,535.45	43.12	34.71	35.30	5,500.62	0.59	
	8/9/2023	5,535.45	43.12	34.78	35.38	5,500.55	0.60	
	4/16/2024	5,535.45	43.12	35.03	35.50	5,500.33	0.47	
	8/5/2024	5,535.45	43.12	34.98	35.38	5,500.39	0.40	



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Well ID	Date	Measuring Point Elevation (ft AMSL)	Total Well Depth (ft Below TOC)	Depth To Product (ft Below TOC)	Depth To Water (ft Below TOC)	Corrected Groundwater Elevation (ft AMSL)	SPH Thickness (ft)	
RW-17	4/26/2021	5,533.84	39.95	NPP	33.23	5,500.61	NPP	
	8/16/2021	5,533.84	39.95	NPP	33.32	5,500.52	NPP	
	4/11/2022	5,533.84	39.95	NPP	33.53	5,500.31	NPP	
	8/1/2022	5,533.84	39.95	NPP	33.60	5,500.24	NPP	
	4/24/2023	5,533.84	34.95	NPP	33.41	5,500.43	NPP	
	8/9/2023	5,533.84	34.95	NPP	33.48	5,500.36	NPP	
	4/16/2024	5,533.84	34.95	NPP	33.78	5,500.06	NPP	
	8/5/2024	5,533.84	34.95	NPP	33.57	5,500.27	NPP	
RW-18	4/26/2021	5,529.38	37.85	29.74	29.99	5,499.59	0.25	
	8/16/2021	5,529.38	37.85	30.08	30.11	5,499.29	0.03	
	4/11/2022	Well Not Accessible						
	8/1/2022	Well Not Accessible						
	4/24/2023	5,529.38	34.71	30.20	30.22	5,499.18	0.02	
	8/9/2023	5,529.38	34.71	30.19	30.25	5,499.18	0.06	
	4/16/2024	Well Not Accessible						
	8/5/2024	Well Not Accessible						
RW-19	4/26/2021	5,530.51	35.20	NPP	31.00	5,499.51	NPP	
	8/16/2021	5,530.51	35.20	30.45	30.50	5,500.05	0.05	
	4/11/2022	5,530.51	35.20	30.32	31.75	5,499.90	1.43	
	8/1/2022	5,530.51	35.20	NPP	29.85	5,500.66	NPP	
	4/24/2023	5,530.51	32.71	30.35	30.66	5,500.10	0.31	
	8/9/2023	5,530.51	32.71	30.37	30.65	5,500.08	0.28	
	4/16/2024	5,530.51	32.71	30.60	32.28	5,499.57	1.68	
	8/5/2024	5,530.51	32.71	NPP	31.65	5,498.86	NPP	
RW-22	4/26/2021	5,524.44	35.40	25.35	25.70	5,499.02	0.35	
	8/16/2021	5,524.44	35.40	25.68	25.80	5,498.74	0.35	
	4/11/2022	5,524.44	35.40	NPP	25.75	5,498.69	NPP	
	8/1/2022	5,524.44	35.40	25.84	25.94	5,498.58	0.10	
	4/24/2023	5,524.44	35.41	25.64	25.78	5,498.77	0.14	
	8/9/2023	5,524.44	35.41	25.56	25.65	5,498.86	0.09	
	4/16/2024	5,524.44	35.41	25.58	25.63	5,498.85	0.05	
	8/5/2024	5,524.44	35.41	NPP	29.78	5,494.66	NPP	
RW-23	4/26/2021	5,521.38	35.60	NPP	23.36	5,498.02	NPP	
	8/16/2021	5,521.38	35.60	NPP	23.35	5,498.03	NPP	
	4/11/2022	5,521.38	35.60	NPP	23.35	5,498.03	NPP	
	8/2/2022	5,521.38	35.60	NPP	23.26	5,498.12	NPP	
	4/24/2023	5,521.38	35.35	NPP	23.31	5,498.07	NPP	
	8/9/2023	5,521.38	35.35	NPP	23.26	5,498.12	NPP	
	4/16/2024	5,521.38	35.35	NPP	23.48	5,497.90	NPP	
	8/5/2024	5,521.38	35.35	NPP	23.26	5,498.12	NPP	
RW-28	4/26/2021	5,527.93	37.10	29.05	29.25	5,498.84	0.20	
	8/16/2021	5,527.93	37.10	29.30	29.48	5,498.59	0.18	
	4/11/2022	5,527.93	37.10	29.35	29.66	5,498.52	0.31	
	8/1/2022	5,527.93	37.10	29.45	30.27	5,498.32	0.82	
	4/24/2023	5,527.93	37.09	29.21	29.79	5,498.60	0.58	
	8/9/2023	5,527.93	37.09	29.08	30.17	5,498.63	1.09	
	4/16/2024	5,527.93	37.09	29.49	30.83	5,498.17	1.34	
	8/5/2024	5,527.93	37.09	29.38	29.88	5,498.45	0.50	



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Well ID	Date	Measuring Point Elevation (ft AMSL)	Total Well Depth (ft Below TOC)	Depth To Product (ft Below TOC)	Depth To Water (ft Below TOC)	Corrected Groundwater Elevation (ft AMSL)	SPH Thickness (ft)
RW-42	4/26/2021	5,527.48	32.15	NPP	27.17	5,500.31	NPP
	8/16/2021	Pump Running in Well - Unable to Gauge					
	4/11/2022	5,527.48	32.15	NPP	27.49	5,499.99	NPP
	8/1/2022	Pump Running in Well - Unable to Gauge					
	4/24/2023	5,527.48	31.95	27.36	27.46	5,500.10	0.10
	8/9/2023	5,527.48	31.95	27.43	27.53	5,500.03	0.10
	4/16/2024	5,527.48	31.95	27.59	28.68	5,499.67	1.09
RW-43	8/5/2024	5,527.48	31.95	27.44	27.73	5,499.98	0.29
	4/26/2021	5,520.02	24.25	21.15	21.56	5,498.79	0.41
	8/16/2021	Not Gauged					
	4/11/2022	5,520.02	24.25	26.80	27.47	5,493.09	0.67
	8/16/2022	5,520.02	24.25	20.80	21.35	5,499.11	0.55
	4/24/2023	5,520.02	24.17	20.87	21.50	5,499.02	0.63
	8/9/2023	5,520.02	24.17	20.90	21.57	5,498.99	0.67
OW 0+60	4/16/2024	5,520.02	24.17	21.18	21.94	5,498.69	0.76
	8/5/2024	5,520.02	24.17	20.36	20.56	5,499.62	0.20
	4/27/2021	5,506.62	12.34	NPP	12.34	5,494.28	NPP
	8/16/2021	5,506.62	12.34	NPP	12.11	5,494.51	NPP
	4/11/2022	5,506.62	12.34	NPP	11.93	5,494.69	NPP
	8/1/2022	5,506.62	12.34	NPP	11.22	5,495.40	NPP
	4/24/2023	5,506.62	12.27	NPP	11.76	5,494.86	NPP
OW 1+50	8/9/2023	5,506.62	12.27	NPP	12.07	5,494.55	NPP
	4/15/2024	5,506.62	12.27	NPP	NWP	NWP	NPP
	8/5/2024	5,506.62	12.27	NPP	12.08	5,494.54	NPP
	4/27/2021	5,508.03	14.42	NPP	14.42	5,493.61	NPP
	8/16/2021	5,508.03	14.42	NPP	14.39	5,493.64	NPP
	4/11/2022	5,508.03	14.42	NPP	14.21	5,493.82	NPP
	8/1/2022	5,508.03	14.42	NPP	13.35	5,494.68	NPP
OW 3+85	4/24/2023	5,508.03	14.42	NPP	13.94	5,494.09	NPP
	8/9/2023	5,508.03	14.42	NPP	14.32	5,493.71	NPP
	4/16/2024	5,508.03	14.42	NPP	NWP	NWP	NPP
	8/5/2024	5,508.03	14.42	NPP	NWP	NWP	NPP
	4/27/2021	5,507.31	15.22	NPP	14.14	5,493.17	NPP
	8/17/2021	5,507.31	15.22	NPP	14.35	5,492.96	NPP
	4/11/2022	5,507.31	15.22	NPP	13.80	5,493.51	NPP
OW 5+50	8/1/2022	5,507.31	15.22	NPP	13.34	5,493.97	NPP
	4/24/2023	5,507.31	15.08	NPP	13.48	5,493.83	NPP
	8/9/2023	5,507.31	15.08	NPP	13.73	5,493.58	NPP
	4/16/2024	5,507.31	15.08	NPP	14.21	5,493.10	NPP
	8/5/2024	5,507.31	15.08	NPP	14.07	5,493.24	NPP
	4/27/2021	5,507.59	13.85	NPP	13.85	5,493.74	NPP
	8/17/2021	5,507.59	13.85	NPP	NWP	NWP	NPP
OW 5+50	4/11/2022	5,507.59	13.85	NPP	NWP	NWP	NPP
	8/1/2022	5,507.59	13.85	NPP	NWP	NWP	NPP
	4/24/2023	5,507.59	13.76	NPP	13.69	5,493.90	NPP
	8/9/2023	5,507.59	13.76	NPP	13.52	5,494.07	NPP
	4/16/2024	5,507.59	13.76	NPP	NWP	NWP	NPP
	8/5/2024	5,507.59	13.76	NPP	13.56	5,494.03	NPP



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Well ID	Date	Measuring Point Elevation (ft AMSL)	Total Well Depth (ft Below TOC)	Depth To Product (ft Below TOC)	Depth To Water (ft Below TOC)	Corrected Groundwater Elevation (ft AMSL)	SPH Thickness (ft)	
OW 6+70	4/27/2021	5,504.78	16.55	NPP	16.55	5,488.23	NPP	
	8/17/2021	5,504.78	16.55	NPP	NWP	NWP	NPP	
	4/11/2022	5,504.78	16.55	NPP	16.55	5,488.23	NPP	
	8/1/2022	5,504.78	16.55	NPP	NWP	NWP	NPP	
	4/24/2023	5,504.78	16.50	NPP	NWP	NWP	NPP	
	8/9/2023	5,504.78	16.50	NPP	NWP	NWP	NPP	
	4/16/2024	5,504.78	16.50	NPP	NWP	NWP	NPP	
8/5/2024	5,504.78	16.50	NPP	NWP	NWP	NPP		
OW 8+10	4/27/2021	5,506.53	16.10	NPP	15.66	5,490.87	NPP	
	8/17/2021	5,506.53	16.10	NPP	NWP	NWP	NPP	
	4/11/2022	5,506.53	16.10	NPP	NWP	NWP	NPP	
	8/1/2022	5,506.53	16.10	NPP	NWP	NWP	NPP	
	4/24/2023	5,506.53	16.10	NPP	14.97	5,491.56	NPP	
	8/9/2023	Unable to Access - Locked						
	4/16/2024	5,506.53	16.10	NPP	NWP	NWP	NPP	
8/5/2024	5,506.53	16.52	NPP	14.36	5,492.17	NPP		
OW 11+15	4/27/2021	5,506.70	16.75	NPP	12.76	5,493.94	NPP	
	8/17/2021	5,506.70	16.75	NPP	12.67	5,494.03	NPP	
	4/11/2022	5,506.70	16.75	NPP	12.71	5,493.99	NPP	
	8/1/2022	5,506.70	16.75	NPP	12.71	5,493.99	NPP	
	4/24/2023	5,506.70	16.60	NPP	12.73	5,493.97	NPP	
	8/9/2023	5,506.70	16.60	NPP	12.64	5,494.06	NPP	
	4/16/2024	5,506.70	16.60	NPP	12.92	5,493.78	NPP	
8/5/2024	5,506.70	16.60	NPP	12.74	5,493.96	NPP		
OW 14+10	4/27/2021	5,508.14	13.07	NPP	13.07	5,495.07	NPP	
	8/17/2021	5,508.14	13.07	NPP	NWP	NWP	NPP	
	4/11/2022	5,508.14	13.07	NPP	NWP	NWP	NPP	
	8/1/2022	5,508.14	13.07	NPP	NWP	NWP	NPP	
	4/24/2023	5,508.14	13.07	NPP	NWP	NWP	NPP	
	8/9/2023	5,508.14	13.07	NPP	NWP	NWP	NPP	
	4/16/2024	5,508.14	13.07	NPP	NWP	NWP	NPP	
8/5/2024	5,508.14	13.07	NPP	NWP	NWP	NPP		
OW 16+60	4/27/2021	5,508.43	15.31	NPP	13.29	5,495.14	NPP	
	8/17/2021	5,508.43	15.31	NPP	13.26	5,495.17	NPP	
	4/11/2022	5,508.43	15.31	NPP	13.36	5,495.07	NPP	
	8/1/2022	5,508.43	15.31	NPP	13.17	5,495.26	NPP	
	4/24/2023	5,508.43	15.24	NPP	12.99	5,495.44	NPP	
	8/9/2023	5,508.43	15.24	NPP	13.25	5,495.18	NPP	
	4/16/2024	5,508.43	15.24	NPP	13.34	5,495.09	NPP	
8/5/2024	5,508.43	15.24	NPP	13.19	5,495.24	NPP		
OW 19+50	4/27/2021	5,508.03	13.09	NPP	13.09	5,494.94	NPP	
	8/17/2021	5,508.03	13.09	NPP	NWP	NWP	NPP	
	4/11/2022	5,508.03	13.09	NPP	NWP	NWP	NPP	
	8/1/2022	5,508.03	13.09	NPP	NWP	NWP	NPP	
	4/24/2023	5,508.03	13.00	NPP	12.62	5,495.41	NPP	
	8/9/2023	5,508.03	13.00	NPP	12.62	5,495.41	NPP	
	4/16/2024	5,508.03	13.00	NPP	NWP	NWP	NPP	
8/5/2024	5,508.03	13.00	NPP	NWP	NWP	NPP		



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Well ID	Date	Measuring Point Elevation (ft AMSL)	Total Well Depth (ft Below TOC)	Depth To Product (ft Below TOC)	Depth To Water (ft Below TOC)	Corrected Groundwater Elevation (ft AMSL)	SPH Thickness (ft)
OW 22+00	4/27/2021	5,506.91	14.22	NPP	11.96	5,494.95	NPP
	8/17/2021	5,506.91	14.22	NPP	13.38	5,493.53	NPP
	4/11/2022	5,506.91	14.22	NPP	10.24	5,496.67	NPP
	8/1/2022	5,506.91	14.22	NPP	12.03	5,494.88	NPP
	4/24/2023	5,506.91	14.15	NPP	11.73	5,495.18	NPP
	8/9/2023	5,506.91	14.15	NPP	13.54	5,493.37	NPP
	4/16/2024	5,506.91	14.15	NPP	12.95	5,493.96	NPP
8/5/2024	5,506.91	14.15	NPP	10.45	5,496.46	NPP	
OW 23+10	4/27/2021	5,514.12	18.41	NPP	16.67	5,497.45	NPP
	8/17/2021	5,514.12	18.41	NPP	16.77	5,497.35	NPP
	4/11/2022	5,514.12	18.20	NPP	16.85	5,497.27	NPP
	8/1/2022	5,514.12	18.20	NPP	16.68	5,497.44	NPP
	4/24/2023	5,514.12	18.34	NPP	16.94	5,497.18	NPP
	8/9/2023	5,514.12	18.34	NPP	17.07	5,497.05	NPP
	4/16/2024	5,514.12	18.34	NPP	17.02	5,497.10	NPP
8/5/2024	5,514.12	18.34	NPP	14.41	5,499.71	NPP	
OW 23+90	4/27/2021	5,515.18	18.12	NPP	18.12	5,497.06	NPP
	8/17/2021	5,515.18	18.12	NPP	17.61	5,497.57	NPP
	4/11/2022	5,515.18	18.12	NPP	NWP	NWP	NPP
	8/1/2022	5,515.18	18.12	NPP	NWP	NWP	NPP
	4/24/2023	5,515.18	18.07	NPP	17.85	5,497.33	NPP
	8/9/2023	5,515.18	18.07	NPP	17.91	5,497.27	NPP
	4/16/2024	5,515.18	18.07	NPP	NWP	NWP	NPP
8/5/2024	5,515.18	18.07	NPP	14.92	5,500.26	NPP	
OW 25+70	4/27/2021	5,509.00	14.04	NPP	11.10	5,497.90	NPP
	8/17/2021	5,509.00	14.04	NPP	11.22	5,497.78	NPP
	4/11/2022	5,509.00	14.04	NPP	11.44	5,497.56	NPP
	8/1/2022	5,509.00	14.04	NPP	11.25	5,497.75	NPP
	4/24/2023	5,509.00	13.95	NPP	11.45	5,497.55	NPP
	8/9/2023	5,509.00	13.95	NPP	NWP	NWP	NPP
	4/16/2024	5,509.00	13.95	NPP	11.63	5,497.37	NPP
8/5/2024	5,509.00	13.95	NPP	8.42	5,500.58	NPP	
CW 0+60	4/27/2021	5,506.68	14.15	NPP	8.82	5,497.86	NPP
	8/16/2021	5,506.68	14.15	NPP	8.85	5,497.83	NPP
	4/11/2022	5,506.68	14.15	NPP	8.59	5,498.09	NPP
	8/1/2022	5,506.68	14.15	NPP	8.45	5,498.23	NPP
	4/24/2023	5,506.68	13.39	NPP	8.30	5,498.38	NPP
	8/9/2023	5,506.68	13.39	NPP	8.77	5,497.91	NPP
	4/16/2024	5,506.68	13.39	NPP	9.33	5,497.35	NPP
8/5/2024	5,506.68	13.39	NPP	8.85	5,497.83	NPP	
CW 1+50	4/27/2021	5,505.13	13.42	NPP	7.13	5,498.00	NPP
	8/16/2021	5,505.13	13.42	NPP	7.11	5,498.02	NPP
	4/11/2022	5,505.13	13.42	NPP	6.88	5,498.25	NPP
	8/1/2022	5,505.13	13.42	NPP	7.05	5,498.08	NPP
	4/24/2023	5,505.13	13.39	NPP	6.62	5,498.51	NPP
	8/9/2023	5,505.13	13.39	NPP	6.99	5,498.14	NPP
	4/16/2024	5,505.13	13.39	NPP	7.47	5,497.66	NPP
8/5/2024	5,505.13	13.39	NPP	7.22	5,497.91	NPP	



<b>TABLE 1</b> <b>FLUID LEVELS</b> Bloomfield Terminal 2024 Annual Report Western Refining Southwest LLC San Juan County, New Mexico								
Well ID	Date	Measuring Point Elevation (ft AMSL)	Total Well Depth (ft Below TOC)	Depth To Product (ft Below TOC)	Depth To Water (ft Below TOC)	Corrected Groundwater Elevation (ft AMSL)	SPH Thickness (ft)	
CW 3+85	4/27/2021	5,503.87	13.30	NPP	5.88	5,497.99	NPP	
	8/17/2021	5,503.87	13.30	NPP	5.90	5,497.97	NPP	
	4/11/2022	5,503.87	13.30	NPP	5.70	5,498.17	NPP	
	8/1/2022	5,503.87	13.30	NPP	5.88	5,497.99	NPP	
	4/24/2023	5,503.87	13.24	NPP	5.55	5,498.32	NPP	
	8/9/2023	5,503.87	13.24	NPP	5.73	5,498.14	NPP	
	4/16/2024	5,503.87	13.24	NPP	6.12	5,497.75	NPP	
8/5/2024	5,503.87	13.24	NPP	5.94	5,497.93	NPP		
CW 5+50	4/27/2021	5,503.76	12.31	NPP	6.50	5,497.26	NPP	
	8/17/2021	5,503.76	12.31	NPP	NWP	NWP	NPP	
	4/11/2022	5,503.76	12.31	NPP	6.45	5,497.31	NPP	
	8/1/2022	5,503.76	12.31	NPP	6.44	5,497.32	NPP	
	4/24/2023	5,503.76	12.29	NPP	6.31	5,497.45	NPP	
	8/9/2023	5,503.76	12.29	NPP	6.40	5,497.36	NPP	
	4/16/2024	5,503.76	12.29	NPP	6.83	5,496.93	NPP	
8/5/2024	5,503.76	12.29	NPP	6.48	5,497.28	NPP		
CW 6+70	4/27/2021	5,503.84	6.97	NPP	6.87	5,496.97	NPP	
	8/17/2021	5,503.84	6.97	NPP	NWP	NWP	NPP	
	4/11/2022	5,503.84	6.97	NPP	6.78	5,497.06	NPP	
	8/1/2022	5,503.84	6.97	NPP	7.01	5,496.83	NPP	
	4/24/2023	5,503.84	11.47	NPP	6.69	5,497.15	NPP	
	8/9/2023	5,503.84	11.47	NPP	6.96	5,496.88	NPP	
	4/16/2024	5,503.84	11.47	NPP	NWP	NWP	NPP	
8/5/2024	5,503.84	11.47	NPP	NWP	NWP	NPP		
CW 8+10	4/27/2021	5,504.02	11.42	NPP	8.91	5,495.11	NPP	
	8/17/2021	5,504.02	11.42	NPP	8.05	5,495.97	NPP	
	4/11/2022	5,504.02	11.42	NPP	7.79	5,496.23	NPP	
	8/1/2022	5,504.02	11.42	NPP	7.90	5,496.12	NPP	
	4/24/2023	5,504.02	11.38	NPP	7.61	5,496.41	NPP	
	8/9/2023	5,504.02	11.38	NPP	7.73	5,496.29	NPP	
	4/16/2024	5,504.02	11.38	NPP	7.98	5,496.04	NPP	
8/5/2024	5,504.02	11.38	NPP	7.86	5,496.16	NPP		
CW 8+45	4/27/2021	5,503.80	12.67	8.27	8.67	5,495.45	0.40	
	8/17/2021	5,503.80	12.67	8.18	8.69	5,495.52	0.51	
	4/11/2022	5,503.80	12.67	8.20	8.40	5,495.56	0.20	
	8/1/2022	5,503.80	12.67	8.31	8.32	5,495.49	0.01	
	4/24/2023	5,503.80	12.60	NPP	8.02	5,495.78	NPP	
	8/9/2023	5,503.80	12.60	NPP	8.28	5,495.52	NPP	
	4/16/2024	5,503.80	12.60	8.31	8.40	5,495.47	0.09	
8/5/2024	5,503.80	12.60	8.21	8.33	5,495.57	0.12		
CW 11+15	4/27/2021	5,503.95	12.34	6.00	6.03	5,497.94	0.03	
	8/17/2021	5,503.95	12.34	6.00	6.04	5,497.94	0.04	
	4/11/2022	5,503.95	12.34	5.98	6.00	5,497.97	0.02	
	8/1/2022	5,503.95	12.34	6.14	6.16	5,497.81	0.02	
	4/24/2023	Well Destroyed						
	4/16/2024	Well Destroyed						
	8/5/2024	Well Destroyed						



<b>TABLE 1</b> <b>FLUID LEVELS</b> Bloomfield Terminal 2024 Annual Report Western Refining Southwest LLC San Juan County, New Mexico							
Well ID	Date	Measuring Point Elevation (ft AMSL)	Total Well Depth (ft Below TOC)	Depth To Product (ft Below TOC)	Depth To Water (ft Below TOC)	Corrected Groundwater Elevation (ft AMSL)	SPH Thickness (ft)
CW 14+10	4/27/2021	5,504.39	12.99	NPP	6.59	5,497.80	NPP
	8/17/2021	5,504.39	12.99	NPP	6.61	5,497.78	NPP
	4/11/2022	5,504.39	12.99	NPP	6.51	5,497.88	NPP
	8/1/2022	5,504.39	12.99	NPP	6.50	5,497.89	NPP
	4/24/2023	5,504.39	13.06	NPP	6.45	5,497.94	NPP
	8/9/2023	5,504.39	13.06	NPP	6.45	5,497.94	NPP
	4/16/2024	5,504.39	13.06	NPP	6.62	5,497.77	NPP
8/5/2024	5,504.39	13.06	NPP	6.54	5,497.85	NPP	
CW 16+60	4/27/2021	5,504.32	12.97	NPP	6.42	5,497.90	NPP
	8/17/2021	5,504.32	12.97	NPP	6.35	5,497.97	NPP
	4/11/2022	5,504.32	12.97	NPP	6.33	5,497.99	NPP
	8/1/2022	5,504.32	12.97	NPP	6.26	5,498.06	NPP
	4/24/2023	5,504.32	12.88	NPP	6.28	5,498.04	NPP
	8/9/2023	5,504.32	12.88	NPP	6.26	5,498.06	NPP
	4/16/2024	5,504.32	12.88	NPP	6.45	5,497.87	NPP
8/5/2024	5,504.32	12.88	NPP	6.32	5,498.00	NPP	
CW 19+50	4/27/2021	5,504.52	10.04	NPP	6.33	5,498.19	NPP
	8/17/2021	5,504.52	10.04	NPP	6.31	5,498.21	NPP
	4/11/2022	5,504.52	10.04	NPP	6.30	5,498.22	NPP
	8/1/2022	5,504.52	10.04	NPP	6.30	5,498.22	NPP
	4/24/2023	5,504.52	10.04	NPP	6.26	5,498.26	NPP
	8/9/2023	5,504.52	10.04	NPP	6.28	5,498.24	NPP
	4/16/2024	5,504.52	10.04	NPP	6.44	5,498.08	NPP
8/5/2024	5,504.52	10.04	NPP	6.28	5,498.24	NPP	
CW 22+00	4/27/2021	5,508.04	12.40	NPP	8.89	5,499.15	NPP
	8/17/2021	5,508.04	12.40	NPP	13.38	5,494.66	NPP
	4/11/2022	5,508.04	12.40	NPP	9.20	5,498.84	NPP
	8/1/2022	5,508.04	12.40	NPP	9.05	5,498.99	NPP
	4/24/2023	5,508.04	12.40	NPP	9.27	5,498.77	NPP
	8/9/2023	5,508.04	12.40	NPP	13.54	5,494.50	NPP
	4/16/2024	5,508.04	12.40	NPP	9.53	5,498.51	NPP
8/5/2024	5,508.04	12.40	NPP	8.39	5,499.65	NPP	
CW 23+10	4/27/2021	5,510.04	14.72	NPP	10.50	5,499.54	NPP
	8/17/2021	5,510.04	14.72	NPP	10.45	5,499.59	NPP
	4/11/2022	5,510.04	14.72	NPP	11.86	5,498.18	NPP
	8/1/2022	5,510.04	14.72	NPP	10.65	5,499.39	NPP
	4/24/2023	5,510.04	14.83	NPP	10.96	5,499.08	NPP
	8/9/2023	5,510.04	14.83	NPP	17.07	5,492.97	NPP
	4/16/2024	5,510.04	14.83	NPP	11.20	5,498.84	NPP
8/5/2024	5,510.04	14.83	NPP	9.30	5,500.74	NPP	
CW 23+90	4/27/2021	5,507.32	11.81	NPP	7.92	5,499.40	NPP
	8/17/2021	5,507.32	11.81	NPP	7.64	5,499.68	NPP
	4/11/2022	5,507.32	11.81	NPP	8.20	5,499.12	NPP
	8/1/2022	5,507.32	11.81	NPP	8.01	5,499.31	NPP
	4/24/2023	5,507.32	11.75	NPP	8.25	5,499.07	NPP
	8/9/2023	5,507.32	11.75	NPP	8.40	5,498.92	NPP
	4/16/2024	5,507.32	11.75	NPP	8.51	5,498.81	NPP
8/5/2024	5,507.32	11.75	NPP	6.13	5,501.19	NPP	





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Well ID	Date	Measuring Point Elevation (ft AMSL)	Total Well Depth (ft Below TOC)	Depth To Product (ft Below TOC)	Depth To Water (ft Below TOC)	Corrected Groundwater Elevation (ft AMSL)	SPH Thickness (ft)
CW 25+95	4/27/2021	5,505.90	12.35	NPP	8.15	5,497.75	NPP
	8/17/2021	5,505.90	12.35	NPP	8.14	5,497.76	NPP
	4/11/2022	5,505.90	12.15	NPP	8.51	5,497.39	NPP
	8/1/2022	5,505.90	12.15	NPP	8.40	5,497.50	NPP
	4/24/2023	5,505.90	12.04	NPP	8.55	5,497.35	NPP
	8/9/2023	5,505.90	12.04	NPP	8.68	5,497.22	NPP
	4/16/2024	5,505.90	12.04	NPP	8.69	5,497.21	NPP
	8/13/2024	5,505.90	12.04	NPP	5.73	5,500.17	NPP
SW1-0206	4/27/2021	5,508.27	53.15	NPP	52.59	5,455.68	NPP
	8/17/2021	5,508.27	53.15	NPP	52.46	5,455.81	NPP
	4/11/2022	5,508.27	53.15	NPP	52.38	5,455.89	NPP
	8/1/2022	5,508.27	53.15	NPP	52.38	5,455.89	NPP
	4/24/2023	5,508.27	53.07	NPP	52.18	5,456.09	NPP
	8/9/2023	5,508.27	53.07	NPP	52.25	5,456.02	NPP
	4/16/2024	Not on Plan					
8/5/2024	Not on Plan						
SW2-0206	4/27/2021	5,508.27	27.78	NPP	27.78	5,480.49	NPP
	8/17/2021	5,508.27	27.78	NPP	25.40	5,482.87	NPP
	4/11/2022	5,508.27	27.78	NPP	25.31	5,482.96	NPP
	8/1/2022	5,508.27	27.78	NPP	25.55	5,482.72	NPP
	4/24/2023	5,508.27	27.70	NPP	25.46	5,482.81	NPP
	8/9/2023	5,508.27	27.70	NPP	25.68	5,482.59	NPP
	4/16/2024	Not on Plan					
8/5/2024	Not on Plan						
SW3-0206	4/27/2021	5,505.29	52.64	NPP	27.01	5,478.28	NPP
	8/17/2021	5,505.29	52.64	NPP	27.23	5,478.06	NPP
	4/11/2022	5,505.29	52.64	NPP	26.98	5,478.31	NPP
	8/1/2022	5,505.29	52.64	NPP	27.15	5,478.14	NPP
	4/24/2023	5,505.29	52.55	NPP	27.01	5,478.28	NPP
	8/9/2023	5,505.29	52.55	NPP	27.52	5,477.77	NPP
	4/16/2024	Not on Plan					
8/5/2024	Not on Plan						
SW4-0206	4/27/2021	5,504.45	42.40	NPP	33.22	5,471.23	NPP
	8/17/2021	5,504.45	42.40	NPP	33.76	5,470.69	NPP
	4/11/2022	5,504.45	42.40	NPP	NWP	NWP	NPP
	8/1/2022	5,504.45	42.40	NPP	33.82	5,470.63	NPP
	4/24/2023	5,504.45	42.33	NPP	33.53	5,470.92	NPP
	8/9/2023	5,504.45	42.33	NPP	34.96	5,469.49	NPP
	4/16/2024	Not on Plan					
8/5/2024	Not on Plan						
SW5-0206	4/27/2021	5,514.34	52.33	NPP	33.89	5,480.45	NPP
	8/17/2021	5,514.34	52.33	NPP	34.52	5,479.82	NPP
	4/11/2022	5,514.34	52.33	NPP	33.86	5,480.48	NPP
	8/1/2022	5,514.34	52.33	NPP	34.24	5,480.10	NPP
	4/24/2023	5,514.34	52.25	NPP	33.50	5,480.84	NPP
	8/9/2023	5,514.34	52.25	NPP	34.34	5,480.00	NPP
	4/16/2024	Not on Plan					
8/5/2024	Not on Plan						



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Well ID	Date	Measuring Point Elevation (ft AMSL)	Total Well Depth (ft Below TOC)	Depth To Product (ft Below TOC)	Depth To Water (ft Below TOC)	Corrected Groundwater Elevation (ft AMSL)	SPH Thickness (ft)
SW6-0206	4/27/2021	5,519.72	47.48	NPP	39.60	5,480.12	NPP
	8/17/2021	5,519.72	47.48	NPP	41.15	5,478.57	NPP
	4/11/2022	5,519.72	47.48	NPP	40.85	5,478.87	NPP
	8/1/2022	5,519.72	47.48	NPP	41.21	5,478.51	NPP
	4/24/2023	5,519.72	42.25	NPP	39.99	5,479.73	NPP
	8/9/2023	5,519.72	42.25	NPP	41.28	5,478.44	NPP
	4/16/2024	Not on Plan					
8/5/2024	Not on Plan						
SW7-0206	4/27/2021	5,517.63	32.12	NPP	20.93	5,496.70	NPP
	8/17/2021	5,517.63	32.13	NPP	21.02	5,496.61	NPP
	4/11/2022	5,517.63	32.12	NM	NM	NM	NM
	8/1/2022	5,517.63	32.13	NPP	21.41	5,496.22	NPP
	4/24/2023	5,517.63	31.97	NPP	21.06	5,496.57	NPP
	8/9/2023	5,517.63	31.97	NPP	21.55	5,496.08	NPP
	4/16/2024	Not on Plan					
8/5/2024	Not on Plan						
MP-1	4/26/2021	5,526.34	29.84	26.14	26.86	5,500.06	0.72
	8/16/2021	5,526.34	29.84	26.21	27.04	5,499.96	0.83
	4/11/2022	5,526.34	29.84	26.25	27.11	5,499.92	0.86
	8/1/2022	5,526.34	29.84	26.33	27.27	5,499.82	0.94
	4/16/2024	5,526.34	29.84	26.53	27.58	5,499.60	1.05
	8/5/2024	5,526.34	29.84	NPP	27.04	5,499.30	NPP
MP-2	4/26/2021	5,526.34	29.75	26.96	27.06	5,499.36	0.10
	8/16/2021	5,526.34	29.75	27.15	27.21	5,499.18	0.06
	4/11/2022	5,526.34	29.75	27.02	27.22	5,499.28	0.20
	8/1/2022	5,526.34	29.75	27.28	27.32	5,499.05	0.04
	4/16/2024	5,526.34	29.75	27.53	27.60	5,498.80	0.07
	8/5/2024	5,526.34	29.75	NPP	27.35	5,498.99	NPP
MP-3	4/26/2021	5,528.75	30.68	NPP	21.24	5,507.51	NPP
	8/16/2021	5,528.75	30.68	28.31	28.66	5,500.37	0.35
	4/11/2022	5,528.75	30.68	28.41	28.82	5,500.26	0.41
	8/1/2022	5,528.75	30.68	28.51	29.15	5,500.11	0.64
	4/16/2024	5,528.75	30.68	28.57	29.90	5,499.91	1.33
	8/5/2024	5,528.75	30.68	28.50	28.88	5,500.17	0.38
MP-4	4/26/2021	5,528.75	32.98	27.65	28.09	5,501.01	0.44
	8/16/2021	5,528.75	32.98	28.15	29.45	5,500.34	1.30
	4/11/2022	5,528.75	32.98	28.25	29.52	5,500.25	1.27
	8/1/2022	5,528.75	32.98	28.38	29.77	5,500.09	1.39
	4/16/2024	5,528.75	32.98	28.54	30.06	5,499.91	1.52
	8/5/2024	5,528.75	32.98	28.33	29.58	5,500.17	1.25
MP-5	4/26/2021	5,528.75	31.67	NPP	27.71	5,501.04	NPP
	8/16/2021	5,528.75	31.67	27.80	28.70	5,500.77	0.90
	4/11/2022	5,528.75	31.67	27.88	28.90	5,500.67	1.02
	8/1/2022	5,528.75	31.67	27.98	29.10	5,500.55	1.12
	4/16/2024	5,528.75	31.67	28.18	29.14	5,500.38	0.96
	8/5/2024	5,528.75	31.67	27.96	28.89	5,500.60	0.93



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Well ID	Date	Measuring Point Elevation (ft AMSL)	Total Well Depth (ft Below TOC)	Depth To Product (ft Below TOC)	Depth To Water (ft Below TOC)	Corrected Groundwater Elevation (ft AMSL)	SPH Thickness (ft)
AS-1	4/27/2021	5,526.34	29.41	NPP	26.19	5,500.15	NPP
	8/16/2021	5,526.34	29.41	NPP	26.26	5,500.08	NPP
	4/11/2022	5,526.34	29.41	NPP	26.28	5,500.06	NPP
	8/1/2022	5,526.34	29.41	NPP	26.35	5,499.99	NPP
	4/16/2024	5,526.34	29.41	NPP	26.58	5,499.76	NPP
	8/5/2024	5,526.34	29.41	NPP	26.44	5,499.90	NPP
VEW-1S	4/27/2021	5,526.34	12.82	NPP	NWP	NWP	NPP
	8/16/2021	5,526.34	12.82	NPP	NWP	NWP	NPP
	4/11/2022	5,526.34	12.82	NPP	NWP	NWP	NPP
	8/1/2022	5,526.34	12.82	NPP	NWP	NWP	NPP
	4/16/2024	5,526.34	12.82	NPP	NWP	NWP	NPP
	8/5/2024	5,526.34	12.82	NPP	NWP	NWP	NPP
VEW-1D	4/27/2021	5,526.34	25.82	NPP	NWP	NWP	NPP
	8/16/2021	5,526.34	25.82	NPP	NWP	NWP	NPP
	4/11/2022	5,526.34	25.82	NPP	NWP	NWP	NPP
	8/1/2022	5,526.34	25.82	NPP	NWP	NWP	NPP
	4/16/2024	5,526.34	25.82	NPP	NWP	NWP	NPP
	8/5/2024	5,526.34	25.82	NPP	NWP	NWP	NPP

**Notes:**

  = Wells Gauged During Quarterly Gauging Event

  = Product Detected During Gauging Event

MW = Monitor Well

RW = Recovery Well

OW = Observation Well

CW = Collection Well

\*SW = Well Sampled During Significant Rain Events Only

BCK = Background Well

MP = Monitor Point

AS = Air Sparge

VEW = Vapor Extraction Well

ft = Feet

AMSL = Above Mean Sea Level

NPP = No Product Present

NWP = No Water Present

SPH = Separate Phase Hydrocarbon

NM = Not Measured

TOC = Top of Casing



**TABLE 2**  
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 Western Refining Southwest LLC  
 San Juan County, New Mexico

Location ID	Date	Temperature (°C)	pH	Electrical Conductivity (mS/cm)	Oxidation Reduction Potential (mV)	Dissolved Oxygen (mg/L)	Total Dissolved Solids (mg/L)
MW-4	8/16/2021	19.42	7.32	2.92	-71.0	0.00	2,150
	8/3/2022	26.00	6.50	2.97	-186.0	0.00	2,060^
	8/9/2023	FPP - Could Not Sample					
	8/7/2024	Sample Obtained But Insufficient Water to Collect Parameters					
MW-8	4/27/2023	16.00	7.40	1.49	99.0	7.48	1,958
	8/7/2024	Sample Obtained But Insufficient Water to Collect Parameters					
MW-20	8/23/2021	NS	NS	NS	NS	NS	NS
	4/11/2022	Sheen Observed - Could Not Sample					
	8/2/2022	Sheen Observed - Could Not Sample					
	8/9/2023	FPP - Could Not Sample					
	4/16/2024	FPP - Could Not Sample					
	8/9/2024	FPP - Could Not Sample					
MW-21	8/20/2021	19.23	6.67	2.51	-146.0	0.89	1,870
	8/4/2022	20.65	5.72	3.88	-255.0	0.43	NS
	8/9/2023	FPP - Could Not Sample					
	8/9/2024	FPP - Could Not Sample					
MW-29	8/20/2021	17.54	5.56	0.88	137.0	0.00	679
	8/2/2022	24.53	6.73	3.11	74.0	0.00	2,160^
	8/10/2023	16.48	7.12	2.66	-22.7	3.07	1,730
	8/12/2024	17.70	7.06	3.48	13.1	7.52	2,618
	4/28/2021	NS	NS	NS	NS	NS	NS
MW-30	8/19/2021	NS	NS	NS	NS	NS	NS
	4/11/2022	Sheen Observed - Could Not Sample					
	8/2/2022	Sheen Observed - Could Not Sample					
	4/27/2023	17.10	6.90	2.96	-296.0	3.46	1,934
	8/11/2023	17.93	7.10	1.89	-366.2	0.00	1,240
	4/17/2024	17.51	7.12	3.05	-257.9	0.00	1,980
	8/12/2024	FPP - Could Not Sample					
MW-31	8/24/2021	19.41	6.81	2.09	-219.0	0.59	1,610
	8/2/2022	20.88	5.52	2.21	-180.0	0.00	1,760^
	8/22/2023	21.60	7.32	2.52	-252.9	0.00	1,638
	8/26/2024	18.20	7.61	2.11	-197.3	6.13	1,572
MW-40	8/18/2021	21.45	6.15	2.36	-70.0	0.50	1,740
	8/1/2022	FPP - Could Not Sample					
	8/11/2023	Insufficient Water to Collect Readings					
	8/8/2024	Sample Obtained But Insufficient Water to Collect Parameters					
MW-44	8/19/2021	18.31	7.09	5.20	108.0	1.91	5,000
	8/1/2022	18.75	7.00	5.24	50.0	0.00	4,860^
	8/11/2023	17.17	7.22	3.51	-23.7	2.66	2,290
	8/12/2024	17.60	7.16	4.76	-18.4	7.37	3,601
MW-52	4/28/2021	15.20	6.16	3.51	-32.0	3.51	2,870
	8/18/2021	19.96	5.43	4.29	105.0	0.36	3,180
	4/13/2022	13.91	6.78	5.00	99.0	5.98	3,780^
	8/2/2022	21.69	6.25	5.32	168.0	0.00	4,190^
	4/27/2023	15.70	6.63	4.68	141.3	6.42	3,045
	8/17/2023	16.63	6.80	2.75	104.1	0.48	2,170
	8/12/2024	16.40	6.62	3.88	11.6	42.6	3,016



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Location ID	Date	Temperature (°C)	pH	Electrical Conductivity (mS/cm)	Oxidation Reduction Potential (mV)	Dissolved Oxygen (mg/L)	Total Dissolved Solids (mg/L)
RW-1	8/18/2021	23.33	5.99	2.12	-99.0	1.38	1,510
	8/1/2022	26.52	6.58	3.57	-149.0	0.00	NS
	8/9/2023	19.22	7.21	2.32	-318.6	0.00	1,610
	8/8/2024	Sheen Observed - Could Not Sample					
RW-9	8/18/2021	NS	NS	NS	NS	NS	NS
	8/2/2022	Sheen Observed - Could Not Sample					
	8/10/2023	16.17	7.16	2.84	-246.1	0.00	1,840
	8/5/2024	Sheen Observed - Could Not Sample					
RW-15	8/19/2021	17.72	7.40	3.04	-66.0	0.61	2,130
	8/1/2022	FPP - Could Not Sample					
	8/9/2023	FPP - Could Not Sample					
	8/5/2024	FPP - Could Not Sample					
RW-18	8/19/2021	NS	NS	NS	NS	NS	NS
	8/2/2022	Well Cannot be Accessed					
	8/9/2023	FPP - Could Not Sample					
	8/5/2024	Well Cannot be Accessed					
RW-23	8/19/2021	NS	NS	NS	NS	NS	NS
	8/2/2022	Sheen Observed - Could Not Sample					
	8/9/2023	16.11	7.17	1.87	-198.6	1.74	1,210
	8/5/2024	Sheen Observed - Could Not Sample					
RW-28	8/19/2021	NS	NS	NS	NS	NS	NS
	8/2/2022	FPP - Could Not Sample					
	8/9/2023	FPP - Could Not Sample					
	8/5/2024	FPP - Could Not Sample					
RW-42	8/19/2021	NS	NS	NS	NS	NS	NS
	8/2/2022	Pump Running in Well - Not Able to Sample					
	8/9/2023	FPP - Could Not Sample					
	8/5/2024	FPP - Could Not Sample					
RW-43	8/19/2021	NS	NS	NS	NS	NS	NS
	8/2/2022	FPP - Could Not Sample					
	8/9/2023	FPP - Could Not Sample					
	8/5/2024	FPP - Could Not Sample					
MW-1	4/28/2021	16.57	6.39	0.64	53.0	9.45	435
	8/16/2021	18.14	7.58	0.67	13.0	2.30	516
	4/13/2022	12.19	6.96	0.80	-63.0	4.58	440^
	8/4/2022	17.48	5.49	0.81	-82.0	0.00	546^
	4/27/2023	13.20	7.24	0.89	2.1	8.71	574
	8/11/2023	17.43	7.41	0.54	5.3	2.83	360
	4/17/2024	Insufficient Water to Collect Readings					
8/7/2024	Insufficient Water to Collect Readings						
MW-13	4/28/2021	16.89	6.25	2.74	7.0	3.99	2,090
	8/23/2021	21.01	7.15	3.39	3.0	2.27	2,650
	4/13/2022	15.11	6.72	2.89	23.0	6.35	2,040^
	8/5/2022	19.25	6.23	3.11	-57.0	0.00	2,470^
	4/28/2023	17.00	7.01	2.82	81.2	4.08	1,828
	8/24/2023	17.50	7.41	1.91	145.3	3.50	1,250
	4/18/2024	17.58	7.22	2.75	21.8	0.07	1,830
	8/13/2024	24.60	7.26	3.25	-24.0	3.24	2,136



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MW-26	8/17/2021	22.26	6.44	2.54	-88.0	0.00	1,830	
	8/9/2022	19.01	6.31	2.94	-130.0	0.00	1,870^	
	8/24/2023	17.71	7.28	1.94	-131.8	1.69	1,260	
	8/26/2024	17.70	7.13	2.42	-85.6	6.62	1,824	
MW-27	8/23/2021	21.80	6.71	5.93	79.0	6.40	6,810	
	8/9/2022	20.21	6.50	7.12	-49.0	0.00	6,460^	
	8/24/2023	16.60	7.23	5.07	24.3	4.33	3,300	
	8/8/2024	Insufficient Water to Collect Readings						
MW-32	8/23/2021	19.84	7.26	4.45	82.0	5.02	3,880	
	8/9/2022	24.40	7.18	5.14	32.0	6.15	4,170^	
	8/24/2023	17.58	7.81	3.39	-3.7	1.61	2,210	
	8/14/2024	16.60	7.97	4.41	-8.3	5.76	3,465	
MW-33	4/28/2021	17.03	6.92	3.83	43.0	8.93	3,670	
	8/23/2021	23.13	5.64	3.70	160.0	5.85	3,530	
	4/12/2022	Sample Obtained But Insufficient Water to Collect Parameters						3,600^
	8/4/2022	Sample Obtained But Insufficient Water to Collect Parameters						3,580^
	4/28/2023	16.00	7.94	3.96	38.2	15.15	2,543	
	8/24/2023	18.29	7.89	2.83	30.9	6.55	1,840	
	4/18/2024	16.76	8.38	4.24	1.3	7.10	2,750	
8/8/2024	Sample Obtained But Insufficient Water to Collect Parameters							
MW-11	8/16/2021	NS	NS	NS	NS	NS	NS	
	8/2/2022	Could Not Sample - Wasp Nest In Well						
	8/23/2023	16.59	7.45	1.96	-139.6	2.33	1,270	
	8/14/2024	17.40	7.09	2.54	-90.9	0.02	1,926	
MW-12	4/28/2021	13.82	6.66	0.67	38.0	3.62	540	
	8/17/2021	20.87	6.76	0.31	95.0	2.15	NS	
	4/12/2022	10.09	6.83	0.94	126.0	6.03	587^	
	8/4/2022	17.96	6.18	0.39	-12.0	0.00	264^	
	8/9/2023	Well Dry - Could Not Sample						
	4/18/2024	17.22	7.21	1.68	-44.4	0.73	1,061	
	8/6/2024	Well Dry - Could Not Sample						
MW-34	8/17/2021	19.01	6.88	2.59	-93.0	0.82	NS	
	8/9/2022	17.91	6.54	3.09	-161.0	0.00	2,200^	
	8/9/2023	Well Dry - Could Not Sample						
	8/26/2024	Well Dry - Could Not Sample						
MW-35	4/28/2021	16.27	6.45	2.15	-123.0	8.40	1,460	
	8/21/2021	18.27	7.00	2.37	-104.0	2.20	1,820	
	4/11/2022	Well Dry - Could Not Sample						
	8/9/2022	18.40	6.17	3.16	-166.0	0.00	2,020^	
	4/28/2023	Insufficient Water to Collect Sample						
	8/25/2023	17.66	7.59	1.54	-151.4	1.14	1,010	
	4/22/2024	15.25	7.48	3.48	-98.4	2.76	2,260	
8/6/2024	Well Dry - Could Not Sample							
MW-37	4/28/2021	16.72	6.66	3.08	-11.0	1.14	2,800	
	8/21/2021	16.98	7.12	3.38	-49.0	3.88	3,090	
	4/12/2022	13.39	7.27	4.10	19.0	6.55	3,320^	
	8/4/2022	22.65	7.13	3.82	-59.0	0.00	3,620^	
	4/28/2023	15.00	7.33	4.26	18.2	7.38	2,781	
	8/24/2023	17.30	7.40	1.93	-113.10	2.73	NA	



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MW-37	4/22/2024	17.39	7.47	4.23	8.70	0.07	2,750
	8/26/2024	16.00	7.56	2.451	-81.40	4.75	1,924
MW-38	4/28/2021	16.19	6.68	1.12	-6.0	0.25	755
	8/23/2021	20.88	7.64	1.35	-30.0	1.97	963
	4/12/2022	Insufficient Water to Collect Sample					
	8/9/2022	21.40	6.41	1.55	-131.0	0.00	909^
	4/28/2023	15.00	7.22	1.68	-47.8	4.33	1,092
	8/24/2023	17.30	7.39	2.02	-119.0	3.27	1,317
	4/22/2024	17.13	7.45	2.63	-22.1	3.48	1,690
8/13/2024	Insufficient Water to Collect Sample						
MW-50	8/16/2021	NS	NS	NS	NS	NS	NS
	8/3/2022	NS	NS	NS	NS	NS	NS
	8/11/2023	18.89	7.54	0.55	-95.3	0.02	360
	8/8/2024	17.99	7.51	0.48	19.1	0.09	356
MW-51	8/16/2021	19.39	7.64	0.53	70.0	0.51	372
	8/3/2022	19.75	6.82	0.66	142.0	0.00	428^
	8/11/2023	18.07	7.51	0.51	1.0	0.00	330
	8/8/2024	20.34	7.51	0.28	86.7	2.15	201
MW-53	8/18/2021	23.32	6.74	4.80	122.0	1.81	3,560
	8/2/2022	19.07	6.81	5.04	142.0	0.00	3,560^
	8/17/2023	17.01	7.44	3.39	92.4	3.54	2,210
	8/12/2024	17.66	7.51	2.80	120.8	3.22	2,117
MW-54	8/16/2021	NS	NS	NS	NS	NS	NS
	8/2/2022	Sheen Observed - Could Not Sample					
	8/10/2023	19.23	7.15	2.77	-232.8	0.02	1,800
	8/8/2024	Sheen Observed - Could Not Sample					
MW-55	8/16/2021	NS	NS	NS	NS	NS	NS
	8/2/2022	FPP - Could Not Sample					
	8/9/2023	FPP - Could Not Sample					
	8/5/2024	FPP - Could Not Sample					
MW-56	8/16/2021	21.29	7.82	2.39	-75.0	1.55	NS
	8/2/2022	FPP - Could Not Sample					
	8/9/2023	FPP - Could Not Sample					
	8/5/2024	FPP - Could Not Sample					
MW-57	8/16/2021	NS	NS	NS	NS	NS	NS
	8/2/2022	FPP - Could Not Sample					
	8/9/2023	FPP - Could Not Sample					
	8/8/2024	FPP - Could Not Sample					
MW-58	8/16/2021	NS	NS	NS	NS	NS	NS
	8/2/2022	Sheen Observed - Could Not Sample					
	8/9/2023	FPP - Could Not Sample					
	8/5/2024	FPP - Could Not Sample					
MW-59	8/24/2021	19.04	6.29	3.19	133.0	2.19	2,380
	8/2/2022	19.42	5.14	3.83	5.0	0.00	3,100^
	8/22/2023	20.60	6.97	4.70	121.1	0.01	3,053
	8/9/2024	17.90	7.03	3.57	115.8	3.22	2,658
MW-60	8/23/2021	NS	NS	NS	NS	NS	NS
	8/2/2022	Insufficient Water to Collect Sample					
	8/9/2023	Well Unable to be Located					
	8/5/2024	Well Unable to be Located					



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MW-61	8/24/2021	20.12	6.65	3.11	-118.0	1.52	2,550
	8/2/2022	Well Could Not Be Accessed					
	8/9/2023	Well Abandoned					
	8/5/2024	Well Could Not Be Accessed					
MW-62	8/23/2021	19.41	6.90	6.70	107.0	2.53	5,920
	8/4/2022	20.06	6.85	6.22	50.0	0.00	6,010^
	8/24/2023	18.40	7.03	6.77	-5.3	0.98	4,398
	8/14/2024	17.70	7.03	5.87	49.8	0.03	4,431
MW-63	8/24/2021	20.09	6.59	4.37	45.0	1.41	4,680
	8/2/2022	21.12	6.18	2.31	-90.0	0.21	NM
	8/22/2023	23.00	7.23	4.52	63.9	0.01	2,936
	8/9/2024	19.20	7.01	3.40	134.1	0.04	2,484
MW-64	8/24/2021	19.47	6.14	4.41	153.0	7.05	3,560
	8/2/2022	27.71	6.45	4.28	10.0	0.35	3,540^
	8/22/2023	19.80	7.41	4.79	181.0	2.07	3,115
	8/8/2024	Insufficient Water to Collect Sample					
MW-65	8/16/2021	Well presumed to be destroyed					
	8/22/2023	19.60	7.12	3.06	-103.8	0.77	1,993
	8/9/2024	18.40	7.00	2.85	-102.8	2.27	2,098
MW-66	8/16/2021	NS	NS	NS	NS	NS	NS
	8/2/2022	FPP - Could Not Sample					
	8/9/2023	FPP - Could Not Sample					
	8/6/2024	FPP - Could Not Sample					
MW-67	8/20/2021	17.21	6.45	2.50	195.0	2.14	909
	8/4/2022	25.52	6.05	1.91	-63.0	0.00	1,200^
	8/17/2023	16.42	7.50	1.77	82.4	2.85	1,150
	8/9/2024	15.62	7.70	0.67	110.1	5.92	527
MW-68	8/19/2021	19.51	7.98	0.74	87.0	2.41	520
	8/3/2022	20.03	6.67	1.37	63.0	0.00	724^
	8/17/2023	17.64	7.14	1.96	37.8	2.90	1,260
	8/9/2024	18.91	7.13	0.81	63.8	2.03	592
MW-69	8/16/2021	NS	NS	NS	NS	NS	NS
	8/2/2022	Well Dry - Could Not Sample					
	8/10/2023	Well Dry - Could Not Sample					
	8/5/2024	Well Dry - Could Not Sample					
MW-70	8/18/2021	26.40	6.41	4.38	-22.7	9.23	4,340
	8/2/2022	25.03	6.03	4.99	-83.0	0.40	NS
	8/17/2023	Insufficient Water to Collect Sample					
	8/9/2024	Insufficient Water to Collect Sample					
MW-71	8/1/2022	FPP - Could Not Sample					
	8/17/2023	17.36	7.17	1.43	-132.7	0.00	930
	8/9/2024	FPP - Could Not Sample					
MW-72	8/1/2022	FPP - Could Not Sample					
	8/9/2023	FPP - Could Not Sample					
	8/5/2024	FPP - Could Not Sample					
MW-73	8/19/2021	18.25	5.63	1.75	-66.0	0.00	1,470
	8/1/2022	19.47	6.80	2.02	-148.0	0.00	1,500^
	8/8/2023	FPP - Could Not Sample					
	8/8/2024	FPP - Could Not Sample					





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MW-74	8/19/2021	19.88	5.95	2.39	-71.0	0.27	1,710	
	8/1/2022	21.42	6.85	3.05	-186.0	0.00	NS	
	8/17/2023	FPP - Could Not Sample						
	8/5/2024	FPP - Could Not Sample						
MW-75	8/18/2021	24.42	6.26	2.25	-78.0	2.09	1,790	
	8/1/2022	Sheen Observed - Could Not Sample						
	8/9/2023	FPP - Could Not Sample						
	8/5/2024	FPP - Could Not Sample						
MW-76	8/18/2021	20.19	6.10	1.50	-74.0	0.00	1,100	
	8/1/2022	18.76	6.54	1.76	-127.0	0.00	1,070^	
	8/24/2023	19.40	6.84	1.58	-119.6	0.00	1,027	
	8/5/2024	FPP - Could Not Sample						
MW-77	8/3/2022	FPP - Could Not Sample						
	8/9/2023	FPP - Could Not Sample						
	8/5/2024	FPP - Could Not Sample						
MW-78	8/3/2022	20.98	6.14	3.03	85.0	0.00	2,160^	
	8/17/2023	Insufficient Water to Collect Sample						
	8/7/2024	Sample Obtained But Insufficient Water to Collect Parameters						
CW 0+60	4/27/2021	Sample Obtained But Insufficient Water to Collect Parameters						1,200
	8/19/2021	21.14	6.28	1.71	-115.0	1.20	1,480	
	4/13/2022	11.40	6.39	1.94	-100.0	8.45	1,230^	
	8/4/2022	19.74	5.55	1.68	-63.0	0.00	1,060^	
	5/10/2023	Sample Obtained But Insufficient Water to Collect Parameters						
	8/9/2023	Not Sampled						
	4/22/2024	14.23	6.88	1.75	-67.8	0.02	1,160	
8/27/2024	21.10	6.71	1.75	142.7	0.18	1,232		
CW 25+95	4/27/2021	Sample Obtained But Insufficient Water to Collect Parameters						670
	8/19/2021	21.19	7.05	1.26	-139.0	2.39	970	
	4/13/2022	12.14	7.21	2.76	-80.0	1.11	2,010^	
	8/3/2022	22.35	5.72	3.43	-62.0	0.00	2,850^	
	4/27/2023	12.20	6.93	2.72	-6.7	7.35	1,767	
	8/10/2023	Insufficient Water to Collect Readings						
	4/18/2024	16.61	7.16	3.02	-67.1	2.79	1,970	
8/13/2024	23.30	7.30	0.63	-26.7	0.88	422		
OW 0+60	8/17/2021	NS	NS	NS	NS	NS	NS	
	4/11/2022	Insufficient Water to Collect Sample						
	8/4/2022	20.61	5.85	1.69	7.0	0.00	1,140^	
	4/24/2023	Insufficient Water to Collect Sample						
	8/9/2023	Insufficient Water to Collect Sample						
	4/15/2024	Well Dry - Could Not Sample						
8/8/2024	Insufficient Water to Collect Sample							
OW 1+50	8/17/2021	NS	NS	NS	NS	NS	NS	
	4/11/2022	Insufficient Water to Collect Sample						
	8/4/2022	Insufficient Water to Collect Sample						
	8/9/2023	Insufficient Water to Collect Sample						
	4/16/2024	Well Dry - Could Not Sample						
	8/5/2024	Well Dry - Could Not Sample						



**TABLE 2**  
**FIELD PARAMETERS SUMMARY**  
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 Western Refining Southwest LLC  
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Location ID	Date	Temperature (°C)	pH	Electrical Conductivity (mS/cm)	Oxidation Reduction Potential (mV)	Dissolved Oxygen (mg/L)	Total Dissolved Solids (mg/L)	
OW 3+85	8/17/2021	NS	NS	NS	NS	NS	NS	
	4/13/2022	Sheen Observed - Could Not Sample						
	8/4/2022	Sheen Observed - Could Not Sample						
	4/26/2023	12.90	7.25	3.12	-231.4	2.11	1,640	
	8/10/2023	Insufficient Water to Collect Readings						
	4/17/2024	14.74	7.40	3.40	-276.1	1.71	2,210	
OW 5+50	8/17/2021	NS	NS	NS	NS	NS	NS	
	4/11/2022	Well Dry - Could Not Sample						
	8/4/2022	Well Dry - Could Not Sample						
	4/24/2023	Insufficient Water to Collect Sample						
	8/9/2023	Insufficient Water to Collect Sample						
	4/16/2024	Well Dry - Could Not Sample						
	8/7/2024	Insufficient Water to Collect Sample						
OW 6+70	8/17/2021	NS	NS	NS	NS	NS	NS	
	4/11/2022	Insufficient Water to Collect Sample						
	8/4/2022	Well Dry - Could Not Sample						
	4/24/2023	Well Dry - Could Not Sample						
	8/9/2023	Well Dry - Could Not Sample						
	4/16/2024	Well Dry - Could Not Sample						
	8/5/2024	Well Dry - Could Not Sample						
OW 8+10	8/17/2021	NS	NS	NS	NS	NS	NS	
	4/11/2022	Well Dry - Could Not Sample						
	8/4/2022	Well Dry - Could Not Sample						
	4/26/2023	14.57	7.38	2.43	97.0	5.47	1,590	
	8/9/2023	Unable to Access - Well Locked						
	8/7/2024	Well Dry - Could Not Sample						
OW 11+15	8/19/2021	NS	NS	NS	NS	NS	NS	
	4/11/2022	Sheen Observed - Could Not Sample						
	8/4/2022	19.40	5.53	2.07	-83.0	0.00	NS	
	4/26/2023	13.40	7.11	2.13	131.4	3.12	1,400	
	8/24/2023	19.30	7.16	2.20	-145.3	0.16	1,438	
	4/18/2024	15.03	7.09	1.51	-129.7	3.37	1,040	
	8/12/2024	20.50	6.91	1.98	-3.0	3.53	1,407	
OW 14+10	4/11/2022	Well Dry - Could Not Sample						
	8/4/2022	Well Dry - Could Not Sample						
	4/24/2023	Well Dry - Could Not Sample						
	8/9/2023	Well Dry - Could Not Sample						
	4/16/2024	Well Dry - Could Not Sample						
	8/5/2024	Well Dry - Could Not Sample						
OW 16+60	4/27/2021	Sample Obtained But Insufficient Water to Collect Parameters						3,160
	8/19/2021	NS	NS	NS	NS	NS	NS	
	4/13/2022	14.52	7.70	4.57	-76.0	9.82	NS	
	8/4/2022	20.66	5.75	4.19	-119.0	0.00	4,000^	
	4/26/2023	14.50	7.19	4.79	-239.8	5.72	2,450	
	8/10/2023	Insufficient Water to Collect Readings						
	8/10/2023	18.23	7.52	4.30	-208.3	2.25	2,800	
	8/13/2024	Sample Obtained But Insufficient Water to Collect Parameters						



**TABLE 2**  
**FIELD PARAMETERS SUMMARY**  
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Location ID	Date	Temperature (°C)	pH	Electrical Conductivity (mS/cm)	Oxidation Reduction Potential (mV)	Dissolved Oxygen (mg/L)	Total Dissolved Solids (mg/L)	
OW 19+50	8/17/2021	NS	NS	NS	NS	NS	NS	
	4/11/2022	Well Dry - Could Not Sample						
	8/4/2022	Well Dry - Could Not Sample						
	4/26/2023	Insufficient Water to Collect Sample						
	8/9/2023	Insufficient Water to Collect Sample						
	4/16/2024	Well Dry - Could Not Sample						
	8/5/2024	Well Dry - Could Not Sample						
OW 22+00	4/27/2021	Sample Obtained But Insufficient Water to Collect Parameters					1,300	
	8/19/2021	NS	NS	NS	NS	NS	NS	
	4/13/2022	12.25	7.73	1.18	-7.0	6.53	825^	
	8/3/2022	22.57	8.13	2.47	-151.0	9.83	2,030^	
	4/26/2023	12.70	7.81	1.03	97.9	4.42	650	
	8/9/2023	Insufficient Water to Collect Sample						
	4/17/2024	18.36	7.47	4.01	-123.6	2.13	2,610	
OW 23+10	8/19/2021	NS	NS	NS	NS	NS	NS	
	4/13/2022	Insufficient Water to Collect Sample						
	8/3/2022	24.17	8.02	1.67	-253.0	10.49	NS	
	4/26/2023	14.50	7.54	2.39	-62.1	1.18	1,040	
	8/10/2023	Insufficient Water to Collect Readings						
	4/17/2024	17.84	7.52	3.98	-62.1	1.63	2,590	
	8/7/2024	Insufficient Water to Collect Readings						
OW 23+90	8/19/2021	NS	NS	NS	NS	NS	NS	
	4/11/2022	Well Dry - Could Not Sample						
	8/4/2022	Well Dry - Could Not Sample						
	4/26/2023	Insufficient Water to Collect Sample						
	8/9/2023	Insufficient Water to Collect Sample						
	4/16/2024	Well Dry - Could Not Sample						
	8/7/2024	Well Dry - Could Not Sample						
OW 25+70	4/27/2021	Sample Obtained But Insufficient Water to Collect Parameters					632	
	8/19/2021	21.50	7.21	1.02	-107.0	2.81	755	
	4/13/2022	13.20	7.08	1.85	-76.0	8.68	1,370^	
	8/3/2022	21.82	8.60	2.51	-9.0	0.00	2,150^	
	4/27/2023	13.30	6.87	2.24	12.1	9.86	1,450	
	8/9/2023	Well Dry - Could Not Sample						
	4/18/2024	17.10	7.15	2.68	-64.3	3.47	1,740	
	8/7/2024	Insufficient Water to Collect Parameters						
Outfall No. 2	4/27/2021	Sample Obtained But Insufficient Water to Collect Parameters					620	
	8/4/2022	NS	NS	NS	NS	NS	NS	
	8/9/2023	Outfall Dry - Not Sampled						
	4/16/2024	Outfall Dry - Not Sampled						
	8/9/2024	Outfall Dry - Not Sampled						
**Outfall No. 3	8/16/2021	NS	NS	NS	NS	NS	NS	
	8/4/2022	NS	NS	NS	NS	NS	NS	
	8/9/2023	Outfall Dry - Not Sampled						
	4/16/2024	Outfall Dry - Not Sampled						
	8/9/2024	Outfall Dry - Not Sampled						
**Seep 1	8/24/2023	Seep Dry - Not Sampled						
	4/16/2024	Seep Dry - Not Sampled						
	8/9/2024	Seep Dry - Not Sampled						



**TABLE 2**  
**FIELD PARAMETERS SUMMARY**  
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Location ID	Date	Temperature (°C)	pH	Electrical Conductivity (mS/cm)	Oxidation Reduction Potential (mV)	Dissolved Oxygen (mg/L)	Total Dissolved Solids (mg/L)	
**Seep 2	8/24/2023	Seep Dry - Not Sampled						
	4/16/2024	Seep Dry - Not Sampled						
	8/9/2024	Seep Dry - Not Sampled						
**Seep 3	8/24/2023	Seep Dry - Not Sampled						
	4/16/2024	Seep Dry - Not Sampled						
	8/9/2024	Seep Dry - Not Sampled						
**Seep 5	8/24/2023	Seep Dry - Not Sampled						
	4/16/2024	Seep Dry - Not Sampled						
	8/9/2024	Seep Dry - Not Sampled						
Jungle Seep	8/24/2023	16.23	7.07	1.43	-132.6	2.43	630	
	8/14/2024	25.00	8.09	1.36	-5.4	NS	880	
**Upstream	4/30/2021	11.79	6.56	0.24	112.0	11.24	NA	
	8/25/2021	17.54	6.29	0.24	98.0	10.95	187	
	4/14/2022	8.51	6.62	0.29	132.0	23.54	217^	
	8/9/2022	30.47	7.67	0.54	6.0	10.21	440^	
	4/28/2023	11.70	7.81	0.39	22.8	8.74	188	
	8/9/2023	13.59	8.28	0.22	16.8	8.72	NA	
	4/22/2024	19.00	8.49	0.39	-58.8	8.40	250	
8/15/2024	13.70	8.37	0.20	-83.6	8.80	169		
**North of MW-45	4/27/2021	Sample Obtained But Insufficient Water to Collect Parameters						175
	8/25/2021	15.88	5.94	0.33	139.0	11.71	202	
	4/14/2022	9.43	7.08	0.28	118.0	17.01	220^	
	8/3/2022	20.46	6.03	0.36	81.0	1.79	252^	
	4/28/2023	11.70	7.78	0.39	21.8	17.06	1,850	
	8/9/2023	15.96	8.41	0.22	40.6	8.02	NA	
	4/22/2024	19.03	8.48	0.37	-59.1	8.40	230	
8/15/2024	14.00	8.13	0.20	-72.0	7.54	165		
**North of MW-46	4/29/2021	9.66	5.53	0.33	154.0	7.71	194	
	8/21/2021	19.21	8.29	0.24	70.0	7.18	188	
	4/14/2022	8.30	6.46	0.31	151.0	20.01	226^	
	8/4/2022	25.94	6.93	0.33	75.0	14.33	242^	
	4/28/2023	11.80	8.02	0.38	39.2	8.76	192	
	8/9/2023	15.08	8.41	0.22	32.8	7.89	NA	
	4/22/2024	18.93	8.46	0.39	-56.3	8.36	210	
8/15/2024	15.10	8.19	0.21	-75.5	8.05	164		
**Downstream	4/29/2021	9.34	6.16	0.38	119.0	7.66	294	
	8/21/2021	20.31	8.61	0.28	45.0	6.94	192	
	4/14/2022	9.06	6.10	0.50	200.0	23.86	271^	
	8/4/2022	25.52	6.93	0.39	13.0	12.08	240^	
	4/28/2023	11.80	8.00	0.36	34.2	8.81	188	
	8/9/2023	16.00	8.40	0.22	52.5	7.92	NA	
	4/22/2024	19.05	8.49	0.41	-57.6	8.42	260	
8/15/2024	16.90	8.15	0.22	-73.2	7.00	166		
MW-3	8/16/2021	NS	NS	NS	NS	NS	NS	
	8/2/2022	Well Dry - Could Not Sample						
	8/9/2023	Well Dry - Could Not Sample						
	8/7/2024	Well Dry - Could Not Sample						



**TABLE 2**  
**FIELD PARAMETERS SUMMARY**  
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Location ID	Date	Temperature (°C)	pH	Electrical Conductivity (mS/cm)	Oxidation Reduction Potential (mV)	Dissolved Oxygen (mg/L)	Total Dissolved Solids (mg/L)
<b>**MW-5</b>	8/16/2021	NS	NS	NS	NS	NS	NS
	8/2/2022	Well Dry - Could Not Sample					
	8/9/2023	Well Dry - Could Not Sample					
	8/7/2024	Well Dry - Could Not Sample					
<b>**MW-6</b>	8/16/2021	NS	NS	NS	NS	NS	NS
	4/11/2022	Well Dry - Could Not Sample					
	8/2/2022	Well Dry - Could Not Sample					
	8/9/2023	Well Dry - Could Not Sample					
	4/16/2024	Well Dry - Could Not Sample					
	8/6/2024	Well Dry - Could Not Sample					
<b>MW BCK1</b>	11/8/2023	16.43	7.09	4.93	32.7	1.73	4,580
<b>MW BCK2</b>	11/8/2023	16.4	7.2	4.81	23.1	0.98	12,100

**Notes:**

- °C = Degrees Celsius
- ID = Identification
- mg/L = Milligrams per Liter
- mS/cm = Millisiemens per Centimeter
- mV = Millivolt
- NS = Not Sampled
- NP = No Purge Parameters, Low Water Volume
- \* = Field Result was Confirmed with Field Notes
- \*\* = Discrete Sample Reading
- ^ = Result Obtained Through Laboratory Analysis
- Not on Plan = Sample Not Required Per 2014 Facility-Wide Groundwater Monitoring Plan
- FPP = Free Product Present



**TABLE 3A**  
**TERMINAL WELLS ANALYTICAL SUMMARY - VOLATILE ORGANIC COMPOUNDS**  
 Bloomfield Terminal 2024 Annual Report  
 Western Refining Southwest LLC  
 San Juan County, New Mexico

Sample Location	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes, Total (µg/L)	Methyl tert-butyl ether (MTBE)	1-Methyl-naphthalene (µg/L)	2-Methyl-naphthalene (µg/L)	Naphthalene (µg/L)	Acetone (µg/L)	Isopropyl-benzene (µg/L)	1,2,4-Trimethyl-benzene (µg/L)	1,3,5-Trimethyl-benzene (µg/L)	4-Isopropyl-toluene (µg/L)	n-Butyl-benzene (µg/L)	n-Propyl-benzene (µg/L)	sec-Butyl-benzene (µg/L)	tert-Butyl-benzene (µg/L)	
Screening Source		NMAC 20.6.2						NMED Soil Screening Guidance Table A-1 (Tap Water)						EPA RSL Tap Water THQ = 0.1					
Screening Levels		5	1,000	700	620	100	11.4	35.1	1.17	14,100	447	5.6	6.0	-	100	66	200	69	
RW-1	8/18/2021	240	<5.0	13	13	51	46	36	63	<50	5.8	20	<5.0	<5.0	<15	5.9	<5.0	<5.0	
	8/1/2022	Sheen Observed - Could Not Sample																	
	8/10/2023	<2.0	<2.0	<2.0	<3.0	7.0	<8.0	<8.0	<4.0	<20	11	<2.0	<2.0	<2.0	<6.0	5.3	3.5	2.4	
	8/8/2024	Sheen Observed - Could Not Sample																	
MW-4	8/16/2021	14	<1.0	3.3	15	<1.0	18	33	60	<10	22	12	5.2	<1.0	<3.0	23	4.0	1.1	
	8/3/2022	7.7	<1.0	2.1	28	2.5	16	24	55	10	26	73	17	1.1	0.88	30	4.5	1.1	
	8/9/2023	FPP - Could Not Sample																	
	8/7/2024	98	4.4	220	820	1.5	89	360	610	14	81	1,700	380	40	34	89	35	<0.24	
MW-8	8/1/2022	Not on Plan																	
	4/27/2023	<1.0	<1.0	<1.0	<1.5	<1.0	---	---	---	---	---	---	---	---	---	---	---	---	
	8/7/2024	<0.23	<0.25	<0.21	<0.37	<0.39	<2.0	<2.0	<0.24	<2.5	<0.18	<0.12	<0.18	<0.20	<0.13	<0.11	<0.14	<0.24	
RW-9	8/2/2022	Sheen Observed - Could Not Sample																	
	8/10/2023	2,100	6.2	150	220	820	41	23	95	<50	40	22	11	<5.0	<15	76	7.0	<5.0	
	8/9/2024	Sheen Observed - Could Not Sample																	
RW-15	8/19/2021	390	1	180	10	24	62	70	240	<10	62	500	<1.0	<1.0	14	230	12	<1.0	
	8/1/2022	FPP - Could Not Sample																	
	8/9/2023	FPP - Could Not Sample																	
	8/5/2024	FPP - Could Not Sample																	
RW-18	8/1/2022	Well Could Not Be Accessed																	
	8/9/2023	FPP - Could Not Sample																	
	8/5/2024	Well Could Not Be Accessed																	
MW-20	4/11/2022	Sheen Observed - Could Not Sample																	
	8/1/2022	Sheen Observed - Could Not Sample																	
	4/24/2023	FPP - Could Not Sample																	
	8/9/2023	FPP - Could Not Sample																	
	4/16/2024	FPP - Could Not Sample																	
MW-21	8/20/2021	<5.0	<10	<10	<15	20.00	<40	<40	<20	<100	<10	<10	<10	<10	<30	<10	<10	<10	
	8/1/2022	Sheen Observed - Could Not Sample																	
	8/9/2023	FPP - Could Not Sample																	
	8/9/2024	Sheen Observed - Could Not Sample																	
RW-23	8/2/2022	Sheen Observed - Could Not Sample																	
	8/10/2023	230	<5.0	54	<7.5	110	83	43	120	<50	96	17	<5.0	<5.0	23	260	17	<5.0	
	8/9/2024	Sheen Observed - Could Not Sample																	
RW-28	8/1/2022	FPP - Could Not Sample																	
	8/9/2023	FPP - Could Not Sample																	
	8/5/2024	FPP - Could Not Sample																	
MW-29	8/20/2021	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<4.0	<2.0	<10	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	
	8/2/2022	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<4.0	<2.0	6.0 J	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	
	8/2/2022	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<4.0	<2.0	8.0 J	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	
	8/10/2023	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<4.0	<2.0	<10	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	
	8/12/2024	<0.23	<0.25	<0.21	<0.37	<0.39	<2.0	<2.0	<0.24	<2.5	<0.18	<0.12	<0.18	<0.20	<0.13	<0.11	<0.14	<0.24	
MW-30	4/11/2022	Sheen Observed - Could Not Sample																	
	8/2/2022	Sheen Observed - Could Not Sample																	
	4/27/2023	340	32	2,200	1,200	<20	---	---	---	---	---	---	---	---	---	---	---	---	
	8/11/2023	450	90	1,600	1,200	<20	91	<80	140	<200	83	1,900	<20	<20	<60	360	21	<20	
	4/17/2024	300	22	1,800	610	<20	--	--	--	--	--	--	--	--	--	--	--	--	
8/12/2024	Sheen Observed - Could Not Sample																		



**TABLE 3A**  
**TERMINAL WELLS ANALYTICAL SUMMARY - VOLATILE ORGANIC COMPOUNDS**  
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 San Juan County, New Mexico

Sample Location	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes, Total (µg/L)	Methyl tert-butyl ether (MTBE)	1-Methyl-naphthalene (µg/L)	2-Methyl-naphthalene (µg/L)	Naphthalene (µg/L)	Acetone (µg/L)	Isopropyl-benzene (µg/L)	1,2,4-Trimethyl-benzene (µg/L)	1,3,5-Trimethyl-benzene (µg/L)	4-Isopropyl-toluene (µg/L)	n-Butyl-benzene (µg/L)	n-Propyl-benzene (µg/L)	sec-Butyl-benzene (µg/L)	tert-Butyl-benzene (µg/L)	
Screening Source		NMAC 20.6.2					NMED Soil Screening Guidance Table A-1 (Tap Water)					EPA RSL Tap Water THQ = 0.1							
Screening Levels		5	1,000	700	620	100	11.4	35.1	1.17	14,100	447	5.6	6.0	-	100	66	200	69	
MW-31	8/24/2021	35	<1.0	5.3	<1.5	<1.0	<4.0	<4.0	2.7	<10	30	<1.0	<1.0	<1.0	<3.0	94	12	1.1	
	8/2/2022	33	0.48	4.7	1.5 J	<1.0	6.6	3.3	5.5	11	12	0.31	<1.0	<1.0	1.3	34	6.2	0.61 J	
	8/22/2023	39	<1.0	6.1	4.9	<1.0	<4.0	<4.0	3.2	<10	7.9	1.90	<1.0	<1.0	<1.0	10	4.3	<1.0	
	8/26/2024	16	0.62 J	2.4	6.6	<0.39	<2.0	<2.0	3.9	<2.5	5.6	1.20	0.20 J	0.20 J	0.44 J	7.0	4.3	0.89 J	
MW-40	8/18/2021	<1.0	<1.0	1.1	<1.5	8.8	52	87	160	<10	82	<1.0	<1.0	<1.0	<3.0	90	9.3	1.8	
	8/1/2022	FPP - Could Not Sample																	
	8/11/2023	<1.0	<1.0	<1.0	<3.0	11	46	77	140	<20	66	<2.0	<2.0	<2.0	<6.0	66	7.1	<2.0	
	8/8/2024	<23	<25	<21	39 J	40 J	<200	<200	170 J	<250	21 J	32 J	27 J	<20	<13	27 J	25 J	<24	
RW-42	8/8/2024	<11	<13	<11	20 J	22 J	<100	<100	99 J	<130	24 J	13 J	<9.1	<10	<6.3	23 J	15 J	12 J	
	8/1/2022	Pump Running in Well - Not Able to Sample																	
	8/9/2023	FPP - Could Not Sample																	
RW-43	8/5/2024	FPP - Could Not Sample																	
	8/1/2022	FPP - Could Not Sample																	
	8/9/2023	FPP - Could Not Sample																	
MW-44	8/5/2024	FPP - Could Not Sample																	
	8/19/2021	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<4.0	<2.0	<10	<1.0	<1.0	<1.0	<1.0	<3.0	<3.0	<1.0	<1.0	
	8/1/2022	<1.0	<1.0	<1.0	<1.5	0.81 J	<4.0	0.80 J	<2.0	7.2 J	<1.0	<1.0	<1.0	<1.0	<3.0	<3.0	<1.0	<1.0	
	8/11/2023	9.3	5.9	83	63	1.2	<4.0	<4.0	7.5	<10	3.4	55	<1.0	<1.0	<3.0	12	<1.0	<1.0	
MW-52	8/12/2024	<0.23	<0.25	<0.21	<0.37	0.61 J	<2.0	<2.0	<0.24	<2.5	<0.18	<0.12	<0.18	<0.20	<0.13	<0.11	<0.14	<0.24	
	4/28/2021	<1.0	<1.0	<1.0	<1.5	<1.0	---	---	---	---	---	---	---	---	---	---	---	---	
	4/28/2021	<1.0	<1.0	<1.0	<1.5	<1.0	---	---	---	---	---	---	---	---	---	---	---	---	
	8/18/2021	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<4.0	<2.0	<10	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	
	4/12/2022	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<4.0	<2.0	<10	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	
	8/2/2022	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<4.0	<2.0	9.1 J	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	
	4/27/2023	<1.0	<1.0	<1.0	<1.5	<1.0	---	---	---	---	---	---	---	---	---	---	---	---	
	4/27/2023	<1.0	<1.0	<1.0	<1.5	<1.0	---	---	---	---	---	---	---	---	---	---	---	---	
8/17/2023	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<4.0	<2.0	<10	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0		
8/12/2024	<0.23	<0.25	<0.21	<0.37	<0.39	<2.0	<2.0	<0.24	<2.5	<0.18	<0.12	<0.18	<0.20	<0.13	<0.11	<0.14	<0.24		

**Notes:**  
  = Analytical Results Exceed the Respective Screening Level  
  = Field Duplicate sample  
**Bold** = Detected at Concentration Above Reporting Limit  
Red = Laboratory method detection limit exceeds screening level  
 MW = Monitoring Well  
 < = Result is below laboratory method detection limit  
 --- = Specific analyte not sampled  
 µg/L = micrograms per liter

J = Result is estimated  
 NMED = New Mexico Environment Department  
 NMAC = New Mexico Administrative Code  
 - = Not applicable/No screening level for specific analyte  
 EPA = Environmental Protection Agency  
 RSL = Regional Screening Level  
 FPP = Free Product Present  
 Not on Plan = Sample Not Required Per 2014 Facility-Wide Groundwater Monitoring Plan



**TABLE 3B**  
**TERMINAL WELLS ANALYTICAL SUMMARY -**  
**TOTAL PETROLEUM HYDROCARBONS**  
 Bloomfield Terminal 2024 Annual Report  
 Western Refining Southwest LLC  
 San Juan County, New Mexico

Sample Location	Sample Date	Diesel Range Organics (mg/L)	Gasoline Range Organics (mg/L)	Motor Oil Range Organics (mg/L)
Screening Source		NMED Soil Screening Guidance Table 6-4		
Screening Levels		0.0167	0.0101	0.0858
RW-1	8/18/2021	2.2	1.9	---
	8/1/2022	Sheen Observed - Could Not Sample		
	8/10/2023	23.0	1.4	<5.0
	8/8/2024	Sheen Observed - Could Not Sample		
MW-4	8/16/2021	1.3	1.7	---
	8/3/2022	2.2	1.0	<0.080
	8/9/2023	FPP - Could Not Sample		
	8/7/2024	110	15	<4.0
MW-8	8/1/2022	Not on Plan		
	4/27/2023	---	---	---
	8/7/2024	0.090 J	<0.013	<0.070
RW-9	8/1/2022	Sheen Observed - Could Not Sample		
	8/10/2023	4.3	12	<5.0
	8/9/2024	Sheen Observed - Could Not Sample		
RW-15	8/19/2021	2.0	3.3	---
	8/1/2022	FPP - Could Not Sample		
	8/9/2023	FPP - Could Not Sample		
	8/9/2024	FPP - Could Not Sample		
RW-18	8/1/2022	Well Could Not Be Accessed		
	8/9/2023	Well Could Not Be Accessed		
	8/9/2024	Well Could Not Be Accessed		
MW-20	4/11/2022	Sheen Observed - Could Not Sample		
	8/1/2022	Sheen Observed - Could Not Sample		
	4/24/2023	FPP - Could Not Sample		
	8/9/2023	FPP - Could Not Sample		
	4/16/2024	FPP - Could Not Sample		
	8/9/2024	FPP - Could Not Sample		
MW-21	8/20/2021	<1.0	<0.50	---
	8/1/2022	Sheen Observed - Could Not Sample		
	8/9/2023	FPP - Could Not Sample		
	8/9/2024	Sheen Observed - Could Not Sample		
RW-23	8/2/2022	Sheen Observed - Could Not Sample		
	8/10/2023	7.9	5.6	<5.0
	8/9/2024	Sheen Observed - Could Not Sample		





**TABLE 3B**  
**TERMINAL WELLS ANALYTICAL SUMMARY -**  
**TOTAL PETROLEUM HYDROCARBONS**  
 Bloomfield Terminal 2024 Annual Report  
 Western Refining Southwest LLC  
 San Juan County, New Mexico

Sample Location	Sample Date	Diesel Range Organics (mg/L)	Gasoline Range Organics (mg/L)	Motor Oil Range Organics (mg/L)
Screening Source		NMED Soil Screening Guidance Table 6-4		
Screening Levels		0.0167	0.0101	0.0858
RW-28	8/1/2022	FPP - Could Not Sample		
	8/9/2023	FPP - Could Not Sample		
	8/5/2024	FPP - Could Not Sample		
MW-29	8/20/2021	<1.0	<0.50	---
	8/2/2022	0.069	<0.050	<0.080
	8/2/2022	0.10	<0.050	<0.080
	8/10/2023	<1.0	<0.50	<5.0
	8/12/2024	0.17 J	<0.013	<0.070
MW-30	4/11/2022	Sheen Observed - Could Not Sample		
	8/2/2022	Sheen Observed - Could Not Sample		
	4/27/2023	---	---	---
	8/11/2023	1.7	15	<5.0
	4/17/2024	---	---	---
	8/12/2024	Sheen Observed - Could Not Sample		
MW-31	8/24/2021	<1.0	0.91	---
	8/2/2022	1.5	0.36	0.94
	8/22/2023	0.40	<1.0	<5.0
	8/26/2024	0.66 *1	0.62	<0.070
MW-40	8/18/2021	2.1	1.4	---
	8/1/2022	FPP - Could Not Sample		
	8/11/2023	22.0	2.0	<5.0
	8/8/2024	20 B	1.7	<7.0
	8/8/2024	6.6 J B	3.7	<3.5
RW-42	8/1/2022	Pump running in well - Not able to sample		
	8/9/2023	FPP - Could Not Sample		
	8/5/2024	FPP - Could Not Sample		
RW-43	8/1/2022	FPP - Could Not Sample		
	8/9/2023	FPP - Could Not Sample		
	8/5/2024	FPP - Could Not Sample		
MW-44	8/19/2021	<1.0	<0.050	---
	8/1/2022	0.072	<0.050	<0.080
	8/11/2023	<1.0	0.58	<5.0
	8/12/2024	0.071 J	0.013 J	<0.070



**TABLE 3B**  
**TERMINAL WELLS ANALYTICAL SUMMARY -**  
**TOTAL PETROLEUM HYDROCARBONS**  
 Bloomfield Terminal 2024 Annual Report  
 Western Refining Southwest LLC  
 San Juan County, New Mexico

Sample Location	Sample Date	Diesel Range Organics (mg/L)	Gasoline Range Organics (mg/L)	Motor Oil Range Organics (mg/L)
<b>Screening Source</b>		NMED Soil Screening Guidance Table 6-4		
<b>Screening Levels</b>		<b>0.0167</b>	<b>0.0101</b>	<b>0.0858</b>
<b>MW-52</b>	4/28/2021	---	---	---
	4/28/2021	---	---	---
	8/18/2021	<1.0	<0.050	---
	4/13/2022	---	---	---
	8/2/2022	<b>0.098</b>	<0.050	<b>0.062</b>
	4/27/2023	---	---	---
	4/27/2023	---	---	---
	8/17/2023	<1.0	<0.050	<5.0
8/12/2024	<b>0.084 J</b>	<0.013	<0.070	

**Notes:**

- = Analytical results exceeds the respective screening level
- = Field Duplicate sample

**Bold** = Detected at concentration above reporting limit

**Red** = Laboratory method detection limit exceeds screening level

MW = Monitoring Well

< = Result is below laboratory method detection limit

--- = Specific analyte not sampled

µg/L = micrograms per liter

J = Result is estimated

B = Compound was found in the blank and sample

\*1 = Lab control sample/lab control duplicate sample relative percent difference exceeds control limits

mg/L = Milligrams per liter

NMED = New Mexico Environment Department

FPP = Free Product Present

Not on Plan = Sample Not Required Per 2014 Facility-Wide Groundwater Monitoring Plan



**TABLE 3C**  
**TERMINAL WELLS ANALYTICAL SUMMARY - ANIONS**  
 Bloomfield Terminal 2024 Annual Report  
 Western Refining Southwest LLC  
 San Juan County, New Mexico

Sample Location	Sample Date	Fluoride (mg/L)	Chloride (mg/L)	Nitrite (mg/L)	Bromide (mg/L)	Nitrate (mg/L)	Phosphorus (mg/L)	Sulfate (mg/L)	Carbon Dioxide (CO <sub>2</sub> ) (mg/L)	Alkalinity (CaCO <sub>3</sub> ) (mg/L)	Bicarbonate (CaCO <sub>3</sub> ) (mg/L)	
<b>Screening Source</b>		<b>Anions - NMAC 20.6.2</b>					<b>Anions - NMAC 20.6.2</b>					
<b>Screening Levels</b>		<b>1.6</b>	<b>250</b>	<b>1.0</b>	<b>-</b>	<b>10</b>	<b>-</b>	<b>600</b>	<b>-</b>	<b>-</b>	<b>-</b>	
RW-1	8/18/2021	---	---	---	---	---	---	---	---	---	---	
	8/1/2022	Sheen Observed - Could Not Sample										
	8/10/2023	<0.50	320	<1.0*	3.5	<1.0*	<2.5	120	---	1,349	1,349	
	8/8/2024	Sheen Observed - Could Not Sample										
MW-4	8/16/2021	---	---	---	---	---	---	---	---	---	---	
	8/3/2022	<0.50	280	<0.50	5.1	<0.50	<2.5	3	1,200	1,314	1,314	
	8/9/2023	FPP - Could Not Sample										
	8/7/2024	<0.46	240	<0.12	4.9	<0.20	<2.5	<2.5	---	---	---	
MW-8	8/1/2022	Not on Plan										
	4/27/2023	---	---	---	---	---	---	---	---	---	---	
	8/7/2024	0.38	350	<0.012	1.1	7.2	<0.25	920	---	180	180	
RW-9	8/1/2022	Sheen Observed - Could Not Sample										
	8/10/2023	<0.50	770	<1.0*	7.8	<1.0*	<2.5	3.6	---	1,296	1,296	
	8/9/2024	Sheen Observed - Could Not Sample										
RW-15	8/19/2021	---	---	---	---	---	---	---	---	---	---	
	8/1/2022	FPP - Could Not Sample										
	8/9/2023	FPP - Could Not Sample										
	8/9/2024	FPP - Could Not Sample										
RW-18	8/1/2022	Well Could Not Be Accessed										
	8/9/2023	Well Could Not Be Accessed										
	8/9/2024	Well Could Not Be Accessed										
MW-20	4/11/2022	Sheen Observed - Could Not Sample										
	8/1/2022	Sheen Observed - Could Not Sample										
	4/24/2023	FPP - Could Not Sample										
	8/9/2023	FPP - Could Not Sample										
	4/16/2024	FPP - Could Not Sample										
	8/9/2024	FPP - Could Not Sample										



<b>TABLE 3C</b> <b>TERMINAL WELLS ANALYTICAL SUMMARY - ANIONS</b> Bloomfield Terminal 2024 Annual Report Western Refining Southwest LLC San Juan County, New Mexico											
Sample Location	Sample Date	Fluoride (mg/L)	Chloride (mg/L)	Nitrite (mg/L)	Bromide (mg/L)	Nitrate (mg/L)	Phosphorus (mg/L)	Sulfate (mg/L)	Carbon Dioxide (CO <sub>2</sub> ) (mg/L)	Alkalinity (CaCO <sub>3</sub> ) (mg/L)	Bicarbonate (CaCO <sub>3</sub> ) (mg/L)
Screening Source		Anions - NMAC 20.6.2					Anions - NMAC 20.6.2				
Screening Levels		1.6	250	1.0	-	10	-	600	-	-	-
MW-21	8/20/2021	---	---	---	---	---	---	---	---	---	---
	8/1/2022	Sheen Observed - Could Not Sample									
	8/9/2023	FPP - Could Not Sample									
	8/9/2024	Sheen Observed - Could Not Sample									
RW-23	8/2/2022	Sheen Observed - Could Not Sample									
	8/10/2023	<0.50	310	<1.0*	4.6	<1.0*	<2.5	50	---	1,147	1,147
	8/9/2024	Sheen Observed - Could Not Sample									
RW-28	8/1/2022	FPP - Could Not Sample									
	8/9/2023	FPP - Could Not Sample									
	8/5/2024	FPP - Could Not Sample									
MW-29	8/20/2021	---	---	---	---	---	---	---	---	---	---
	8/2/2022	0.10	320	<0.10	2.2	27	<10	840	310	334	334
	8/2/2022	0.10	320	<0.10	2.2	28	<10	850	310	335	335
	8/10/2023	<0.50	370	<0.50	5.2	32	<2.5	1,100	---	521.4	521.4
	8/12/2024	0.53	380	23*	4.9	23*	<1.3 H	950	640 HF	690	690
MW-30	4/11/2022	Sheen Observed - Could Not Sample									
	8/2/2022	Sheen Observed - Could Not Sample									
	4/27/2023	---	---	---	---	---	---	---	---	---	---
	8/11/2023	<0.50	220	<1.0*	4.0	<1.0*	<2.5	60	1,100	1,213	1,213
	4/17/2024	---	---	---	---	---	---	---	---	---	---
MW-31	8/24/2021	---	---	---	---	---	---	---	---	---	---
	8/2/2022	0.27 J	160	<0.50	3.2	<0.50	<2.5	120	970	1,127	1,127
	8/22/2023	<0.50	120	<0.50	2.7	<0.50	<2.5	98	1,000	1,149	1,149
	8/26/2024	<0.46	130	<0.12	2.7	<0.20	<2.5	420	830 HF	900	900



**TABLE 3C**  
**TERMINAL WELLS ANALYTICAL SUMMARY - ANIONS**  
 Bloomfield Terminal 2024 Annual Report  
 Western Refining Southwest LLC  
 San Juan County, New Mexico

Sample Location	Sample Date	Fluoride (mg/L)	Chloride (mg/L)	Nitrite (mg/L)	Bromide (mg/L)	Nitrate (mg/L)	Phosphorus (mg/L)	Sulfate (mg/L)	Carbon Dioxide (CO <sub>2</sub> ) (mg/L)	Alkalinity (CaCO <sub>3</sub> ) (mg/L)	Bicarbonate (CaCO <sub>3</sub> ) (mg/L)
Screening Source		Anions - NMAC 20.6.2					Anions - NMAC 20.6.2				
Screening Levels		1.6	250	1.0	-	10	-	600	-	-	-
MW-40	8/18/2021	---	---	---	---	---	---	---	---	---	---
	8/1/2022	FPP - Could Not Sample									
	8/11/2023	<0.50	260	<1.0*	4.9	<1.0*	<2.5	<2.5	1,100	1,189	1,189
	8/8/2024	---	---	---	---	---	---	---	---	---	---
	8/8/2024	---	---	---	---	---	---	---	---	---	---
RW-42	8/1/2022	Pump running in well - Not able to sample									
	8/9/2023	FPP - Could Not Sample									
	8/5/2024	FPP - Could Not Sample									
RW-43	8/1/2022	FPP - Could Not Sample									
	8/9/2023	FPP - Could Not Sample									
	8/5/2024	FPP - Could Not Sample									
MW-44	8/19/2021	---	---	---	---	---	---	---	---	---	---
	8/1/2022	<0.50	55	---	<0.50	---	<2.5	2,700	340	357	357
	8/11/2023	<2.0	50	<1.0*	<0.10	<1.0*	<10	2,900	34	376.9	376.9
	8/12/2024	0.5	54	<0.11*	<0.25	<0.11*	<1.3 H	2,900	350 HF	370	370
MW-52	4/28/2021	---	---	---	---	---	---	---	---	---	---
	4/28/2021	---	---	---	---	---	---	---	---	---	---
	8/18/2021	---	---	---	---	---	---	---	---	---	---
	4/13/2022	---	---	---	---	---	---	---	---	---	---
	8/2/2022	0.19	560	<2.0	3.2	44	<10	1,400	120	118	118
	4/27/2023	---	---	---	---	---	---	---	---	---	---
	4/27/2023	---	---	---	---	---	---	---	---	---	---
	8/11/2023	<0.50	1,100	33*	2.8	33*	<2.5	1,300	140	142.3	142.3
8/12/2024	1.2	430	11*	1.4	11*	<1.3 H	980	160 HF	160	160	

**Notes:**

- = Analytical results exceeds the respective screening level
- = Field Duplicate sample

H/HF = Sample was prepped or analyzed beyond the specified holding time  
 mg/L = Milligrams per liter



**TABLE 3C**  
**TERMINAL WELLS ANALYTICAL SUMMARY - ANIONS**  
 Bloomfield Terminal 2024 Annual Report  
 Western Refining Southwest LLC  
 San Juan County, New Mexico

Sample Location	Sample Date	Fluoride (mg/L)	Chloride (mg/L)	Nitrite (mg/L)	Bromide (mg/L)	Nitrate (mg/L)	Phosphorus (mg/L)	Sulfate (mg/L)	Carbon Dioxide (CO <sub>2</sub> ) (mg/L)	Alkalinity (CaCO <sub>3</sub> ) (mg/L)	Bicarbonate (CaCO <sub>3</sub> ) (mg/L)	
<b>Screening Source</b>		<b>Anions - NMAC 20.6.2</b>					<b>Anions - NMAC 20.6.2</b>					
<b>Screening Levels</b>		<b>1.6</b>	<b>250</b>	<b>1.0</b>	<b>-</b>	<b>10</b>	<b>-</b>	<b>600</b>	<b>-</b>	<b>-</b>	<b>-</b>	

**Bold** = Detected at concentration above reporting limit

**Red** = Laboratory method detection limit exceeds screening level

MW = Monitoring Well

< = Result is below laboratory method detection limit

--- = Specific analyte not sampled

J = Result is estimated

NMAC = New Mexico Administrative Code

- = Not applicable/No screening level for specific analyte

FPP = Free Product Present

Not on Plan = Sample Not Required Per 2014 Facility-Wide Groundwater Monitoring Plan

\* = Nitrate & Nitrite value is a combined result



<b>TABLE 3D</b> <b>TERMINAL WELLS ANALYTICAL SUMMARY - TOTAL METALS</b> Bloomfield Terminal 2024 Annual Report Western Refining Southwest LLC San Juan County, New Mexico									
Sample Location	Sample Date	Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Lead (mg/L)	Selenium (mg/L)	Silver (mg/L)	Mercury (mg/L)
Screening Source		Total Metals - NMAC 20.6.2							
Screening Levels		0.01	2.0	0.005	0.05	0.015	0.05	0.05	0.002
RW-1	8/18/2021	<0.0010	1.8	<0.0020	0.0062	0.0021	<0.0010	<0.0050	<0.00020
	8/1/2022	Sheen Observed - Could Not Sample							
	8/10/2023	0.0019	1.3	<0.0020	0.018	0.0023	0.0013	<0.0050	<0.00020
	8/8/2024	FPP - Could Not Sample							
MW-4	8/16/2021	0.022	2.2	<0.00050	0.041	0.0054	<0.0010	<0.0005	<0.00020
	8/3/2022	0.0054	2.3	<0.0020	<0.0060	0.00068	0.0006	<0.005	<0.00020
	8/9/2023	FPP - Could Not Sample							
	8/7/2024	0.030	2.3	<0.0025	0.084	<0.012	<0.0040	<0.0025	<0.00012
MW-8	8/1/2022	Not on Plan							
	4/27/2023	---	---	---	---	---	---	---	---
	8/7/2024	---	---	---	---	---	---	---	---
RW-9	8/1/2022	Sheen Observed - Could Not Sample							
	8/10/2023	0.012	3.1	<0.0020	0.047	0.011	0.0022	<0.0050	<0.00020
	8/9/2024	Sheen Observed - Could Not Sample							
RW-15	8/19/2021	<0.010	0.91	<0.0020	<0.0060	<0.0050	<0.010	<0.0050	<0.00020
	8/1/2022	FPP - Could Not Sample							
	8/9/2023	FPP - Could Not Sample							
	8/9/2024	FPP - Could Not Sample							
RW-18	8/1/2022	Well Could Not Be Accessed							
	8/9/2023	FPP - Could Not Sample							
	8/9/2024	Well Could Not Be Accessed							



<b>TABLE 3D</b> <b>TERMINAL WELLS ANALYTICAL SUMMARY - TOTAL METALS</b> Bloomfield Terminal 2024 Annual Report Western Refining Southwest LLC San Juan County, New Mexico									
Sample Location	Sample Date	Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Lead (mg/L)	Selenium (mg/L)	Silver (mg/L)	Mercury (mg/L)
Screening Source		Total Metals - NMAC 20.6.2							
Screening Levels		0.01	2.0	0.005	0.05	0.015	0.05	0.05	0.002
MW-20	4/11/2022	Sheen Observed - Could Not Sample							
	8/1/2022	Sheen Observed - Could Not Sample							
	4/24/2023	FPP - Could Not Sample							
	8/9/2023	FPP - Could Not Sample							
	4/16/2024	FPP - Could Not Sample							
	8/9/2024	FPP - Could Not Sample							
MW-21	8/20/2021	<0.0010	<b>0.58</b>	<0.0020	<0.0060	<0.00050	<0.0010	<0.0050	<0.00020
	8/1/2022	Sheen Observed - Could Not Sample							
	8/9/2023	FPP - Could Not Sample							
	8/9/2024	Sheen Observed - Could Not Sample							
RW-23	8/2/2022	Sheen Observed - Could Not Sample							
	8/10/2023	<b>0.0036</b>	<b>1.9</b>	<0.0020	<0.0060	<b>0.011</b>	<b>0.0018</b>	<0.0050	<0.00020
	8/9/2024	Sheen Observed - Could Not Sample							
RW-28	8/1/2022	FPP - Could Not Sample							
	8/9/2023	FPP - Could Not Sample							
	8/5/2024	FPP - Could Not Sample							
MW-29	8/20/2021	<b>0.0011</b>	<b>0.028</b>	<0.0020	<0.0060	<0.00050	<b>0.0025</b>	<0.0050	<0.00020
	8/2/2022	<b>0.0013</b>	<b>0.057</b>	<0.0020	<0.0060	<0.0025	<b>0.013</b>	<0.0050	<b>0.000092 J</b>
	8/2/2022	<b>0.0013</b>	<b>0.059</b>	<0.0020	<0.0060	<0.0025	<b>0.013</b>	<0.0050	<0.00020
	8/10/2023	<b>0.0036</b>	<b>0.27</b>	<0.0020	<0.0060	<b>0.0024</b>	<b>0.027</b>	<b>0.0061</b>	<0.00020
	8/12/2024	<b>0.0025 J</b>	<b>0.13</b>	<0.0025	<0.0025	<b>0.022</b>	<b>0.028</b>	<0.0025	<0.00012





<b>TABLE 3D</b> <b>TERMINAL WELLS ANALYTICAL SUMMARY - TOTAL METALS</b> Bloomfield Terminal 2024 Annual Report Western Refining Southwest LLC San Juan County, New Mexico									
Sample Location	Sample Date	Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Lead (mg/L)	Selenium (mg/L)	Silver (mg/L)	Mercury (mg/L)
Screening Source		Total Metals - NMAC 20.6.2							
Screening Levels		0.01	2.0	0.005	0.05	0.015	0.05	0.05	0.002
MW-30	4/11/2022	Sheen Observed - Could Not Sample							
	8/2/2022	Sheen Observed - Could Not Sample							
	4/27/2023	---	---	---	---	---	---	---	---
	8/11/2023	0.0011	0.67	<0.0020	0.014	0.0014	<0.0010	<0.0050	<0.00020
	4/17/2024	---	---	---	---	---	---	---	---
	8/12/2024	Sheen Observed - Could Not Sample							
MW-31	8/24/2021	<0.010	0.55	<0.0020	<0.0060	<0.0050	<0.010	<0.0050	<0.0020
	8/2/2022	0.00091 J	0.58	<0.0020	<0.0060	<0.0025	<0.0010	<0.0050	<0.00020
	8/22/2023	<0.0010	0.39	<0.0020	<0.0060	<0.0050	0.0016	<0.0050	<0.00020
	8/26/2024	<0.0025	0.43	<0.0025	0.0081	0.0049 J	0.0046 J	<0.0050	<0.00012
MW-40	8/18/2021	0.0026	2	<0.0020	<0.0060	0.0018	<0.0010	<0.0050	<0.00020
	8/2/2022	FPP - Could Not Sample							
	8/11/2023	0.0089	2.3	<0.0020	0.0082	0.0091	0.0023	<0.0050	<0.00020
	8/8/2024	---	---	---	---	---	---	---	---
	8/8/2024	---	---	---	---	---	---	---	---
RW-42	8/1/2022	Pump running in well - Not able to sample							
	8/9/2023	FPP - Could Not Sample							
	8/5/2024	FPP - Could Not Sample							
RW-43	8/1/2022	FPP - Could Not Sample							
	8/9/2023	FPP - Could Not Sample							
	8/5/2024	FPP - Could Not Sample							



<b>TABLE 3D</b> <b>TERMINAL WELLS ANALYTICAL SUMMARY - TOTAL METALS</b> Bloomfield Terminal 2024 Annual Report Western Refining Southwest LLC San Juan County, New Mexico									
Sample Location	Sample Date	Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Lead (mg/L)	Selenium (mg/L)	Silver (mg/L)	Mercury (mg/L)
Screening Source		Total Metals - NMAC 20.6.2							
Screening Levels		0.01	2.0	0.005	0.05	0.015	0.05	0.05	0.002
MW-44	8/19/2021	<0.010	<b>0.015</b>	<0.0020	<0.0060	<0.0050	<0.010	<0.0050	<0.00020
	8/1/2022	<0.0050	<b>0.016</b>	<0.0020	<0.0060	<0.0025	<0.0050	<b>0.0023 J</b>	<0.00020
	8/11/2023	<0.0010	<b>0.047</b>	<0.0020	<b>0.035</b>	<0.010	<b>0.0010</b>	<b>0.0097</b>	<0.00020
	8/12/2024	<0.025	<b>0.11</b>	<0.025	<b>0.025</b>	<0.030	<0.040	<0.025	<0.00012
MW-52	4/28/2021	---	---	---	---	---	---	---	---
	4/28/2021	---	---	---	---	---	---	---	---
	8/18/2021	<0.0050	<b>0.016</b>	<0.0020	<0.0060	<0.00050	<b>0.04</b>	<0.0050	<0.00020
	4/13/2022	---	---	---	---	---	---	---	---
	8/2/2022	<b>0.0011</b>	<b>0.018</b>	<0.0020	<0.0060	<0.0025	<b>0.056</b>	<b>0.0021 J</b>	<b>0.000093 J</b>
	4/27/2023	---	---	---	---	---	---	---	---
	4/27/2023	---	---	---	---	---	---	---	---
	8/17/2023	<0.0050	<b>0.027</b>	<0.0020	<0.0060	<0.0050	<b>0.11</b>	<b>0.013</b>	<0.00020
8/12/2024	<b>0.0039 J</b>	<b>0.069</b>	<0.0025	<0.0025	<0.012	<b>0.048</b>	<0.0025	<0.00012	

**Notes:**

  = Analytical results exceeds the respective screening level

  = Field Duplicate sample

**Bold** = Detected at concentration above reporting limit

**Red** = Laboratory method detection limit exceeds screening level

MW = Monitoring Well

< = Result is below laboratory method detection limit

Not on Plan = Sample Not Required Per 2014 Facility-Wide Groundwater Monitoring Plan

--- = Specific analyte not sampled

J = Result is estimated

mg/L = Milligrams per liter

NMAC = New Mexico Administrative Code

FPP = Free Product Present



**TABLE 3E**  
**TERMINAL WELLS ANALYTICAL SUMMARY - DISSOLVED METALS**  
 Bloomfield Terminal 2024 Annual Report  
 Western Refining Southwest LLC  
 San Juan County, New Mexico

Sample Location	Sample Date	Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Sodium (mg/L)	Uranium (mg/L)	Zinc (mg/L)
<b>Screening Source</b>		<b>Dissolved Metals - NMAC 20.6.2</b>															
<b>Screening Levels</b>		<b>0.01</b>	<b>2.0</b>	<b>0.005</b>	<b>-</b>	<b>0.05</b>	<b>1.0</b>	<b>1.0</b>	<b>0.015</b>	<b>-</b>	<b>0.2</b>	<b>-</b>	<b>0.05</b>	<b>0.05</b>	<b>-</b>	<b>0.03</b>	<b>10.0</b>
RW-1	8/18/2021	0.0034	1.7	<0.0020	140	<0.0060	<0.0010	14	<0.00050	41	4	5	<0.0010	<0.0050	370	---	0.01
	8/1/2022	Sheen Observed - Could Not Sample															
	8/10/2023	<0.010	0.71	<0.0020	130	0.0083	<0.0010	5.5	<0.010	71	1.4	5.0	<0.010	<0.0050	690	<0.010	<0.020
	8/8/2024	Sheen Observed - Could Not Sample															
MW-4	8/16/2021	0.015	2	<0.00050	120	<0.0060	0.0012	4.5	<0.00050	51	1.4	6	<0.0010	<0.0050	590	---	0.02
	8/3/2022	0.0069	2.4	<0.0020	120	<0.0060	<0.0010	7	0.00039	64	1.4	4.6	0.0011	0.0018	550	<0.00050	0.0053
	8/9/2023	FPP - Could Not Sample															
	8/7/2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-8	8/1/2022	Not on Plan															
	4/27/2023	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	8/7/2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
RW-9	8/1/2022	Sheen Observed - Could Not Sample															
	8/10/2023	0.010	2.8	<0.0020	280	0.014	<0.010	1.2	<0.010	110	3.6	4.7	<0.010	0.0054	650	<0.010	<0.020
	8/9/2024	Sheen Observed - Could Not Sample															
RW-15	8/19/2021	<0.0010	0.86	<0.00020	140	<0.0060	0.002	5.1	<0.00050	45	2.5	4.1	<0.0010	<0.0050	600	---	0.04
	8/1/2022	FPP - Could Not Sample															
	8/9/2023	FPP - Could Not Sample															
	8/9/2024	FPP - Could Not Sample															
RW-18	8/1/2022	Well Could Not Be Accessed															
	8/9/2023	FPP - Could Not Sample															
	8/9/2024	Well Could Not Be Accessed															
MW-20	4/11/2022	Sheen Observed - Could Not Sample															
	8/1/2022	Sheen Observed - Could Not Sample															
	4/24/2023	FPP - Could Not Sample															
	8/9/2023	FPP - Could Not Sample															
	4/16/2024	FPP - Could Not Sample															
MW-21	8/20/2021	<0.0010	0.58	<0.0020	140	<0.00060	<0.0010	0.39	<0.00050	40	1.4	3.1	0.0017	<0.0050	540	---	<0.010
	8/1/2022	Sheen Observed - Could Not Sample															
	8/9/2023	FPP - Could Not Sample															
	8/9/2024	Sheen Observed - Could Not Sample															
RW-23	8/2/2022	Sheen Observed - Could Not Sample															
	8/10/2023	<0.010	1.6	<0.0020	190	<0.0060	<0.010	3.3	<0.010	71	4.9	4.3	<0.010	<0.0050	390	<0.0010	<0.020
	8/9/2024	Sheen Observed - Could Not Sample															
RW-28	8/1/2022	FPP - Could Not Sample															
	8/9/2023	FPP - Could Not Sample															
	8/5/2024	FPP - Could Not Sample															
MW-29	8/20/2021	<0.0010	0.02	<0.0020	92	<0.0060	<0.0010	<0.020	<0.00050	20	1.1	1.9	0.0024	<0.0050	110	---	<0.010
	8/2/2022	0.00071 J	0.046	<0.0020	270	<0.0060	<0.0050	<0.020	<0.0025	53	0.76	3.2	0.01	0.005	320	0.0076	0.0047
	8/2/2022	0.0012	0.046	<0.0020	280	<0.0060	0.0012	<0.020	<0.00050	52	0.73	3.1	0.013	0.005	320	0.0084	0.0079
	8/10/2023	<0.010	0.061	<0.0020	390	<0.0060	<0.010	<0.020	<0.010	79	0.96	4.4	0.019	0.0083	570	0.021	<0.020
	8/12/2024	<0.010	0.058	<0.010	310	<0.010	<0.010	<1.7	<0.010	71 J	0.87	5.9	0.026	<0.010	560	0.024	<0.49



**TABLE 3E**  
**TERMINAL WELLS ANALYTICAL SUMMARY - DISSOLVED METALS**  
 Bloomfield Terminal 2024 Annual Report  
 Western Refining Southwest LLC  
 San Juan County, New Mexico

Sample Location	Sample Date	Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Sodium (mg/L)	Uranium (mg/L)	Zinc (mg/L)
<b>Screening Source</b>		<b>Dissolved Metals - NMAC 20.6.2</b>															
<b>Screening Levels</b>		<b>0.01</b>	<b>2.0</b>	<b>0.005</b>	-	<b>0.05</b>	<b>1.0</b>	<b>1.0</b>	<b>0.015</b>	-	<b>0.2</b>	-	0.05	0.05	-	0.03	10.0
MW-30	4/11/2022	Sheen Observed - Could Not Sample															
	8/2/2022	Sheen Observed - Could Not Sample															
	4/27/2023	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	8/11/2023	<0.010	<b>0.46</b>	<0.0020	<b>130</b>	<0.0060	<0.010	<b>0.057</b>	<0.010	<b>40</b>	<b>1.5</b>	<b>3.0</b>	<0.010	<0.0050	<b>570</b>	<0.010	<0.020
	4/17/2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
8/12/2024	Sheen Observed - Could Not Sample																
MW-31	8/24/2021	<0.020	<b>0.52</b>	<0.0020	<b>82</b>	<0.0060	<0.020	<b>0.049</b>	<0.010	<b>28</b>	<b>0.37</b>	<b>3</b>	<0.020	<0.0050	<b>470</b>	<0.010	<0.010
	8/2/2022	<b>0.0013</b>	<b>0.53</b>	<0.0020	<b>89</b>	<0.0060	<0.0010	<b>0.015 J</b>	<0.00050	<b>34</b>	<b>0.34</b>	<b>3.1</b>	<b>0.00086 J</b>	<b>0.0019 J</b>	<b>520</b>	<b>0.00021 J</b>	<b>0.0053 J</b>
	8/22/2023	<0.010	<b>0.43</b>	<0.0020	<b>84</b>	<0.0060	<0.010	<b>0.037</b>	<0.010	<b>36</b>	<b>0.31</b>	<b>3.2</b>	<0.010	<0.0050	<b>530</b>	<0.010	<0.020
	8/26/2024	<0.010	<b>0.14</b>	<0.010	<b>120</b>	<0.010	<0.010	<b>0.14</b>	<0.010	<b>28</b>	<b>0.082</b>	<b>5.3</b>	<0.016	<0.010	<b>500</b>	<0.010	<b>0.012 J</b>
MW-40	8/18/2021	<b>0.0022</b>	<b>2</b>	<0.0020	<b>100</b>	<0.0060	<0.010	<b>5.3</b>	<0.00050	<b>44</b>	<b>2.4</b>	<b>3.5</b>	<0.0010	<0.0050	<b>500</b>	---	<b>0.011</b>
	8/2/2022	FPP - Could Not Sample															
	8/9/2023	<0.010	<b>2.0</b>	<0.0020	<b>120</b>	<0.0060	<0.010	<b>5.0</b>	<0.010	<b>49</b>	<b>2.5</b>	<b>3.7</b>	<0.010	<0.0050	<b>550</b>	<0.010	<b>0.11</b>
	8/8/2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	8/8/2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
RW-42	8/1/2022	Pump running in well - Not able to sample															
	8/9/2023	FPP - Could Not Sample															
	8/5/2024	FPP - Could Not Sample															
RW-43	8/1/2022	FPP - Could Not Sample															
	8/9/2023	FPP - Could Not Sample															
	8/5/2024	FPP - Could Not Sample															
MW-44	8/19/2021	<0.0010	<b>0.011</b>	<0.0020	<b>470</b>	<0.0060	<0.0010	<b>0.19</b>	<0.00050	<b>73</b>	<b>2.3</b>	<b>8.3</b>	<0.0010	<0.0050	<b>960</b>	---	<0.010
	8/1/2022	<b>0.00092 J</b>	<b>0.0092</b>	<0.0020	<b>490</b>	<0.0060	<0.0050	<b>0.96</b>	<0.0025	<b>66</b>	<b>1.8</b>	<b>6.7</b>	<0.0050	<b>0.0083</b>	<b>950</b>	<b>0.00060 J</b>	<b>0.0053 J</b>
	8/11/2023	<0.010	<0.020	<0.0020	<b>470</b>	<0.0060	<0.010	<b>0.061</b>	<0.010	<b>67</b>	<b>0.61</b>	<b>7.1</b>	<0.010	<b>0.010</b>	<b>940</b>	<b>0.023</b>	<0.00020
	8/12/2024	<0.010	<b>0.014 J</b>	<0.010	<b>460</b>	<0.010	<0.010	<1.7	<0.010	<b>71 J</b>	<b>0.66</b>	<b>9.7</b>	<0.016	<0.010	<b>910</b>	<0.010	<0.49
MW-52	4/28/2021	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	4/28/2021	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	8/18/2021	<b>0.0012</b>	<b>0.016</b>	<0.0020	<b>280</b>	<0.0060	<b>0.001</b>	<b>0.047</b>	<0.00050	<b>81</b>	<b>4.2</b>	<b>4.7</b>	<b>0.042</b>	<0.0050	<b>600</b>	---	<b>0.052</b>
	4/13/2022	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	8/2/2022	<b>0.00090 J</b>	<b>0.012</b>	<0.0020	<b>420</b>	<0.0060	<0.0050	<b>0.021</b>	<0.0025	<b>120</b>	<b>5</b>	<b>4.4</b>	<b>0.059</b>	<b>0.0067</b>	<b>710</b>	<b>0.0028</b>	<b>0.057</b>
	4/27/2023	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	4/27/2023	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	8/17/2023	<0.010	<0.020	<0.0020	<b>470</b>	<0.0060	<0.010	<b>0.044</b>	<0.010	<b>120</b>	<b>0.49</b>	<b>5.1</b>	<b>0.11</b>	<b>0.014</b>	<b>830</b>	<0.010	<b>0.18</b>
8/12/2024	<0.010	<b>0.016 J</b>	<0.010	<b>170</b>	<0.010	<0.010	<b>0.028</b>	<0.010	<b>45</b>	<b>0.12</b>	<b>4.1</b>	<b>0.037</b>	<0.010	<b>410</b>	<0.010	<b>0.013 J</b>	

**Notes:**  
  = Analytical results exceeds the respective screening level  
  = Field Duplicate sample  
**Bold** = Detected at concentration above reporting limit  
Red = Laboratory method detection limit exceeds screening level  
 MW = Monitoring Well  
 < = Result is below laboratory method detection limit  
 --- = Specific analyte not sampled

J = Result is estimated  
 mg/L = Milligrams per liter  
 NMAC = New Mexico Administrative Code  
 - = Not applicable/No screening level for specific analyte  
 FPP = Free Product Present  
 Not on Plan = Sample Not Required Per 2014 Facility-Wide Groundwater Monitoring Plan



**TABLE 4A**  
**CROSS-GRADIENT WELLS ANALYTICAL SUMMARY - VOLATILE ORGANIC COMPOUNDS**  
 Bloomfield Terminal 2024 Annual Report  
 Western Refining Southwest LLC  
 San Juan County, New Mexico

Sample Location	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes, Total (µg/L)	Methyl tert-butyl ether (MTBE) (µg/L)	1-Methyl-naphthalene (µg/L)	2-Methyl-naphthalene (µg/L)	Naphthalene (µg/L)	Acetone (µg/L)	Isopropyl-benzene (µg/L)	1,2,4-Trimethyl-benzene (µg/L)	1,3,5-Trimethyl-benzene (µg/L)	4-Isopropyl-toluene (µg/L)	n-Butyl-benzene (µg/L)	n-Propyl-benzene (µg/L)	sec-Butyl-benzene (µg/L)
Screening Source		NMAC 20.6.2					NMED Soil Screening Guidance Table A-1 (Tap Water)					EPA RSL Tap Water THQ = 0.1					
Screening Levels		5	1,000	700	620	100	11	35	1	14,100	447	5.6	6.0	-	100	66	200
MW-1	4/28/2021	<1.0	<1.0	<1.0	<1.5	<1.0	---	---	---	---	---	---	---	---	---	---	---
	8/16/2021	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<4.0	<2.0	<10	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0
	4/13/2022	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<4.0	<2.0	<10	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0
	8/4/2022	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<4.0	<2.0	4.7 J	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0
	4/27/2023	<2.0	<2.0	<2.0	<3.0	<2.0	<4.0	<4.0	<2.0	<10	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0
	8/11/2023	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<4.0	<2.0	<10	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0
	4/17/2024	<1.0	<1.0	<1.0	<1.5	<1.0	---	---	---	---	---	---	---	---	---	---	---
8/7/2024	<0.23	<0.25	<0.21	<0.37	<0.39	<2.0	<2.0	<0.24	<2.5	<0.18	<0.12	<0.18	<0.20	<0.13	<0.11	<0.14	
MW-13	4/28/2021	<1.0	<1.0	<1.0	<1.5	1.8	---	---	---	---	---	---	---	---	---	---	---
	8/23/2021	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<4.0	<2.0	<10	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0
	4/13/2022	<1.0	<1.0	<1.0	<1.5	1.2	<4.0	<4.0	0.51 J	<10	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0
	8/5/2022	<1.0	<1.0	<1.0	1.5	1.3	<4.0	<4.0	<2.0	2.8 J	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0
	4/28/2023	<1.0	<1.0	<1.0	<1.5	<1.0	---	---	---	---	---	---	---	---	---	---	---
	4/28/2023	<1.0	<1.0	<1.0	<1.5	<1.0	---	---	---	---	---	---	---	---	---	---	---
	8/24/2023	<1.0	<1.0	<1.0	<1.5	1.1	<4.0	<4.0	<2.0	<10	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0
4/18/2024	<1.0	<1.0	<1.0	<1.5	<1.0	---	---	---	---	---	---	---	---	---	---	---	
8/13/2024	<0.23	<0.25	<0.21	0.38 J	1.0	<2.0	<2.0	<0.24	2.7 J	<0.18	<0.12	<0.18	<0.20	<0.13	<0.11	<0.14	
MW-26	8/17/2021	<1.0	<1.0	2.0	<1.5	<1.0	16	24	110	<10	54	<1.0	<1.0	<1.0	<3.0	68	9.9
	8/9/2022	0.28 J	<1.0	0.60 J	<1.5	<1.0	23	27	87 P	5.4 J	42	<1.0	<1.0	0.43 J	1.7 J	46	7.4
	8/24/2023	2.0	<5.0	<7.5	<1.5	<1.0	11	21	160	<10	68	<1.0	<1.0	<3.0	<3.0	86	12
	8/26/2024	1.1 J	<1.3	1.4 J	<1.9	<2.0	24	31	120	<13	60	<0.61	<0.91	<1.0	2.3 J	62	9.5
MW-27	8/23/2021	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<4.0	<2.0	<10	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0
	8/9/2022	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<4.0	<2.0	12	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0
	8/24/2023	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<4.0	<2.0	<10	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0
	8/8/2024	<0.23	<0.25	<0.21	<0.37	<0.39	<2.0	<2.0	0.33 J	<2.5	<0.18	<0.12	<0.18	<0.20	<0.13	<0.11	<0.14
MW-32	8/23/2021	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<4.0	<2.0	<10	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0
	8/23/2021	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<4.0	<2.0	<10	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0
	8/9/2022	<1.0	<1.0	<1.0	<1.5	<1.0	1.1 J	1.2 J	1.5 J	<10	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0
	8/24/2023	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<4.0	<2.0	<10	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0
	8/14/2024	<0.23	<0.25	<0.21	0.41 J	<0.39	<2.0	<2.0	1.2 J	<2.5	0.31 J	<0.12	<0.18	<0.20	<0.13	0.43 J	0.29 J
MW-33	4/28/2021	<1.0	<1.0	<1.0	<1.5	<1.0	---	---	---	---	---	---	---	---	---	---	---
	8/23/2021	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<4.0	<2.0	<10	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0
	4/12/2022	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<4.0	<2.0	<10	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0
	8/4/2022	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<4.0	<2.0	5.1 J	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0
	4/28/2023	<1.0	<1.0	<1.0	<1.5	<1.0	---	---	---	---	---	---	---	---	---	---	---
	8/24/2023	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<4.0	<2.0	<10	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0
	4/18/2024	<1.0	<1.0	<1.0	<1.5	<1.0	---	---	---	---	---	---	---	---	---	---	---
8/8/2024	<0.23 H	<0.25 H	<0.21 H	<0.37 H	<0.39 H	<2.0 H	<2.0 H	0.29 J H B	<2.5 H	<0.18 H	<0.12 H	<0.18 H	0.26 J H	0.37 J H	<0.11 H	0.24 J H	

Notes:

- = Analytical results exceeds the respective screening level
- = Field Duplicate sample
- Bold** = Detected at concentration above reporting limit
- Red** = Laboratory method detection limit exceeds screening level
- MW = Monitoring Well
- <** = Result is below laboratory method detection limit
- = Specific analyte not sampled
- µg/L** = micrograms per liter
- J** = Result is estimated
- H** = Sample was prepped or analyzed beyond the specified holding time
- B** = Compound was found in the blank and sample
- NMED = New Mexico Environment Department
- NMAC = New Mexico Administrative Code
- = Not applicable/No screening level for specific analyte
- EPA = Environmental Protection Agency
- RSL = Regional Screening Level



<b>TABLE 4B</b> <b>CROSS-GRADIENT WELLS ANALYTICAL SUMMARY -</b> <b>TOTAL PETROLEUM HYDROCARBONS</b> Bloomfield Terminal 2024 Annual Report Western Refining Southwest LLC San Juan County, New Mexico				
Sample Location	Sample Date	Diesel Range Organics (mg/L)	Gasoline Range Organics (mg/L)	Motor Oil Range Organics (mg/L)
Screening Source		NMED Soil Screening Guidance Table 6-4		
Screening Levels		0.0167	0.0101	0.0858
MW-1	4/28/2021	0.12	< 0.050	<0.60
	8/16/2021	<1.0	<0.050	---
	4/13/2022	0.098	<0.050	<0.080
	8/4/2022	0.036	<0.050	<0.080
	4/27/2023	<1.0	<0.10	<5.0
	8/11/2023	<1.0	<0.050	<5.0
	4/17/2024	<0.43	<0.10	<0.23
	8/7/2024	0.15 J	<0.013	<0.070
MW-13	4/28/2021	---	---	---
	8/23/2021	<1.0	<0.050	---
	4/13/2022	---	---	---
	8/5/2022	0.21	<0.050	<0.080
	4/28/2023	---	---	---
	4/28/2023	---	---	---
	8/24/2023	<1.0	<0.050	<5.0
	4/18/2024	---	---	---
	8/13/2024	0.30	<0.013	<0.070
MW-26	8/17/2021	1.5	1.6	---
	8/9/2022	2.0	0.47 P	<0.080
	8/24/2023	2.1	1.50	<5.0
	8/26/2024	2.6 *1	1.20	<0.070
MW-27	8/23/2021	<1.0	<0.050	---
	8/9/2022	0.25	<0.050	0.15
	8/24/2023	<1.0	<0.050	<5.0
	8/8/2024	0.54 B	<0.013	0.39
MW-32	8/23/2021	<1.0	<0.050	---
	8/23/2021	<1.0	<0.050	---
	8/9/2022	0.048 J	<0.050	0.080 J
	8/24/2023	<1.0	<0.050	<5.0
	8/14/2024	0.095 J	<0.013	<0.070



<b>TABLE 4B</b> <b>CROSS-GRADIENT WELLS ANALYTICAL SUMMARY -</b> <b>TOTAL PETROLEUM HYDROCARBONS</b> Bloomfield Terminal 2024 Annual Report Western Refining Southwest LLC San Juan County, New Mexico				
Sample Location	Sample Date	Diesel Range Organics (mg/L)	Gasoline Range Organics (mg/L)	Motor Oil Range Organics (mg/L)
Screening Source		NMED Soil Screening Guidance Table 6-4		
Screening Levels		0.0167	0.0101	0.0858
MW-33	4/28/2021	0.12	<0.050	<0.71
	8/23/2021	<1.0	<0.050	---
	4/12/2022	0.061	<0.050	<0.080
	8/4/2022	---	<0.050	---
	4/28/2023	<1.0	<0.050	<5.0
	8/24/2023	<1.0	<0.050	<5.0
	4/18/2024	<0.43	<0.050	<0.23
	8/8/2024	0.097 J B	<0.013	<0.070

**Notes:**

= Analytical results exceeds the respective screening level

= Field Duplicate sample

**Bold** = Detected at concentration above reporting limit

**Red** = Laboratory method detection limit exceeds screening level

MW = Monitoring Well

< = Result is below laboratory method detection limit

--- = Specific analyte not sampled

J = Result is estimated

B = Compound was found in the blank and sample

\*1 = Lab control sample/lab control duplicate sample relative percent difference exceeds control limits

mg/L = Milligrams per liter

NMED = New Mexico Environment Department

FPP = Free Product Present

Not on Plan = Sample Not Required Per 2014 Facility-Wide Groundwater Monitoring Plan



<b>TABLE 4C</b> <b>CROSS-GRADIENT WELLS ANALYTICAL SUMMARY - ANIONS</b> Bloomfield Terminal 2024 Annual Report Western Refining Southwest LLC San Juan County, New Mexico											
Sample Location	Sample Date	Fluoride (mg/L)	Chloride (mg/L)	Nitrite (mg/L)	Bromide (mg/L)	Nitrate (mg/L)	Phosphorus (mg/L)	Sulfate (mg/L)	Carbon Dioxide (CO <sub>2</sub> ) (mg/L)	Alkalinity (CaCO <sub>3</sub> ) (mg/L)	Bicarbonate (CaCO <sub>3</sub> ) (mg/L)
Screening Source		Anions - NMAC 20.6.2									
Screening Levels		2	250	1	-	10	-	600	-	-	-
MW-1	4/28/2021	---	---	---	---	---	---	---	---	---	---
	8/16/2021	---	---	---	---	---	---	---	---	---	---
	4/13/2022	---	---	---	---	---	---	---	---	---	---
	8/4/2022	0.36	7.4	0.022 J	0.066 J	0.94	<0.50	80	340	372	372
	4/27/2023	---	---	---	---	---	---	---	---	---	---
	8/11/2023	<0.50	7.1	<1.0*	<0.50	<1.0*	<2.5 H	81	360	404.6	404.6
	4/17/2024	---	---	---	---	---	---	---	---	---	---
	8/7/2024	0.51 J	10	<0.12	<0.50	3.5	<2.5	310	210 HF	230	230
MW-13	4/28/2021	---	---	---	---	---	---	---	---	---	---
	8/23/2021	---	---	---	---	---	---	---	---	---	---
	4/13/2022	---	---	---	---	---	---	---	---	---	---
	8/5/2022	<0.50	160	---	2.1	---	<2.5	990	720	757.9	757.9
	4/28/2023	---	---	---	---	---	---	---	---	---	---
	4/28/2023	---	---	---	---	---	---	---	---	---	---
	8/24/2023	<0.10	100	0.12	1.3	1.3	<0.50	740	860	931.2	931.2
	4/17/2024	---	---	---	---	---	---	---	---	---	---
8/13/2024	<0.92	110	0.039 J	2.0	1.1	<0.25	840	890 HF	950	950	
MW-26	8/17/2021	---	---	---	---	---	---	---	---	---	---
	8/9/2022	0.29 J	210	<0.50	3.6	<0.50	<2.5	<2.5	1,200	1,283	1,283
	8/24/2023	<0.50	210	<0.50	3.6	<0.50	<2.5	<2.5	1,200	1,299	1,299
	8/26/2024	<0.46	190	<0.12	3.6	<0.20	<2.5	<2.5	1,200 HF	1,300	1,300
MW-27	8/23/2021	---	---	---	---	---	---	---	---	---	---
	8/9/2022	0.33 J	1,300	<0.50	13	0.50 J	<2.5	2,500	230 H	249.8	249.8
	8/24/2023	<0.50	1,100	<0.50	12	<0.050	<10	2,500	310	337.1	337.1
	8/8/2024	---	---	---	---	---	---	---	---	---	---
MW-32	8/23/2021	---	---	---	---	---	---	---	---	---	---
	8/23/2021	---	---	---	---	---	---	---	---	---	---
	8/9/2022	0.37 J	760	<0.50	3.9	2.5	<2.5	1,900	140	156.1	156.1
	8/24/2023	<0.50	480	0.53	3.2	<0.50	<10	2,000	140	145.7	145.7
	8/14/2024	---	---	---	---	---	---	---	---	---	---





**TABLE 4C**  
**CROSS-GRADIENT WELLS ANALYTICAL SUMMARY - ANIONS**  
 Bloomfield Terminal 2024 Annual Report  
 Western Refining Southwest LLC  
 San Juan County, New Mexico

Sample Location	Sample Date	Fluoride (mg/L)	Chloride (mg/L)	Nitrite (mg/L)	Bromide (mg/L)	Nitrate (mg/L)	Phosphorus (mg/L)	Sulfate (mg/L)	Carbon Dioxide (CO <sub>2</sub> ) (mg/L)	Alkalinity (CaCO <sub>3</sub> ) (mg/L)	Bicarbonate (CaCO <sub>3</sub> ) (mg/L)
Screening Source		Anions - NMAC 20.6.2									
Screening Levels		2	250	1	-	10	-	600	-	-	-
MW-33	4/28/2021	---	---	---	---	---	---	---	---	---	---
	8/23/2021	---	---	---	---	---	---	---	---	---	---
	4/12/2022	---	---	---	---	---	---	---	---	---	---
	8/4/2022	<b>0.14</b>	<b>190</b>	<0.10	<b>1.0</b>	<b>24</b>	<10	<b>1,800</b>	<b>100 H</b>	<b>113.2</b>	<b>113.2</b>
	4/28/2023	---	---	---	---	---	---	---	---	---	---
	8/24/2023	<0.50	<b>190</b>	<0.50	<b>1.0</b>	<b>26</b>	<10	<b>2,100</b>	<b>120</b>	<b>131.4</b>	<b>131.4</b>
	4/18/2024	---	---	---	---	---	---	---	---	---	---
	8/8/2024	---	---	---	---	---	---	---	---	---	---

**Notes:**

= Analytical results exceeds the respective screening level

= Field Duplicate sample

**Bold** = Detected at concentration above reporting limit

**Red** = Laboratory method detection limit exceeds screening level

MW = Monitoring Well

< = Result is below laboratory method detection limit

--- = Specific analyte not sampled

J = Result is estimated

H/HF = Sample was prepped or analyzed beyond the specified holding time

mg/L = Milligrams per liter

NMAC = New Mexico Administrative Code

- = Not applicable/No screening level for specific analyte

\* = Nitrate & Nitrite value is a combined result



**TABLE 4D**  
**CROSS-GRADIENT WELLS ANALYTICAL SUMMARY - TOTAL METALS**  
 Bloomfield Terminal 2024 Annual Report  
 Western Refining Southwest LLC  
 San Juan County, New Mexico

Sample Location	Sample Date	Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Lead (mg/L)	Selenium (mg/L)	Silver (mg/L)	Mercury (mg/L)
Screening Source		Total Metals - NMAC 20.6.2							
Screening Levels		0.01	2.0	0.005	0.05	0.015	0.05	0.05	0.002
MW-1	4/28/2021	---	---	---	---	---	---	---	---
	8/16/2021	<0.0010	<b>0.046</b>	---	<0.0060	<0.00050	<0.0010	<0.00050	<0.00020
	4/13/2022	---	---	---	---	---	---	---	---
	8/4/2022	<b>0.00052 J</b>	<b>0.054</b>	<0.0020	<0.0060	<0.00050	<b>0.00079 J</b>	<b>0.0027 J</b>	<0.00020
	4/27/2023	---	---	---	---	---	---	---	---
	8/11/2023	<b>0.010</b>	<b>0.29</b>	<0.0020	<0.0060	<0.0010	<0.0010	<0.0050	<0.00020
	8/11/2023	---	---	---	---	---	---	---	---
	8/7/2024	<0.0025	<b>0.063</b>	<0.0025	<0.0025	<0.012	<b>0.0049 J B</b>	<0.0025	<b>0.00015 J</b>
MW-13	4/28/2021	---	---	---	---	---	---	---	---
	8/23/2021	<0.010	<b>0.025</b>	---	<0.0060	<0.0050	<0.010	<0.0050	<0.00020
	4/13/2022	---	---	---	---	---	---	---	---
	8/5/2022	<b>0.00062 J</b>	<b>0.026</b>	<0.0020	<b>0.076</b>	<0.00050	<b>0.0017</b>	<0.0050	<0.00020
	4/28/2023	---	---	---	---	---	---	---	---
	4/28/2023	---	---	---	---	---	---	---	---
	8/24/2023	<b>0.0011</b>	<b>0.023</b>	<0.0020	<b>0.045</b>	<0.0050	<b>0.0044</b>	<b>0.0057</b>	<0.00020
	4/18/2024	---	---	---	---	---	---	---	---
8/13/2024	<0.0025	<b>0.031</b>	<0.0025	<b>0.071</b>	<0.012	<b>0.0052</b>	<0.0025	<0.00012	
MW-26	8/17/2021	<b>0.0023</b>	<b>2.0</b>	---	<0.0060	<0.00050	<0.0010	<0.0050	<0.00020
	8/9/2022	<b>0.0019</b>	<b>2.1</b>	<0.0020	<0.0060	<b>0.00031 J</b>	<0.0010	<0.0050	<0.00020
	8/24/2023	<b>0.0054</b>	<b>2.1</b>	<0.0020	<0.0060	<0.0050	<b>0.0014</b>	<0.0050	<0.00020
	8/26/2024	<b>0.0051</b>	<b>1.9</b>	<0.0025	<0.0050	<0.0030	<0.0040	<0.0050	<0.00012



**TABLE 4D**  
**CROSS-GRADIENT WELLS ANALYTICAL SUMMARY - TOTAL METALS**  
 Bloomfield Terminal 2024 Annual Report  
 Western Refining Southwest LLC  
 San Juan County, New Mexico

Sample Location	Sample Date	Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Lead (mg/L)	Selenium (mg/L)	Silver (mg/L)	Mercury (mg/L)
MW-27	8/23/2021	<0.010	0.055	---	<0.0060	<0.0050	<0.010	<0.0050	<0.00020
	8/9/2022	0.00087 J	0.049	<0.0020	<0.0060	0.00012 J	0.0027	0.0088	<0.00020
	8/24/2023	0.0056	0.130	0.0092	<0.0060	<0.010	0.011	0.025	<0.00020
	8/8/2024	<0.0050	0.140	0.0150	<0.0050	<0.060	<0.0080	<0.0025	<0.00012
MW-32	8/23/2021	<0.0050	0.015	---	<0.0060	<0.0025	0.0076	<0.0050	<0.00020
	8/23/2021	<0.010	0.015	---	<0.0060	<0.0050	<0.010	<0.0050	<0.00020
	8/9/2022	0.00085 J	0.016	<0.0020	<0.0060	0.000099 J	0.0040	0.0093	<0.00020
	8/24/2023	0.0017	0.031	<0.0020	<0.0060	<0.0050	<0.0050	0.014	<0.00020
	8/14/2024	---	---	---	---	---	---	---	---
MW-33	4/28/2021	---	---	---	---	---	---	---	---
	8/23/2021	<0.0050	0.013	---	<0.0060	<0.0025	0.030	<0.0050	<0.00020
	4/12/2022	---	---	---	---	---	---	---	---
	8/4/2022	<0.0050	0.014	<0.0020	<0.0060	<0.0025	0.024	0.0076	<0.00020
	4/28/2023	---	---	---	---	---	---	---	---
	8/24/2023	0.0010	0.020	<0.0020	<0.0060	<0.0050	0.029	0.011	<0.00020
	4/18/2024	---	---	---	---	---	---	---	---
8/8/2024	---	---	---	---	---	---	---	---	

**Notes:**

= Analytical results exceeds the respective screening level

= Field Duplicate sample

**Bold** = Detected at concentration above reporting limit

**Red** = Laboratory method detection limit exceeds screening level

MW = Monitoring Well

< = Result is below laboratory method detection limit

--- = Specific analyte not sampled

J = Result is estimated

mg/L = Milligrams per liter

NMAC = New Mexico Administrative Code



**TABLE 4E**  
**CROSS-GRADIENT WELLS ANALYTICAL SUMMARY - DISSOLVED METALS**  
 Bloomfield Terminal 2024 Annual Report  
 Western Refining Southwest LLC  
 San Juan County, New Mexico

Sample Location	Sample Date	Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Sodium (mg/L)	Uranium (mg/L)	Zinc (mg/L)
Screening Source		Dissolved Metals - NMAC 20.6.2															
Screening Levels		0.01	2.0	0.005	-	0.05	1.0	1.0	0.015	-	0.2	-	0.05	0.05	-	0.03	10.0
MW-1	4/28/2021	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	8/16/2021	<0.0010	0.046	<0.00050	100	<0.0060	<0.0010	0.28	<0.00050	21	0.13	1.7	<0.0010	<0.0050	47	---	<0.010
	4/13/2022	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	8/4/2022	0.00061 J	0.052	<0.0020	110	<0.0060	0.00097 J	0.50	<0.00050	23	0.12	1.8	0.00047 J	0.0017 J	55	0.0031	0.0044
	4/27/2023	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	8/11/2023	<0.010	0.27	<0.0020	120	<0.0060	<0.0010	0.27	<0.010	23	6.0	2.5	<0.010	<0.0050	46	<0.010	<0.020
	4/17/2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
8/7/2024	<0.010	0.054	<0.010	120	<0.010	<0.010	1.4	<0.010	26	0.15	2.2	<0.016	<0.010	69	<0.010	0.037	
MW-13	4/28/2021	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	8/23/2021	<0.010	0.025	<0.0020	280	<0.0060	<0.010	0.40	<0.0050	85	1.6	4.2	<0.010	<0.0050	540	---	<0.010
	8/5/2022	---	---	---	---	<0.0060	<0.0050	0.40	<0.0025	54	0.75	3.9	0.0020 J	0.0044 J	590	0.0065	0.0060 J
	4/28/2023	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	4/28/2023	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	8/24/2023	<0.010	0.025	<0.0020	190	0.021	<0.010	<0.020	<0.010	75	0.67	3.5	<0.010	0.0059	450	<0.010	0.036
	4/17/2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
8/13/2024	<0.010	0.030	<0.010	210	0.013 J	<0.010	<0.17	<0.010	81	0.72	5.2	<0.016	<0.010	510	<0.010	0.067 J	
MW-26	8/17/2021	---	---	---	---	<0.0060	<0.0010	3.1	<0.00050	25	2.0	2.2	<0.0010	<0.0050	520	---	<0.010
	4/29/2022	0.0022	2.0	<0.0020	120	---	---	---	---	---	---	---	---	---	---	---	---
	8/9/2022	0.0023	2.0	<0.0020	130	<0.0060	0.00060	3.2	0.000079 J	40	2.1	3.5	<0.0010	0.0024 J	600	0.000080 J	0.0063 J
	8/24/2023	<0.010	2.3	<0.0020	130	<0.0060	<0.010	3.5	<0.010	44	2.3	4.0	<0.010	<0.0050	540	<0.010	0.022
	8/26/2024	<0.010	2.5	<0.010	120	<0.010	<0.010	2.8	<0.010	41	1.6	4.7	<0.016	<0.010	540	<0.010	0.047
MW-27	8/23/2021	<0.010	0.060	<0.0020	760	<0.0060	<0.010	<0.020	<0.0050	140	0.0071	3.1	<0.010	<0.0050	1,200	---	0.025
	8/9/2022	0.0017	0.046	<0.0020	820	<0.0060	0.0047	0.16	0.000070 J	140	0.026	4.4	0.0036	0.018	1,200	0.061	0.0069 J
	8/24/2023	<0.010	0.042	<0.0020	810	<0.0060	<0.010	0.077	<0.010	130	0.78	4.8	<0.010	0.022	1,000	0.022	<0.020
	8/8/2024	<0.010	0.064	<0.010	1,000	<0.010	<0.010	0.80	<0.010	190	0.13	2.7	<0.016	<0.010	1,600	0.077	0.078
MW-32	8/23/2021	<0.0050	0.015	<0.0020	330	<0.0060	<0.0050	<0.020	<0.0025	51	<0.0020	4.1	0.0058	<0.0050	810	---	<0.010
	8/23/2021	<0.0050	0.016	<0.0020	330	<0.0060	<0.0050	<0.020	<0.0025	51	<0.0020	4.1	0.0088	<0.0050	850	---	<0.010
	8/9/2022	0.00089 J	0.015	<0.0020	390	<0.0060	0.00053 J	<0.020	<0.00050	55	<0.0020	3.9	0.0029	0.0091	1,000	0.011	0.0042 J
	8/24/2023	<0.010	<0.020	<0.0020	370	<0.0060	<0.010	<0.020	<0.010	59	0.043	4.8	<0.010	0.011	850	<0.050	0.036
	8/14/2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-33	4/28/2021	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	8/23/2021	<0.010	0.0140	<0.0020	360	<0.0060	<0.010	<0.020	<0.0050	54	<0.0020	5.4	0.032	<0.0050	720	---	<0.010
	4/12/2022	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	8/4/2022	<0.0050	0.014	<0.0020	350	<0.0060	<0.0050	<0.020	<0.0050	47	<0.0020	4.8	0.030	0.0065	720	0.0076	0.0084 J
	4/28/2023	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	8/24/2023	<0.010	<0.020	<0.0020	330	<0.0060	<0.010	<0.020	<0.010	48	<0.0020	5.1	0.025	0.010	680	<0.010	0.061
	4/18/2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
8/8/2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	

**Notes:**  
  = Analytical results exceeds the respective screening level  
  = Field Duplicate sample  
**Bold** = Detected at concentration above reporting limit  
Red = Laboratory method detection limit exceeds screening level  
 MW = Monitoring Well  
 < = Result is below laboratory method detection limit  
 --- = Specific analyte not sampled  
 J = Result is estimated  
 mg/L = Milligrams per liter  
 NMAC = New Mexico Administrative Code  
 - = Not applicable/No screening level for specific analyte



**TABLE 5A**  
**DOWNGRADIENT WELLS ANALYTICAL SUMMARY - VOLATILE ORGANIC COMPOUNDS**  
 Bloomfield Terminal 2024 Annual Report  
 Western Refining Southwest LLC  
 San Juan County, New Mexico

Sample Location	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes, Total (µg/L)	Methyl tert-butyl ether (MTBE) (µg/L)	1-Methyl-naphthalene (µg/L)	2-Methyl-naphthalene (µg/L)	Naphthalene (µg/L)	Acetone (µg/L)	Isopropylbenzene (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,3,5-Trimethylbenzene (µg/L)	4-Isopropyltoluene (µg/L)	n-Butylbenzene (µg/L)	n-Propylbenzene (µg/L)	sec-Butylbenzene (µg/L)	tert-Butylbenzene (µg/L)	
Screening Source		NMAC 20.6.2					NMED Soil Screening Guidance Table A-1 (Tap Water)					EPA RSL Tap Water THQ = 0.1							
Screening Levels		5	1,000	700	620	100	11.4	35.1	1.17	14,100	447	5.6	60	-	100	66	200	69	
MW-11	8/17/2021	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
	8/1/2022	Could Not Sample - Wasp Nest In Well																	
	8/25/2023	3.2	< 1.0	<1.0	< 1.5	< 1.0	8.3	15	48	< 10	53	<1.0	<1.0	<1.0	<3.0	51	8.6	1.7	
	8/14/2024	<0.23	<0.25	0.40 J	0.74 J	0.62 J	9.6	16	56	2.8 J	58	0.29 J	<0.18	0.29 J	1.7 J	59	8.8	2.2	
MW-12	4/28/2021	<1.0	<1.0	<1.0	<1.5	<1.0	---	---	---	---	---	---	---	---	---	---	---	---	
	8/17/2021	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<4.0	<2.0	<10	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	
	4/12/2022	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<4.0	<2.0	<10	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	
	8/4/2022	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<4.0	<2.0	6.3 J	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	
	4/28/2023	<1.0	<1.0	<1.0	<1.5	<1.0	---	---	---	---	---	---	---	---	---	---	---	---	
	8/9/2023	Well Dry - Could Not Sample																	
	4/18/2024	<1.0	<1.0	<1.0	<1.5	<1.0	---	---	---	---	---	---	---	---	---	---	---	---	
8/6/2024	Well Dry - Could Not Sample																		
MW-34	8/17/2021	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<4.0	<2.0	<10	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	
	8/17/2021	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<4.0	<2.0	<10	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	
	8/9/2022	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<4.0	<2.0	<10	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	
	8/9/2022	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<4.0	<2.0	<10	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	
	8/9/2023	Well Dry - Could Not Sample																	
8/26/2024	Well Dry - Could Not Sample																		
MW-35	4/28/2021	<1.0	<1.0	<1.0	<1.5	<1.0	---	---	---	---	---	---	---	---	---	---	---	---	
	8/21/2021	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<4.0	<2.0	<10	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	
	4/11/2022	Well Dry - Could Not Sample																	
	8/9/2022	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<4.0	<2.0	11	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	0.73 J	
	4/25/2023	Insufficient Water to Collect Sample																	
	8/25/2023	<5.0	<5.0	<5.0	<7.5	<5.0	<20	<20	<10	<50	<5.0	<5.0	<5.0	<5.0	<15	<5.0	<5.0	<5.0	
	4/22/2024	<1.0	<1.0	<1.0	<1.5	<1.0	---	---	---	---	---	---	---	---	---	---	---	---	
8/6/2024	Well Dry - Could Not Sample																		
MW-37	4/28/2021	<1.0	<1.0	<1.0	<1.5	<1.0	---	---	---	---	---	---	---	---	---	---	---	---	
	8/21/2021	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<4.0	<2.0	<10	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	
	4/12/2022	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<4.0	<2.0	<10	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	
	8/4/2022	<1.0	<1.0	<1.0	0.16 J	<1.0	<4.0	<4.0	<2.0	5.3 J	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	
	4/28/2023	<1.0	<1.0	<1.0	<1.5	<1.0	---	---	---	---	---	---	---	---	---	---	---	---	
	4/28/2023	<1.0	<1.0	<1.0	<1.5	<1.0	---	---	---	---	---	---	---	---	---	---	---	---	
	8/24/2023	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<4.0	<2.0	<10	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	
	8/24/2023	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<4.0	<2.0	<10	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	
	4/22/2024	<1.0	<1.0	<1.0	<1.5	<1.0	---	---	---	---	---	---	---	---	---	---	---	---	
8/26/2024	<0.23	<0.25	<0.21	<0.37	<0.39	<2.0	<2.0	<0.24	<2.5	<0.18	<0.12	<0.18	<0.20	<0.13	<0.11	<0.14	<0.24		
MW-38	4/28/2021	<1.0	<1.0	<1.0	<1.5	<1.0	---	---	---	---	---	---	---	---	---	---	---	---	
	8/23/2021	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<4.0	<2.0	<10	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	
	4/11/2022	Insufficient Water to Collect Sample																	
	8/9/2022	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<4.0	<2.0	6.4 J	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	
	4/28/2023	<1.0	<1.0	<1.0	<1.5	<1.0	---	---	---	---	---	---	---	---	---	---	---	---	
	8/24/2023	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<4.0	<2.0	<10	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	
	4/22/2024	<1.0	<1.0	<1.0	<1.5	<1.0	---	---	---	---	---	---	---	---	---	---	---	---	
8/13/2024	<0.23	<0.25	<0.21	0.43 J	0.49 J	<2.0	<2.0	<0.24	<2.5	<0.18	<0.12	<0.18	<0.20	<0.13	0.24 J	<0.14	0.61 J		

**Notes:**  
  = Analytical results exceeds the respective screening level  
  = Field Duplicate sample  
**Bold** = Detected at concentration above reporting limit  
  = Laboratory method detection limit exceeds screening level  
 MW = Monitoring Well  
 <= Result is below laboratory method detection limit  
 --- = Specific analyte not sampled  
 µg/L = micrograms per liter  
 J = Result is estimated  
 EPA = Environmental Protection Agency  
 NMED = New Mexico Environment Department  
 NMAC = New Mexico Administrative Code  
 - = Not applicable/No screening level for specific analyte  
 RSL - Regional Screening Level



**TABLE 5B**  
**DOWNGRADIENT WELLS ANALYTICAL SUMMARY -**  
**TOTAL PETROLEUM HYDROCARBONS**  
 Bloomfield Terminal 2024 Annual Report  
 Western Refining Southwest LLC  
 San Juan County, New Mexico

Sample Location	Sample Date	Diesel Range Organics (mg/L)	Gasoline Range Organics (mg/L)	Motor Oil Range Organics (mg/L)
Screening Source		NMED Soil Screening Guidance Table 6-4		
Screening Levels		0.0167	0.0101	0.0858
MW-11	8/17/2021	---	---	---
	8/1/2022	Could Not Sample - Wasp Nest In Well		
	8/25/2023	<1.0	0.83	<5.0
	8/14/2024	1.80	0.80	<0.070
MW-12	4/28/2021	0.090	<0.050	<0.60
	8/17/2021	<1.0	<0.050	---
	4/12/2022	<0.064	<0.050	<0.080
	8/4/2022	<0.064	<0.050	<0.080
	4/28/2023	<1.0	<0.050	<5.0
	8/9/2023	Well Dry - Could Not Sample		
	4/18/2024	<0.43	<0.050	<0.23
MW-34	8/17/2021	<1.0	0.26	---
	8/17/2021	<1.0	0.26	---
	8/9/2022	0.37	0.17	<0.080
	8/9/2022	0.28	0.15	<0.080
	8/9/2023	Well Dry - Could Not Sample		
	8/26/2024	Well Dry - Could Not Sample		
MW-35	4/28/2021	---	---	---
	8/21/2021	<1.0	0.24	---
	4/11/2022	Well Dry - Could Not Sample		
	8/9/2022	0.30	0.20	<0.080
	4/25/2023	Insufficient Water to Collect Sample		
	8/25/2023	<1.0	<0.25	<5.0
	4/22/2024	---	---	---
MW-37	8/6/2024	Well Dry - Could Not Sample		
	4/28/2021	0.13	<0.050	<0.62
	8/21/2021	<1.0	<0.050	---
	4/12/2022	0.13	<0.050	<0.080
	8/4/2022	0.073	<0.050	<0.080
	4/28/2023	<1.0	<0.050	<5.0
	4/28/2023	<1.0	<0.050	<5.0
	8/24/2023	<1.0	<0.050	<5.0
	8/24/2023	<1.0	<0.050	<5.0
4/22/2024	<0.43	<0.050	<0.23	
8/26/2024	0.10 J *1	0.013 J	<0.070	



**TABLE 5B**  
**DOWNGRADIENT WELLS ANALYTICAL SUMMARY -**  
**TOTAL PETROLEUM HYDROCARBONS**  
 Bloomfield Terminal 2024 Annual Report  
 Western Refining Southwest LLC  
 San Juan County, New Mexico

Sample Location	Sample Date	Diesel Range Organics (mg/L)	Gasoline Range Organics (mg/L)	Motor Oil Range Organics (mg/L)
<b>Screening Source</b>		<b>NMED Soil Screening Guidance Table 6-4</b>		
<b>Screening Levels</b>		<b>0.0167</b>	<b>0.0101</b>	<b>0.0858</b>
<b>MW-38</b>	4/28/2021	<0.085	<0.050	<0.60
	8/23/2021	<1.0	<0.050	---
	4/11/2022	Insufficient Water to Collect Sample		
	8/9/2022	<b>0.19</b>	<b>0.012 J</b>	<0.080
	4/28/2023	<1.0	<0.050	<5.0
	8/24/2023	<1.0	<0.050	<5.0
	4/22/2024	<0.43	<0.050	<0.23
	8/13/2024	<b>0.32</b>	<b>0.027 J</b>	<b>0.077 J</b>

**Notes:**

= Analytical results exceeds the respective screening level

= Field Duplicate sample

**Bold** = Detected at concentration above reporting limit

Red = Laboratory method detection limit exceeds screening level

MW = Monitoring Well

< = Result is below laboratory method detection limit

--- = Specific analyte not sampled

J = Result is estimated

\*1 = Lab control sample/lab control duplicate sample relative percent difference exceeds control limits

mg/L = Milligrams per liter

NMED = New Mexico Environment Department



**TABLE 5C**  
**DOWNGRADIENT WELLS ANALYTICAL SUMMARY - SEMI-VOLATILE ORGANIC COMPOUNDS**  
 Bloomfield Terminal 2024 Annual Report  
 Western Refining Southwest LLC  
 San Juan County, New Mexico

Sample Location	Sample Date	1-Methyl-naphthalene (µg/L)	2,4-Dimethyl-phenol (µg/L)	2-Methyl-naphthalene (µg/L)	3+4-Methylphenol (µg/L)	4,6-Dinitro-2-methylphenol (µg/L)	Benzoic Acid (µg/L)	Bis(2- ethylhexyl)-phthalate (µg/L)	Butyl benzyl phthalate (µg/L)	Di-n-octyl phthalate (µg/L)	Fluorene (µg/L)	Naphthalene (µg/L)	Phenol (µg/L)	Pyridine (µg/L)	
<b>Screening Source</b>		<b>SVOCs - EPA RSL Tap Water THQ = 0.1</b>													
<b>Screening Levels</b>		11.4	36	35.1	93	0.15	7,500	5.6	16	-	29	1.17	580	2	
MW-11	8/17/2021	--	--	--	--	--	--	--	--	--	--	--	--	--	
	8/1/2022	Could Not Sample - Wasp Nest in Well													
	8/25/2023	6.5	<10	9.8	<10	<10	<20	<10	<10	<10	<5.0	36	<10	<40	
	8/14/2024	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-12	4/28/2021	--	--	--	--	--	--	--	--	--	--	--	--	--	
	8/17/2021	--	--	--	--	--	--	--	--	--	--	--	--	--	
	4/12/2022	--	--	--	--	--	--	--	--	--	--	--	--	--	
	8/4/2022	<4.3	<5.8	<4.2	<5.1	<6.8	<18	<8.4	<8.3	<12	<6.5	<3.2	<18	<14	
	4/28/2023	--	--	--	--	--	--	--	--	--	--	--	--	--	
	8/9/2023	Well Dry - Could Not Sample													
	4/18/2024	--	--	--	--	--	--	--	--	--	--	--	--	--	
8/6/2024	Well Dry - Could Not Sample														
MW-34	8/17/2021	--	--	--	--	--	--	--	--	--	--	--	--	--	
	8/17/2021	--	--	--	--	--	--	--	--	--	--	--	--	--	
	8/9/2022	--	--	--	--	--	--	--	--	--	--	--	--	--	
	8/9/2022	--	--	--	--	--	--	--	--	--	--	--	--	--	
	8/9/2023	Well Dry - Could Not Sample													
8/26/2024	Well Dry - Could Not Sample														
MW-35	4/28/2021	--	--	--	--	--	--	--	--	--	--	--	--	--	
	8/21/2021	--	--	--	--	--	--	--	--	--	--	--	--	--	
	4/11/2022	Well Dry - Could Not Sample													
	8/9/2022	--	--	--	--	--	--	--	--	--	--	--	--	--	
	4/25/2023	Insufficient Water to Collect Sample													
	8/25/2023	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/22/2024	--	--	--	--	--	--	--	--	--	--	--	--	--	--
8/6/2024	Well Dry - Could Not Sample														
MW-37	4/28/2021	--	--	--	--	--	--	--	--	--	--	--	--	--	
	8/21/2021	--	--	--	--	--	--	--	--	--	--	--	--	--	
	4/12/2022	--	--	--	--	--	--	--	--	--	--	--	--	--	
	8/4/2022	--	--	--	--	--	--	--	--	--	--	--	--	--	
	4/28/2023	--	--	--	--	--	--	--	--	--	--	--	--	--	
	4/28/2023	--	--	--	--	--	--	--	--	--	--	--	--	--	
	8/24/2023	--	--	--	--	--	--	--	--	--	--	--	--	--	
	8/24/2023	--	--	--	--	--	--	--	--	--	--	--	--	--	
	4/22/2024	--	--	--	--	--	--	--	--	--	--	--	--	--	
8/26/2024	--	--	--	--	--	--	--	--	--	--	--	--	--		





**TABLE 5C**  
**DOWNGRADIENT WELLS ANALYTICAL SUMMARY - SEMI-VOLATILE ORGANIC COMPOUNDS**  
 Bloomfield Terminal 2024 Annual Report  
 Western Refining Southwest LLC  
 San Juan County, New Mexico

Sample Location	Sample Date	1-Methyl-naphthalene (µg/L)	2,4-Dimethyl-phenol (µg/L)	2-Methyl-naphthalene (µg/L)	3+4-Methylphenol (µg/L)	4,6-Dinitro-2-methylphenol (µg/L)	Benzoic Acid (µg/L)	Bis(2-ethylhexyl)-phthalate (µg/L)	Butyl benzyl phthalate (µg/L)	Di-n-octyl phthalate (µg/L)	Fluorene (µg/L)	Naphthalene (µg/L)	Phenol (µg/L)	Pyridine (µg/L)
<b>Screening Source</b>		<b>SVOCs - EPA RSL Tap Water THQ = 0.1</b>												
<b>Screening Levels</b>		11.4	36	35.1	93	0.15	7,500	5.6	16	-	29	1.17	580	2
<b>MW-38</b>	4/28/2021	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/23/2021	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/11/2022	Insufficient Water to Collect Sample												
	8/9/2022	<4.3	<5.8	<4.2	<5.1	<6.8	<18	<8.4	<8.3	<12	<6.5	<3.2	<18	<14
	4/28/2023	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/24/2023	<5.0	<10	<5.0	<10	<10	<20	<10	<10	<10	<5.0	<5.0	<10	<40
	4/22/2024	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/13/2024	<20	<9.0	<6.7	<12	<45	<36	<23	<15	<18	<11	<7.9	<9.3	<6.2

**Notes:**  
 = Analytical results exceeds the respective screening level  
 = Field Duplicate sample  
**Bold** = Detected at concentration above reporting limit  
**Red** = Laboratory method detection limit exceeds screening level  
 MW = Monitoring Well  
 < = Result is below laboratory method detection limit  
 -- = Specific analyte not sampled  
 µg/L = micrograms per liter  
 J = Result is estimated  
 SVOC = Semi-volatile organic compound  
 - = Not applicable/No screening level for specific analyte  
 EPA = Environmental Protection Agency  
 RSL - Regional Screening Level



**TABLE 5D  
DOWNGRADE WELLS ANALYTICAL SUMMARY - ANIONS  
Bloomfield Terminal 2024 Annual Report  
Western Refining Southwest LLC  
San Juan County, New Mexico**

Sample Location	Sample Date	Fluoride (mg/L)	Chloride (mg/L)	Nitrite (mg/L)	Bromide (mg/L)	Nitrate (mg/L)	Phosphorus (mg/L)	Sulfate (mg/L)	Carbon Dioxide (CO <sub>2</sub> ) (mg/L)	Alkalinity (CaCO <sub>3</sub> ) (mg/L)	Bicarbonate (CaCO <sub>3</sub> ) (mg/L)
Screening Source		Anions - NMAC 20.6.2									
Screening Levels		1.6	250	1.0	-	10	-	600	-	-	-
MW-11	8/17/2021	---	---	---	---	---	---	---	---	---	---
	8/1/2022	Could Not Sample - Wasp Nest In Well									
	8/25/2023	<0.50	240	<1.0*	3.7	<1.0*	<2.5 H	11	1,200	1,256	1,256
	8/14/2024	<0.46	240	<0.12	4.0	<0.20	<2.5	3.1 J	1,100 HF	1,300 H	1,300 H
MW-12	4/28/2021	---	---	---	---	---	---	---	---	---	---
	8/17/2021	---	---	---	---	---	---	---	---	---	---
	4/12/2022	---	---	---	---	---	---	---	---	---	---
	8/4/2022	0.38	3.4	<0.10	<0.10	<0.10	<0.50	58	130 H	144.9	144.9
	4/28/2023	---	---	---	---	---	---	---	---	---	---
	8/9/2023	Well Dry - Could Not Sample									
	4/18/2024	---	---	---	---	---	---	---	---	---	---
8/6/2024	Well Dry - Could Not Sample										
MW-34	8/17/2021	---	---	---	---	---	---	---	---	---	---
	8/17/2021	---	---	---	---	---	---	---	---	---	---
	8/9/2022	0.56	240	<0.50	3.4	<0.50	<2.5	650	760	821.3	821.3
	8/9/2022	0.57	240	<0.50	3.4	<0.50	<2.5	640	760	831.1	831.1
	8/9/2023	Well Dry - Could Not Sample									
	8/26/2024	Well Dry - Could Not Sample									
MW-35	4/28/2021	---	---	---	---	---	---	---	---	---	---
	8/21/2021	---	---	---	---	---	---	---	---	---	---
	4/11/2022	Well Dry - Could Not Sample									
	8/9/2022	0.78	260	<0.50	3.6	<0.50	<2.5	460	790 H	847.8	847.8
	4/25/2023	Insufficient Water to Collect Sample									
	8/25/2023	0.70	320	<1.0*	4.3	<1.0*	<2.5 H	330	890 H	981.0	981.0
	4/22/2024	---	---	---	---	---	---	---	---	---	---
	8/6/2024	Well Dry - Could Not Sample									



**TABLE 5D  
DOWNGRADE WELLS ANALYTICAL SUMMARY - ANIONS  
Bloomfield Terminal 2024 Annual Report  
Western Refining Southwest LLC  
San Juan County, New Mexico**

Sample Location	Sample Date	Fluoride (mg/L)	Chloride (mg/L)	Nitrite (mg/L)	Bromide (mg/L)	Nitrate (mg/L)	Phosphorus (mg/L)	Sulfate (mg/L)	Carbon Dioxide (CO <sub>2</sub> ) (mg/L)	Alkalinity (CaCO <sub>3</sub> ) (mg/L)	Bicarbonate (CaCO <sub>3</sub> ) (mg/L)
<b>Screening Source</b>		<b>Anions - NMAC 20.6.2</b>									
<b>Screening Levels</b>		<b>1.6</b>	<b>250</b>	<b>1.0</b>	<b>-</b>	<b>10</b>	<b>-</b>	<b>600</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>MW-37</b>	4/28/2021	---	---	---	---	---	---	---	---	---	---
	8/21/2021	---	---	---	---	---	---	---	---	---	---
	4/12/2022	Well Dry - Could Not Sample									
	8/4/2022	<b>0.28</b>	<b>270</b>	<0.10	<b>3.8</b>	<b>0.072 J</b>	<10	<b>2,100</b>	<b>300 H</b>	<b>331.0</b>	<b>331.0</b>
	4/28/2023	---	---	---	---	---	---	---	---	---	---
	4/28/2023	---	---	---	---	---	---	---	---	---	---
	8/24/2023	<0.50	<b>330</b>	<0.50	<b>5.5</b>	<0.50	<10	<b>2,200</b>	<b>290 H</b>	<b>327.5</b>	<b>327.5</b>
	8/24/2023	<0.50	<b>330</b>	<0.50	<b>5.6</b>	<0.50	<10	<b>2,200</b>	<b>310 H</b>	<b>347.1</b>	<b>347.1</b>
	4/22/2024	---	---	---	---	---	---	---	---	---	---
8/26/2024	<b>0.53 J</b>	<b>390</b>	<0.12	<b>5.4</b>	<0.20	<2.5	<b>2,100</b>	<b>290 HF</b>	<b>320</b>	<b>320</b>	
<b>MW-38</b>	4/28/2021	---	---	---	---	---	---	---	---	---	---
	8/23/2021	---	---	---	---	---	---	---	---	---	---
	4/11/2022	Insufficient Water to Collect Sample									
	8/9/2022	<b>0.55</b>	<b>130</b>	<0.50	<b>2.0</b>	<0.50	<2.5	<b>4.0</b>	<b>570 H</b>	<b>618.6</b>	<b>618.6</b>
	4/28/2023	---	---	---	---	---	---	---	---	---	---
	8/24/2023	<b>0.60</b>	<b>190</b>	<0.50	<b>2.8</b>	<0.50	<2.5	<b>21</b>	<b>610 H</b>	<b>669.0</b>	<b>669.0</b>
	4/22/2024	---	---	---	---	---	---	---	---	---	---
	8/13/2024	<b>0.83</b>	<b>230</b>	<0.012 F1	<b>3.2</b>	<b>0.26</b>	<0.25	<b>45</b>	<b>650 HF</b>	<b>700</b>	<b>700</b>

**Notes:**

= Analytical results exceeds the respective screening level

= Field Duplicate sample

**Bold** = Detected at concentration above reporting limit

**Red** = Laboratory method detection limit exceeds screening level

MW = Monitoring Well

< = Result is below laboratory method detection limit

--- = Specific analyte not sampled

mg/L = Milligrams per liter

J = Result is estimated

H/HF = Sample was prepped or analyzed beyond the specified holding time

F1 = Matrix spike sample recovery exceeds control limits

NMAC = New Mexico Administrative Code

- = Not applicable/No screening level for specific analyte

\* = Nitrate & Nitrite value is a combined result



<b>TABLE 5E</b> <b>DOWNGRADIENT WELLS ANALYTICAL SUMMARY - TOTAL METALS</b> Bloomfield Terminal 2024 Annual Report Western Refining Southwest LLC San Juan County, New Mexico									
Sample Location	Sample Date	Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Lead (mg/L)	Selenium (mg/L)	Silver (mg/L)	Mercury (mg/L)
Screening Source		Total Metals - NMAC 20.6.2							
Screening Levels		0.01	2.0	0.005	0.05	0.015	0.05	0.05	0.002
MW-11	8/17/2021	---	---	---	---	---	---	---	---
	8/1/2022	Could Not Sample - Wasp Nest In Well							
	8/25/2023	0.023	0.90	<0.0020	<0.0060	0.0065	<0.0010	<0.0050	<0.00020
	8/14/2024	0.032	1.20	<0.0025	0.0026 J	0.0200	<0.0040	<0.0025	<0.00012
MW-12	4/28/2021	---	---	---	---	---	---	---	---
	8/17/2021	0.0011	0.040	<0.00050	<0.0060	<0.00050	<0.0010	<0.00050	<0.00020
	4/12/2022	---	---	---	---	---	---	---	---
	8/4/2022	0.0010	0.056	<0.0020	0.060	0.00039 J	<0.0010	<0.0050	<0.00020
	4/28/2023	---	---	---	---	---	---	---	---
	8/9/2023	Well Dry - Could Not Sample							
	4/18/2024	---	---	---	---	---	---	---	---
MW-34	8/6/2024	Well Dry - Could Not Sample							
	8/17/2021	0.0022	0.079	<0.0020	<0.0060	0.00074	<0.0010	<0.0050	<0.00020
	8/17/2021	0.0022	0.082	<0.0020	<0.0060	0.00073	<0.0010	<0.0050	<0.00020
	8/9/2022	0.0017	0.051	<0.0020	<0.0060	0.00042 J	<0.0010	<0.0050	<0.00020
	8/9/2022	0.0017	0.046	<0.0020	<0.0060	0.00028 J	<0.0010	<0.0050	<0.00020
	8/9/2023	Well Dry - Could Not Sample							
MW-35	8/26/2024	Well Dry - Could Not Sample							
	4/28/2021	---	---	---	---	---	---	---	---
	8/21/2021	0.015	0.69	<0.0020	<0.0060	<0.0050	<0.0050	<0.0050	<0.00020
	4/11/2022	Well Dry - Could Not Sample							
	8/9/2022	0.0043	0.20	<0.0020	<0.0060	0.00060	<0.0010	<0.0050	<0.00020
	4/25/2023	Insufficient Water to Collect Sample							
	8/25/2023	0.066	1.5	<0.0020	0.019	0.036	0.0095	<0.0050	<0.00020
MW-37	4/22/2024	---	---	---	---	---	---	---	---
	8/6/2024	Well Dry - Could Not Sample							
	4/28/2021	---	---	---	---	---	---	---	---
	8/21/2021	<0.010	0.035	<0.0020	<0.0060	<0.0050	<0.010	<0.0050	<0.00020
	4/12/2022	---	---	---	---	---	---	---	---
	8/4/2022	<0.0050	0.041	<0.0020	<0.0060	<0.0025	<0.0050	<0.0050	<0.00020
	4/28/2023	---	---	---	---	---	---	---	---
	4/28/2023	---	---	---	---	---	---	---	---
	8/24/2023	0.0022	0.24	<0.0020	<0.0060	0.0051	0.0067	0.013	<0.00020
8/24/2023	0.0020	0.23	<0.0020	<0.0060	<0.0050	0.0054	0.013	<0.00020	
MW-38	4/22/2024	---	---	---	---	---	---	---	---
	8/26/2024	0.0026 J	0.19	<0.0025	0.0057	0.0035 J	0.0040 J	<0.0050	<0.00012
	4/28/2021	---	---	---	---	---	---	---	---
	8/23/2021	<0.0050	0.41	<0.0020	<0.0060	<0.0025	<0.0010	<0.0050	<0.00020
	4/11/2022	Insufficient Water to Collect Sample							
	8/9/2022	0.0014	0.50	<0.0020	<0.0060	0.0018 J	<0.0010	<0.0050	<0.00020
	4/28/2023	---	---	---	---	---	---	---	---
8/24/2023	0.0029	0.48	<0.0020	0.012	0.010	0.0047	<0.0050	<0.00020	
4/22/2024	---	---	---	---	---	---	---	---	
8/13/2024	0.0031 J	0.81	<0.0025	0.0093	0.0068	<0.0040	<0.0025	<0.00012	

Notes:

= Analytical results exceeds the respective screening level  
 = Field Duplicate sample

**Bold** = Detected at concentration above reporting limit

**Red** = Laboratory method detection limit exceeds screening level

MW = Monitoring Well

< = Result is below laboratory method detection limit

--- = Specific analyte not sampled

J = Result is estimated

mg/L = Milligrams per liter

NMAC = New Mexico Administrative Code



**TABLE 5F**  
**DOWNGRADIENT WELLS ANALYTICAL SUMMARY - DISSOLVED METALS**  
 Bloomfield Terminal 2024 Annual Report  
 Western Refining Southwest LLC  
 San Juan County, New Mexico

Sample Location	Sample Date	Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Sodium (mg/L)	Uranium (mg/L)	Zinc (mg/L)		
Screening Source		Dissolved Metals - NMAC 20.6.2																	
Screening Levels		0.01	2.0	0.005	-	0.05	1.0	1.0	0.015	-	0.2	-	0.05	0.05	-	0.03	10.0		
MW-11	8/17/2021	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
	8/1/2022	---	---	---	---	---	---	---	Could Not Sample - Wasp Nest in Well									---	---
	8/25/2023	0.020	0.93	<0.0020	140	<0.0060	<0.010	6.5	<0.010	32	2.1	2.1	<0.010	<0.0050	550	<0.010	0.18		
	8/14/2024	0.026	1.30	<0.010	140	<0.010	<0.010	6.5	<0.010	36 J	1.9	3.6	<0.016	<0.010	540	<0.010	<0.49		
MW-12	4/28/2021	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
	8/17/2021	<0.0010	0.041	---	44	<0.0060	<0.0010	<0.020	<0.00050	6.1	0.020	<1.0	<0.0010	<0.0050	25	---	<0.010		
	4/12/2022	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
	8/4/2022	0.00073 J	0.051	<0.0020	50	0.0065	0.00044 J	0.017 J	<0.00050	7.1	0.0082	0.42 J	<0.0010	<0.0050	25	0.00044 J	0.0093 J		
	4/28/2023	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
	8/9/2023	---	---	---	---	---	---	---	Well Dry - Could Not Sample									---	---
	4/18/2024	---	---	---	---	---	---	---	Well Dry - Could Not Sample									---	---
MW-34	8/17/2021	0.0018	0.072	<0.0020	130	<0.0060	<0.0010	2.4	<0.00050	22	3.2	1.4	<0.0010	<0.0050	520	---	<0.010		
	8/17/2021	0.0019	0.075	<0.0020	130	<0.0060	<0.0010	2.6	<0.00050	24	3.3	1.6	<0.0010	<0.0050	530	---	<0.010		
	8/9/2022	0.0020	0.048	<0.0020	160	<0.0060	<0.0010	3.6	<0.00050	28	5.3	1.3	0.00058 J	0.0030 J	640	0.0017	0.0061 J		
	8/9/2022	0.0018	0.044	<0.0020	160	<0.0060	0.00039 J	2.7	0.000069 J	27	5.1	1.2	0.00061 J	0.0032 J	660	0.0018	0.0041 J		
	8/9/2023	---	---	---	---	---	---	---	Well Dry - Could Not Sample									---	---
	8/26/2024	---	---	---	---	---	---	---	Well Dry - Could Not Sample									---	---
MW-35	4/28/2021	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
	8/21/2021	0.012	0.76	<0.0020	130	<0.0060	<0.0050	3.4	<0.0025	25	2.5	3.1	<0.0050	<0.0050	510	---	<0.010		
	4/11/2022	---	---	---	---	---	---	---	Well Dry - Could Not Sample									---	---
	8/9/2022	0.0033	0.18	<0.0020	150	<0.0060	0.00037 J	1.1	<0.00050	26	3.2	2.9	0.00044 J	0.0030 J	590	0.0017	0.0057 J		
	4/25/2023	---	---	---	---	---	---	---	Insufficient Water to Collect Sample									---	---
	8/25/2023	<0.010	0.17	<0.0020	160	<0.0060	<0.010	0.47	<0.010	29	2.1	3.3	<0.010	0.0051	580	<0.010	<0.020		
	4/22/2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
MW-37	8/6/2024	---	---	---	---	---	---	---	Well Dry - Could Not Sample									---	---
	4/28/2021	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
	8/21/2021	<0.0050	0.031	<0.0020	270	<0.0060	<0.0050	1.9	<0.0025	55	2.5	4.2	<0.0050	<0.0050	620	---	<0.010		
	4/12/2022	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
	8/4/2022	0.00076 J	0.029	<0.0020	380	<0.0060	<0.0050	0.11	<0.00050	62	3.2	4.5	<0.0050	0.0069	680	0.0026	0.0087 J		
	4/28/2023	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
	4/28/2023	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
	8/24/2023	<0.010	0.028	<0.0020	490	<0.0060	<0.010	0.089	0.0051	86	1.6	5.3	<0.010	0.015	830	<0.010	0.098		
8/24/2023	<0.010	0.028	<0.0020	480	<0.0060	<0.010	0.063	<0.010	84	1.6	5.1	<0.010	0.015	830	<0.010	0.30			
MW-38	4/22/2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
	8/26/2024	<0.010	0.026	<0.010	420	<0.010	<0.010	0.51	<0.010	76	1.7	6.6	<0.016	<0.010	810	<0.010	0.083		
	4/28/2021	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
	8/23/2021	<0.010	0.43	<0.0020	130	<0.0060	<0.010	0.54	<0.0050	21	3.4	2.1	<0.010	<0.0050	200	---	<0.010		
	4/11/2022	---	---	---	---	---	---	---	Insufficient Water to Collect Sample									---	---
	8/9/2022	0.0011	0.47	<0.0020	130	<0.0060	<0.0010	1.2	<0.00050	21	2.3	1.9	<0.0010	0.0035 J	210	0.0020	0.0093 J		
	4/28/2023	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
8/24/2023	<0.010	0.42	<0.0020	140	<0.0060	<0.010	0.76	<0.010	25	2.0	3.2	<0.010	<0.0050	270	<0.010	0.038			
8/13/2024	<0.010	0.59	<0.010	150	<0.010	<0.010	1.8	<0.010	26	2.8	7.1 J	<0.016	<0.010	300	<0.010	<0.049			

**Notes:**  
  = Analytical results exceeds the respective screening level  
  = Field Duplicate sample  
**Bold** = Detected at concentration above reporting limit  
Red = Laboratory method detection limit exceeds screening level  
 MW = Monitoring Well  
 < = Result is below laboratory method detection limit  
 --- = Specific analyte not sampled

J = Result is estimated  
 mg/L = Milligrams per liter  
 NMAC = New Mexico Administrative Code  
 - = Not applicable/No screening level for specific analyte



**TABLE 6A**  
**RCRA WELLS ANALYTICAL SUMMARY - VOLATILE ORGANIC COMPOUNDS**  
 Bloomfield Terminal 2024 Annual Report  
 Western Refining Southwest LLC  
 San Juan County, New Mexico

Sample Location	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes, Total (µg/L)	Methyl tert-butyl ether (MTBE) (µg/L)	1-Methylnaphthalene (µg/L)	2-Methylnaphthalene (µg/L)	Naphthalene (µg/L)	Acetone (µg/L)	Isopropylbenzene (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,3,5-Trimethylbenzene (µg/L)	4-Isopropyltoluene (µg/L)	n-Butylbenzene (µg/L)	n-Propylbenzene (µg/L)	sec-Butylbenzene (µg/L)	tert-Butylbenzene (µg/L)	
Screening Source		NMAC 20.6.2					NMED Soil Screening Guidance Table A-1 (Tap Water)					VOCs - EPA RSL Tap Water THQ = 0.1							
Screening Levels		5	1,000	700	620	100	11	35	1	14,100	447	5.6	6.0	-	100	66	200	69	
**MW-50	8/11/2023	<2.0	<2.0	<2.0	<3.0	<2.0	<8.0	<8.0	<4.0	<20	<2.0	<2.0	<2.0	<2.0	<6.0	<2.0	<2.0	<2.0	
	8/8/2024	0.33 J	<0.25	<0.21	0.37 J	<0.39	<2.0	<2.0	<0.24	<2.5	<0.18	<0.12	<0.18	<0.20	<0.13	<0.11	<0.14	<0.24	
MW-51	8/16/2021	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<4.0	<2.0	<10	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	
	8/3/2022	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<4.0	<2.0	7.8 J	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	
	8/11/2023	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<4.0	<2.0	<10	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	
	8/11/2023	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<4.0	<2.0	<10	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	
MW-52	8/8/2024	<0.23	<0.25	<0.21	0.38 J	<0.39	<2.0	<2.0	<0.24	2.5 J	<0.18	<0.12	<0.18	<0.20	<0.13	<0.11	<0.14	<0.24	
	4/27/2023	<1.0	<1.0	<1.0	<1.5	<1.0	---	---	---	---	---	---	---	---	---	---	---	---	
	4/27/2023	<1.0	<1.0	<1.0	<1.5	<1.0	---	---	---	---	---	---	---	---	---	---	---	---	
	8/14/2023	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<4.0	<2.0	<10	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	
MW-53	8/12/2024	<0.23	<0.25	<0.21	<0.37	<0.39	<2.0	<2.0	<0.24	<2.5	<0.18	<0.12	<0.18	<0.20	<0.13	<0.11	<0.14	<0.24	
	8/18/2021	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<4.0	<2.0	<10	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	
	8/18/2021	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<4.0	<2.0	<10	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	
	8/2/2022	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<4.0	<2.0	4.8 J	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	
	8/17/2023	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<4.0	<2.0	<10	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	
**MW-54	8/17/2023	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<4.0	<2.0	<10	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	
	8/12/2024	<0.23	<0.25	<0.21	<0.37	0.51 J	<2.0	<2.0	0.36 J	<2.5	<0.18	<0.12	<0.18	<0.20	<0.13	<0.11	<0.14	<0.24	
	8/2/2022	Sheen Observed - Could Not Sample																	
**MW-54	8/10/2023	4.8	<2.0	<2.0	<3.0	14	<8.0	<8.0	3.7	<20	7.2	<2.0	<2.0	<2.0	<6.0	4.4	2.3	<2.0	
	8/8/2024	Sheen Observed - Could Not Sample																	
**MW-55	8/1/2022	FPP - Could Not Sample																	
	8/9/2023	FPP - Could Not Sample																	
	8/5/2024	FPP - Could Not Sample																	
MW-56	8/1/2022	FPP - Could Not Sample																	
	8/9/2023	FPP - Could Not Sample																	
	8/5/2024	FPP - Could Not Sample																	
**MW-57	8/1/2022	FPP - Could Not Sample																	
	8/9/2023	FPP - Could Not Sample																	
	8/8/2024	FPP - Could Not Sample																	
**MW-58	8/1/2022	Sheen Observed - Could Not Sample																	
	8/9/2023	FPP - Could Not Sample																	
	8/5/2024	FPP - Could Not Sample																	
MW-59	8/24/2021	<1.0	<1.0	<1.0	<1.5	1,600	<4.0	<4.0	<2.0	<10	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	3.9	<1.0	
	8/3/2022	<1.0	<1.0	<1.0	<1.5	850	<4.0	<4.0	<2.0	<10	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	3.4	<1.0	
	8/22/2023	<1.0	<1.0	<1.0	<1.5	96	<4.0	<4.0	<2.0	<10	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	4.8	<1.0	
	8/9/2024	<1.1	<1.3	<1.1	<1.9	37	<10	<10	1.5 J B	<13	<0.91	<0.61	<0.91	<1.0	<0.63	<0.55	3.5 J	1.2 J	
**MW-60	8/1/2022	Insufficient Water to Collect Sample																	
	8/9/2023	Well Unable to be Located																	
	8/5/2024	Well Unable to be Located																	
**MW-61	8/24/2021	120	<1.0	18	<1.5	3,100	24	<4.0	<2.0	<10	6.8	1.9	<1.0	1.2	<3.0	5.6	3.3	<1.0	
	8/11/2022	Well Could Not Be Accessed																	
	8/9/2023	Well Abandoned																	
	8/4/2024	Well Abandoned																	
MW-62	8/23/2021	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<4.0	<2.0	<10	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	
	8/4/2022	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<4.0	<2.0	3.0 J	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	
	8/24/2023	<1.0	<1.0	<1.0	<1.5	<1.0	5.0	7.4	3.9	<10	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	
	8/14/2024	<0.23	<0.25	<0.21	<0.37	<0.39	<2.0	<2.0	0.41 J	<2.5	0.20 J	<0.12	<0.18	<0.20	<0.13	0.26 J	<0.14	<0.24	



**TABLE 6A**  
**RCRA WELLS ANALYTICAL SUMMARY - VOLATILE ORGANIC COMPOUNDS**  
 Bloomfield Terminal 2024 Annual Report  
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Sample Location	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes, Total (µg/L)	Methyl tert-butyl ether (MTBE) (µg/L)	1-Methylnaphthalene (µg/L)	2-Methylnaphthalene (µg/L)	Naphthalene (µg/L)	Acetone (µg/L)	Isopropylbenzene (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,3,5-Trimethylbenzene (µg/L)	4-Isopropyltoluene (µg/L)	n-Butylbenzene (µg/L)	n-Propylbenzene (µg/L)	sec-Butylbenzene (µg/L)	tert-Butylbenzene (µg/L)
Screening Source		NMAC 20.6.2					NMED Soil Screening Guidance Table A-1 (Tap Water)					VOCs - EPA RSL Tap Water THQ = 0.1						
Screening Levels		5	1,000	700	620	100	11	35	1	14,100	447	5.6	6.0	-	100	66	200	69
MW-63	8/24/2021	<1.0	<1.0	<1.0	<1.5	1.5	<4.0	<4.0	<2.0	<10	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0
	8/2/2022	<1.0	<1.0	<1.0	<1.5	0.52 J	<4.0	<4.0	<2.0	6.6 J	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0
	8/22/2023	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<4.0	<2.0	<10	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0
	8/9/2024	<0.23	<0.25	<0.21	<0.37	0.55 J	<2.0	<2.0	0.32 J	<2.5	<0.18	<0.12	<0.18	<0.20	<0.13	<0.11	<0.14	<0.24
MW-64	8/24/2021	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<4.0	<2.0	<10	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0
	8/2/2022	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<4.0	<2.0	8.4 J	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0
	8/22/2023	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<4.0	<2.0	<10	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0
	8/8/2024	<0.23	<0.25	<0.21	<0.37	<0.39	<2.0	<2.0	<0.24	<2.5	<0.18	<0.12	<0.18	<0.20	<0.13	<0.11	<0.14	<0.24
MW-65	8/16/2021																	
	8/22/2023	13	<1.0	5.9	<1.5	2,200	9.3	<4.0	<2.0	<10	1.9	2.7	<1.0	<1.0	<3.0	1.4	1.8	<1.0
	8/9/2024	70	1.1	6.1	2.0	1,800	12	<2.0	1.1 J	<2.5	3.4	5.8	0.29 J	0.41 J	1.6 J	4.6	4.4	0.65 J
	8/9/2024	68	1.3 J	5.8	4.0 J	1,800 E	10 J	<1.0	2.3 J B	<13	4.0 J	5.5	1.2 J	1.4 J	2.8 J	5.1	4.9 J	1.5 J
**MW-66	8/1/2022																	
	8/9/2023																	
	8/5/2024																	
MW-67	8/2/2022	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<4.0	<2.0	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	8/4/2022	<1.0	<1.0	<1.0	<1.5	1.2	<4.0	<4.0	<2.0	3.0 J	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0
	8/17/2023	<1.0	<1.0	<1.0	<1.5	2.8	<4.0	<4.0	<2.0	<10	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0
	8/9/2024	<0.23	<0.25	<0.21	<0.37	1.6	<2.0	<2.0	0.50 J	<2.5	0.20 J	<0.12	<0.18	<0.20	<0.13	0.27 J	<0.14	<0.24
MW-68	8/19/2021	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<4.0	<2.0	<10	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0
	8/3/2022	<1.0	<1.0	<1.0	<1.5	0.52 J	<4.0	<4.0	<2.0	4.5 J	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0
	8/17/2023	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<4.0	<2.0	<10	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0
	8/9/2024	<0.23	<0.25	<0.21	<0.37	0.61 J	<2.0	<2.0	0.84 J	<2.5	0.22 J	0.26 J	<0.18	<0.20	0.35 J	0.32 J	0.24 J	<0.24
**MW-69	8/1/2022																	
	8/9/2023																	
	8/5/2024																	
MW-70	8/18/2021	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<4.0	<2.0	<10	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0
	8/2/2022																	
	8/9/2023																	
	8/9/2024	<0.23	<0.25	<0.21	<0.37	0.60 J	<2.0	<2.0	0.40 J	<2.5	0.18 J	<0.12	<0.18	<0.20	<0.13	0.25 J	<0.14	<0.24
MW-71	8/1/2022																	
	8/17/2023	16,000	<20	580	34	96	<80	91	370	<200	96	44	<20	<60	180	<20	<20	
	8/9/2024																	
MW-72	8/1/2022																	
	8/9/2023																	
	8/5/2024																	
MW-73	8/19/2021	2,900	3.6	70	5.9	59	43	57	160	<10	60	<1.0	<1.0	<1.0	6.8	130	9.4	1.4
	8/1/2022	3,700	3.2	120	6.3 J	53	59	76	180	<50	53	1.1 J	<5.0	<5.0	7.7 J	120	7.9	<5.0
	8/9/2023																	
	8/8/2024																	
MW-74	8/19/2021	5,100	13	420	540	290	68	88	170	<100	63	330	81	<10	<30	120	11	<10
	8/1/2022																	
	8/9/2023																	
	8/5/2024																	



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Sample Location	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes, Total (µg/L)	Methyl tert-butyl ether (MTBE) (µg/L)	1-Methylnaphthalene (µg/L)	2-Methylnaphthalene (µg/L)	Naphthalene (µg/L)	Acetone (µg/L)	Isopropylbenzene (µg/L)	1,2,4-Trimethylbenzene (µg/L)	1,3,5-Trimethylbenzene (µg/L)	4-Isopropyltoluene (µg/L)	n-Butylbenzene (µg/L)	n-Propylbenzene (µg/L)	sec-Butylbenzene (µg/L)	tert-Butylbenzene (µg/L)	
Screening Source		NMAC 20.6.2					NMED Soil Screening Guidance Table A-1 (Tap Water)					VOCs - EPA RSL Tap Water THQ = 0.1							
Screening Levels		5	1,000	700	620	100	11	35	1	14,100	447	5.6	6.0	-	100	66	200	69	
MW-75	8/18/2021	2,400	11	14	6.8	33	34	53	98	<10	46	<1.0	<1.0	<1.0	<3.0	58	7.6	1.7	
	8/18/2021	2,400	11	13	6.8	34	33	51	98	<10	45	<1.0	<1.0	<1.0	<3.0	58	7.8	1.7	
	8/1/2022	Sheen Observed - Could Not Sample																	
	8/9/2023	FPP - Could Not Sample																	
	8/4/2024	FPP - Could Not Sample																	
MW-76	8/18/2021	8.2	<1.0	3.7	<1.5	40	83	120	190	<10	51	1	<1.0	<1.0	<3.0	58	8	1.1	
	8/1/2022	5.9	<2.0	4.7	<3.0	27	110	160	170	9.4 J	50	0.27 J	<2.0	<2.0	1.6 J	57	7.7	1.1 J	
	8/24/2023	<1.0	<1.0	1.6	<1.5	13	67	140	190	<10	56	1.2	<1.0	<1.0	<3.0	66	8.7	1.2	
	8/5/2024	FPP - Could Not Sample																	
MW-77	8/1/2022	FPP - Could Not Sample																	
	8/9/2023	FPP - Could Not Sample																	
	8/5/2024	FPP - Could Not Sample																	
MW-78	8/3/2022	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<4.0	<2.0	6.8 J	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	
	8/3/2022	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<4.0	<2.0	<10	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	
	8/9/2023	Insufficient Water to Collect Sample																	
	8/7/2024	<0.23	<0.25	0.38 J	1.0 J	<0.39	<2.0	<2.0	0.25 J	<2.5	<0.18	0.28 J	0.41 J	<0.20	<0.13	0.11 J	<0.14	<0.24	

**Notes:**

- Analytical result exceeds the respective screening level.
- Field duplicate sample collected

**Bold** = Detected at concentration above reporting limit  
**Red** = Laboratory method detection limit exceeds screening level  
 MW = Monitoring Well

< = Result is below laboratory method detection limit  
 --- = Specific analyte not sampled  
 µg/L = micrograms per liter  
 B = Compound was found in the blank and sample

J = Result is estimated  
 E = Result exceeded calibration range  
 NMED = New Mexico Environment Department  
 NMAC = New Mexico Administrative Code  
 - = Not applicable/No screening level for specific analyte  
 EPA = Environmental Protection Agency  
 RSL = Regional Screening Level  
 FPP = Free Product Present





**TABLE 6B**  
**RCRA WELLS ANALYTICAL SUMMARY -**  
**TOTAL PETROLEUM HYDROCARBONS**  
 Bloomfield Terminal 2024 Annual Report  
 Western Refining Southwest LLC  
 San Juan County, New Mexico

Sample Location	Sample Date	Diesel Range Organics (mg/L)	Gasoline Range Organics (mg/L)	Motor Oil Range Organics (mg/L)
Screening Source		NMED Soil Screening Guidance Table 6-4		
Screening Levels		0.0167	0.0101	0.0858
<b>**MW-50</b>	8/11/2023	<1.0	<0.10	<5.0
	8/8/2024	<0.067	<0.013	<0.070
<b>MW-51</b>	8/16/2021	<1.0	<0.050	---
	8/3/2022	0.11	<0.050	0.10
	8/11/2023	<1.0	<0.050	<5.0
	8/11/2023	<1.0	<0.050	<5.0
	8/8/2024	<0.067	<0.013	<0.070
<b>MW-52</b>	4/27/2023	---	---	---
	4/27/2023	---	---	---
	8/17/2023	<1.0	<0.050	<5.0
	8/12/2024	0.084 J	<0.013	<0.070
<b>MW-53</b>	8/18/2021	<1.0	<0.050	---
	8/18/2021	<1.0	<0.050	---
	8/2/2022	0.10	<0.050	<0.080
	8/17/2023	<1.0	<0.050	<5.0
	8/17/2023	<1.0	<0.050	<5.0
	8/9/2024	0.10 J B	<0.013	<0.070
<b>**MW-54</b>	8/2/2022	Sheen Observed - Could Not Sample		
	8/10/2023	2.5	0.34	<5.0
	8/10/2023	Sheen Observed - Could Not Sample		
	8/8/2024	Sheen Observed - Could Not Sample		
<b>**MW-55</b>	8/1/2022	FPP - Could Not Sample		
	8/9/2023	FPP - Could Not Sample		
	8/5/2024	FPP - Could Not Sample		
<b>MW-56</b>	8/1/2022	FPP - Could Not Sample		
	8/9/2023	FPP - Could Not Sample		
	8/5/2024	FPP - Could Not Sample		
<b>**MW-57</b>	8/1/2022	FPP - Could Not Sample		
	8/9/2023	FPP - Could Not Sample		
	8/8/2024	Sheen Observed - Could Not Sample		
<b>**MW-58</b>	8/1/2022	Sheen Observed - Could Not Sample		
	8/9/2023	FPP - Could Not Sample		
	8/5/2024	FPP - Could Not Sample		
<b>MW-59</b>	8/24/2021	<1.0	0.060	---
	8/3/2022	0.50	0.85	<0.080
	8/22/2023	<1.0	0.081	<5.0
	8/9/2024	0.22	0.056	<0.070



**TABLE 6B**  
**RCRA WELLS ANALYTICAL SUMMARY -**  
**TOTAL PETROLEUM HYDROCARBONS**  
 Bloomfield Terminal 2024 Annual Report  
 Western Refining Southwest LLC  
 San Juan County, New Mexico

Sample Location	Sample Date	Diesel Range Organics (mg/L)	Gasoline Range Organics (mg/L)	Motor Oil Range Organics (mg/L)
Screening Source		NMED Soil Screening Guidance Table 6-4		
Screening Levels		0.0167	0.0101	0.0858
<b>**MW-60</b>	8/1/2022	Insufficient Water to Collect Sample		
	8/9/2023	Well Unable to be Located		
	8/5/2024	Well Unable to be Located		
<b>**MW-61</b>	8/24/2021	<1.0	0.89	---
	8/1/2022	Well Could Not Be Accessed		
	8/9/2023	Well Abandoned		
	8/4/2024	Well Abandoned		
<b>MW-62</b>	8/23/2021	<1.0	<0.050	---
	8/4/2022	0.020 J	<0.050	<0.080
	8/24/2023	<1.0	<0.050	<5.0
	8/14/2024	<0.067	<0.013	<0.070
<b>MW-63</b>	8/24/2021	<1.0	<0.050	---
	8/2/2022	---	<0.050	---
	8/22/2023	<1.0	<0.050	<5.0
	8/9/2024	0.10 J B	<0.013	<0.070
<b>MW-64</b>	8/24/2021	<1.0	<0.050	---
	8/2/2022	0.074	<0.050	<0.080
	8/22/2023	<1.0	<0.050	<5.0
	8/8/2024	0.11 J B	<0.013	<0.070
<b>MW-65</b>	8/16/2021	Well Destroyed		
	8/22/2023	<1.0	2.2	<5.0
	8/9/2024	2.7	3.1	0.21
	8/9/2024	2.5 *1	3.1	0.070 J
<b>**MW-66</b>	8/1/2022	FPP - Could Not Sample		
	8/9/2023	FPP - Could Not Sample		
	8/5/2024	FPP - Could Not Sample		
<b>MW-67</b>	8/20/2021	<1.0	<0.050	---
	8/4/2022	0.78	<0.050	0.11
	8/17/2023	<1.0	<0.050	<5.0
	8/9/2024	0.26 B	<0.013	<0.070
<b>MW-68</b>	8/19/2021	<1.0	<0.050	---
	8/3/2022	0.022 J	<0.050	<0.080
	8/17/2023	<1.0	<0.050	<5.0
	8/9/2024	0.080 J B	<0.013	<0.070



**TABLE 6B**  
**RCRA WELLS ANALYTICAL SUMMARY -**  
**TOTAL PETROLEUM HYDROCARBONS**  
 Bloomfield Terminal 2024 Annual Report  
 Western Refining Southwest LLC  
 San Juan County, New Mexico

Sample Location	Sample Date	Diesel Range Organics (mg/L)	Gasoline Range Organics (mg/L)	Motor Oil Range Organics (mg/L)
<b>Screening Source</b>		<b>NMED Soil Screening Guidance Table 6-4</b>		
<b>Screening Levels</b>		<b>0.0167</b>	<b>0.0101</b>	<b>0.0858</b>
<b>**MW-69</b>	8/1/2022	Well Dry - Could Not Sample		
	8/9/2023	Well Dry - Could Not Sample		
	8/5/2024	Well Dry - Could Not Sample		
<b>MW-70</b>	8/18/2021	<1.0	<0.050	---
	8/2/2022	Insufficient Water to Collect Sample		
	8/9/2023	Insufficient Water to Collect Sample		
	8/9/2024	0.19 J B	<0.013	<0.079
<b>MW-71</b>	8/1/2022	FPP - Could Not Sample		
	8/17/2023	3.0	41	<5.0
	8/9/2024	Sheen Observed - Could Not Sample		
<b>MW-72</b>	8/1/2022	FPP - Could Not Sample		
	8/9/2023	FPP - Could Not Sample		
	8/5/2024	FPP - Could Not Sample		
<b>MW-73</b>	8/19/2021	1.7	14	---
	8/1/2022	3.3	16	<0.080
	8/9/2023	FPP - Could Not Sample		
	8/8/2024	FPP - Could Not Sample		
<b>MW-74</b>	8/19/2021	1.2	24	---
	8/1/2022	Sheen Observed - Could Not Sample		
	8/9/2023	FPP - Could Not Sample		
	8/5/2024	FPP - Could Not Sample		
<b>MW-75</b>	8/18/2021	1.1	14	---
	8/18/2021	1.1	13	---
	8/1/2022	Sheen Observed - Could Not Sample		
	8/9/2023	FPP - Could Not Sample		
	8/4/2024	FPP - Could Not Sample		
<b>MW-76</b>	8/18/2021	1.5	1.2	---
	8/1/2022	2.9	0.74	0.066 J
	8/24/2023	<1.0	0.15	<5.0
	8/5/2024	FPP - Could Not Sample		
<b>MW-77</b>	8/1/2022	FPP - Could Not Sample		
	8/9/2023	FPP - Could Not Sample		
	8/5/2024	FPP - Could Not Sample		



**TABLE 6B**  
**RCRA WELLS ANALYTICAL SUMMARY -**  
**TOTAL PETROLEUM HYDROCARBONS**  
 Bloomfield Terminal 2024 Annual Report  
 Western Refining Southwest LLC  
 San Juan County, New Mexico

Sample Location	Sample Date	Diesel Range Organics (mg/L)	Gasoline Range Organics (mg/L)	Motor Oil Range Organics (mg/L)
Screening Source		NMED Soil Screening Guidance Table 6-4		
Screening Levels		0.0167	0.0101	0.0858
MW-78	8/3/2022	0.054 J	<0.050	<0.080
	8/3/2022	0.055 J	<0.050	<0.080
	8/9/2023	Insufficient Water to Collect Sample		
	8/7/2024	0.072 J	0.014 J	<0.070

**Notes:**

= Analytical results exceeds the respective screening level

= Field Duplicate sample

**Bold** = Detected at concentration above reporting limit

**Red** = Laboratory method detection limit exceeds screening level

MW = Monitoring Well

< = Result is below laboratory method detection limit

--- = Specific analyte not sampled

J = Result is estimated

mg/L = Milligrams per liter

NMED = New Mexico Environment Department

FPP = Free Product Present



**TABLE 6C**  
**RCRA WELLS ANALYTICAL SUMMARY - SEMI-VOLATILE ORGANIC COMPOUNDS**  
 Bloomfield Terminal 2024 Annual Report  
 Western Refining Southwest LLC  
 San Juan County, New Mexico

Sample Location	Sample Date	1-Methyl-naphthalene (µg/L)	2,4-Dimethyl-phenol (µg/L)	2-Methyl-naphthalene (µg/L)	3+4-Methylphenol (µg/L)	4,6-Dinitro-2-methylphenol (µg/L)	Benzoic Acid (µg/L)	Bis(2-ethylhexyl)-phthalate (µg/L)	Butyl benzyl phthalate (µg/L)	Di-n-octyl phthalate (µg/L)	Fluorene (µg/L)	Naphthalene (µg/L)	Phenol (µg/L)	Pyridine (µg/L)
Screening Source		SVOCs - EPA RSL Tap Water THQ = 0.1												
Screening Levels		11.4	36	35.1	93	0.15	7,500	5.6	16	-	29	1.17	580	2
<b>**MW-50</b>	8/11/2023	<5.0	<10	<5.0	<10	<10	<20	<10	<10	<10	<5.0	<5.0	<10	<40
	8/8/2024	<14	<24	<14	<24	<95	<76	<49	<32	<38	<24	<17	<19	<13
<b>MW-51</b>	8/16/2021	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<20	<5.0	<5.0	<5.0	<5.0
	8/3/2022	<5.0	<10	<5.0	<10	<10	<20	<10	<10	<20	<10	<5.0	<20	<40
	8/11/2023	<5.0	<10	<5.0	<10	<10	<20	<10	<10	<20	<10	<5.0	<20	<40
	8/11/2023	<5.0	<10	<5.0	<10	<10	<20	<10	<10	<20	<10	<5.0	<20	<40
	8/8/2024	<43	<24	<14	<24	<95	<76	<49	<32	<38	<24	<17	<19	<13
<b>MW-52</b>	4/27/2023	---	---	---	---	---	---	---	---	---	---	---	---	---
	4/27/2023	---	---	---	---	---	---	---	---	---	---	---	---	---
	8/17/2023	---	---	---	---	---	---	---	---	---	---	---	---	---
	8/12/2024	---	---	---	---	---	---	---	---	---	---	---	---	---
<b>MW-53</b>	8/18/2021	---	---	---	---	---	---	---	---	---	---	---	---	---
	8/18/2021	---	---	---	---	---	---	---	---	---	---	---	---	---
	8/2/2022	---	---	---	---	---	---	---	---	---	---	---	---	---
	8/17/2023	---	---	---	---	---	---	---	---	---	---	---	---	---
	8/17/2023	---	---	---	---	---	---	---	---	---	---	---	---	---
	8/9/2024	---	---	---	---	---	---	---	---	---	---	---	---	---
<b>**MW-54</b>	8/2/2022	Sheen Observed - Could Not Sample												
	8/10/2023	<5.0	<10	<5.0	<10	<10	<20	<10	<10	<20	<5.0	<5.0	<10	<40
	8/8/2024	Sheen Observed - Could Not Sample												
<b>**MW-55</b>	8/1/2022	FPP - Could Not Sample												
	8/9/2023	FPP - Could Not Sample												
	8/5/2024	FPP - Could Not Sample												
<b>MW-56</b>	8/1/2022	FPP - Could Not Sample												
	8/9/2023	FPP - Could Not Sample												
	8/5/2024	FPP - Could Not Sample												
<b>**MW-57</b>	8/1/2022	FPP - Could Not Sample												
	8/9/2023	FPP - Could Not Sample												
	8/8/2024	Sheen Observed - Could Not Sample												
<b>**MW-58</b>	8/1/2022	Sheen Observed - Could Not Sample												
	8/9/2023	FPP - Could Not Sample												
	8/5/2024	FPP - Could Not Sample												
<b>MW-59</b>	8/24/2021	<5.0	<5.0	<5.0	<5.0	<5.0	<20	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	8/3/2022	---	---	---	---	---	---	---	---	---	---	---	---	---
	8/22/2023	<5.0	<10	<5.0	<10	<10	<20	<10	<10	<20	<5.0	<5.0	<10	<40
	8/9/2024	<43	<24	<14	<24	<95	<76	<49	<32	<38	<24	<17	<19	<13



**TABLE 6C**  
**RCRA WELLS ANALYTICAL SUMMARY - SEMI-VOLATILE ORGANIC COMPOUNDS**  
 Bloomfield Terminal 2024 Annual Report  
 Western Refining Southwest LLC  
 San Juan County, New Mexico

Sample Location	Sample Date	1-Methyl-naphthalene (µg/L)	2,4-Dimethyl-phenol (µg/L)	2-Methyl-naphthalene (µg/L)	3+4-Methylphenol (µg/L)	4,6-Dinitro-2-methylphenol (µg/L)	Benzoic Acid (µg/L)	Bis(2-ethylhexyl)-phthalate (µg/L)	Butyl benzyl phthalate (µg/L)	Di-n-octyl phthalate (µg/L)	Fluorene (µg/L)	Naphthalene (µg/L)	Phenol (µg/L)	Pyridine (µg/L)
<b>Screening Source</b>		<b>SVOCs - EPA RSL Tap Water THQ = 0.1</b>												
<b>Screening Levels</b>		11.4	36	35.1	93	0.15	7,500	5.6	16	-	29	1.17	580	2
<b>**MW-60</b>	8/1/2022	Insufficient Water to Collect Sample												
	8/9/2023	Well Unable to be Located												
	8/5/2024	Well Unable to be Located												
<b>**MW-61</b>	8/24/2021	18	<5.0	<5.0	<5.0	<5.0	<20	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
	8/1/2022	Well Could Not Be Accessed												
	8/9/2023	Well Abandoned												
	8/4/2024	Well Abandoned												
<b>MW-62</b>	8/23/2021	---	---	---	---	---	---	---	---	---	---	---	---	---
	8/4/2022	---	---	---	---	---	---	---	---	---	---	---	---	---
	8/24/2023	---	---	---	---	---	---	---	---	---	---	---	---	---
	8/14/2024	---	---	---	---	---	---	---	---	---	---	---	---	---
<b>MW-63</b>	8/24/2021	---	---	---	---	---	---	---	---	---	---	---	---	---
	8/2/2022	---	---	---	---	---	---	---	---	---	---	---	---	---
	8/22/2023	---	---	---	---	---	---	---	---	---	---	---	---	---
	8/9/2024	---	---	---	---	---	---	---	---	---	---	---	---	---
<b>MW-64</b>	8/24/2021	---	---	---	---	---	---	---	---	---	---	---	---	---
	8/2/2022	---	---	---	---	---	---	---	---	---	---	---	---	---
	8/22/2023	---	---	---	---	---	---	---	---	---	---	---	---	---
	8/8/2024	---	---	---	---	---	---	---	---	---	---	---	---	---
<b>MW-65</b>	8/16/2021	Well Destroyed												
	8/22/2023	9.5	<10	<5.0	<10	<10	<20	<10	<10	<10	<5.0	<5.0	<10	<40
	8/9/2024	<43	<24	<14	<24	<95	<76	<49	<32	<38	<24	<17	<19	<13
	8/9/2024	<43	<24	<14	<24	<95	<76	<49	<32	<38	<24	<17	<19	<13
<b>**MW-66</b>	8/1/2022	FPP - Could Not Sample												
	8/9/2023	FPP - Could Not Sample												
	8/5/2024	FPP - Could Not Sample												
<b>MW-67</b>	8/20/2021	---	---	---	---	---	---	---	---	---	---	---	---	---
	8/4/2022	---	---	---	---	---	---	---	---	---	---	---	---	---
	8/17/2023	---	---	---	---	---	---	---	---	---	---	---	---	---
	8/9/2024	---	---	---	---	---	---	---	---	---	---	---	---	---
<b>MW-68</b>	8/19/2021	---	---	---	---	---	---	---	---	---	---	---	---	---
	8/3/2022	---	---	---	---	---	---	---	---	---	---	---	---	---
	8/17/2023	---	---	---	---	---	---	---	---	---	---	---	---	---
	8/9/2024	---	---	---	---	---	---	---	---	---	---	---	---	---
<b>**MW-69</b>	8/1/2022	Well Dry - Could Not Sample												
	8/9/2023	Well Dry - Could Not Sample												
	8/5/2024	Well Dry - Could Not Sample												



**TABLE 6C**  
**RCRA WELLS ANALYTICAL SUMMARY - SEMI-VOLATILE ORGANIC COMPOUNDS**  
 Bloomfield Terminal 2024 Annual Report  
 Western Refining Southwest LLC  
 San Juan County, New Mexico

Sample Location	Sample Date	1-Methyl-naphthalene (µg/L)	2,4-Dimethyl-phenol (µg/L)	2-Methyl-naphthalene (µg/L)	3+4-Methylphenol (µg/L)	4,6-Dinitro-2-methylphenol (µg/L)	Benzoic Acid (µg/L)	Bis(2-ethylhexyl)-phthalate (µg/L)	Butyl benzyl phthalate (µg/L)	Di-n-octyl phthalate (µg/L)	Fluorene (µg/L)	Naphthalene (µg/L)	Phenol (µg/L)	Pyridine (µg/L)
Screening Source		SVOCs - EPA RSL Tap Water THQ = 0.1												
Screening Levels		11.4	36	35.1	93	0.15	7,500	5.6	16	-	29	1.17	580	2
MW-70	8/18/2021	---	---	---	---	---	---	---	---	---	---	---	---	---
	8/2/2022	Insufficient Water to Collect Sample												
	8/9/2023	Insufficient Water to Collect Sample												
	8/9/2024	<43	<24	<14	<24	<95	<76	<49	<32	<38	<24	<17	<19	<13
MW-71	8/1/2022	FPP - Could Not Sample												
	8/17/2023	85	<10	140	<10	<10	<20	<10	<10	<10	<5.0	<5.0	54	<40
	8/9/2024	Sheen Observed - Could Not Sample												
MW-72	8/1/2022	FPP - Could Not Sample												
	8/9/2023	FPP - Could Not Sample												
	8/5/2024	FPP - Could Not Sample												
MW-73	8/19/2021	29	<5.0	36	<5.0	<5.0	<5.0	<5.0	<5.0	<20	<5.0	85	65	<5.0
	8/1/2022	<5.0	<10	45	<10	<10	<20	<10	<10	<20	<10	100	180	<40
	8/9/2023	FPP - Could Not Sample												
	8/8/2024	FPP - Could Not Sample												
MW-74	8/19/2021	51	<5.0	66	<5.0	<5.0	<5.0	<5.0	<5.0	<20	<5.0	110	9.1	<5.0
	8/1/2022	Sheen Observed - Could Not Sample												
	8/9/2023	FPP - Could Not Sample												
	8/5/2024	FPP - Could Not Sample												
MW-75	8/18/2021	24	<5.0	33	<5.0	<5.0	<5.0	<5.0	<5.0	<20	<5.0	54	12	<5.0
	8/18/2021	24	<5.0	32	<5.0	<5.0	<5.0	<5.0	<5.0	<20	<5.0	54	13	<5.0
	8/1/2022	Sheen Observed - Could Not Sample												
	8/9/2023	FPP - Could Not Sample												
	8/4/2024	FPP - Could Not Sample												
MW-76	8/18/2021	56	<5.0	70	<5.0	<5.0	<5.0	<10	<5.0	<10	5.3	120	<5.0	<5.0
	8/1/2022	49	<10	67	<10	<10	<20	<10	<10	<20	<10	91	<20	<40
	8/24/2023	69	<10	110	<10	<10	<20	<10	<10	<20	5.9	110	<10	<40
	8/5/2024	FPP - Could Not Sample												
	8/1/2022	FPP - Could Not Sample												
MW-77	8/9/2023	FPP - Could Not Sample												
	8/5/2024	FPP - Could Not Sample												
	8/3/2022	<5.0	<10	<5.0	<10	<10	<20	<10	<10	<20	<10	<5.0	<20	<40
MW-78	8/3/2022	<5.0	<10	<5.0	<10	<10	<20	<10	<10	<20	<10	<5.0	<20	<40
	8/9/2023	Insufficient Water to Collect Sample												
	8/7/2024	<34	<19	<11	<20	<76	<61	<39	<26	<30	<19	<13	<16	<10
	8/3/2022	<5.0	<10	<5.0	<10	<10	<20	<10	<10	<20	<10	<5.0	<20	<40



**TABLE 6C**  
**RCRA WELLS ANALYTICAL SUMMARY - SEMI-VOLATILE ORGANIC COMPOUNDS**  
 Bloomfield Terminal 2024 Annual Report  
 Western Refining Southwest LLC  
 San Juan County, New Mexico

Sample Location	Sample Date	1-Methyl-naphthalene (µg/L)	2,4-Dimethyl-phenol (µg/L)	2-Methyl-naphthalene (µg/L)	3+4-Methylphenol (µg/L)	4,6-Dinitro-2-methylphenol (µg/L)	Benzoic Acid (µg/L)	Bis(2-ethylhexyl)phthalate (µg/L)	Butyl benzyl phthalate (µg/L)	Di-n-octyl phthalate (µg/L)	Fluorene (µg/L)	Naphthalene (µg/L)	Phenol (µg/L)	Pyridine (µg/L)
<b>Screening Source</b>		<b>SVOCs - EPA RSL Tap Water THQ = 0.1</b>												
<b>Screening Levels</b>		11.4	36	35.1	93	0.15	7,500	5.6	16	-	29	1.17	580	2

- Notes:**
- = Analytical results exceeds the respective screening level
  - = Field Duplicate sample
  - Bold** = Detected at concentration above reporting limit
  - Red** = Laboratory method detection limit exceeds screening level
  - MW = Monitoring Well
  - < = Result is below laboratory method detection limit
  - = Specific analyte not sampled
  - µg/L = micrograms per liter
  - J = Result is estimated
  - SVOC - Semi-volatile organic compound
  - EPA = Environmental Protection Agency
  - RSL - Regional Screening Level
  - = Not applicable/No screening level for specific analyte
  - EPA = Environmental Protection Agency
  - FPP = Free Product Present





**TABLE 6D**  
**RCRA WELLS ANALYTICAL SUMMARY - ANIONS**  
 Bloomfield Terminal 2024 Annual Report  
 Western Refining Southwest LLC  
 San Juan County, New Mexico

Sample Location	Sample Date	Fluoride (mg/L)	Chloride (mg/L)	Nitrite (mg/L)	Bromide (mg/L)	Nitrate (mg/L)	Phosphorus (mg/L)	Sulfate (mg/L)	Carbon Dioxide (CO <sub>2</sub> ) (mg/L)	Alkalinity (CaCO <sub>3</sub> ) (mg/L)	Bicarbonate (CaCO <sub>3</sub> ) (mg/L)
Screening Source		Anions - NMAC 20.6.2									
Screening Levels		2	250	1	-	10	-	600	-	-	-
<b>**MW-50</b>	8/11/2023	<0.050	7.1	<1.0*	<0.50	<1.0*	<2.5 H	81	360 H	404.6	404.6
	8/8/2024	0.20	15	<0.10	0.16	1.8	<0.50	210	320 HF	350	350
<b>MW-51</b>	8/16/2021	---	---	---	---	---	---	---	---	---	---
	8/3/2022	0.36	7.7	0.018 J	0.072 J	0.97	<0.50	34	300 H	324	324
	8/11/2023	0.25	12	<1.0*	<0.10	<1.0*	<0.50 H	59	330 H	366.2	366.2
	8/11/2023	<0.50	11	<1.0*	<0.50	<1.0*	<2.5 H	60	330 H	363.5	363.5
	8/8/2024	1.2	4.7	<0.10	<0.10	1.1	<0.50	98	160 HF	180	180
<b>MW-52</b>	4/27/2023	0.29	840	<2.0	1.8	8.1	<0.50	990	350	350	350
	8/17/2023	<0.50	1,100	33*	2.8	33*	<2.5 H	1,300	140 H	142.3	142.3
	8/12/2024	1.2	430	11*	1.4	11*	<1.3 H	980	160 HF	160	160
<b>MW-53</b>	8/18/2021	---	---	---	---	---	---	---	---	---	---
	8/18/2021	---	---	---	---	---	---	---	---	---	---
	8/2/2022	<2.0	790	<2.0	2.5	25	<10	980	240 H	259.1	259.1
	8/17/2023	<0.50	790	<20*	2.3	<20*	<2.5 H	1,100	250 H	265.2	265.2
	8/17/2023	<0.50	780	17*	2.3	17*	<2.5 H	1,100	250 H	268.8	268.8
8/9/2024	0.61 J	810	20*	2.0	20*	<0.25 H	1,100	250 HF	270	270	
<b>**MW-54</b>	8/2/2022	Sheen Observed - Could Not Sample									
	8/10/2023	<0.50	810	<1.0*	1.5	<1.0*	<2.5 H	31	---	1,083	1,083
	8/8/2024	Sheen Observed - Could Not Sample									
<b>**MW-55</b>	8/1/2022	FPP - Could Not Sample									
	8/9/2023	FPP - Could Not Sample									
	8/5/2024	FPP - Could Not Sample									
<b>MW-56</b>	8/1/2022	FPP - Could Not Sample									
	8/9/2023	FPP - Could Not Sample									
	8/5/2024	FPP - Could Not Sample									
<b>**MW-57</b>	8/1/2022	FPP - Could Not Sample									
	8/9/2023	FPP - Could Not Sample									
	8/8/2024	Sheen Observed - Could Not Sample									



**TABLE 6D**  
**RCRA WELLS ANALYTICAL SUMMARY - ANIONS**  
 Bloomfield Terminal 2024 Annual Report  
 Western Refining Southwest LLC  
 San Juan County, New Mexico

Sample Location	Sample Date	Fluoride (mg/L)	Chloride (mg/L)	Nitrite (mg/L)	Bromide (mg/L)	Nitrate (mg/L)	Phosphorus (mg/L)	Sulfate (mg/L)	Carbon Dioxide (CO <sub>2</sub> ) (mg/L)	Alkalinity (CaCO <sub>3</sub> ) (mg/L)	Bicarbonate (CaCO <sub>3</sub> ) (mg/L)
Screening Source		Anions - NMAC 20.6.2									
Screening Levels		2	250	1	-	10	-	600	-	-	-
**MW-58	8/1/2022	Sheen Observed - Could Not Sample									
	8/9/2023	FPP - Could Not Sample									
	8/5/2024	FPP - Could Not Sample									
MW-59	8/24/2021	---	---	---	---	---	---	---	---	---	---
	8/3/2022	<0.10	280	0.56	5.3	27	<10	990	1,000 H	998.7	998.7
	8/22/2023	<0.50	250	0.57	4.7	53	<2.5	1,600	710 H	769.4	769.4
	8/9/2024	<0.50	160	19*	2.7	19*	<2.5 H	1,200	740 HF	740	740
**MW-60	8/1/2022	Insufficient Water to Collect Sample									
	8/9/2023	Well Unable to be Located									
	8/5/2024	Well Unable to be Located									
**MW-61	8/24/2021	---	---	---	---	---	---	---	---	---	---
	8/1/2022	Well Could Not Be Accessed									
	8/9/2023	Well Abandoned									
	8/4/2024	Well Abandoned									
MW-62	8/23/2021	---	---	---	---	---	---	---	---	---	---
	8/4/2022	<2.0	13	<0.10	<0.10	0.23	<10	3,500	520 H	540.1	540.1
	8/24/2023	<2.0	13	<0.10	<0.10	0.41	<10	3,700	500 H	517.7	517.7
	8/14/2024	<0.46	14	<0.12	<0.50	0.30 J	<2.5	3,700	530 HF	540	540
MW-63	8/24/2021	---	---	---	---	---	---	---	---	---	---
	8/2/2022	---	---	---	---	---	---	---	---	---	---
	8/22/2023	<0.50	160	<0.50	2.2	47	<2.5	1,200	450 H	484.6	484.6
	8/9/2024	0.15	180	39*	2.1	39*	<0.25 H	1,200	340 HF	350	350
MW-64	8/24/2021	---	---	---	---	---	---	---	---	---	---
	8/2/2022	0.054 J	760	<2.0	2.4	38	<10	1,200	280 H	299	299
	8/22/2023	<0.50	740	<0.50	2.3	34	<2.5	1,200	230 H	249.4	249.4
	8/8/2024	0.17	400	<2.0	2.2	39	<0.50	1,000	260 HF	290	290
MW-65	8/16/2021	Well Destroyed									
	8/22/2023	<0.50	210	<0.50	3.9	<0.50	<2.5	170	990 H	1,106	1,106
	8/9/2024	<0.23	320	<0.11*	5.0	<0.11*	<1.3 H	80	1,200 HF	1,300	1,300
	8/9/2024	<0.23	320	<0.11*	5.0	<0.11*	<1.3 H	84	1,200 HF	1,300	1,300



<b>TABLE 6D</b> <b>RCRA WELLS ANALYTICAL SUMMARY - ANIONS</b> Bloomfield Terminal 2024 Annual Report Western Refining Southwest LLC San Juan County, New Mexico											
Sample Location	Sample Date	Fluoride (mg/L)	Chloride (mg/L)	Nitrite (mg/L)	Bromide (mg/L)	Nitrate (mg/L)	Phosphorus (mg/L)	Sulfate (mg/L)	Carbon Dioxide (CO <sub>2</sub> ) (mg/L)	Alkalinity (CaCO <sub>3</sub> ) (mg/L)	Bicarbonate (CaCO <sub>3</sub> ) (mg/L)
Screening Source		Anions - NMAC 20.6.2									
Screening Levels		2	250	1	-	10	-	600	-	-	-
<b>**MW-66</b>	8/1/2022	FPP - Could Not Sample									
	8/9/2023	FPP - Could Not Sample									
	8/5/2024	FPP - Could Not Sample									
<b>MW-67</b>	8/20/2021	---	---	---	---	---	---	---	---	---	---
	8/4/2022	0.46	19	<0.10	0.22	16	<0.50	520	260 H	275.2	275.2
	8/17/2023	<0.50	45	16*	<0.50	16*	<2.5 H	1,100	210 H	221.4	221.4
	8/9/2024	0.94	17	4.0*	0.24	4.0*	<0.25 H	390	170 HF	180	180
<b>MW-68</b>	8/19/2021	---	---	---	---	---	---	---	---	---	---
	8/2/2022	0.34	24	---	0.12	---	<0.50 H	220	260	279.1	279.1
	8/17/2023	<0.050	300	35*	1.4	35*	<2.5 H	690	210 H	220.4	220.4
	8/8/2024	0.42	99	15*	0.57	15*	<0.25 H	370	130 HF	140	140
<b>**MW-69</b>	8/1/2022	Well Dry - Could Not Sample									
	8/9/2023	Well Dry - Could Not Sample									
	8/5/2024	Well Dry - Could Not Sample									
<b>MW-70</b>	8/18/2021	---	---	---	---	---	---	---	---	---	---
	8/2/2022	Insufficient Water to Collect Sample									
	8/9/2023	Insufficient Water to Collect Sample									
	8/9/2024	---	---	---	---	---	---	---	---	---	---
<b>MW-71</b>	8/1/2022	FPP - Could Not Sample									
	8/17/2023	0.59	110	<1.0	2.5	<1.0	<2.5 H	4.5	1,100 H	1,103	1,103
	8/9/2024	Sheen Observed - Could Not Sample									
<b>MW-72</b>	8/1/2022	FPP - Could Not Sample									
	8/9/2023	FPP - Could Not Sample									
	8/5/2024	FPP - Could Not Sample									
<b>MW-73</b>	8/19/2021	---	---	---	---	---	---	---	---	---	---
	8/1/2022	<0.50	120	---	2.7	---	<2.5 H	24	960 H	1,020	1,020
	8/9/2023	FPP - Could Not Sample									
	8/8/2024	FPP - Could Not Sample									



**TABLE 6D**  
**RCRA WELLS ANALYTICAL SUMMARY - ANIONS**  
 Bloomfield Terminal 2024 Annual Report  
 Western Refining Southwest LLC  
 San Juan County, New Mexico

Sample Location	Sample Date	Fluoride (mg/L)	Chloride (mg/L)	Nitrite (mg/L)	Bromide (mg/L)	Nitrate (mg/L)	Phosphorus (mg/L)	Sulfate (mg/L)	Carbon Dioxide (CO <sub>2</sub> ) (mg/L)	Alkalinity (CaCO <sub>3</sub> ) (mg/L)	Bicarbonate (CaCO <sub>3</sub> ) (mg/L)
Screening Source		Anions - NMAC 20.6.2									
Screening Levels		2	250	1	-	10	-	600	-	-	-
MW-74	8/19/2021	---	---	---	---	---	---	---	---	---	---
	8/1/2022	Sheen Observed - Could Not Sample									
	8/9/2023	FPP - Could Not Sample									
	8/5/2024	FPP - Could Not Sample									
MW-75	8/18/2021	---	---	---	---	---	---	---	---	---	---
	8/18/2021	---	---	---	---	---	---	---	---	---	---
	8/1/2022	Sheen Observed - Could Not Sample									
	8/9/2023	FPP - Could Not Sample									
MW-76	8/18/2021	---	---	---	---	---	---	---	---	---	---
	8/1/2022	0.48 J	28	---	0.65	---	<2.5 H	<2.5	850 H	901.6	901.6
	8/24/2023	<0.50	4.5	<0.50	<0.50	<0.50	<2.5	<2.5	820 H	803.6	803.6
	8/5/2024	FPP - Could Not Sample									
MW-77	8/1/2022	FPP - Could Not Sample									
	8/9/2023	FPP - Could Not Sample									
	8/5/2024	FPP - Could Not Sample									
MW-78	8/3/2022	0.45 J	270	<0.50	1.1	35	<2.5	840	270 H	279.2	279.2
	8/3/2022	0.44 J	260	<0.50	1.1	35	<2.5	840	270 H	279.2	279.2
	8/9/2023	Insufficient Water to Collect Sample									
	8/7/2024	---	---	---	---	---	---	---	---	---	---

**Notes:**

= Analytical results exceeds the respective screening level

= Field Duplicate sample

**Bold** = Detected at concentration above reporting limit

**Red** = Laboratory method detection limit exceeds screening level

MW = Monitoring Well

< = Result is below laboratory method detection limit

--- = Specific analyte not sampled

mg/L = Milligrams per liter

J = Result is estimated

H/HF = Sample was prepped or analyzed beyond the specified holding time

NMAC = New Mexico Administrative Code

- = Not applicable/No screening level for specific analyte

FPP = Free Product Present

\* = Nitrate & Nitrite value is a combined result



**TABLE 6E**  
**RCRA WELLS ANALYTICAL SUMMARY - TOTAL METALS**  
 Bloomfield Terminal 2024 Annual Report  
 Western Refining Southwest LLC  
 San Juan County, New Mexico

Sample Location	Sample Date	Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Lead (mg/L)	Selenium (mg/L)	Silver (mg/L)	Mercury (mg/L)
Screening Source		Total Metals - NMAC 20.6.2							
Screening Levels		0.01	2.0	0.005	0.05	0.015	0.05	0.05	0.002
<b>**MW-50</b>	8/11/2023	<b>0.010</b>	<b>0.29</b>	<0.0020	<0.0060	<0.0010	<0.0010	<0.0050	<0.00020
	8/8/2024	<b>0.0074</b>	<b>0.32</b>	<0.0025	<0.0025	<0.060	<0.080	<0.0025	<0.00012
<b>MW-51</b>	8/16/2021	<b>0.0072</b>	<b>0.082</b>		<0.0060	<0.00050	<0.0010	<0.00050	<0.00020
	8/3/2022	<b>0.0073</b>	<b>0.160</b>		<0.0060	<0.00050	<b>0.00081 J</b>	<0.0050	<b>0.000096 J</b>
	8/11/2023	<b>0.0064</b>	<b>0.24</b>	<0.0020	<0.0060	<0.0010	<b>0.0013</b>	<0.0050	<0.00020
	8/11/2023	<b>0.0065</b>	<b>0.24</b>	<0.0020	<0.0060	<0.0010	<0.0010	<0.0050	<0.00020
	8/8/2024	<b>0.0054</b>	<b>0.083</b>	<0.0025	<0.0025	<0.0060	<0.0040	<0.0025	<0.00060
<b>MW-52</b>	4/27/2023	---	---	---	---	---	---	---	---
	4/27/2023	---	---	---	---	---	---	---	---
	8/17/2023	<0.0050	<b>0.027</b>	<0.0020	<0.0060	<0.0050	<b>0.11</b>	<b>0.013</b>	<0.00020
	8/12/2024	<b>0.0039 J</b>	<b>0.069</b>	<0.0025	<0.0025	<0.012	<b>0.048</b>	<0.0025	<0.00012
<b>MW-53</b>	8/18/2021	<0.0050	<b>0.014</b>		<0.0060	<0.0025	<b>0.047</b>	<0.0050	<0.00020
	8/18/2021	<b>0.0014</b>	<b>0.015</b>		<0.0060	<0.00050	<b>0.063</b>	<0.0050	<0.00020
	8/2/2022	<b>0.0014 J</b>	<b>0.015</b>		<0.0060	<0.00050	<b>0.037</b>	<b>0.0061</b>	<0.00020
	8/17/2023	<0.0050	<b>0.086</b>	<0.0020	<0.0060	<0.0050	<b>0.039</b>	<b>0.0097</b>	<0.00020
	8/17/2023	<b>0.0037</b>	<b>0.11</b>	<0.0020	<0.0060	<0.0050	<b>0.036</b>	<b>0.0095</b>	<0.00020
	8/9/2024	<0.0050	<0.050	<0.0050	<0.0025	<0.060	<b>0.041</b>	<0.0025	<0.00012
<b>**MW-54</b>	8/2/2022	Sheen Observed - Could Not Sample							
	8/10/2023	<b>0.0031</b>	<b>1.7</b>	<0.0020	<0.0060	<b>0.0022</b>	<0.0010	<0.0050	<0.00020
	8/8/2024	Sheen Observed - Could Not Sample							
<b>**MW-55</b>	8/1/2022	FPP - Could Not Sample							
	8/9/2023	FPP - Could Not Sample							
	8/5/2024	FPP - Could Not Sample							



**TABLE 6E**  
**RCRA WELLS ANALYTICAL SUMMARY - TOTAL METALS**  
 Bloomfield Terminal 2024 Annual Report  
 Western Refining Southwest LLC  
 San Juan County, New Mexico

Sample Location	Sample Date	Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Lead (mg/L)	Selenium (mg/L)	Silver (mg/L)	Mercury (mg/L)
Screening Source		Total Metals - NMAC 20.6.2							
Screening Levels		0.01	2.0	0.005	0.05	0.015	0.05	0.05	0.002
MW-56	8/1/2022	FPP - Could Not Sample							
	8/9/2023	FPP - Could Not Sample							
	8/5/2024	FPP - Could Not Sample							
**MW-57	8/1/2022	FPP - Could Not Sample							
	8/9/2023	FPP - Could Not Sample							
	8/8/2024	Sheen Observed - Could Not Sample							
**MW-58	8/1/2022	Sheen Observed - Could Not Sample							
	8/9/2023	FPP - Could Not Sample							
	8/5/2024	FPP - Could Not Sample							
MW-59	8/24/2021	<0.010	0.048		<0.0060	<0.0050	<0.010	<0.0050	<0.00020
	8/3/2022	0.0011	0.048		<0.0060	0.000087 J	0.0026	0.0039 J	<0.00020
	8/22/2023	<0.0050	0.032	<0.0020	<0.0060	<0.010	0.019	0.012	<0.00020
	8/9/2024	0.012	0.170	<0.0025	0.006	<0.012	0.013	<0.0025	<0.00012
**MW-60	8/1/2022	Insufficient Water to Collect Sample							
	8/9/2023	Well Unable to be Located							
	8/5/2024	Well Unable to be Located							
**MW-61	8/24/2021	0.011	0.067		<0.0060	<0.0050	<0.010	<0.0050	<0.00020
	8/1/2022	Well Could Not Be Accessed							
	8/9/2023	Well Abandoned							
	8/4/2024	Well Abandoned							
MW-62	8/23/2021	<0.010	0.010		<0.0060	<0.0050	<0.010	<0.0050	<0.00020
	8/4/2022	<0.0050	0.0097		<0.0060	<0.0025	<0.0050	0.011	<0.00020
	8/24/2023	<0.0010	0.014	<0.0020	<0.0060	<0.0050	<0.0050	0.015	<0.00020
	8/14/2024	<0.0025	0.076	<0.0025	0.0027 J	<0.012	<0.016	<0.0025	<0.00012



**TABLE 6E**  
**RCRA WELLS ANALYTICAL SUMMARY - TOTAL METALS**  
 Bloomfield Terminal 2024 Annual Report  
 Western Refining Southwest LLC  
 San Juan County, New Mexico

Sample Location	Sample Date	Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Lead (mg/L)	Selenium (mg/L)	Silver (mg/L)	Mercury (mg/L)
Screening Source		Total Metals - NMAC 20.6.2							
Screening Levels		0.01	2.0	0.005	0.05	0.015	0.05	0.05	0.002
MW-63	8/24/2021	<0.0050	0.015		<0.0060	<0.0050	0.033	<0.0050	<0.00020
	8/2/2022	---	---		---	---	---	---	0.00010 J
	8/22/2023	0.0014	0.0092	<0.0020	<0.0060	<0.0050	0.026	0.0096	<0.00020
	8/9/2024	0.03	0.87	<0.0050	0.033	<0.060	0.032	<0.0025	0.00063
MW-64	8/24/2021	<0.010	0.014		<0.0060	<0.0050	0.027	<0.0050	<0.00020
	8/2/2022	0.0013 J	0.012		<0.0060	<0.0025	0.027	0.0079	0.000093 J
	8/22/2023	<0.0050	0.097	<0.0020	<0.0060	<0.0050	0.027	0.0098	<0.00020
	8/8/2024	0.0050	0.31	<0.050	0.015	<0.060	<0.080	<0.0025	<0.00012
MW-65	8/16/2021	Well Destroyed							
	8/22/2023	0.015	0.51	<0.0020	<0.0060	0.0063	0.0027	<0.0050	<0.00020
	8/9/2024	0.010	0.49	<0.0025	0.0032 J	0.0034 J	<0.0040	<0.0025	<0.00012
	8/9/2024	0.012	0.47	<0.0025	<0.0025	<0.0030	<0.0040	<0.0025	<0.00012
**MW-66	8/1/2022	FPP - Could Not Sample							
	8/9/2023	FPP - Could Not Sample							
	8/5/2024	FPP - Could Not Sample							
MW-67	8/20/2021	<0.0010	0.019		<0.0060	<0.00050	0.0019	<0.0050	<0.00020
	8/4/2022	<0.0050	0.032		<0.0060	<0.00050	0.0067	0.0040 J	<0.00020
	8/17/2023	0.0012	0.067	<0.0020	<0.0060	<0.0050	0.022	0.0054	<0.00020
	8/9/2024	<0.0025	<0.050	<0.0025	<0.0025	<0.060	0.0093 B	<0.0050	<0.00012
MW-68	8/19/2021	0.011	0.021		<0.0060	<0.00050	0.0025	<0.0050	<0.00020
	8/3/2022	0.00078 J	0.031		<0.0060	<0.00050	<0.0010	<0.0050	<0.00020
	8/17/2023	0.0015	0.10	<0.0020	<0.0060	<0.0050	0.012	0.0084	<0.00020
	8/8/2024	<0.0025	<0.050	<0.0025	<0.0025	<0.060	0.019 B	<0.0025	<0.00012



**TABLE 6E**  
**RCRA WELLS ANALYTICAL SUMMARY - TOTAL METALS**  
 Bloomfield Terminal 2024 Annual Report  
 Western Refining Southwest LLC  
 San Juan County, New Mexico

Sample Location	Sample Date	Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Lead (mg/L)	Selenium (mg/L)	Silver (mg/L)	Mercury (mg/L)
Screening Source		Total Metals - NMAC 20.6.2							
Screening Levels		0.01	2.0	0.005	0.05	0.015	0.05	0.05	0.002
<b>**MW-69</b>	8/1/2022	Well Dry - Could Not Sample							
	8/9/2023	Well Dry - Could Not Sample							
	8/5/2024	Well Dry - Could Not Sample							
<b>MW-70</b>	8/18/2021	0.0046	0.017		<0.0060	<0.00050	<0.0010	<0.0050	<0.00020
	8/2/2022	Insufficient Water to Collect Sample							
	8/9/2023	Insufficient Water to Collect Sample							
	8/9/2024	---	---	---	---	---	---	---	---
<b>MW-71</b>	8/1/2022	FPP - Could Not Sample							
	8/17/2023	0.016	2.6	<0.0020	0.0065	0.029	0.0044	<0.0050	<0.00020
	8/9/2024	Sheen Observed - Could Not Sample							
<b>MW-72</b>	8/1/2022	FPP - Could Not Sample							
	8/9/2023	FPP - Could Not Sample							
	8/5/2024	FPP - Could Not Sample							
<b>MW-73</b>	8/19/2021	<0.0050	4.8		<0.0060	0.0026	<0.0050	<0.0050	<0.00020
	8/1/2022	0.0034	4.8		<0.0060	0.0029	0.00069 J	<0.0050	<0.00020
	8/9/2023	FPP - Could Not Sample							
	8/8/2024	FPP - Could Not Sample							
<b>MW-74</b>	8/19/2021	<0.0050	1.8		<0.0060	0.0065	<0.0050	<0.0050	<0.00020
	8/1/2022	Sheen Observed - Could Not Sample							
	8/9/2023	FPP - Could Not Sample							
	8/5/2024	FPP - Could Not Sample							





**TABLE 6E**  
**RCRA WELLS ANALYTICAL SUMMARY - TOTAL METALS**  
 Bloomfield Terminal 2024 Annual Report  
 Western Refining Southwest LLC  
 San Juan County, New Mexico

Sample Location	Sample Date	Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Lead (mg/L)	Selenium (mg/L)	Silver (mg/L)	Mercury (mg/L)
Screening Source		Total Metals - NMAC 20.6.2							
Screening Levels		0.01	2.0	0.005	0.05	0.015	0.05	0.05	0.002
MW-75	8/18/2021	<0.0050	1.3		<0.0060	<0.0025	<0.0050	<0.0050	<0.00020
	8/18/2021	<0.0050	1.6		<0.0060	<0.0025	<0.0050	<0.0050	<0.00020
	8/1/2022	Sheen Observed - Could Not Sample							
	8/9/2023	FPP - Could Not Sample							
	8/4/2024	FPP - Could Not Sample							
MW-76	8/18/2021	<0.0020	2.9		<0.0060	0.00064	<0.0010	<0.0050	<0.00020
	8/1/2022	0.0027	3.3		<0.0060	0.00047 J	0.00051 J	<0.0050	<0.00020
	8/24/2023	0.0023	3.0	<0.0020	<0.0060	<0.0010	<0.0010	<0.0050	<0.00020
	8/5/2024	FPP - Could Not Sample							
MW-77	8/1/2022	FPP - Could Not Sample							
	8/9/2023	FPP - Could Not Sample							
	8/5/2024	FPP - Could Not Sample							
MW-78	8/3/2022	0.0018	0.081		0.0039 J	0.0031	0.038	0.0023 J	0.000094 J
	8/3/2022	0.0032	0.083		0.0056 J	0.0032	0.035	0.0025 J	0.000097 J
	8/9/2023	Insufficient Water to Collect Sample							
	8/7/2024	---	---	---	---	---	---	---	---

**Notes:**

= Analytical results exceeds the respective screening level

= Field Duplicate sample

**Bold** = Detected at concentration above reporting limit

**Red** = Laboratory method detection limit exceeds screening level

MW = Monitoring Well

< = Result is below laboratory method detection limit

--- = Specific analyte not sampled

J = Result is estimated

mg/L = Milligrams per liter

NMAC = New Mexico Administrative Code

FPP = Free Product Present



**TABLE 6F**  
**RCRA WELLS ANALYTICAL SUMMARY - DISSOLVED METALS**  
 Bloomfield Terminal 2024 Annual Report  
 Western Refining Southwest LLC  
 San Juan County, New Mexico

Sample Location	Sample Date	Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Sodium (mg/L)	Uranium (mg/L)	Zinc (mg/L)
Screening Source		Dissolved Metals - NMAC 20.6.2															
Screening Levels		0.01	2.0	0.005	-	0.05	1.0	1.0	0.015	-	0.2	-	0.05	0.05	-	0.03	10.0
**MW-50	8/11/2023	<0.010	0.27	<0.0020	120	<0.0060	<0.010	0.27	<0.010	23	6.0	2.5	<0.010	<0.0050	46	<0.010	<0.020
	8/8/2024	<0.010	0.30	<0.010	150	<0.010	<0.010	0.043	<0.010	26	4.7	2.6	<0.016	<0.010	53	<0.010	0.036
MW-51	8/16/2021	0.0061	0.076	<0.00050	75	<0.0060	<0.0010	<0.020	<0.00050	15	1.9	1.6	<0.0010	<0.0050	37	---	<0.010
	8/3/2022	0.0073	0.11	<0.0020	82	<0.0060	0.00094 J	0.013 J	<0.00050	16	2.6	1.9	0.0013	0.0021 J	41	0.00066	0.0063 J
	8/11/2023	<0.010	0.22	<0.0020	96	<0.0060	<0.010	0.028	<0.010	21	4.4	2.3	<0.010	<0.0050	47	<0.010	<0.020
	8/11/2023	<0.010	0.23	<0.0020	94	<0.0060	<0.010	0.027	<0.010	20	4.3	2.1	<0.010	<0.0050	49	<0.010	<0.020
MW-52	8/8/2024	<0.010	0.087	<0.010	70	<0.010	<0.010	<0.017	<0.010	13	0.69	1.2	<0.016	<0.010	29	<0.010	0.025
	4/27/2023	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	4/27/2023	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	8/17/2023	<0.010	<0.020	<0.0020	470	<0.0060	<0.010	0.044	<0.010	120	0.49	5.1	0.11	0.014	830	<0.010	0.18
MW-53	8/12/2024	<0.010	0.016 J	<0.010	170	<0.010	<0.010	0.028	<0.010	45	0.12	4.1	0.037	<0.010	410	<0.010	0.013 J
	8/18/2021	<0.0050	0.016	<0.0020	330	<0.0060	<0.0050	<0.20	<0.00050	58	0.085	5.2	0.060	<0.0050	730	---	<0.010
	8/18/2021	<0.0050	0.017	<0.0020	310	<0.0060	<0.0050	<0.020	<0.0025	57	0.066	4.8	0.059	<0.0050	740	---	<0.010
	8/2/2022	0.0013 J	0.016	<0.0020	330	<0.0060	<0.0050	0.010 J	<0.0025	56	0.032	4.3	0.046	0.0062	810	0.011	0.0084 J
	8/17/2023	<0.010	<0.020	<0.0020	360	<0.0060	<0.010	<0.020	<0.010	52	0.34	4.5	0.039	0.011	780	<0.010	0.048
	8/17/2023	<0.010	<0.020	<0.0020	350	<0.0060	<0.010	<0.020	<0.010	51	0.33	4.6	0.031	0.011	790	0.011	0.022
**MW-54	8/9/2024	<0.010	0.016 J	<0.010	330	<0.010	<0.010	<0.17	<0.010	55	0.43	6.4	0.033	<0.010	720	0.011 J	0.15 J
	8/2/2022	Sheen Observed - Could Not Sample															
**MW-55	8/10/2023	<0.010	1.7	<0.0020	130	<0.010	<0.010	2.8	<0.010	38	2.4	5.8	<0.010	<0.0050	870	<0.010	<0.020
	8/8/2024	Sheen Observed - Could Not Sample															
	8/1/2022	FPP - Could Not Sample															
MW-56	8/9/2023	FPP - Could Not Sample															
	8/5/2024	FPP - Could Not Sample															
	8/1/2022	FPP - Could Not Sample															
**MW-57	8/9/2023	FPP - Could Not Sample															
	8/5/2024	FPP - Could Not Sample															
	8/1/2022	FPP - Could Not Sample															
**MW-58	8/9/2023	FPP - Could Not Sample															
	8/8/2024	FPP - Could Not Sample															
	8/1/2022	FPP - Could Not Sample															
MW-59	8/24/2021	<0.020	0.045	<0.0020	210	<0.0060	<0.020	0.15	<0.010	71	0.72	4.1	<0.020	<0.0050	480	0.019	<0.010
	8/3/2022	0.00064 J	0.045	<0.0020	300	<0.0060	0.0011	0.019 J	<0.00050	110	0.77	4.5	0.0033 J	0.0062	630	0.030	0.0057 J
	8/22/2023	<0.010	0.030	<0.0020	420	<0.0060	<0.010	<0.020	<0.010	150	1.1	5.2	0.015	0.014	670	0.026	<0.020
	8/9/2024	<0.010	0.024	<0.010	270	<0.010	<0.010	<0.17	<0.010	99	0.87	6.3	<0.016	<0.010	540	0.026	0.20
**MW-60	8/1/2022	Insufficient Water to Collect Sample															
	8/9/2023	Well Unable to be Located															
	8/5/2024	Well Unable to be Located															
**MW-61	8/24/2021	<0.020	0.057	<0.0020	210	<0.0060	<0.020	7.4	<0.010	72	1.9	2.8	<0.020	<0.0050	570	<0.010	<0.010
	8/1/2022	Well Could Not Be Accessed															
	8/9/2023	Well Abandoned															
MW-62	8/4/2024	Well Abandoned															
	8/23/2021	<0.010	0.011	<0.0020	420	<0.0060	<0.010	<0.020	<0.00050	38	1.1	10	<0.010	<0.0050	1,400	---	<0.010
	8/4/2022	<0.0050	0.0093	<0.0020	440	<0.0060	<0.0050	0.021	<0.0025	39	1.0	8.8	<0.0050	0.0087	1,500	0.0042	0.0056 J
	8/24/2023	<0.010	<0.020	<0.0020	470	<0.0060	<0.010	0.028	<0.010	42	1.5	9.7	<0.010	0.015	1,400	<0.010	<0.020
	8/14/2024	<0.010	0.011 J	<0.010	430	<0.010	<0.010	0.023	<0.010	39	0.89	12	<0.016	<0.010	1,600	<0.010	0.25
MW-63	8/24/2021	<0.020	0.015	<0.0020	480	<0.0060	<0.020	<0.020	<0.010	180	0.42	5.4	0.030	<0.0050	570	0.049	<0.010
	8/2/2022	0.0014 J	0.015	<0.0020	530	<0.0060	0.0023 J	0.027	<0.0025	170	0.017	5.2	0.024	0.010	690	0.033	0.012
	8/22/2023	<0.010	<0.020	<0.0020	300	<0.0060	<0.010	<0.020	<0.010	80	0.0067	3.8	0.04	0.0092	540	0.025	<0.020
	8/9/2024	0.024	<0.010	<0.010	270	<0.010	<0.010	<0.017	<0.010	76	0.0450	5.3	0.022	<0.010	480	0.023	0.060



**TABLE 6F**  
**RCRA WELLS ANALYTICAL SUMMARY - DISSOLVED METALS**  
 Bloomfield Terminal 2024 Annual Report  
 Western Refining Southwest LLC  
 San Juan County, New Mexico

Sample Location	Sample Date	Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Sodium (mg/L)	Uranium (mg/L)	Zinc (mg/L)
Screening Source		Dissolved Metals - NMAC 20.6.2															
Screening Levels		0.01	2.0	0.005	-	0.05	1.0	1.0	0.015	-	0.2	-	0.05	0.05	-	0.03	10.0
MW-64	8/24/2021	<0.020	0.015	<0.0020	370	<0.0060	<0.020	<0.0060	<0.010	63	<0.0020	4.3	<0.020	0.0055	630	0.013	<0.010
	8/2/2022	0.0019 J	<0.020	0.012 J	140	<0.0060	<0.0050	0.15 J	<0.0025	45	12	2.4 J	0.025	<0.050	30	0.010	2.4
	8/22/2023	<0.010	<0.020	<0.0020	380	<0.0060	<0.010	0.033	<0.010	57	<0.0020	4.3	0.026	0.012	800	<0.010	0.20
	8/8/2024	<0.010	0.024	<0.010	290	<0.010	<0.010	2.5	<0.010	43	0.090	4.9	0.022	<0.010	560	0.011 J	0.016 J
MW-65	8/16/2021	Well Destroyed															
	8/22/2023	<0.010	0.16	<0.0020	160	<0.0060	<0.010	8.9	<0.010	76	1.9	3.2	<0.010	<0.0050	560	<0.010	0.027
	8/9/2024	<0.010	0.30	<0.010	170	<0.010	<0.010	7.0	<0.010	80	1.6	4.9	<0.016	<0.010	530	<0.010	<0.049
**MW-66	8/1/2022	FPP - Could Not Sample															
	8/9/2023	FPP - Could Not Sample															
	8/5/2024	FPP - Could Not Sample															
MW-67	8/20/2021	<0.0010	0.017	<0.0020	410	<0.0060	<0.0010	<0.020	<0.00050	99	0.97	4.6	0.0014	<0.0050	470	---	<0.010
	8/4/2022	0.00039 J	0.031	<0.0020	200	<0.0060	0.0010	<0.020	<0.00050	50	0.13	3.2	0.0077	0.0037 J	220	0.0088	0.0036 J
	8/17/2023	<0.010	0.028	<0.0020	280	<0.0060	<0.010	0.58	<0.010	69	0.26	3.9	0.012	0.0082	260	<0.010	0.10
	8/9/2024	<0.010	0.027	<0.010	110	<0.010	<0.010	<0.17	<0.010	26	0.08	3.6	<0.016	<0.010	85	<0.010	<0.049
MW-68	8/19/2021	<0.0010	0.021	<0.0020	66	<0.0060	0.0011	<0.020	<0.00050	15	0.010	2.3	0.0019	<0.0050	100	---	<0.010
	8/3/2022	0.00087 J	0.030	<0.0020	110	<0.0060	0.0015	<0.020	<0.00050	25	0.0088	2.3	0.0020	0.0015 J	96	0.0055	0.0056
	8/17/2023	<0.010	0.075	<0.0020	330	<0.0060	<0.010	<0.020	<0.010	71	<0.0020	4.2	0.024	0.010	170	<0.010	0.083
	8/8/2024	<0.010	0.040	<0.010	120	<0.010	<0.010	<0.17	<0.010	35	0.0034 J	7.8 J	<0.016	<0.010	150	<0.010	<0.049
**MW-69	8/1/2022	Well Dry - Could Not Sample															
	8/9/2023	Well Dry - Could Not Sample															
	8/5/2024	Well Dry - Could Not Sample															
MW-70	8/18/2021	<0.0050	0.016	<0.0020	550	<0.0060	<0.0010	6.2	<0.0025	150	1.6	3.7	<0.0050	<0.0050	570	---	<0.010
	8/2/2022	Insufficient Water to Collect Sample															
	8/9/2023	Insufficient Water to Collect Sample															
MW-71	8/9/2024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	8/1/2022	FPP - Could Not Sample															
	8/17/2023	<0.010	2.5	<0.0020	91	<0.0060	<0.010	10	0.010	65	3.0	3.4	<0.010	<0.0050	380	<0.010	0.036
MW-72	8/9/2024	Sheen Observed - Could Not Sample															
	8/1/2022	FPP - Could Not Sample															
	8/9/2023	FPP - Could Not Sample															
MW-73	8/19/2021	0.0023	5.5	<0.0020	92	<0.0060	<0.0010	11	0.0014	45	0.59	5.2	<0.0010	<0.0050	400	---	<0.010
	8/1/2022	0.0021	4.7	<0.0020	93	<0.0060	<0.0010	7	0.00076	45	0.48	4.9	0.00072 J	<0.0050	390	<0.00050	0.0061 J
	8/9/2023	FPP - Could Not Sample															
	8/8/2024	FPP - Could Not Sample															
MW-74	8/19/2021	0.0018	2.0	<0.0020	180	<0.0060	<0.0010	7.6	0.0046	56	4.6	5.6	<0.0010	<0.0050	450	---	<0.010
	8/1/2022	Sheen Observed - Could Not Sample															
	8/9/2023	FPP - Could Not Sample															
MW-75	8/9/2024	FPP - Could Not Sample															
	8/18/2021	0.0029	1.7	<0.0020	120	<0.0060	<0.0010	6.4	<0.00050	41	2.2	<5.0	<0.0010	<0.0050	530	---	<0.010
	8/1/2022	0.0030	1.7	<0.0020	95	<0.0060	<0.0010	6.2	<0.00050	33	2.3	2.7	<0.0010	<0.0050	530	---	<0.010
	8/9/2023	Sheen Observed - Could Not Sample															
MW-76	8/4/2024	FPP - Could Not Sample															
	8/18/2021	0.0017	2.8	<0.0020	69	<0.0060	<0.0010	7.4	<0.00050	50	1.8	3.0	<0.0010	<0.0050	300	---	<0.010
	8/1/2022	0.0022	3.0	<0.0020	65	<0.0060	0.00096 J	8.0	0.00027 J	49	1.5	2.7	0.00041 J	<0.0050	260	0.00011 J	0.0065 J
	8/24/2023	<0.010	3.3	<0.0020	96	<0.0060	<0.010	9.9	<0.010	81	2.1	2.6	<0.010	<0.0050	140	<0.010	<0.020
	8/5/2024	FPP - Could Not Sample															
MW-77	8/1/2022	FPP - Could Not Sample															
	8/9/2023	FPP - Could Not Sample															
	8/5/2024	FPP - Could Not Sample															



<b>TABLE 6F</b> <b>RCRA WELLS ANALYTICAL SUMMARY - DISSOLVED METALS</b> Bloomfield Terminal 2024 Annual Report Western Refining Southwest LLC San Juan County, New Mexico																	
Sample Location	Sample Date	Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Sodium (mg/L)	Uranium (mg/L)	Zinc (mg/L)
Screening Source		Dissolved Metals - NMAC 20.6.2															
Screening Levels		0.01	2.0	0.005	-	0.05	1.0	1.0	0.015	-	0.2	-	0.05	0.05	-	0.03	10.0
MW-78	8/3/2022	0.00092 J	0.021	<0.0020	240	<0.0060	0.0015	<0.020	<0.00050	50	0.053	4.1	0.047	0.0052	350	0.010	0.0040 J
	8/3/2022	0.00081 J	0.021	<0.0020	240	<0.0060	0.0017	<0.020	<0.00050	51	0.055	4.2	0.040	0.0048	360	0.010	0.0051 J
	8/9/2023																
	8/7/2024																

Notes:

- = Analytical results exceeds the respective screening level
- = Field Duplicate sample
- Bold** = Detected at concentration above reporting limit
- Red** = Laboratory method detection limit exceeds screening level
- MW = Monitoring Well
- < = Result is below laboratory method detection limit
- = Specific analyte not sampled
- J = Result is estimated

mg/L = Milligrams per liter  
 NMAC = New Mexico Administrative Code  
 - = Not applicable/No screening level for specific analyte  
 FPP = Free Product Present



**TABLE 7A**  
**COLLECTION AND OBSERVATION WELLS ANALYTICAL SUMMARY - VOLATILE ORGANIC COMPOUNDS**  
 Bloomfield Terminal 2024 Annual Report  
 Western Refining Southwest LLC  
 San Juan County, New Mexico

Sample Location	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes, Total (µg/L)	Methyl tert-butyl ether (MTBE) (µg/L)	1-Methyl-naphthalene (µg/L)	2-Methyl-naphthalene (µg/L)	Naphthalene (µg/L)	Isopropyl-benzene (µg/L)	n-Propyl-benzene (µg/L)	sec-Butyl-benzene (µg/L)	tert-Butyl-benzene (µg/L)
Screening Source		NMAC 20.6.2					NMED Soil Screening Guidance Table A-1 (Tap Water)				EPA RSL Tap Water THQ = 0.1		
Screening Levels		5	1,000	700	620	100	11.4	35.1	1.17	447	66	200	69
CW 0+60	4/27/2021	<1.0	<1.0	2.3	<1.5	1.8	---	---	---	---	---	---	---
	8/19/2021	<2.0	<2.0	<2.0	<1.5	<2.0	21	37	110	110	110	17	3.2
	4/13/2022	0.72 J	<1.0	2.7	0.60 J	1.6	23	46	130	130	110	18	4.0
	8/4/2022	0.74 J	<1.0	0.99 J	0.94 J	0.91 J	30	51	160	130	120	20	4.1
	5/10/2023	0.50 J	<2.0	1.5 J	<3.0	1.0 J	---	---	---	---	---	---	---
	8/9/2023	Not Sampled											
	4/22/2024	3.0	<2.0	<2.0	<3.0	5.2	---	---	---	---	---	---	---
	8/27/2024	1.7 J	<1.3	1.2 J	<1.9	3.0 J	29	49	180	140	100	17	3.8
CW 25+95	4/27/2021	<1.0	<1.0	<1.0	<1.5	<1.0	---	---	---	---	---	---	---
	8/19/2021	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<4.0	<2.0	<1.0	<1.0	<1.0	<1.0
	4/13/2022	<1.0	<1.0	<1.0	<1.5	0.41 J	<4.0	<4.0	<2.0	<1.0	<1.0	<1.0	<1.0
	8/3/2022	<1.0	<1.0	<1.0	<1.5	1.2	<4.0	<4.0	<2.0	<1.0	<1.0	<1.0	<1.0
	4/27/2023	<1.0	<1.0	<1.0	<1.0	1.1	---	---	---	---	---	---	---
	8/10/2023	<1.0	<1.0	<1.0	<1.0	2.3	---	---	---	---	---	---	---
	4/18/2024	<1.0	<1.0	<1.0	<1.0	4.3	---	---	---	---	---	---	---
	8/13/2024	<0.23	<0.25	<0.21	0.37 J	<0.39	---	---	---	---	---	---	---
OW 0+60	4/11/2022	Insufficient Water to Collect Sample											
	8/4/2022	<1.0	<1.0	<1.0	<1.5	0.50 J	<4.0	<4.0	0.88 J	<1.0	<1.0	<1.0	0.26 J
	4/24/2023	Insufficient Water to Collect Sample											
	8/9/2023	Insufficient Water to Collect Sample											
	4/16/2024	Insufficient Water to Collect Sample											
	8/8/2024	Insufficient Water to Collect Sample											
OW 1+50	4/11/2022	Insufficient Water to Collect Sample											
	8/4/2022	Insufficient Water to Collect Sample											
	4/24/2023	Insufficient Water to Collect Sample											
	8/9/2023	Insufficient Water to Collect Sample											
	4/16/2024	Insufficient Water to Collect Sample											
	8/13/2024	Insufficient Water to Collect Sample											



**TABLE 7A**  
**COLLECTION AND OBSERVATION WELLS ANALYTICAL SUMMARY - VOLATILE ORGANIC COMPOUNDS**  
 Bloomfield Terminal 2024 Annual Report  
 Western Refining Southwest LLC  
 San Juan County, New Mexico

Sample Location	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes, Total (µg/L)	Methyl tert-butyl ether (MTBE) (µg/L)	1-Methyl-naphthalene (µg/L)	2-Methyl-naphthalene (µg/L)	Naphthalene (µg/L)	Isopropyl-benzene (µg/L)	n-Propyl-benzene (µg/L)	sec-Butyl-benzene (µg/L)	tert-Butyl-benzene (µg/L)
Screening Source		NMAC 20.6.2					NMED Soil Screening Guidance Table A-1 (Tap Water)				EPA RSL Tap Water THQ = 0.1		
Screening Levels		5	1,000	700	620	100	11.4	35.1	1.17	447	66	200	69
OW 3+85	4/13/2022	Sheen Observed - Could Not Sample											
	8/4/2022	Sheen Observed - Could Not Sample											
	4/26/2023	<5.0	<5.0	<5.0	<10	7.9	---	---	---	---	---	---	---
	8/10/2023	<20	<20	<20	<30	<20	---	---	---	---	---	---	---
	4/17/2024	<1.0	<1.0	<1.0	<1.5	<1.0	---	---	---	---	---	---	---
	8/12/2024	<1.1	<1.3	<1.1	<1.9	<2.0	---	---	---	---	---	---	---
OW 5+50	4/11/2022	Well Dry - Could Not Sample											
	8/4/2022	Well Dry - Could Not Sample											
	4/24/2023	Insufficient Water to Collect Sample											
	8/9/2023	Insufficient Water to Collect Sample											
	4/16/2024	Insufficient Water to Collect Sample											
	8/7/2024	Insufficient Water to Collect Sample											
OW 6+70	4/11/2022	Insufficient Water to Collect Sample											
	8/4/2022	Well Dry - Could Not Sample											
OW 6+70	4/24/2023	Well Dry - Could Not Sample											
	8/9/2023	Well Dry - Could Not Sample											
	4/16/2024	Well Dry - Could Not Sample											
	8/7/2024	Well Dry - Could Not Sample											
OW 8+10	4/11/2022	Well Dry - Could Not Sample											
	8/4/2022	Well Dry - Could Not Sample											
	4/26/2023	< 1.0	< 1.0	< 1.0	< 1.5	<1.0	---	---	---	---	---	---	---
	8/9/2023	Well Inaccessible											
	4/16/2024	Well Dry - Could Not Sample											
	8/7/2024	<0.23	<0.25	<0.21	<0.37	<0.39	---	---	---	---	---	---	---
OW 11+15	4/11/2022	Sheen Observed - Could Not Sample											
	8/4/2022	Sheen Observed - Could Not Sample											
	4/26/2023	1,400	<5.0	7.0	<7.5	85	---	---	---	---	---	---	---
	8/24/2023	1,600	<5.0	5.9	<7.5	85	---	---	---	---	---	---	---



**TABLE 7A**  
**COLLECTION AND OBSERVATION WELLS ANALYTICAL SUMMARY - VOLATILE ORGANIC COMPOUNDS**  
 Bloomfield Terminal 2024 Annual Report  
 Western Refining Southwest LLC  
 San Juan County, New Mexico

Sample Location	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes, Total (µg/L)	Methyl tert-butyl ether (MTBE) (µg/L)	1-Methyl-naphthalene (µg/L)	2-Methyl-naphthalene (µg/L)	Naphthalene (µg/L)	Isopropyl-benzene (µg/L)	n-Propyl-benzene (µg/L)	sec-Butyl-benzene (µg/L)	tert-Butyl-benzene (µg/L)
Screening Source		NMAC 20.6.2					NMED Soil Screening Guidance Table A-1 (Tap Water)				EPA RSL Tap Water THQ = 0.1		
Screening Levels		5	1,000	700	620	100	11.4	35.1	1.17	447	66	200	69
OW 11+15	4/18/2024	350	<5.0	<5.0	<7.5	60	---	---	---	---	---	---	---
	4/18/2024	370	<5.0	<5.0	<7.5	55	---	---	---	---	---	---	---
	8/12/2024	340	1.5 J	2.9 J	<1.9	57	---	---	---	---	---	---	---
	8/12/2024	280	1.3 J	2.6 J	<1.9	53	---	---	---	---	---	---	---
OW 14+10	4/11/2022	Well Dry - Could Not Sample											
	8/4/2022	Well Dry - Could Not Sample											
	4/24/2023	Well Dry - Could Not Sample											
	8/9/2023	Well Dry - Could Not Sample											
	4/16/2024	Well Dry - Could Not Sample											
8/7/2024	Well Dry - Could Not Sample												
OW 16+60	4/27/2021	<5.0	<5.0	<5.0	<7.5	240	---	---	---	---	---	---	---
	8/19/2021	---	---	---	---	---	---	---	---	---	---	---	---
	4/13/2022	Insufficient Water to Collect Sample											
	8/4/2022	<1.0	<1.0	<1.0	0.85 J	370	<4.0	<4.0	1.4 J	4.7	0.62 J	5.9	2.3
	4/26/2023	<1.0	<1.0	<1.0	<1.5	340	---	---	---	---	---	---	---
	8/10/2023	<1.0	<1.0	<1.0	<1.5	310	---	---	---	---	---	---	---
	4/18/2024	<2.0	<2.0	<2.0	<3.0	210	---	---	---	---	---	---	---
8/13/2024	<1.1	<1.3	<1.1	2.1 J	270	---	---	---	---	---	---	---	
OW 19+50	4/24/2023	Insufficient Water to Collect Sample											
	8/9/2023	Insufficient Water to Collect Sample											
	4/16/2024	Insufficient Water to Collect Sample											
	8/7/2024	Insufficient Water to Collect Sample											
OW 22+00	4/27/2021	<1.0	<1.0	<1.0	<1.5	<1.0	---	---	---	---	---	---	---
	8/19/2021	---	---	---	---	---	---	---	---	---	---	---	---
	4/13/2022	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<4.0	<2.0	<1.0	<1.0	<1.0	<1.0
	8/3/2022	<1.0	<1.0	<1.0	<1.5	1.0	<4.0	<4.0	<2.0	<1.0	<1.0	<1.0	<1.0
	8/3/2022	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<4.0	<2.0	<1.0	<1.0	<1.0	<1.0
	4/26/2023	<1.0	<1.0	<1.0	<1.5	<1.0	---	---	---	---	---	---	---
	8/9/2023	Insufficient Water to Collect Sample											
	4/17/2024	<1.0	<1.0	<1.0	<1.5	<1.0	---	---	---	---	---	---	---
8/7/2024	<0.23	<0.25	<0.21	<0.37	<0.39	---	---	---	---	---	---	---	



**TABLE 7A**  
**COLLECTION AND OBSERVATION WELLS ANALYTICAL SUMMARY - VOLATILE ORGANIC COMPOUNDS**  
 Bloomfield Terminal 2024 Annual Report  
 Western Refining Southwest LLC  
 San Juan County, New Mexico

Sample Location	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes, Total (µg/L)	Methyl tert-butyl ether (MTBE) (µg/L)	1-Methyl-naphthalene (µg/L)	2-Methyl-naphthalene (µg/L)	Naphthalene (µg/L)	Isopropyl-benzene (µg/L)	n-Propyl-benzene (µg/L)	sec-Butyl-benzene (µg/L)	tert-Butyl-benzene (µg/L)
Screening Source		NMAC 20.6.2					NMED Soil Screening Guidance Table A-1 (Tap Water)				EPA RSL Tap Water THQ = 0.1		
Screening Levels		5	1,000	700	620	100	11.4	35.1	1.17	447	66	200	69
OW 23+10	4/13/2022	Insufficient Water to Collect Sample											
	8/3/2022	<1.0	<1.0	<1.0	<b>0.63 J</b>	<b>0.62 J</b>	<4.0	<4.0	<2.0	<1.0	<1.0	<1.0	<1.0
	4/26/2023	<1.0	<1.0	<1.0	<1.0	<1.5	---	---	---	---	---	---	---
	8/10/2023	<1.0	<1.0	<1.0	<1.0	<1.5	---	---	---	---	---	---	---
	4/17/2024	<1.0	<1.0	<1.0	<1.0	<1.5	<1.0	---	---	---	---	---	---
	8/7/2024	<0.23	<0.25	<0.21	<0.37	<0.39	<0.39	---	---	---	---	---	---
OW 23+90	4/11/2022	Well Dry - Could Not Sample											
	8/4/2022	Well Dry - Could Not Sample											
	4/24/2023	Insufficient Water to Collect Sample											
	8/9/2023	Insufficient Water to Collect Sample											
	4/16/2024	Insufficient Water to Collect Sample											
	8/7/2024	<0.23	<0.25	<0.21	<0.37	<0.39	<0.39	---	---	---	---	---	---
OW 25+70	4/27/2021	<1.0	<1.0	<1.0	<1.5	<1.0	---	---	---	---	---	---	---
	8/19/2021	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<4.0	<2.0	<1.0	<1.0	<1.0	<1.0
	4/13/2022	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<4.0	<2.0	<1.0	<1.0	<1.0	<1.0
	8/3/2022	<1.0	<1.0	<1.0	<1.5	<1.0	<4.0	<4.0	<2.0	<1.0	<1.0	<1.0	<1.0
	4/26/2023	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	---	---	---	---	---	---
	8/9/2023	Well Dry - Could Not Sample											
	4/18/2024	<1.0	<1.0	<1.0	<1.5	<b>1.2</b>	<1.0	---	---	---	---	---	---
	8/7/2024	<0.23	<0.25	<0.21	<0.37	<0.39	<0.39	---	---	---	---	---	---

**Notes:**

= Analytical results exceeds the respective screening level

= Field Duplicate sample

**Bold** = Detected at concentration above reporting limit

**Red** = Laboratory method detection limit exceeds screening level

MW = Monitoring Well

< = Result is below laboratory method detection limit

--- = Specific analyte not sampled

µg/L = micrograms per liter

J = Result is estimated

NMED = New Mexico Environment Department

NMAC = New Mexico Administrative Code

- = Not applicable/No screening level for specific analyte

EPA = Environmental Protection Agency

RSL = Regional Screening Level





<b>TABLE 7B</b> <b>COLLECTION AND OBSERVATION WELLS ANALYTICAL SUMMARY -</b> <b>TOTAL PETROLEUM HYDROCARBONS</b> Bloomfield Terminal 2024 Annual Report Western Refining Southwest LLC San Juan County, New Mexico				
Sample Location	Sample Date	Diesel Range Organics (mg/L)	Gasoline Range Organics (mg/L)	Motor Oil Range Organics (mg/L)
Screening Source		NMED Soil Screening Guidance Table 6-4		
Screening Levels		0.0167	0.0101	0.0858
CW 0+60	4/27/2021	1.7	3.4	<0.61
	8/19/2021	1.4	---	---
	4/13/2022	2.5	---	<0.080
	8/4/2022	2.6	1.9	<0.080
	5/10/2023	1.1	2.6	<5.0
	8/9/2023	Not Sampled		
	4/22/2024	3.2	---	<0.23
	4/22/2024	2.8	---	<0.23
	8/27/2024	3.5 *1	---	<0.070
CW 25+95	4/27/2021	<0.085	0.34	<0.60
	8/19/2021	<1.0	---	---
	4/13/2022	0.071	---	<0.080
	8/3/2022	1.1	0.096	0.73
	4/27/2023	<1.0	<0.050	<5.0
	8/10/2023	<1.0	0.13	<5.0
	4/18/2024	<0.43	---	<0.23
	8/13/2024	0.073 J *1	---	<0.070
OW 0+60	4/11/2022	Insufficient Water to Collect Sample		
	8/4/2022	1.1	0.082	0.095
	4/24/2023	Insufficient Water to Collect Sample		
	8/9/2023	Insufficient Water to Collect Sample		
	4/16/2024	Insufficient Water to Collect Sample		
	8/8/2024	Insufficient Water to Collect Sample		
OW 1+50	4/11/2022	Insufficient Water to Collect Sample		
	8/4/2022	Insufficient Water to Collect Sample		
	4/24/2023	Insufficient Water to Collect Sample		
	8/9/2023	Insufficient Water to Collect Sample		
	4/16/2024	Insufficient Water to Collect Sample		
	8/13/2024	Insufficient Water to Collect Sample		
OW 3+85	4/13/2022	Sheen Observed - Could Not Sample		
	8/4/2022	Sheen Observed - Could Not Sample		
	4/26/2023	43	4.7	<5.0
	8/10/2023	140	17	<15
	4/17/2024	33	5.1	4.5
	8/12/2024	11 J	2.0	<7.0



**TABLE 7B**  
**COLLECTION AND OBSERVATION WELLS ANALYTICAL SUMMARY -**  
**TOTAL PETROLEUM HYDROCARBONS**  
 Bloomfield Terminal 2024 Annual Report  
 Western Refining Southwest LLC  
 San Juan County, New Mexico

Sample Location	Sample Date	Diesel Range Organics (mg/L)	Gasoline Range Organics (mg/L)	Motor Oil Range Organics (mg/L)
Screening Source		NMED Soil Screening Guidance Table 6-4		
Screening Levels		0.0167	0.0101	0.0858
OW 5+50	4/11/2022	Well Dry - Could Not Sample		
	8/4/2022	Well Dry - Could Not Sample		
	4/24/2023	Insufficient Water to Collect Sample		
	8/9/2023	Insufficient Water to Collect Sample		
	4/16/2024	Insufficient Water to Collect Sample		
	8/7/2024	Insufficient Water to Collect Sample		
OW 6+70	4/11/2022	Insufficient Water to Collect Sample		
	8/4/2022	Well Dry - Could Not Sample		
	4/24/2023	Well Dry - Could Not Sample		
	8/9/2023	Well Dry - Could Not Sample		
	4/16/2024	Well Dry - Could Not Sample		
	8/7/2024	Well Dry - Could Not Sample		
OW 8+10	4/11/2022	Well Dry - Could Not Sample		
	8/4/2022	Well Dry - Could Not Sample		
	4/26/2023	<1.0	<0.050	<5.0
	8/9/2023	Well Inaccessible		
	4/16/2024	Well Dry - Could Not Sample		
	8/7/2024	0.35	<0.013	<0.070
OW 11+15	4/11/2022	Sheen Observed - Could Not Sample		
	8/4/2022	Sheen Observed - Could Not Sample		
	4/26/2023	68	5.1	<5.0
	8/24/2023	14	5.3	<5.0
	4/16/2024	10	2.6	0.41
	4/16/2024	19	2.0	<2.3
	8/12/2024	20	2.2	<7.0
	8/12/2024	35	2.0	<7.0
OW 14+10	4/11/2022	Well Dry - Could Not Sample		
	8/4/2022	Well Dry - Could Not Sample		
	4/24/2023	Well Dry - Could Not Sample		
	8/9/2023	Well Dry - Could Not Sample		
	4/16/2024	Well Dry - Could Not Sample		
	8/7/2024	Well Dry - Could Not Sample		
OW 16+60	4/27/2021	3.3	0.96	<0.60
	8/19/2021	---	---	---
	4/13/2022	Insufficient Water to Collect Sample		
	8/4/2022	3.7	0.81	0.16
	4/26/2023	10	0.75	<5.0



**TABLE 7B**  
**COLLECTION AND OBSERVATION WELLS ANALYTICAL SUMMARY -**  
**TOTAL PETROLEUM HYDROCARBONS**  
 Bloomfield Terminal 2024 Annual Report  
 Western Refining Southwest LLC  
 San Juan County, New Mexico

Sample Location	Sample Date	Diesel Range Organics (mg/L)	Gasoline Range Organics (mg/L)	Motor Oil Range Organics (mg/L)
Screening Source		NMED Soil Screening Guidance Table 6-4		
Screening Levels		0.0167	0.0101	0.0858
OW 16+60	8/10/2023	7.4	0.79	<5.0
	4/18/2024	2.8	0.66	<0.23
	8/13/2024	3.1 *1	0.75	0.13
OW 19+50	4/24/2023	Insufficient Water to Collect Sample		
	8/9/2023	Insufficient Water to Collect Sample		
	4/16/2024	Insufficient Water to Collect Sample		
	8/7/2024	Insufficient Water to Collect Sample		
OW 22+00	4/27/2021	<0.050	0.14	<0.68
	8/19/2021	---	---	---
	4/13/2022	0.1	<0.050	<0.080
	8/3/2022	0.14	<0.050	<0.080
	4/26/2023	<1.0	<0.050	<5.0
	8/9/2023	Insufficient Water to Collect Sample		
	4/17/2024	<0.43	<0.050	<0.23
	8/7/2024	0.12 J	<0.013	<0.070
OW 23+10	4/13/2022	Insufficient Water to Collect Sample		
	8/3/2022	1.4	0.11	0.16
	4/26/2023	2.5	<0.050	<5.0
	8/10/2023	<1.0	<0.050	<5.0
	4/17/2024	<0.43	<0.050	<0.23
	8/7/2024	0.39	<0.013	0.10
OW 23+90	4/11/2022	Well Dry - Could Not Sample		
	8/1/2022	Well Dry - Could Not Sample		
	4/24/2023	Insufficient Water to Collect Sample		
	8/9/2023	Insufficient Water to Collect Sample		
	4/16/2024	Insufficient Water to Collect Sample		
	8/7/2024	0.20	<0.013	<0.070
OW 25+70	4/27/2021	<0.091	0.22	<0.64
	8/19/2021	<1.0	0.099	---
	4/13/2022	0.072	0.073	<0.080
	8/3/2022	0.064 J	0.030	<0.080
	4/26/2023	<1.0	<0.050	<5.0
	8/9/2023	Well Dry - Could Not Sample		
	4/18/2024	<0.43	<0.050	<0.23
	8/7/2024	0.075 J	<0.013	<0.070



**TABLE 7B**  
**COLLECTION AND OBSERVATION WELLS ANALYTICAL SUMMARY -**  
**TOTAL PETROLEUM HYDROCARBONS**  
 Bloomfield Terminal 2024 Annual Report  
 Western Refining Southwest LLC  
 San Juan County, New Mexico

Sample Location	Sample Date	Diesel Range Organics (mg/L)	Gasoline Range Organics (mg/L)	Motor Oil Range Organics (mg/L)
Screening Source		NMED Soil Screening Guidance Table 6-4		
Screening Levels		0.0167	0.0101	0.0858

**Notes:**

= Analytical results exceeds the respective screening level

= Field Duplicate sample

**Bold** = Detected at concentration above reporting limit

**Red** = Laboratory method detection limit exceeds screening level

MW = Monitoring Well

< = Result is below laboratory method detection limit

--- = Specific analyte not sampled

mg/L = Milligrams per liter

J = Result is estimated

\*1 = Lab control sample/lab control duplicate sample relative percent difference exceeds control limits

NMED = New Mexico Environment Department



**TABLE 8A**  
**OUTFALLS ANALYTICAL SUMMARY - VOLATILE ORGANIC COMPOUNDS**  
 Bloomfield Terminal 2024 Annual Report  
 Western Refining Southwest LLC  
 San Juan County, New Mexico

Sample Location	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes, Total (µg/L)	Methyl tert-butyl ether (MTBE) (µg/L)
Screening Source		NMAC 20.6.2				
Screening Levels		5	1,000	700	620	100
East Outfall #2	4/27/2021	<1.0	<1.0	<1.0	<1.5	<1.0
	4/26/2023			Dry		
	8/9/2023			Dry		
	4/16/2024			Dry		
	8/8/2024			Dry		
East Outfall #3	4/26/2023			Dry		
	8/9/2023			Dry		
	4/16/2024			Dry		
	8/8/2024			Dry		

**Notes:**

= Analytical results exceeds the respective screening level

= Field Duplicate sample

< = Result is below laboratory method detection limit

µg/L = micrograms per liter

NMAC = New Mexico Administrative Code



<b>TABLE 8B</b> <b>OUTFALLS ANALYTICAL SUMMARY - ANIONS</b> Bloomfield Terminal 2024 Annual Report Western Refining Southwest LLC San Juan County, New Mexico											
Sample Location	Sample Date	Fluoride (mg/L)	Chloride (mg/L)	Nitrite (mg/L)	Bromide (mg/L)	Nitrate (mg/L)	Phosphorus (mg/L)	Sulfate (mg/L)	Carbon Dioxide (CO <sub>2</sub> ) (mg/L)	Alkalinity (CaCO <sub>3</sub> ) (mg/L)	Bicarbonate (CaCO <sub>3</sub> ) (mg/L)
Screening Source		Anions - NMAC 20.6.2									
Screening Levels		1.6	250	1	-	10	-	600	-	-	-
East Outfall #2	4/27/2021	<b>0.48</b>	<b>17</b>	<0.10	<0.10	<b>1.3</b>	<0.50	<b>170</b>	---	<b>298.4</b>	<b>298.4</b>
	4/26/2023						Dry				
	8/9/2023						Dry				
	4/16/2024						Dry				
	8/8/2024						Dry				
East Outfall #3	4/26/2023						Dry				
	8/9/2023						Dry				
	4/16/2024						Dry				
	8/8/2024						Dry				

**Notes:**

= Analytical results exceeds the respective screening level

= Field Duplicate sample

**Bold** = Detected at concentration above reporting limit

< = Result is below laboratory method detection limit

mg/L = Milligrams per liter

NMAC = New Mexico Administrative Code

- = Not applicable/No screening level for specific analyte



**TABLE 8C**  
**OUTFALLS ANALYTICAL SUMMARY - TOTAL METALS**  
 Bloomfield Terminal 2024 Annual Report  
 Western Refining Southwest LLC  
 San Juan County, New Mexico

Sample Location	Sample Date	Arsenic (mg/L)	Barium (mg/L)	Chromium (mg/L)	Lead (mg/L)	Selenium (mg/L)	Silver (mg/L)	Mercury (mg/L)
Screening Source		Total Metals - NMAC 20.6.2						
Screening Levels		0.01	2.0	0.05	0.015	0.05	0.05	0.002
East Outfall #2	4/27/2021	<b>0.0011</b>	<b>0.050</b>	<0.0060	<0.00050	<b>0.0051</b>	<0.0050	<0.00020
	4/26/2023				Dry			
	8/9/2023				Dry			
	4/16/2024				Dry			
	8/8/2024				Dry			
East Outfall #3	4/26/2023				Dry			
	8/9/2023				Dry			
	4/16/2024				Dry			
	8/8/2024				Dry			

**Notes:**  
 = Analytical results exceeds the respective screening level  
 = Field Duplicate sample  
**Bold** = Detected at concentration above reporting limit  
 < = Result is below laboratory method detection limit  
 mg/L = Milligrams per liter  
 NMAC = New Mexico Administrative Code



**TABLE 8D**  
**OUTFALLS ANALYTICAL SUMMARY - DISSOLVED METALS**  
 Bloomfield Terminal 2024 Annual Report  
 Western Refining Southwest LLC  
 San Juan County, New Mexico

Sample Location	Sample Date	Arsenic (mg/L)	Barium (mg/L)	Calcium (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Sodium (mg/L)	Uranium (mg/L)	Zinc (mg/L)
<b>Screening Source</b>		Dissolved Metals - NMAC 20.6.2													
<b>Screening Levels</b>		0.01	2.0	-	1	1	0.015	-	0.2	-	0.05	0.05	-	0.03	10
<b>East Outfall #2</b>	4/27/2021	0.0011	0.049	95	0.0017	<0.020	<0.00050	21	<0.0020	1.8	0.0047	<0.0050	82	0.0038	<0.010
	4/26/2023														
	8/9/2023														
	4/16/2024														
<b>East Outfall #3</b>	8/8/2024														
	4/26/2023														
	8/9/2023														
	4/16/2024														
	8/8/2024														

**Notes:**  
 = Analytical results exceeds the respective screening level  
 = Field Duplicate sample  
**Bold** = Detected at concentration above reporting limit  
 < = Result is below laboratory method detection limit  
 mg/L = Milligrams per liter  
 NMAC = New Mexico Administrative Code  
 - = Not applicable/No screening level for specific analyte





**TABLE 9A**  
**SEEPS ANALYTICAL SUMMARY - VOLATILE ORGANIC COMPOUNDS**  
 Bloomfield Terminal 2024 Annual Report  
 Western Refining Southwest LLC  
 San Juan County, New Mexico

Sample Location	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes, Total (µg/L)	Methyl tert-butyl ether (MTBE) (µg/L)
Screening Source		NMAC 20.6.2				
Screening Levels		5	1,000	700	620	100
Seep #1	4/26/2023					Dry
	8/24/2023					Dry
	4/16/2024					Dry
	8/5/2024					Dry
Seep #2	4/26/2023					Dry
	8/24/2023					Dry
	4/16/2024					Dry
	8/5/2024					Dry
Seep #3	4/26/2023					Dry
	8/24/2023					Dry
	4/16/2024					Dry
	8/5/2024					Dry
Seep #5	4/26/2023					Dry
	8/24/2023					Dry
	4/16/2024					Dry
	8/5/2024					Dry
Seep #6	8/14/2023	---	---	---	---	---
	4/14/2024	---	---	---	---	---
	8/5/2024	---	---	---	---	---
Seep #9	4/14/2024	---	---	---	---	---
	8/5/2024	---	---	---	---	---
Jungle Seep	8/14/2024	<0.23	<0.25	<0.21	<0.37	<0.39

**Notes:**

- = Analytical results exceeds the respective screening level
- = Field Duplicate sample
- < = Result is below laboratory method detection limit
- = Specific analyte not sampled
- µg/L = micrograms per liter
- NMAC = New Mexico Administrative Code



**TABLE 9B**  
**SEEPS ANALYTICAL SUMMARY - ANIONS**  
 Bloomfield Terminal 2024 Annual Report  
 Western Refining Southwest LLC  
 San Juan County, New Mexico

Sample Location	Sample Date	Fluoride (mg/L)	Chloride (mg/L)	Nitrite (mg/L)	Bromide (mg/L)	Nitrate (mg/L)	Phosphorus (mg/L)	Sulfate (mg/L)	Carbon Dioxide (CO <sub>2</sub> ) (mg/L)	Alkalinity (CaCO <sub>3</sub> ) (mg/L)	Bicarbonate (CaCO <sub>3</sub> ) (mg/L)
Screening Source		Anions - NMAC 20.6.2									
Screening Levels		1.6	250	1.0	-	10	-	600	-	-	-
Seep #1	4/26/2023										
	8/24/2023										
	4/16/2024										
	8/5/2024										
Seep #2	4/26/2023										
	8/24/2023										
	4/16/2024										
	8/5/2024										
Seep #3	4/26/2023										
	8/24/2023										
	4/16/2024										
	8/5/2024										
Seep #5	4/26/2023										
	8/24/2023										
	4/16/2024										
	8/5/2024										
Seep #6	8/14/2023	---	---	---	---	---	---	---	---	---	---
	4/14/2024	---	---	---	---	---	---	---	---	---	---
	8/5/2024	---	---	---	---	---	---	---	---	---	---
Seep #9	4/14/2024	---	---	---	---	---	---	---	---	---	---
	8/5/2024	---	---	---	---	---	---	---	---	---	---
Jungle Seep	8/14/2024	<b>0.48</b>	<b>4.1</b>	<0.10	<0.10	<b>0.039 J</b>	<0.50	<b>80</b>	---	<b>150</b>	<b>150</b>

**Notes:**

- = Analytical results exceeds the respective screening level
- = Field Duplicate sample

**Bold** = Detected at concentration above reporting limit  
 < = Result is below laboratory method detection limit  
 --- = Specific analyte not sampled  
 mg/L = Milligrams per liter  
 NMAC = New Mexico Administrative Code  
 - = Not applicable/No screening level for specific analyte  
 J = Result is estimated



<b>TABLE 10A</b> <b>SAN JUAN RIVER ANALYTICAL SUMMARY -</b> <b>VOLATILE ORGANIC COMPOUNDS</b> Bloomfield Terminal 2024 Annual Report Western Refining Southwest LLC San Juan County, New Mexico						
Sample Location	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes, Total (µg/L)	Methyl tert-butyl ether (MTBE) (µg/L)
Screening Source		NMAC 20.6.2				
Screening Levels		5	1,000	700	620	100
Upstream	8/25/2021	<1.0	<1.0	<1.0	<1.5	<1.0
	4/14/2022	<1.0	<1.0	<1.0	<1.5	<1.0
	8/9/2022	<1.0	<1.0	<1.0	<1.5	<1.0
	4/28/2023	<1.0	<1.0	<1.0	<1.5	<1.0
	8/25/2023	<1.0	<1.0	<1.0	<1.5	<1.0
	4/22/2024	<1.0	<1.0	<1.0	<1.5	<1.0
	8/15/2024	<0.23	<0.25	<0.21	<0.37	<b>0.69 J</b>
North of MW-45	4/27/2021	<1.0	<1.0	<1.0	<1.5	<1.0
	8/25/2021	<1.0	<1.0	<1.0	<1.5	<1.0
	4/14/2022	<1.0	<1.0	<1.0	<1.5	<1.0
	8/3/2022	<1.0	<1.0	<1.0	<1.5	<1.0
	4/28/2023	<1.0	<1.0	<1.0	<1.5	<1.0
	8/23/2023	<1.0	<1.0	<1.0	<1.5	<1.0
	4/22/2024	<1.0	<1.0	<1.0	<1.5	<1.0
8/15/2024	<0.23	<0.25	<0.21	<0.37	<b>0.55 J</b>	
North of MW-46	4/29/2021	<1.0	<1.0	<1.0	<1.5	<1.0
	8/21/2021	<1.0	<1.0	<1.0	<1.5	<1.0
	4/14/2022	<1.0	<1.0	<1.0	<1.5	<1.0
	8/4/2022	<1.0	<1.0	<1.0	<1.5	<1.0
	4/28/2023	<1.0	<1.0	<1.0	<1.5	<1.0
	8/25/2023	<1.0	<1.0	<1.0	<1.5	<1.0
	4/22/2024	<1.0	<1.0	<1.0	<1.5	<1.0
	8/15/2024	<0.23	<0.25	<0.21	<0.37	<b>0.48 J</b>
8/15/2024	<0.23	<0.25	<0.21	<0.37	<b>0.40 J</b>	
Downstream	4/29/2021	<1.0	<1.0	<1.0	<1.5	<1.0
	8/21/2021	<1.0	<1.0	<1.0	<1.5	<1.0
	4/14/2022	<1.0	<1.0	<1.0	<1.5	<1.0
	8/4/2022	<1.0	<1.0	<1.0	<1.5	<1.0
	4/28/2023	<1.0	<1.0	<1.0	<1.5	<1.0
	8/25/2023	<1.0	<1.0	<1.0	<1.5	<1.0
	4/22/2024	<1.0	<1.0	<1.0	<1.5	<1.0
8/15/2024	<0.23	<0.25	<0.21	<0.37	<b>0.42 J</b>	



**TABLE 10A**  
**SAN JUAN RIVER ANALYTICAL SUMMARY -**  
**VOLATILE ORGANIC COMPOUNDS**  
 Bloomfield Terminal 2024 Annual Report  
 Western Refining Southwest LLC  
 San Juan County, New Mexico

Sample Location	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes, Total (µg/L)	Methyl tert-butyl ether (MTBE) (µg/L)
Screening Source		NMAC 20.6.2				
Screening Levels		5	1,000	700	620	100

**Notes:**

= Analytical results exceeds the respective screening level

= Field Duplicate sample

**Bold** = Detected at concentration above reporting limit

< = Result is below laboratory method detection limit

µg/L = micrograms per liter

J = Result is estimated

NMAC = New Mexico Administrative Code



**TABLE 10B**  
**SAN JUAN RIVER ANALYTICAL SUMMARY -**  
**TOTAL PETROLEUM HYDROCARBONS**  
 Bloomfield Terminal 2024 Annual Report  
 Western Refining Southwest LLC  
 San Juan County, New Mexico

Sample Location	Sample Date	Diesel Range Organics (mg/L)	Gasoline Range Organics (mg/L)	Motor Oil Range Organics (mg/L)
Screening Source		NMED Soil Screening Guidance Table 6-4		
Screening Levels		0.0167	0.0101	0.0858
Upstream	8/25/2021	<1.0	<0.050	---
	4/14/2022	0	<0.050	<0.080
	8/9/2022	0.040 J	<0.10	<0.080
	4/28/2023	<1.0	<0.050	<5.0
	8/9/2023	<1.0	<0.050	<5.0
	4/22/2024	<0.44	<0.050	<0.23
	8/15/2024	<0.067	<0.013	<0.070
North of MW-45	8/25/2021	<1.0	<0.050	---
	4/14/2022	0.033 J	<0.050	<0.080
	8/3/2022	0.031 J	<0.050	<0.080
	4/28/2023	<1.0	<0.050	<5.0
	8/23/2023	<1.0	<0.050	<5.0
	4/22/2024	<0.43	<0.050	<0.23
	8/15/2024	<0.067	<0.013	<0.070
North of MW-46	8/21/2021	<1.0	<0.050	---
	4/14/2022	0.027 J	<0.050	<0.080
	8/4/2022	0.023 J	<0.050	<0.080
	4/28/2023	<1.0	<0.050	<5.0
	8/25/2023	<1.0	<0.050	<5.0
	4/22/2024	<0.43	<0.050	<0.23
	8/15/2024	0.087 J	<0.013	<0.070
	8/15/2024	0.072 J	<0.013	<0.070
Downstream	8/21/2021	<1.0	<0.050	---
	4/14/2022	0.026 J	<0.050	<0.080
	8/4/2022	0.058 J	<0.050	<0.080
	4/28/2023	<1.0	<0.050	<5.0
	8/25/2023	<1.0	<0.050	<5.0
	4/22/2024	<0.43	<0.050	<0.23
	8/15/2024	0.094 J	<0.013	<0.070

**Notes:**

= Analytical results exceeds the respective screening level

= Field Duplicate sample

**Bold** = Detected at concentration above reporting limit

**Red** = Laboratory reporting limit exceeds screening level



**TABLE 10B**  
**SAN JUAN RIVER ANALYTICAL SUMMARY -**  
**TOTAL PETROLEUM HYDROCARBONS**  
 Bloomfield Terminal 2024 Annual Report  
 Western Refining Southwest LLC  
 San Juan County, New Mexico

Sample Location	Sample Date	Diesel Range Organics (mg/L)	Gasoline Range Organics (mg/L)	Motor Oil Range Organics (mg/L)
<b>Screening Source</b>		<b>NMED Soil Screening Guidance Table 6-4</b>		
<b>Screening Levels</b>		<b>0.0167</b>	<b>0.0101</b>	<b>0.0858</b>

MW = Monitoring Well  
 < = Result is below laboratory method detection limit  
 --- = Specific analyte not sampled  
 J = Result is estimated  
 mg/L = Milligrams per liter  
 NMED = New Mexico Environment Department



**TABLE 10C**  
**SAN JUAN RIVER ANALYTICAL SUMMARY - ANIONS**  
 Bloomfield Terminal 2024 Annual Report  
 Western Refining Southwest LLC  
 San Juan County, New Mexico

Sample Location	Sample Date	Fluoride (mg/L)	Chloride (mg/L)	Nitrite (mg/L)	Bromide (mg/L)	Nitrate (mg/L)	Phosphorus (mg/L)	Sulfate (mg/L)	Carbon Dioxide (CO <sub>2</sub> ) (mg/L)	Alkalinity (CaCO <sub>3</sub> ) (mg/L)
Screening Source		Anions - NMAC 20.6.2								
Screening Levels		2	250	1	-	10	-	600	-	-
Upstream	8/25/2021	<0.50	3.3	<1.0	<0.50	<1.0	<2.5	47	---	84.36
	4/14/2022	<0.50	3.6	---	<0.50	---	<2.5 H	64	---	84.68
	8/9/2022	0.42 J	4.1	<0.50	<0.50	0.16 J	<2.5	130	---	107.6
	4/28/2023	<0.50	4.0	<0.50 H	<0.50	<0.50 H	<2.5 H	69	---	92.80
	8/9/2023	<0.50	3.8	<1.0	<0.50	<1.0	<2.5 H	69	---	89.52
	4/22/2024	0.17	3.3	<0.10	<0.10	<0.10	<0.50	80	---	92.00
	8/15/2024	<0.23	3.1	<0.058	<0.25	<0.10	<1.3	34	---	81.00
North of MW-45	4/27/2021	0.18	3.0	<0.10	<0.10	<0.10	<0.50	55	---	86.56
	8/25/2021	<0.50	3.4	<1.0	<0.50	<1.0	<2.5	48	---	84.20
	4/14/2022	<0.50	3.6	---	<0.50	---	<2.5 H	63	---	85.04
	8/3/2022	<0.50	3.7	<0.50	<0.50	<0.50	<2.5	72	87	95.24
	4/28/2023	<0.50	4.0	<0.50 H	<0.50	0.76 H	<2.5 H	69	---	90.32
	8/23/2023	<0.50	3.6	<0.50	<0.50	<0.50	<2.5 H	47	---	86.92
	4/22/2024	0.18	3.8	<0.10	<0.10	<0.10	<0.50	100	---	97.00
8/15/2024	<0.23	3.0	<0.058	<0.25	<0.10	<1.3	34	---	82.00	
North of MW-46	4/29/2021	---	---	<0.50	---	<0.50	---	---	---	85.68
	8/21/2021	<0.50	3.5	<1.0	<0.50	<1.0	<2.5	45	---	85.12
	4/14/2022	<0.50	4.7	---	<0.50	---	<2.5 H	70	---	86.60
	8/4/2022	<0.50 H	3.6	---	<0.50	---	<2.5 H	73	---	95.72
	4/28/2023	<0.50	4.1	<0.50 H	<0.50	<0.50 H	<2.5 H	75	---	94.68
	8/25/2023	<0.50	3.8	<0.50	<0.50	<0.50	<2.5 H	70	---	88.44
	4/22/2024	0.18	3.4	<0.10	<0.10	<0.10	<0.50	79	---	91.00
	8/15/2024	<0.23	2.9	<0.058	<0.25	<0.10	<1.3	34	---	81.00
8/15/2024	<0.23	3.6	<0.058	<0.25	0.10 J	<1.3	34	---	82.00	



**TABLE 10C**  
**SAN JUAN RIVER ANALYTICAL SUMMARY - ANIONS**  
 Bloomfield Terminal 2024 Annual Report  
 Western Refining Southwest LLC  
 San Juan County, New Mexico

Sample Location	Sample Date	Fluoride (mg/L)	Chloride (mg/L)	Nitrite (mg/L)	Bromide (mg/L)	Nitrate (mg/L)	Phosphorus (mg/L)	Sulfate (mg/L)	Carbon Dioxide (CO <sub>2</sub> ) (mg/L)	Alkalinity (CaCO <sub>3</sub> ) (mg/L)
Screening Source		Anions - NMAC 20.6.2								
Screening Levels		2	250	1	-	10	-	600	-	-
Downstream	4/29/2021	---	---	<0.10	---	<0.10	---	---	---	93.48
	8/21/2021	<0.50	3.3	<1.0	<0.50	<1.0	<2.5	45	---	86.12
	4/14/2022	<0.50	4.5	---	<0.50	---	<2.5 H	96	---	89.72
	8/4/2022	0.33 J	3.7	---	<0.50	---	<2.5 H	74	---	95.84
	4/28/2023	<0.50	4.2	<0.50 H	<0.50	<0.50 H	<2.5 H	73	---	95.00
	8/25/2023	<0.50	3.8	<0.50	<0.50	<0.50	<2.5 H	68	---	89.00
	4/22/2024	0.18	3.8	<0.10	<0.10	<0.10	<0.50	99	---	96.00
	8/15/2024	<0.23	3.2	<0.058	<0.25	0.12 J	<1.3	35	---	82.00

**Notes:**

= Analytical results exceeds the respective screening level

= Field Duplicate sample

**Bold** = Detected at concentration above reporting limit

**Red** = Laboratory reporting limit exceeds screening level

MW = Monitoring Well

< = Result is below laboratory method detection limit

--- = Specific analyte not sampled

J = Result is estimated

mg/L = Milligrams per liter

NMAC = New Mexico Administrative Code

- = Not applicable/No screening level for specific analyte





**TABLE 10D**  
**SAN JUAN RIVER ANALYTICAL SUMMARY - TOTAL METALS**  
 Bloomfield Terminal 2024 Annual Report  
 Western Refining Southwest LLC  
 San Juan County, New Mexico

Sample Location	Sample Date	Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Lead (mg/L)	Selenium (mg/L)	Silver (mg/L)	Mercury (mg/L)
Screening Source		Total Metals - NMAC 20.6.2							
Screening Levels		0.01	2.0	0.005	0.05	0.015	0.05	0.05	0.002
Upstream	8/25/2021	<0.0050	0.17	<0.0020	<0.0060	0.0030	<0.0050	<0.0050	<0.00020
	4/14/2022	0.0012	0.082	<0.0020	<0.0060	<0.00050	0.00073 J	<0.0050	<0.00020
	8/9/2022	0.014	3.3	<0.0020	0.19	0.15	0.026	<0.0050	0.00039
	4/28/2023	0.0016	0.092	<0.0020	<0.0060	0.0010	<0.0010	<0.0050	<0.00020
	8/25/2023	0.0085	0.32	<0.0020	0.026	0.020	0.0045	<0.0050	<0.00020
	4/22/2024	0.0011	0.074	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.00020
	8/15/2024	<0.0025	0.120	<0.0025	0.0065	0.095	<0.0040	<0.0025	<0.00012
North of MW-45	4/27/2021	<0.0010	0.07	<0.0020	<0.0060	<0.00050	<0.0010	<0.0050	<0.00020
	8/25/2021	<0.0050	0.14	<0.0020	<0.0060	<0.0025	<0.0050	<0.0050	<0.00020
	4/14/2022	0.0012	0.074	<0.0020	<0.0060	0.00063	0.00053 J	<0.0050	<0.00020
	8/3/2022	0.0037	0.22	<0.0020	0.0086	0.0068	0.0024	<0.0050	0.00010 J
	4/28/2023	0.0016	0.097	<0.0020	<0.0060	0.0013	<0.0010	<0.0050	<0.00020
	8/23/2023	0.0012	0.078	<0.0020	<0.0060	<0.0010	<0.0010	<0.0050	<0.00020
	4/22/2024	0.0011	0.074	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.00020
8/15/2024	<0.0025	0.120	<0.0025	0.0067	0.035	<0.0040	<0.0025	<0.00012	
North of MW-46	4/29/2021	<0.0010	0.076	<0.0020	<0.0060	<0.00050	<0.0010	<0.0050	<0.00020
	8/21/2021	0.0034	0.26	<0.0020	<0.0060	0.0083	0.0028	<0.0050	<0.00020
	4/14/2022	0.0011	0.074	<0.0020	<0.0060	0.00062	0.00050 J	<0.0050	<0.00020
	8/4/2022	0.0043	0.25	<0.0020	0.010	0.0080	0.0021	<0.0050	0.000098 J
	4/28/2023	0.0018	0.12	<0.0020	<0.0060	0.0023	0.0010	<0.0050	<0.00020
	8/25/2023	0.0074	0.29	<0.0020	0.023	0.018	0.0039	<0.0050	<0.00020
	4/22/2024	0.0011	0.074	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.00020
	8/15/2024	0.0029 J	0.13	<0.0025	0.0076	0.013	<0.0040	<0.0025	<0.00012
8/15/2024	0.0027 J	0.14	<0.0025	0.0080	0.030	<0.0040	<0.0025	<0.00012	



**TABLE 10D**  
**SAN JUAN RIVER ANALYTICAL SUMMARY - TOTAL METALS**  
 Bloomfield Terminal 2024 Annual Report  
 Western Refining Southwest LLC  
 San Juan County, New Mexico

Sample Location	Sample Date	Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Lead (mg/L)	Selenium (mg/L)	Silver (mg/L)	Mercury (mg/L)
Screening Source		Total Metals - NMAC 20.6.2							
Screening Levels		0.01	2.0	0.005	0.05	0.015	0.05	0.05	0.002
Downstream	4/29/2021	<0.0010	<b>0.072</b>	<0.0020	<0.0060	<0.00050	<0.0010	<0.0050	<0.00020
	8/21/2021	<b>0.0021</b>	<b>0.15</b>	<0.0020	<0.0060	<b>0.0037</b>	<b>0.0012</b>	<0.0050	<0.00020
	4/14/2022	<b>0.0013</b>	<b>0.083</b>	<0.0020	<0.0060	<b>0.0009</b>	<b>0.00065 J</b>	<0.0050	<0.00020
	8/4/2022	<b>0.0047</b>	<b>0.26</b>	<0.0020	<b>0.012</b>	<b>0.0084</b>	<b>0.0016</b>	<0.0050	<b>0.000093 J</b>
	4/28/2023	<b>0.0019</b>	<b>0.12</b>	<0.0020	<0.0060	<b>0.0024</b>	<0.0010	<0.0050	<0.00020
	8/25/2023	<b>0.0092</b>	<b>0.36</b>	<0.0020	<b>0.024</b>	<b>0.021</b>	<b>0.0042</b>	<0.0050	<0.00020
	4/22/2024	<b>0.0011</b>	<b>0.076</b>	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.00020
	8/15/2024	<0.0025	<b>0.14</b>	<0.0025	<b>0.0076</b>	<b>0.013</b>	<0.0040	<0.0025	<0.00012

**Notes:**

= Analytical results exceeds the respective screening level

= Field Duplicate sample

**Bold** = Detected at concentration above reporting limit

MW = Monitoring Well

< = Result is below laboratory method detection limit

J = Result is estimated

mg/L = Milligrams per liter

NMAC = New Mexico Administrative Code



**TABLE 10E**  
**SAN JUAN RIVER ANALYTICAL SUMMARY - DISSOLVED METALS**  
 Bloomfield Terminal 2024 Annual Report  
 Western Refining Southwest LLC  
 San Juan County, New Mexico

Sample Location	Sample Date	Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Sodium (mg/L)	Uranium (mg/L)	Zinc (mg/L)
Screening Source		Dissolved Metals - NMAC 20.6.2															
Screening Levels		0.01	2.0	0.005	-	0.05	1.0	1.0	0.015	-	0.2	-	0.05	0.05	-	0.03	10.0
Upstream	8/25/2021	<0.020	0.069	<0.0020	32	<0.0060	<0.020	<0.020	<0.010	5.2	0.0060	2.0	<0.020	<0.0050	15	<0.010	0.039
	4/14/2022	0.00093 J	0.069	<0.0020	36	<0.0060	0.00089 J	<0.020	<0.0050	6.1	0.013	2.1	<0.0010	<0.0050	23	---	0.016
	8/9/2022	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	4/28/2023	---	0.069	<0.0010	---	<1.0	<0.0010	0.015	---	---	0.0047	---	---	<1.0	---	---	0.0014
	8/25/2023	<0.010	0.078	<0.0020	41	<0.0060	<0.010	1.9	<0.010	5.7	0.080	2.6	<0.010	<0.0050	22	<0.010	0.026
	4/22/2024	<0.010	0.065	<0.010	38	<0.010	<0.010	<0.020	<0.010	6.3	0.036	1.9	<0.010	<0.010	31	<0.010	<0.020
8/15/2024	<0.010	0.084	<0.010	29	<0.010	<0.010	0.70	<0.010	5.3	0.026	2.4	<0.016	<0.010	15	<0.010	0.066	
North of MW-45	4/27/2021	<0.0010	0.065	<0.0020	31	<0.0060	<0.0010	<0.020	<0.00050	5.6	0.02	1.9	<0.0010	<0.0050	20	0.00051	<0.010
	8/25/2021	<0.020	0.063	<0.0020	32	<0.0060	<0.020	<0.020	<0.010	5.2	0.0059	1.8	<0.020	<0.0050	16	<0.010	0.020
	4/14/2022	0.00092 J	0.067	<0.0020	37	<0.0060	0.022	<0.020	<0.00050	6.2	0.012	2.1	0.00054 J	<0.0050	23	---	0.016
	8/3/2022	0.0013	0.071	<0.0020	38	<0.0060	0.0012	0.015 J	<0.00050	5.4	0.0053	2.1	<0.0010	<0.0050	25	0.00080	0.0052 J
	4/28/2023	---	0.070	<0.0010	---	<1.0	<0.0010	0.056	---	---	0.0052	---	---	<1.0	---	---	0.0072
	8/23/2023	<0.010	0.071	<0.0020	32	<0.0060	<0.010	<0.020	<0.010	5.7	0.0068	2.0	<0.010	<0.0050	18	<0.010	0.18
	4/22/2024	<0.010	0.061	<0.010	44	<0.010	<0.010	<0.020	<0.010	6.8	0.063	1.9	<0.010	<0.010	37	<0.010	<0.020
	8/15/2024	<0.010	0.080	<0.010	30	<0.010	<0.010	0.41	<0.010	5.4	0.026	2.3	<0.016	<0.010	15	<0.010	0.057
North of MW-46	4/29/2021	<0.0010	0.066	<0.0020	33	<0.0060	<0.0010	<0.020	<0.00050	5.8	0.053	1.8	<0.0010	<0.0050	22	<0.00050	<0.010
	8/21/2021	<0.0050	0.063	<0.0020	31	<0.0060	<0.0050	0.021	<0.0025	5.1	0.0069	2.0	<0.0050	<0.0050	16	---	0.020
	4/14/2022	0.00082 J	0.069	<0.0020	39	<0.0060	0.0012	<0.020	<0.00050	6.4	0.029	2.1	0.00051 J	<0.0050	24	---	0.016
	8/4/2022	0.0013	0.080	<0.0020	39	<0.0060	0.0014	0.25	0.00029 J	5.8	0.018	2.4	0.00049 J	<0.0050	25	0.00082	0.0075 J
	4/28/2023	---	0.069	<0.0010	---	<1.0	<0.0010	0.013	---	---	0.015	---	---	<1.0	---	---	0.0046
	8/25/2023	<0.010	0.062	<0.0020	41	<0.0060	<0.010	0.39	<0.010	5.4	0.022	2.6	<0.010	<0.0050	23	<0.010	<0.020
	4/22/2024	<0.010	0.065	<0.010	39	<0.010	<0.010	<0.020	<0.010	6.3	0.039	2.0	<0.010	<0.010	31	<0.010	0.041
	8/15/2024	<0.010	0.085	<0.010	28 J	<0.010	<0.010	<1.7	<0.010	<9.8	0.054 J	2.4	<0.016	<0.010	15	<0.010	<0.49
8/15/2024	<0.010	0.095	<0.010	29 J	<0.010	<0.010	<1.7	<0.010	<9.8	0.074 J	2.2	<0.010	<0.010	15	<0.010	<0.49	
Downstream	4/29/2021	<0.0010	0.066	<0.0020	41	<0.0060	<0.0010	0.026	<0.00050	7.0	0.033	2.1	<0.0010	<0.0050	35	0.0008	<0.010
	8/21/2021	<0.0050	0.063	<0.0020	33	<0.0060	<0.0050	<0.020	<0.0025	5.4	0.018	1.9	<0.0050	<0.0050	17	---	0.018
	4/14/2022	0.00081 J	0.069	<0.0020	44	<0.0060	0.00088 J	<0.020	0.000097 J	7.0	0.0370	2.2	0.00060 J	<0.0050	33	---	0.011
	8/4/2022	0.0012	0.076	<0.0020	38	<0.0060	0.0012	0.22	0.00023 J	5.4	0.020	2.2	0.00046 J	<0.0050	25	0.00079	0.013
	4/28/2023	---	0.070	<0.0010	---	<1.0	<0.0010	0.016	---	---	0.016	---	---	<1.0	---	---	0.022
	8/25/2023	<0.010	0.054	<0.0020	40	<0.0060	<0.010	0.078	<0.010	5.3	0.012	2.6	<0.010	<0.0050	21	<0.010	0.13
	4/22/2024	<0.010	0.063	<0.010	44	<0.010	<0.010	<0.020	<0.010	6.9	0.070	2.0	<0.010	<0.010	37	<0.010	<0.020
	8/15/2024	<0.010	0.085	<0.010	29 J	<0.010	<0.010	<1.7	<0.010	<9.8	0.053 J	2.2	<0.016	<0.010	15	<0.010	<0.49

Notes:

- = Analytical results exceeds the respective screening level
- = Field Duplicate sample
- Bold** = Detected at concentration above reporting limit
- Red** = Laboratory reporting limit exceeds screening level
- MW = Monitoring Well
- < = Result is below laboratory method detection limit
- = Specific analyte not sampled
- J = Result is estimated
- mg/L = Milligrams per liter
- NMAC = New Mexico Administrative Code
- = Not applicable/No screening level for specific analyte



**TABLE 11A**  
**BACKGROUND WELLS ANALYTICAL SUMMARY - VOLATILE ORGANIC COMPOUNDS**  
 Bloomfield Terminal 2024 Annual Report  
 Western Refining Southwest LLC  
 San Juan County, New Mexico

Sample Location	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes, Total (µg/L)	Methyl tert-butyl ether (MTBE) (µg/L)	1-Methyl-naphthalene (µg/L)	2-Methyl-naphthalene (µg/L)	Naphthalene (µg/L)	Acetone (µg/L)	Isopropyl-benzene (µg/L)	1,2,4-Trimethyl-benzene (µg/L)	1,3,5-Trimethyl-benzene (µg/L)	4-Isopropyl-toluene (µg/L)	n-Butyl-benzene (µg/L)	n-Propyl-benzene (µg/L)	sec-Butyl-benzene (µg/L)	tert-Butyl-benzene (µg/L)
Screening Source		NMAC 20.6.2					NMED Soil Screening Guidance Table A-1 (Tap Water)					VOCs - EPA RSL Tap Water THQ = 0.1						
Screening Levels		5	1,000	700	620	100	11	35	1	14,100	447	5.6	6.0	-	100	66	200	69
MW-BCK1	11/8/2023	<1.0	<1.0	<1.0	< 1.5	<1.0	< 4.0	< 4.0	<2.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0	<3.0	< 1.0	< 1.0	< 1.0
MW-BCK2	11/8/2023	<1.0	<1.0	<1.0	< 1.5	<1.0	< 4.0	< 4.0	<2.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0	<3.0	< 1.0	< 1.0	< 1.0

**Notes:**

- Analytical result exceeds the respective screening level.
- Field duplicate sample collected
- Bold** = Detected at concentration above reporting limit
- Red** = Laboratory reporting limit exceeds screening level
- MW = Monitoring Well
- < = Result is below laboratory method detection limit
- µg/L = micrograms per liter
- NMED = New Mexico Environment Department
- NMAC = New Mexico Administrative Code
- = Not applicable/No screening level for specific analyte
- EPA = Environmental Protection Agency
- RSL - Regional Screening Level
- VOC - Volatile organic compound



**TABLE 11B**  
**BACKGROUND WELLS ANALYTICAL SUMMARY -**  
**TOTAL PETROLEUM HYDROCARBONS**  
 Bloomfield Terminal 2024 Annual Report  
 Western Refining Southwest LLC  
 San Juan County, New Mexico

Sample Location	Sample Date	Diesel Range Organics (mg/L)	Gasoline Range Organics (mg/L)	Motor Oil Range Organics (mg/L)
<b>Screening Source</b>		<b>NMED Soil Screening Guidance Table 6-4</b>		
<b>Screening Levels</b>		<b>0.0167</b>	<b>0.0101</b>	<b>0.0858</b>
<b>MW-BCK1</b>	11/8/2023	<1.0	<0.050	<5.0
<b>MW-BCK1</b>	11/8/2023	<1.0	<0.050	<5.0

**Notes:**

= Analytical results exceeds the respective screening level

= Field Duplicate sample

**Bold** = Detected at concentration above reporting limit

**Red** = Laboratory reporting limit exceeds screening level

MW = Monitoring Well

< = Result is below laboratory method detection limit

mg/L = Milligrams per liter

NMED = New Mexico Environment Department



**TABLE 11C**  
**BACKGROUND WELLS ANALYTICAL SUMMARY - SEMI-VOLATILE ORGANIC COMPOUNDS**  
 Bloomfield Terminal 2024 Annual Report  
 Western Refining Southwest LLC  
 San Juan County, New Mexico

Sample Location	Sample Date	1-Methyl-naphthalene (µg/L)	2,4-Dimethyl-phenol (µg/L)	2-Methyl-naphthalene (µg/L)	3+4-Methylphenol (µg/L)	4,6-Dinitro-2-methylphenol (µg/L)	Benzoic Acid (µg/L)	Bis(2-ethylhexyl)-phthalate (µg/L)	Butyl benzyl phthalate (µg/L)	Di-n-octyl phthalate (µg/L)	Fluorene (µg/L)	Naphthalene (µg/L)	Phenol (µg/L)	Pyridine (µg/L)
<b>Screening Source</b>		<b>SVOCs - EPA RSL Tap Water THQ = 0.1</b>												
<b>Screening Levels</b>		<b>11.4</b>	<b>36</b>	<b>35.1</b>	<b>93</b>	<b>0.15</b>	<b>7,500</b>	<b>5.6</b>	<b>16</b>	<b>-</b>	<b>29</b>	<b>1.17</b>	<b>580</b>	<b>2</b>
<b>MW-BCK1</b>	11/8/2023	<5.0	<10	<5.0	< 10	<10	< 20	< 10	< 10	< 10	<5.0	<5.0	< 10	<40
<b>MW-BCK2</b>	11/8/2023	< 10	< 10	< 10	< 10	< 20	< 20	< 10	< 10	< 10	< 10	< 10	< 10	< 10

**Notes:**  
 = Analytical results exceeds the respective screening level  
 = Field Duplicate sample  
**Bold** = Detected at concentration above reporting limit  
**Red** = Laboratory reporting limit exceeds screening level  
 MW = Monitoring Well  
 < = Result is below laboratory method detection limit  
 µg/L = micrograms per liter  
 - = Not applicable/No screening level for specific analyte  
 EPA = Environmental Protection Agency  
 RSL - Regional Screening Level  
 SVOC - Semi-volatile organic compound



**TABLE 11D**  
**BACKGROUND WELLS ANALYTICAL SUMMARY - ANIONS**  
 Bloomfield Terminal 2023 Annual Report  
 Western Refining Southwest LLC  
 San Juan County, New Mexico

Sample Location	Sample Date	Fluoride (mg/L)	Chloride (mg/L)	Nitrite (mg/L)	Bromide (mg/L)	Nitrate (mg/L)	Phosphorus (mg/L)	Sulfate (mg/L)	Carbon Dioxide (CO <sub>2</sub> ) (mg/L)	Alkalinity (CaCO <sub>3</sub> ) (mg/L)	Bicarbonate (CaCO <sub>3</sub> ) (mg/L)
<b>Screening Source</b>		<b>Anions - NMAC 20.6.2</b>									
<b>Screening Levels</b>		<b>2</b>	<b>250</b>	<b>1</b>	<b>-</b>	<b>10</b>	<b>-</b>	<b>600</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>MW-BCK1</b>	11/8/2023	---	---	---	---	---	---	---	---	---	---
<b>MW-BCK2</b>	11/8/2023	---	---	---	---	---	---	---	---	---	---

**Notes:**

= Analytical results exceeds the respective screening level

= Field Duplicate sample

MW = Monitoring Well

--- = Specific analyte not sampled

mg/L = Milligrams per liter

NMAC = New Mexico Administrative Code

- = Not applicable/No screening level for specific analyte



**TABLE 11E**  
**BACKGROUND WELLS ANALYTICAL SUMMARY - TOTAL METALS**  
 Bloomfield Terminal 2023 Annual Report  
 Western Refining Southwest LLC  
 San Juan County, New Mexico

Sample Location	Sample Date	Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Lead (mg/L)	Selenium (mg/L)	Silver (mg/L)	Mercury (mg/L)
Screening Source		Total Metals - NMAC 20.6.2							
Screening Levels		0.01	2.0	0.005	0.05	0.015	0.05	0.05	0.002
MW-BCK1	11/8/2023	<0.0030	<b>0.098</b>	<0.0020	<b>0.0084</b>	<b>0.0060</b>	<b>0.0035</b>	<b>0.0099</b>	<0.00020
MW-BCK2	11/8/2023	<0.0050	<b>0.021</b>	<0.0020	<0.0060	<0.0050	<0.0050	<b>0.010</b>	<0.00020

**Notes:**

= Analytical results exceeds the respective screening level

= Field Duplicate sample

**Bold** = Detected at concentration above reporting limit

MW = Monitoring Well

< = Result is below laboratory method detection limit

mg/L = Milligrams per liter

NMAC = New Mexico Administrative Code





**TABLE 11F**  
**BACKGROUND WELLS ANALYTICAL SUMMARY - DISSOLVED METALS**  
 Bloomfield Terminal 2023 Annual Report  
 Western Refining Southwest LLC  
 San Juan County, New Mexico

Sample Location	Sample Date	Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Sodium (mg/L)	Uranium (mg/L)	Zinc (mg/L)
<b>Screening Source</b>		<b>Dissolved Metals - NMAC 20.6.2</b>															
<b>Screening Levels</b>		<b>0.01</b>	<b>2.0</b>	<b>0.005</b>	<b>-</b>	<b>0.05</b>	<b>1.0</b>	<b>1.0</b>	<b>0.015</b>	<b>-</b>	<b>0.2</b>	<b>-</b>	<b>0.05</b>	<b>0.05</b>	<b>-</b>	<b>0.03</b>	<b>10.0</b>
MW-BCK1	11/8/2023	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-BCK2	11/8/2023	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

**Notes:**  
 = Analytical results exceeds the respective screening level  
 = Field Duplicate sample  
 MW = Monitoring Well  
 --- = Specific analyte not sampled  
 mg/L = Milligrams per liter  
 NMAC = New Mexico Administrative Code  
 - = Not applicable/No screening level for specific analyte



**TABLE 12**  
**WASTEWATER VOLUMES**  
 Bloomfield Terminal 2024 Annual Report  
 Western Refining Southwest LLC  
 San Juan County, New Mexico

Year	API Yearly Total Gallons	API Yearly Total (Barrels)	Injection Well Total (Gallons)	Injection Well Total (Barrels)	Discharge to Evaporation Ponds Total (Barrels)
2019	12,868,000	306,381	981,785	23,376	283,005
2020	18,373,000	437,452	1,298,526	30,917	406,535
2021	11,236,000	267,524	1,793,946	42,713	224,811
2022	9,653,000	229,833	315,379	7,509	222,324
2023	10,028,000	238,762	270,690	6,445	232,317
2024	13,516,000	321,810	826,014	19,667	302,143

**Notes:**

API = American Petroleum Institute

## ATTACHMENTS

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**ATTACHMENT A**

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Continuous Monitoring Operating Data Logs

## Injection Well Operational Log

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
1/1/24 0:00		2	471	216448
1/1/24 0:30		2	471	216448
1/1/24 1:00		2	471	216448
1/1/24 1:30		2	471	216448
1/1/24 2:00		2	471	216448
1/1/24 2:30		2	471	216448
1/1/24 3:00		2	471	216448
1/1/24 3:30		2	471	216448
1/1/24 4:00		2	471	216448
1/1/24 4:30		2	471	216448
1/1/24 5:00		2	471	216448
1/1/24 5:30		2	471	216448
1/1/24 6:00		2	471	216448
1/1/24 6:30		2	471	216448
1/1/24 7:00		2	471	216448
1/1/24 7:30		2	471	216448
1/1/24 8:00		2	471	216448
1/1/24 8:30		2	471	216448
1/1/24 9:00		2	473	216448
1/1/24 9:30		2	473	216448
1/1/24 10:00		2	474	216448
1/1/24 10:30		2	474	216448
1/1/24 11:00		2	483	216448
1/1/24 11:30		2	472	216448
1/1/24 12:00		2	472	216448
1/1/24 12:30		2	472	216448
1/1/24 13:00		2	472	216448
1/1/24 13:30		2	471	216448
1/1/24 14:00		2	472	216448
1/1/24 14:30		2	472	216448
1/1/24 15:00		2	472	216448
1/1/24 15:30		2	472	216448
1/1/24 16:00		2	471	216448
1/1/24 16:30		2	471	216448
1/1/24 17:00		2	471	216448
1/1/24 17:30		2	471	216448
1/1/24 18:00		2	471	216448
1/1/24 18:30		2	471	216448
1/1/24 19:00		2	471	216448
1/1/24 19:30		2	471	216448
1/1/24 20:00		2	471	216448
1/1/24 20:30		2	471	216448
1/1/24 21:00		2	471	216448
1/1/24 21:30		2	471	216448
1/1/24 22:00		1	471	216448
1/1/24 22:30		1	471	216448
1/1/24 23:00		2	471	216448
1/1/24 23:30		2	471	216448
1/2/24 0:00		2	471	216448
1/2/24 0:30		1	471	216448
1/2/24 1:00		1	471	216448
1/2/24 1:30		1	471	216448
1/2/24 2:00		1	471	216448
1/2/24 2:30		1	471	216448
1/2/24 3:00		1	471	216448
1/2/24 3:30		1	471	216448
1/2/24 4:00		1	471	216448
1/2/24 4:30		1	471	216448
1/2/24 5:00		1	471	216448
1/2/24 5:30		1	471	216448
1/2/24 6:00		1	471	216448

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
1/2/24 6:30		1	471	216448
1/2/24 7:00		1	471	216448
1/2/24 7:30		1	471	216448
1/2/24 8:00		1	471	216448
1/2/24 8:30		1	473	216448
1/2/24 9:00		1	473	216448
1/2/24 9:30		1	472	216448
1/2/24 10:00		1	473	216448
1/2/24 10:30		1	479	216448
1/2/24 11:00		2	476	216448
1/2/24 11:30		2	472	216448
1/2/24 12:00		2	472	216448
1/2/24 12:30		1	472	216448
1/2/24 13:00		1	471	216448
1/2/24 13:30		1	471	216448
1/2/24 14:00		1	471	216448
1/2/24 14:30		1	471	216448
1/2/24 15:00		1	471	216448
1/2/24 15:30		1	471	216448
1/2/24 16:00		1	471	216448
1/2/24 16:30		1	471	216448
1/2/24 17:00		1	471	216448
1/2/24 17:30		1	471	216448
1/2/24 18:00		1	471	216448
1/2/24 18:30		1	471	216448
1/2/24 19:00		1	471	216448
1/2/24 19:30		1	471	216448
1/2/24 20:00		1	471	216448
1/2/24 20:30		1	471	216448
1/2/24 21:00		1	471	216448
1/2/24 21:30		1	471	216448
1/2/24 22:00		1	471	216448
1/2/24 22:30		1	471	216448
1/2/24 23:00		1	471	216448
1/2/24 23:30		1	471	216448
1/3/24 0:00		1	471	216448
1/3/24 0:30		1	471	216448
1/3/24 1:00		1	471	216448
1/3/24 1:30		1	471	216448
1/3/24 2:00		1	471	216448
1/3/24 2:30		1	471	216448
1/3/24 3:00		1	471	216448
1/3/24 3:30		1	471	216448
1/3/24 4:00		1	471	216448
1/3/24 4:30		1	471	216448
1/3/24 5:00		1	471	216448
1/3/24 5:30		1	472	216448
1/3/24 6:00		1	474	216448
1/3/24 6:30		1	474	216448
1/3/24 7:00		1	474	216448
1/3/24 7:30		1	475	216448
1/3/24 8:00		1	475	216448
1/3/24 8:30		1	475	216448
1/3/24 9:00		1	474	216448
1/3/24 9:30		1	475	216448
1/3/24 10:00		1	475	216448
1/3/24 10:30		1	478	216448
1/3/24 11:00		1	483	216448
1/3/24 11:30		1	484	216448
1/3/24 12:00		1	472	216448
1/3/24 12:30		1	471	216448
1/3/24 13:00		1	471	216448

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
1/3/24 13:30		1	471	216448
1/3/24 14:00		1	471	216448
1/3/24 14:30		1	471	216448
1/3/24 15:00		1	471	216448
1/3/24 15:30		1	471	216448
1/3/24 16:00		1	471	216448
1/3/24 16:30		1	471	216448
1/3/24 17:00		1	471	216448
1/3/24 17:30		1	471	216448
1/3/24 18:00		1	471	216448
1/3/24 18:30		1	471	216448
1/3/24 19:00		1	471	216448
1/3/24 19:30		1	471	216448
1/3/24 20:00		1	471	216448
1/3/24 20:30		1	471	216448
1/3/24 21:00		1	471	216448
1/3/24 21:30		1	471	216448
1/3/24 22:00		1	471	216448
1/3/24 22:30		1	471	216448
1/3/24 23:00		1	471	216448
1/3/24 23:30		1	471	216448
1/4/24 0:00		1	471	216448
1/4/24 0:30		1	471	216448
1/4/24 1:00		1	471	216448
1/4/24 1:30		1	471	216448
1/4/24 2:00		1	471	216448
1/4/24 2:30		1	471	216448
1/4/24 3:00		1	471	216448
1/4/24 3:30		1	471	216448
1/4/24 4:00		1	471	216448
1/4/24 4:30		1	471	216448
1/4/24 5:00		1	471	216448
1/4/24 5:30		1	471	216448
1/4/24 6:00		1	471	216448
1/4/24 6:30		1	471	216448
1/4/24 7:00		1	471	216448
1/4/24 7:30		1	471	216448
1/4/24 8:00		1	471	216448
1/4/24 8:30		1	471	216448
1/4/24 9:00		1	471	216448
1/4/24 9:30		1	471	216448
1/4/24 10:00		1	471	216448
1/4/24 10:30		1	471	216448
1/4/24 11:00		1	471	216448
1/4/24 11:30		1	471	216448
1/4/24 12:00		1	471	216448
1/4/24 12:30		1	471	216448
1/4/24 13:00		1	471	216448
1/4/24 13:30		1	471	216448
1/4/24 14:00		1	471	216448
1/4/24 14:30		1	471	216448
1/4/24 15:00		1	471	216448
1/4/24 15:30		1	471	216448
1/4/24 16:00		1	471	216448
1/4/24 16:30		1	471	216448
1/4/24 17:00		1	471	216448
1/4/24 17:30		1	471	216448
1/4/24 18:00		1	471	216448
1/4/24 18:30		1	471	216448
1/4/24 19:00		1	471	216448
1/4/24 19:30		1	471	216448
1/4/24 20:00		1	471	216448

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
1/4/24 20:30		1	471	216448
1/4/24 21:00		1	471	216448
1/4/24 21:30		1	471	216448
1/4/24 22:00		1	471	216448
1/4/24 22:30		1	471	216448
1/4/24 23:00		1	471	216448
1/4/24 23:30		1	471	216448
1/5/24 0:00		1	471	216448
1/5/24 0:30		1	471	216448
1/5/24 1:00		1	471	216448
1/5/24 1:30		1	471	216448
1/5/24 2:00		1	471	216448
1/5/24 2:30		1	471	216448
1/5/24 3:00		1	471	216448
1/5/24 3:30		1	471	216448
1/5/24 4:00		1	471	216448
1/5/24 4:30		1	470	216448
1/5/24 5:00		1	470	216448
1/5/24 5:30		1	470	216448
1/5/24 6:00		1	471	216448
1/5/24 6:30		1	471	216448
1/5/24 7:00		1	470	216448
1/5/24 7:30		1	471	216448
1/5/24 8:00		1	470	216448
1/5/24 8:30		1	470	216448
1/5/24 9:00		1	472	216448
1/5/24 9:30		1	473	216448
1/5/24 10:00		1	474	216448
1/5/24 10:30		1	479	216448
1/5/24 11:00		1	475	216448
1/5/24 11:30		1	471	216448
1/5/24 12:00		1	471	216448
1/5/24 12:30		1	471	216448
1/5/24 13:00		1	471	216448
1/5/24 13:30		1	471	216448
1/5/24 14:00		1	471	216448
1/5/24 14:30		1	471	216448
1/5/24 15:00		1	471	216448
1/5/24 15:30		1	470	216448
1/5/24 16:00		1	470	216448
1/5/24 16:30		1	470	216448
1/5/24 17:00		1	470	216448
1/5/24 17:30		1	470	216448
1/5/24 18:00		1	470	216448
1/5/24 18:30		1	470	216448
1/5/24 19:00		1	470	216448
1/5/24 19:30		1	470	216448
1/5/24 20:00		1	470	216448
1/5/24 20:30		1	470	216448
1/5/24 21:00		1	470	216448
1/5/24 21:30		1	470	216448
1/5/24 22:00		1	471	216448
1/5/24 22:30		1	470	216448
1/5/24 23:00		1	470	216448
1/5/24 23:30		1	470	216448
1/6/24 0:00		1	470	216448
1/6/24 0:30		1	470	216448
1/6/24 1:00		1	470	216448
1/6/24 1:30		1	470	216448
1/6/24 2:00		1	470	216448
1/6/24 2:30		1	470	216448
1/6/24 3:00		1	470	216448



Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
1/6/24 3:30		1	471	216448
1/6/24 4:00		1	471	216448
1/6/24 4:30		1	470	216448
1/6/24 5:00		1	470	216448
1/6/24 5:30		1	470	216448
1/6/24 6:00		1	470	216448
1/6/24 6:30		1	470	216448
1/6/24 7:00		1	470	216448
1/6/24 7:30		1	470	216448
1/6/24 8:00		1	470	216448
1/6/24 8:30		1	470	216448
1/6/24 9:00		1	470	216448
1/6/24 9:30		1	470	216448
1/6/24 10:00		1	471	216448
1/6/24 10:30		1	471	216448
1/6/24 11:00		1	471	216448
1/6/24 11:30		1	471	216448
1/6/24 12:00		1	471	216448
1/6/24 12:30		1	471	216448
1/6/24 13:00		1	470	216448
1/6/24 13:30		1	470	216448
1/6/24 14:00		1	470	216448
1/6/24 14:30		1	470	216448
1/6/24 15:00		1	470	216448
1/6/24 15:30		1	470	216448
1/6/24 16:00		1	470	216448
1/6/24 16:30		1	470	216448
1/6/24 17:00		1	470	216448
1/6/24 17:30		1	470	216448
1/6/24 18:00		1	470	216448
1/6/24 18:30		1	470	216448
1/6/24 19:00		1	470	216448
1/6/24 19:30		1	470	216448
1/6/24 20:00		1	470	216448
1/6/24 20:30		1	470	216448
1/6/24 21:00		1	470	216448
1/6/24 21:30		1	470	216448
1/6/24 22:00		1	470	216448
1/6/24 22:30		1	470	216448
1/6/24 23:00		1	470	216448
1/6/24 23:30		1	470	216448
1/7/24 0:00		1	470	216448
1/7/24 0:30		1	470	216448
1/7/24 1:00		1	470	216448
1/7/24 1:30		1	470	216448
1/7/24 2:00		1	470	216448
1/7/24 2:30		1	470	216448
1/7/24 3:00		1	470	216448
1/7/24 3:30		1	470	216448
1/7/24 4:00		1	470	216448
1/7/24 4:30		1	470	216448
1/7/24 5:00		1	470	216448
1/7/24 5:30		1	470	216448
1/7/24 6:00		1	470	216448
1/7/24 6:30		1	470	216448
1/7/24 7:00		1	470	216448
1/7/24 7:30		1	470	216448
1/7/24 8:00		1	470	216448
1/7/24 8:30		1	470	216448
1/7/24 9:00		1	470	216448
1/7/24 9:30		1	470	216448
1/7/24 10:00		1	470	216448

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
1/7/24 10:30		1	470	216448
1/7/24 11:00		1	470	216448
1/7/24 11:30		1	470	216448
1/7/24 12:00		1	470	216448
1/7/24 12:30		1	470	216448
1/7/24 13:00		1	470	216448
1/7/24 13:30		1	470	216448
1/7/24 14:00		-1	470	216448
1/7/24 14:30		-1	470	216448
1/7/24 15:00		-1	470	216448
1/7/24 15:30		-1	470	216448
1/7/24 16:00		-1	470	216448
1/7/24 16:30		-1	470	216448
1/7/24 17:00		-1	470	216448
1/7/24 17:30		-1	470	216448
1/7/24 18:00		-1	470	216448
1/7/24 18:30		-1	470	216448
1/7/24 19:00		-1	470	216448
1/7/24 19:30		-1	470	216448
1/7/24 20:00		-1	470	216448
1/7/24 20:30		-1	470	216448
1/7/24 21:00		-1	470	216448
1/7/24 21:30		-1	470	216448
1/7/24 22:00		-1	470	216448
1/7/24 22:30		-1	470	216448
1/7/24 23:00		-1	470	216448
1/7/24 23:30		-1	470	216448
1/8/24 0:00		-1	470	216448
1/8/24 0:30		-1	470	216448
1/8/24 1:00		-1	470	216448
1/8/24 1:30		-1	470	216448
1/8/24 2:00		-1	470	216448
1/8/24 2:30		-1	470	216448
1/8/24 3:00		-1	470	216448
1/8/24 3:30		-1	470	216448
1/8/24 4:00		-1	470	216448
1/8/24 4:30		-1	470	216448
1/8/24 5:00		-1	470	216448
1/8/24 5:30		-1	470	216448
1/8/24 6:00		1	470	216448
1/8/24 6:30		1	470	216448
1/8/24 7:00		1	470	216448
1/8/24 7:30		1	470	216448
1/8/24 8:00		1	470	216448
1/8/24 8:30		1	472	216448
1/8/24 9:00		1	473	216448
1/8/24 9:30		1	473	216448
1/8/24 10:00		1	474	216448
1/8/24 10:30		1	480	216448
1/8/24 11:00		1	470	216448
1/8/24 11:30		1	470	216448
1/8/24 12:00		1	470	216448
1/8/24 12:30		1	470	216448
1/8/24 13:00		1	470	216448
1/8/24 13:30		1	470	216448
1/8/24 14:00		1	470	216448
1/8/24 14:30		1	470	216448
1/8/24 15:00		1	470	216448
1/8/24 15:30		1	470	216448
1/8/24 16:00		1	470	216448
1/8/24 16:30		1	470	216448
1/8/24 17:00		1	470	216448

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
1/8/24 17:30		1	470	216448
1/8/24 18:00		1	470	216448
1/8/24 18:30		1	470	216448
1/8/24 19:00		1	470	216448
1/8/24 19:30		1	469	216448
1/8/24 20:00		1	470	216448
1/8/24 20:30		1	470	216448
1/8/24 21:00		1	470	216448
1/8/24 21:30		1	470	216448
1/8/24 22:00		1	470	216448
1/8/24 22:30		1	470	216448
1/8/24 23:00		1	470	216448
1/8/24 23:30		1	470	216448
1/9/24 0:00		1	470	216448
1/9/24 0:30		1	470	216448
1/9/24 1:00		1	470	216448
1/9/24 1:30		1	470	216448
1/9/24 2:00		1	472	216448
1/9/24 2:30		1	475	216448
1/9/24 3:00		1	473	216448
1/9/24 3:30		1	473	216448
1/9/24 4:00		1	473	216448
1/9/24 4:30		1	473	216448
1/9/24 5:00		1	472	216448
1/9/24 5:30		1	472	216448
1/9/24 6:00		1	473	216448
1/9/24 6:30		1	472	216448
1/9/24 7:00		1	472	216448
1/9/24 7:30		1	470	216448
1/9/24 8:00		1	468	216448
1/9/24 8:30		1	467	216448
1/9/24 9:00		1	467	216448
1/9/24 9:30		1	463	216448
1/9/24 10:00		1	460	216448
1/9/24 10:30		1	465	216448
1/9/24 11:00		1	471	216448
1/9/24 11:30		1	477	216448
1/9/24 12:00		1	471	216448
1/9/24 12:30		1	470	216448
1/9/24 13:00		1	470	216448
1/9/24 13:30		1	470	216448
1/9/24 14:00		1	470	216448
1/9/24 14:30		1	470	216448
1/9/24 15:00		1	470	216448
1/9/24 15:30		1	470	216448
1/9/24 16:00		1	470	216448
1/9/24 16:30		1	470	216448
1/9/24 17:00		1	470	216448
1/9/24 17:30		1	470	216448
1/9/24 18:00		1	470	216448
1/9/24 18:30		1	469	216448
1/9/24 19:00		-1	469	216448
1/9/24 19:30		-1	469	216448
1/9/24 20:00		-1	469	216448
1/9/24 20:30		-1	469	216448
1/9/24 21:00		-1	469	216448
1/9/24 21:30		-1	470	216448
1/9/24 22:00		-1	470	216448
1/9/24 22:30		-1	470	216448
1/9/24 23:00		-1	470	216448
1/9/24 23:30		-1	470	216448
1/10/24 0:00		-1	470	216448

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
1/10/24 0:30		-1	470	216448
1/10/24 1:00		-1	470	216448
1/10/24 1:30		-1	472	216448
1/10/24 2:00		-1	473	216448
1/10/24 2:30		-1	473	216448
1/10/24 3:00		-1	472	216448
1/10/24 3:30		-1	472	216448
1/10/24 4:00		-1	471	216448
1/10/24 4:30		-1	471	216448
1/10/24 5:00		-1	471	216448
1/10/24 5:30		-1	470	216448
1/10/24 6:00		-1	470	216448
1/10/24 6:30		-1	470	216448
1/10/24 7:00		-1	470	216448
1/10/24 7:30		-1	469	216448
1/10/24 8:00		-1	469	216448
1/10/24 8:30		-1	469	216448
1/10/24 9:00		-1	469	216448
1/10/24 9:30		1	470	216448
1/10/24 10:00		1	470	216448
1/10/24 10:30		1	471	216448
1/10/24 11:00		1	472	216448
1/10/24 11:30		1	476	216448
1/10/24 12:00		1	487	216448
1/10/24 12:30		1	486	216448
1/10/24 13:00		1	470	216448
1/10/24 13:30		1	470	216448
1/10/24 14:00		1	470	216448
1/10/24 14:30		1	470	216448
1/10/24 15:00		1	470	216448
1/10/24 15:30		1	470	216448
1/10/24 16:00		1	469	216448
1/10/24 16:30		1	469	216448
1/10/24 17:00		1	469	216448
1/10/24 17:30		1	469	216448
1/10/24 18:00		1	469	216448
1/10/24 18:30		1	470	216448
1/10/24 19:00		1	469	216448
1/10/24 19:30		1	469	216448
1/10/24 20:00		1	469	216448
1/10/24 20:30		1	469	216448
1/10/24 21:00		1	469	216448
1/10/24 21:30		1	469	216448
1/10/24 22:00		1	469	216448
1/10/24 22:30		1	469	216448
1/10/24 23:00		1	470	216448
1/10/24 23:30		1	470	216448
1/11/24 0:00		1	469	216448
1/11/24 0:30		1	469	216448
1/11/24 1:00		1	469	216448
1/11/24 1:30		1	469	216448
1/11/24 2:00		1	469	216448
1/11/24 2:30		1	469	216448
1/11/24 3:00		1	471	216448
1/11/24 3:30		1	474	216448
1/11/24 4:00		1	474	216448
1/11/24 4:30		1	473	216448
1/11/24 5:00		1	474	216448
1/11/24 5:30		1	474	216448
1/11/24 6:00		1	474	216448
1/11/24 6:30		1	475	216448
1/11/24 7:00		1	475	216448

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
1/11/24 7:30		1	475	216448
1/11/24 8:00		1	476	216448
1/11/24 8:30		1	476	216448
1/11/24 9:00		1	476	216448
1/11/24 9:30		1	476	216448
1/11/24 10:00		1	477	216448
1/11/24 10:30		1	477	216448
1/11/24 11:00		1	478	216448
1/11/24 11:30		1	478	216448
1/11/24 12:00		1	474	216448
1/11/24 12:30		1	471	216448
1/11/24 13:00		1	470	216448
1/11/24 13:30		1	470	216448
1/11/24 14:00		1	470	216448
1/11/24 14:30		-1	470	216448
1/11/24 15:00		-1	470	216448
1/11/24 15:30		-1	470	216448
1/11/24 16:00		-1	470	216448
1/11/24 16:30		-1	470	216448
1/11/24 17:00		-1	470	216448
1/11/24 17:30		-1	469	216448
1/11/24 18:00		-1	469	216448
1/11/24 18:30		-1	469	216448
1/11/24 19:00		-1	469	216448
1/11/24 19:30		-1	469	216448
1/11/24 20:00		-1	469	216448
1/11/24 20:30		-1	469	216448
1/11/24 21:00		-1	470	216448
1/11/24 21:30		-1	469	216448
1/11/24 22:00		-1	469	216448
1/11/24 22:30		-1	469	216448
1/11/24 23:00		-1	469	216448
1/11/24 23:30		-1	469	216448
1/12/24 0:00		-1	469	216448
1/12/24 0:30		-1	469	216448
1/12/24 1:00		-1	469	216448
1/12/24 1:30		-1	469	216448
1/12/24 2:00		-1	468	216448
1/12/24 2:30		-1	467	216448
1/12/24 3:00		-1	465	216448
1/12/24 3:30		-1	464	216448
1/12/24 4:00		-1	461	216448
1/12/24 4:30		-1	461	216448
1/12/24 5:00		-1	455	216448
1/12/24 5:30		-1	447	216448
1/12/24 6:00		-1	439	216448
1/12/24 6:30		-1	429	216448
1/12/24 7:00		-1	421	216448
1/12/24 7:30		-1	413	216448
1/12/24 8:00		-1	404	216448
1/12/24 8:30		-1	397	216448
1/12/24 9:00		-1	393	216448
1/12/24 9:30		-1	394	216448
1/12/24 10:00		-1	398	216448
1/12/24 10:30		-1	411	216448
1/12/24 11:00		-1	429	216448
1/12/24 11:30		1	446	216448
1/12/24 12:00		1	466	216448
1/12/24 12:30		-1	523	216448
1/12/24 13:00		-1	577	216448
1/12/24 13:30		-1	519	216448
1/12/24 14:00		-1	426	216448

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
1/12/24 14:30		-1	468	216448
1/12/24 15:00		-1	469	216448
1/12/24 15:30		-1	469	216448
1/12/24 16:00		-1	469	216448
1/12/24 16:30		-1	469	216448
1/12/24 17:00		-1	469	216448
1/12/24 17:30		-1	469	216448
1/12/24 18:00		-1	469	216448
1/12/24 18:30		-1	469	216448
1/12/24 19:00		-1	469	216448
1/12/24 19:30		-1	469	216448
1/12/24 20:00		-1	469	216448
1/12/24 20:30		-1	469	216448
1/12/24 21:00		-1	469	216448
1/12/24 21:30		-1	469	216448
1/12/24 22:00		-1	469	216448
1/12/24 22:30		-1	469	216448
1/12/24 23:00		-1	469	216448
1/12/24 23:30		-1	469	216448
1/13/24 0:00		-1	469	216448
1/13/24 0:30		-1	469	216448
1/13/24 1:00		-1	469	216448
1/13/24 1:30		-1	469	216448
1/13/24 2:00		-1	469	216448
1/13/24 2:30		-1	469	216448
1/13/24 3:00		-1	469	216448
1/13/24 3:30		-1	469	216448
1/13/24 4:00		-1	469	216448
1/13/24 4:30		-1	469	216448
1/13/24 5:00		-1	468	216448
1/13/24 5:30		-1	469	216448
1/13/24 6:00		-1	469	216448
1/13/24 6:30		-1	469	216448
1/13/24 7:00		-1	469	216448
1/13/24 7:30		-1	468	216448
1/13/24 8:00		-1	469	216448
1/13/24 8:30		-1	468	216448
1/13/24 9:00		-1	467	216448
1/13/24 9:30		-1	466	216448
1/13/24 10:00		-1	467	216448
1/13/24 10:30		-1	476	216448
1/13/24 11:00		1	476	216448
1/13/24 11:30		-1	498	216448
1/13/24 12:00		-1	505	216448
1/13/24 12:30		-1	470	216448
1/13/24 13:00		-1	470	216448
1/13/24 13:30		-1	470	216448
1/13/24 14:00		-1	469	216448
1/13/24 14:30		-1	469	216448
1/13/24 15:00		-1	469	216448
1/13/24 15:30		-1	469	216448
1/13/24 16:00		-1	469	216448
1/13/24 16:30		-1	469	216448
1/13/24 17:00		-1	469	216448
1/13/24 17:30		-1	469	216448
1/13/24 18:00		-1	469	216448
1/13/24 18:30		-1	469	216448
1/13/24 19:00		-1	469	216448
1/13/24 19:30		-1	469	216448
1/13/24 20:00		-1	469	216448
1/13/24 20:30		-1	469	216448
1/13/24 21:00		-1	469	216448

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
1/13/24 21:30		-1	469	216448
1/13/24 22:00		-1	469	216448
1/13/24 22:30		-1	469	216448
1/13/24 23:00		-1	469	216448
1/13/24 23:30		-1	469	216448
1/14/24 0:00		-1	469	216448
1/14/24 0:30		-1	469	216448
1/14/24 1:00		-1	469	216448
1/14/24 1:30		-1	469	216448
1/14/24 2:00		-1	469	216448
1/14/24 2:30		-1	469	216448
1/14/24 3:00		-1	469	216448
1/14/24 3:30		-1	469	216448
1/14/24 4:00		-1	469	216448
1/14/24 4:30		-1	469	216448
1/14/24 5:00		-1	469	216448
1/14/24 5:30		-1	469	216448
1/14/24 6:00		-1	469	216448
1/14/24 6:30		-1	469	216448
1/14/24 7:00		-1	469	216448
1/14/24 7:30		-1	469	216448
1/14/24 8:00		-1	469	216448
1/14/24 8:30		-1	469	216448
1/14/24 9:00		-1	469	216448
1/14/24 9:30		-1	469	216448
1/14/24 10:00		-1	469	216448
1/14/24 10:30		-1	469	216448
1/14/24 11:00		-1	469	216448
1/14/24 11:30		-1	470	216448
1/14/24 12:00		-1	470	216448
1/14/24 12:30		-1	470	216448
1/14/24 13:00		-1	470	216448
1/14/24 13:30		-1	469	216448
1/14/24 14:00		-1	469	216448
1/14/24 14:30		-1	469	216448
1/14/24 15:00		-1	469	216448
1/14/24 15:30		-1	469	216448
1/14/24 16:00		-1	469	216448
1/14/24 16:30		-1	469	216448
1/14/24 17:00		-1	469	216448
1/14/24 17:30		-1	469	216448
1/14/24 18:00		-1	469	216448
1/14/24 18:30		-1	469	216448
1/14/24 19:00		-1	469	216448
1/14/24 19:30		-1	469	216448
1/14/24 20:00		-1	469	216448
1/14/24 20:30		-1	469	216448
1/14/24 21:00		-1	469	216448
1/14/24 21:30		-1	469	216448
1/14/24 22:00		-1	469	216448
1/14/24 22:30		-1	469	216448
1/14/24 23:00		-1	469	216448
1/14/24 23:30		-1	469	216448
1/15/24 0:00		-1	469	216448
1/15/24 0:30		-1	469	216448
1/15/24 1:00		-1	469	216448
1/15/24 1:30		-1	469	216448
1/15/24 2:00		-1	469	216448
1/15/24 2:30		-1	469	216448
1/15/24 3:00		-1	469	216448
1/15/24 3:30		-1	469	216448
1/15/24 4:00		-1	469	216448

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
1/15/24 4:30		-1	469	216448
1/15/24 5:00		-1	469	216448
1/15/24 5:30		-1	469	216448
1/15/24 6:00		-1	469	216448
1/15/24 6:30		-1	468	216448
1/15/24 7:00		-1	469	216448
1/15/24 7:30		-1	469	216448
1/15/24 8:00		-1	469	216448
1/15/24 8:30		-1	469	216448
1/15/24 9:00		-1	468	216448
1/15/24 9:30		-1	469	216448
1/15/24 10:00		-1	469	216448
1/15/24 10:30		-1	469	216448
1/15/24 11:00		-1	469	216448
1/15/24 11:30		-1	469	216448
1/15/24 12:00		-1	469	216448
1/15/24 12:30		-1	469	216448
1/15/24 13:00		-1	469	216448
1/15/24 13:30		-1	469	216448
1/15/24 14:00		-1	469	216448
1/15/24 14:30		-1	469	216448
1/15/24 15:00		-1	469	216448
1/15/24 15:30		-1	469	216448
1/15/24 16:00		-1	469	216448
1/15/24 16:30		-1	469	216448
1/15/24 17:00		-1	469	216448
1/15/24 17:30		-1	469	216448
1/15/24 18:00		-1	469	216448
1/15/24 18:30		-1	469	216448
1/15/24 19:00		-1	468	216448
1/15/24 19:30		-1	468	216448
1/15/24 20:00		-1	468	216448
1/15/24 20:30		-1	468	216448
1/15/24 21:00		-1	469	216448
1/15/24 21:30		-1	469	216448
1/15/24 22:00		-1	469	216448
1/15/24 22:30		-1	469	216448
1/15/24 23:00		-1	469	216448
1/15/24 23:30		-1	469	216448
1/16/24 0:00		-1	468	216448
1/16/24 0:30		-1	468	216448
1/16/24 1:00		-1	468	216448
1/16/24 1:30		-1	468	216448
1/16/24 2:00		-1	468	216448
1/16/24 2:30		-1	468	216448
1/16/24 3:00		-1	468	216448
1/16/24 3:30		-1	468	216448
1/16/24 4:00		-1	468	216448
1/16/24 4:30		-1	468	216448
1/16/24 5:00		-1	468	216448
1/16/24 5:30		-1	468	216448
1/16/24 6:00		-1	468	216448
1/16/24 6:30		-1	468	216448
1/16/24 7:00		-1	468	216448
1/16/24 7:30		-1	468	216448
1/16/24 8:00		-1	468	216448
1/16/24 8:30		-1	468	216448
1/16/24 9:00		-1	468	216448
1/16/24 9:30		-1	468	216448
1/16/24 10:00		-1	469	216448
1/16/24 10:30		-1	469	216448
1/16/24 11:00		-1	469	216448



Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
1/16/24 11:30		-1	469	216448
1/16/24 12:00		-1	469	216448
1/16/24 12:30		-1	469	216448
1/16/24 13:00		-1	469	216448
1/16/24 13:30		-1	469	216448
1/16/24 14:00		-1	469	216448
1/16/24 14:30		-1	469	216448
1/16/24 15:00		-1	469	216448
1/16/24 15:30		-1	468	216448
1/16/24 16:00		-1	469	216448
1/16/24 16:30		-1	468	216448
1/16/24 17:00		-1	468	216448
1/16/24 17:30		-1	468	216448
1/16/24 18:00		-1	468	216448
1/16/24 18:30		-1	468	216448
1/16/24 19:00		-1	468	216448
1/16/24 19:30		-1	468	216448
1/16/24 20:00		-1	468	216448
1/16/24 20:30		-1	468	216448
1/16/24 21:00		-1	468	216448
1/16/24 21:30		-1	468	216448
1/16/24 22:00		-1	468	216448
1/16/24 22:30		-1	468	216448
1/16/24 23:00		-1	468	216448
1/16/24 23:30		-1	468	216448
1/17/24 0:00		-1	468	216448
1/17/24 0:30		-1	468	216448
1/17/24 1:00		-1	468	216448
1/17/24 1:30		-1	468	216448
1/17/24 2:00		-1	468	216448
1/17/24 2:30		-1	468	216448
1/17/24 3:00		-1	468	216448
1/17/24 3:30		-1	468	216448
1/17/24 4:00		-1	468	216448
1/17/24 4:30		-1	468	216448
1/17/24 5:00		-1	468	216448
1/17/24 5:30		-1	468	216448
1/17/24 6:00		-1	468	216448
1/17/24 6:30		-1	468	216448
1/17/24 7:00		-1	468	216448
1/17/24 7:30		-1	468	216448
1/17/24 8:00		-1	468	216448
1/17/24 8:30		-1	468	216448
1/17/24 9:00		-1	468	216448
1/17/24 9:30		-1	468	216448
1/17/24 10:00		-1	468	216448
1/17/24 10:30		-1	469	216448
1/17/24 11:00		-1	469	216448
1/17/24 11:30		-1	469	216448
1/17/24 12:00		-1	469	216448
1/17/24 12:30		-1	469	216448
1/17/24 13:00		-1	469	216448
1/17/24 13:30		-1	469	216448
1/17/24 14:00		-1	468	216448
1/17/24 14:30		-1	468	216448
1/17/24 15:00		-1	468	216448
1/17/24 15:30		-1	468	216448
1/17/24 16:00		-1	469	216448
1/17/24 16:30		-1	468	216448
1/17/24 17:00		-1	468	216448
1/17/24 17:30		-1	468	216448
1/17/24 18:00		-1	468	216448

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
1/17/24 18:30		-1	468	216448
1/17/24 19:00		-1	468	216448
1/17/24 19:30		-1	468	216448
1/17/24 20:00		-1	468	216448
1/17/24 20:30		-1	468	216448
1/17/24 21:00		-1	468	216448
1/17/24 21:30		-1	468	216448
1/17/24 22:00		-1	468	216448
1/17/24 22:30		-1	468	216448
1/17/24 23:00		-1	468	216448
1/17/24 23:30		-1	468	216448
1/18/24 0:00		-1	468	216448
1/18/24 0:30		-1	468	216448
1/18/24 1:00		-1	468	216448
1/18/24 1:30		-1	468	216448
1/18/24 2:00		-1	468	216448
1/18/24 2:30		-1	468	216448
1/18/24 3:00		-1	468	216448
1/18/24 3:30		-1	468	216448
1/18/24 4:00		-1	468	216448
1/18/24 4:30		-1	468	216448
1/18/24 5:00		-1	468	216448
1/18/24 5:30		-1	468	216448
1/18/24 6:00		-1	468	216448
1/18/24 6:30		-1	468	216448
1/18/24 7:00		-1	468	216448
1/18/24 7:30		-1	468	216448
1/18/24 8:00		-1	468	216448
1/18/24 8:30		-1	468	216448
1/18/24 9:00		-1	468	216448
1/18/24 9:30		-1	468	216448
1/18/24 10:00		-1	468	216448
1/18/24 10:30		-1	468	216448
1/18/24 11:00		-1	469	216448
1/18/24 11:30		-1	469	216448
1/18/24 12:00		-1	469	216448
1/18/24 12:30		-1	469	216448
1/18/24 13:00		-1	468	216448
1/18/24 13:30		-1	468	216448
1/18/24 14:00		-1	468	216448
1/18/24 14:30		-1	468	216448
1/18/24 15:00		-1	468	216448
1/18/24 15:30		-1	468	216448
1/18/24 16:00		-1	468	216448
1/18/24 16:30		-1	468	216448
1/18/24 17:00		-1	468	216448
1/18/24 17:30		-1	468	216448
1/18/24 18:00		-1	468	216448
1/18/24 18:30		-1	468	216448
1/18/24 19:00		-1	468	216448
1/18/24 19:30		-1	468	216448
1/18/24 20:00		-1	468	216448
1/18/24 20:30		-1	468	216448
1/18/24 21:00		-1	468	216448
1/18/24 21:30		-1	468	216448
1/18/24 22:00		-1	468	216448
1/18/24 22:30		-1	468	216448
1/18/24 23:00		-1	468	216448
1/18/24 23:30		-1	468	216448
1/19/24 0:00		-1	468	216448
1/19/24 0:30		-1	468	216448
1/19/24 1:00		-1	468	216448

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
1/19/24 1:30		-1	468	216448
1/19/24 2:00		-1	468	216448
1/19/24 2:30		-1	468	216448
1/19/24 3:00		-1	468	216448
1/19/24 3:30		-1	468	216448
1/19/24 4:00		-1	468	216448
1/19/24 4:30		-1	468	216448
1/19/24 5:00		-1	468	216448
1/19/24 5:30		-1	468	216448
1/19/24 6:00		-1	468	216448
1/19/24 6:30		-1	468	216448
1/19/24 7:00		-1	468	216448
1/19/24 7:30		-1	468	216448
1/19/24 8:00		-1	468	216448
1/19/24 8:30		-1	468	216448
1/19/24 9:00		-1	468	216448
1/19/24 9:30		-1	468	216448
1/19/24 10:00		-1	468	216448
1/19/24 10:30		-1	468	216448
1/19/24 11:00		-1	468	216448
1/19/24 11:30		-1	468	216448
1/19/24 12:00		-1	468	216448
1/19/24 12:30		-1	468	216448
1/19/24 13:00		-1	468	216448
1/19/24 13:30		-1	468	216448
1/19/24 14:00		-1	468	216448
1/19/24 14:30		-1	468	216448
1/19/24 15:00		-1	468	216448
1/19/24 15:30		-1	468	216448
1/19/24 16:00		-1	468	216448
1/19/24 16:30		-1	468	216448
1/19/24 17:00		-1	468	216448
1/19/24 17:30		-1	468	216448
1/19/24 18:00		-1	467	216448
1/19/24 18:30		-1	467	216448
1/19/24 19:00		-1	468	216448
1/19/24 19:30		-1	468	216448
1/19/24 20:00		-1	468	216448
1/19/24 20:30		-1	468	216448
1/19/24 21:00		-1	468	216448
1/19/24 21:30		-1	468	216448
1/19/24 22:00		-1	468	216448
1/19/24 22:30		-1	468	216448
1/19/24 23:00		-1	468	216448
1/19/24 23:30		-1	468	216448
1/20/24 0:00		-1	468	216448
1/20/24 0:30		-1	468	216448
1/20/24 1:00		-1	468	216448
1/20/24 1:30		-1	468	216448
1/20/24 2:00		-1	468	216448
1/20/24 2:30		-1	468	216448
1/20/24 3:00		-1	468	216448
1/20/24 3:30		-1	468	216448
1/20/24 4:00		-1	468	216448
1/20/24 4:30		-1	468	216448
1/20/24 5:00		-1	468	216448
1/20/24 5:30		-1	468	216448
1/20/24 6:00		-1	468	216448
1/20/24 6:30		-1	468	216448
1/20/24 7:00		-1	468	216448
1/20/24 7:30		-1	468	216448
1/20/24 8:00		-1	468	216448

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
1/20/24 8:30		-1	468	216448
1/20/24 9:00		-1	468	216448
1/20/24 9:30		-1	468	216448
1/20/24 10:00		-1	468	216448
1/20/24 10:30		-1	468	216448
1/20/24 11:00		-1	468	216448
1/20/24 11:30		-1	468	216448
1/20/24 12:00		-1	468	216448
1/20/24 12:30		-1	468	216448
1/20/24 13:00		-1	468	216448
1/20/24 13:30		-1	468	216448
1/20/24 14:00		-1	468	216448
1/20/24 14:30		-1	468	216448
1/20/24 15:00		-1	468	216448
1/20/24 15:30		-1	468	216448
1/20/24 16:00		-1	468	216448
1/20/24 16:30		-1	468	216448
1/20/24 17:00		-1	468	216448
1/20/24 17:30		-1	468	216448
1/20/24 18:00		-1	468	216448
1/20/24 18:30		-1	468	216448
1/20/24 19:00		-1	468	216448
1/20/24 19:30		-1	468	216448
1/20/24 20:00		-1	468	216448
1/20/24 20:30		-1	468	216448
1/20/24 21:00		-1	468	216448
1/20/24 21:30		-1	468	216448
1/20/24 22:00		-1	468	216448
1/20/24 22:30		-1	468	216448
1/20/24 23:00		-1	468	216448
1/20/24 23:30		-1	468	216448
1/21/24 0:00		-1	468	216448
1/21/24 0:30		-1	468	216448
1/21/24 1:00		-1	468	216448
1/21/24 1:30		-1	468	216448
1/21/24 2:00		-1	468	216448
1/21/24 2:30		-1	468	216448
1/21/24 3:00		-1	468	216448
1/21/24 3:30		-1	468	216448
1/21/24 4:00		-1	468	216448
1/21/24 4:30		-1	468	216448
1/21/24 5:00		-1	468	216448
1/21/24 5:30		-1	468	216448
1/21/24 6:00		-1	468	216448
1/21/24 6:30		-1	468	216448
1/21/24 7:00		-1	468	216448
1/21/24 7:30		-1	468	216448
1/21/24 8:00		-1	468	216448
1/21/24 8:30		-1	468	216448
1/21/24 9:00		-1	468	216448
1/21/24 9:30		-1	468	216448
1/21/24 10:00		-1	468	216448
1/21/24 10:30		-1	468	216448
1/21/24 11:00		-1	468	216448
1/21/24 11:30		-1	468	216448
1/21/24 12:00		-1	468	216448
1/21/24 12:30		-1	468	216448
1/21/24 13:00		-1	468	216448
1/21/24 13:30		-1	468	216448
1/21/24 14:00		-1	468	216448
1/21/24 14:30		-1	468	216448
1/21/24 15:00		-1	468	216448

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
1/21/24 15:30		-1	468	216448
1/21/24 16:00		-1	468	216448
1/21/24 16:30		-1	468	216448
1/21/24 17:00		-1	468	216448
1/21/24 17:30		-1	468	216448
1/21/24 18:00		-1	468	216448
1/21/24 18:30		-1	467	216448
1/21/24 19:00		-1	467	216448
1/21/24 19:30		-1	467	216448
1/21/24 20:00		-1	467	216448
1/21/24 20:30		-1	467	216448
1/21/24 21:00		-1	468	216448
1/21/24 21:30		-1	467	216448
1/21/24 22:00		-1	467	216448
1/21/24 22:30		-1	467	216448
1/21/24 23:00		-1	467	216448
1/21/24 23:30		-1	467	216448
1/22/24 0:00		-1	467	216448
1/22/24 0:30		-1	467	216448
1/22/24 1:00		-1	467	216448
1/22/24 1:30		-1	467	216448
1/22/24 2:00		-1	467	216448
1/22/24 2:30		-1	467	216448
1/22/24 3:00		-1	467	216448
1/22/24 3:30		-1	467	216448
1/22/24 4:00		-1	467	216448
1/22/24 4:30		-1	468	216448
1/22/24 5:00		-1	468	216448
1/22/24 5:30		-1	468	216448
1/22/24 6:00		-1	468	216448
1/22/24 6:30		-1	468	216448
1/22/24 7:00		-1	468	216448
1/22/24 7:30		-1	468	216448
1/22/24 8:00		-1	468	216448
1/22/24 8:30		-1	468	216448
1/22/24 9:00		-1	468	216448
1/22/24 9:30		-1	468	216448
1/22/24 10:00		-1	468	216448
1/22/24 10:30		-1	468	216448
1/22/24 11:00		-1	468	216448
1/22/24 11:30		-1	468	216448
1/22/24 12:00		-1	468	216448
1/22/24 12:30		-1	467	216448
1/22/24 13:00		-1	467	216448
1/22/24 13:30		-1	467	216448
1/22/24 14:00		-1	467	216448
1/22/24 14:30		-1	468	216448
1/22/24 15:00		-1	468	216448
1/22/24 15:30		-1	468	216448
1/22/24 16:00		-1	468	216448
1/22/24 16:30		-1	467	216448
1/22/24 17:00		-1	467	216448
1/22/24 17:30		-1	467	216448
1/22/24 18:00		-1	467	216448
1/22/24 18:30		-1	468	216448
1/22/24 19:00		-1	467	216448
1/22/24 19:30		-1	467	216448
1/22/24 20:00		-1	467	216448
1/22/24 20:30		-1	467	216448
1/22/24 21:00		-1	467	216448
1/22/24 21:30		-1	467	216448
1/22/24 22:00		-1	467	216448

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
1/22/24 22:30		-1	467	216448
1/22/24 23:00		-1	467	216448
1/22/24 23:30		-1	467	216448
1/23/24 0:00		-1	467	216448
1/23/24 0:30		-1	467	216448
1/23/24 1:00		-1	467	216448
1/23/24 1:30		-1	467	216448
1/23/24 2:00		-1	467	216448
1/23/24 2:30		-1	467	216448
1/23/24 3:00		-1	467	216448
1/23/24 3:30		-1	467	216448
1/23/24 4:00		-1	467	216448
1/23/24 4:30		-1	467	216448
1/23/24 5:00		-1	467	216448
1/23/24 5:30		-1	467	216448
1/23/24 6:00		-1	467	216448
1/23/24 6:30		-1	467	216448
1/23/24 7:00		-1	467	216448
1/23/24 7:30		-1	467	216448
1/23/24 8:00		-1	467	216448
1/23/24 8:30		-1	467	216448
1/23/24 9:00		-1	467	216448
1/23/24 9:30		-1	467	216448
1/23/24 10:00	36	-3	701	216463
1/23/24 10:30	35	-2	789	216489
1/23/24 11:00	36	-2	832	216516
1/23/24 11:30	39	-2	870	216543
1/23/24 12:00	40	-2	899	216570
1/23/24 12:30	36	-1	924	216597
1/23/24 13:00	39	-1	943	216624
1/23/24 13:30	39	-1	958	216651
1/23/24 14:00		-1	779	216680
1/23/24 14:30		-1	674	216680
1/23/24 15:00		-1	628	216680
1/23/24 15:30		-1	601	216680
1/23/24 16:00		-1	582	216680
1/23/24 16:30		-1	569	216680
1/23/24 17:00		-1	558	216680
1/23/24 17:30		-1	550	216680
1/23/24 18:00		-1	543	216680
1/23/24 18:30		-1	537	216680
1/23/24 19:00		-1	533	216680
1/23/24 19:30		-1	529	216680
1/23/24 20:00		-1	525	216680
1/23/24 20:30		-1	522	216680
1/23/24 21:00		-1	520	216680
1/23/24 21:30		-1	517	216680
1/23/24 22:00		-1	515	216680
1/23/24 22:30		-1	513	216680
1/23/24 23:00		-1	512	216680
1/23/24 23:30		-1	510	216680
1/24/24 0:00		-1	509	216680
1/24/24 0:30		-1	507	216680
1/24/24 1:00		-1	506	216680
1/24/24 1:30		-1	505	216680
1/24/24 2:00		-1	504	216680
1/24/24 2:30		-1	503	216680
1/24/24 3:00		-1	502	216680
1/24/24 3:30		-1	501	216680
1/24/24 4:00		-1	500	216680
1/24/24 4:30		-1	500	216680
1/24/24 5:00		-1	499	216680

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
1/24/24 5:30		-1	498	216680
1/24/24 6:00		-1	498	216680
1/24/24 6:30		-1	497	216680
1/24/24 7:00		-1	496	216680
1/24/24 7:30		-1	496	216680
1/24/24 8:00		-1	495	216680
1/24/24 8:30		-1	495	216680
1/24/24 9:00		-1	495	216680
1/24/24 9:30		-1	494	216680
1/24/24 10:00		-1	493	216680
1/24/24 10:30		-1	493	216680
1/24/24 11:00		-1	493	216680
1/24/24 11:30		-1	492	216680
1/24/24 12:00		-1	492	216680
1/24/24 12:30		-1	492	216680
1/24/24 13:00		-1	491	216680
1/24/24 13:30		-1	490	216680
1/24/24 14:00		-1	490	216680
1/24/24 14:30		-1	491	216680
1/24/24 15:00		-1	491	216680
1/24/24 15:30		-1	489	216680
1/24/24 16:00		-1	489	216680
1/24/24 16:30		-1	489	216680
1/24/24 17:00		-1	488	216680
1/24/24 17:30		-1	488	216680
1/24/24 18:00		-1	488	216680
1/24/24 18:30		-1	488	216680
1/24/24 19:00		-1	487	216680
1/24/24 19:30		-1	487	216680
1/24/24 20:00		-1	487	216680
1/24/24 20:30		-1	487	216680
1/24/24 21:00		-1	487	216680
1/24/24 21:30		-1	486	216680
1/24/24 22:00		-1	486	216680
1/24/24 22:30		-1	486	216680
1/24/24 23:00		-1	486	216680
1/24/24 23:30		-1	486	216680
1/25/24 0:00		-1	485	216680
1/25/24 0:30		-1	485	216680
1/25/24 1:00		-1	485	216680
1/25/24 1:30		-1	485	216680
1/25/24 2:00		-1	485	216680
1/25/24 2:30		-1	485	216680
1/25/24 3:00		-1	484	216680
1/25/24 3:30		-1	484	216680
1/25/24 4:00		-1	484	216680
1/25/24 4:30		-1	484	216680
1/25/24 5:00		-1	484	216680
1/25/24 5:30		-1	484	216680
1/25/24 6:00		-1	484	216680
1/25/24 6:30		-1	483	216680
1/25/24 7:00		-1	483	216680
1/25/24 7:30		-1	483	216680
1/25/24 8:00		-1	483	216680
1/25/24 8:30		-1	483	216680
1/25/24 9:00		-1	483	216680
1/25/24 9:30		-1	483	216680
1/25/24 10:00		-1	483	216680
1/25/24 10:30		-1	483	216680
1/25/24 11:00		-1	483	216680
1/25/24 11:30		-1	482	216680
1/25/24 12:00		-1	482	216680

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
1/25/24 12:30		-1	482	216680
1/25/24 13:00		-1	482	216680
1/25/24 13:30		-1	482	216680
1/25/24 14:00		-1	482	216680
1/25/24 14:30		-1	482	216680
1/25/24 15:00		-1	482	216680
1/25/24 15:30		-1	482	216680
1/25/24 16:00		-1	481	216680
1/25/24 16:30		-1	481	216680
1/25/24 17:00		-1	481	216680
1/25/24 17:30		-1	481	216680
1/25/24 18:00		-1	481	216680
1/25/24 18:30		-1	481	216680
1/25/24 19:00		-1	481	216680
1/25/24 19:30		-1	481	216680
1/25/24 20:00		-1	481	216680
1/25/24 20:30		-1	480	216680
1/25/24 21:00		-1	480	216680
1/25/24 21:30		-1	480	216680
1/25/24 22:00		-1	480	216680
1/25/24 22:30		-1	480	216680
1/25/24 23:00		-1	480	216680
1/25/24 23:30		-1	480	216680
1/26/24 0:00		-1	480	216680
1/26/24 0:30		-1	480	216680
1/26/24 1:00		-1	480	216680
1/26/24 1:30		-1	480	216680
1/26/24 2:00		-1	480	216680
1/26/24 2:30		-1	480	216680
1/26/24 3:00		-1	480	216680
1/26/24 3:30		-1	480	216680
1/26/24 4:00		-1	479	216680
1/26/24 4:30		-1	479	216680
1/26/24 5:00		-1	479	216680
1/26/24 5:30		-1	479	216680
1/26/24 6:00		-1	479	216680
1/26/24 6:30		-1	479	216680
1/26/24 7:00		-1	479	216680
1/26/24 7:30		-1	479	216680
1/26/24 8:00		-1	479	216680
1/26/24 8:30		-1	479	216680
1/26/24 9:00		-1	479	216680
1/26/24 9:30		-1	479	216680
1/26/24 10:00		-1	479	216680
1/26/24 10:30		-1	479	216680
1/26/24 11:00		-1	479	216680
1/26/24 11:30		-1	479	216680
1/26/24 12:00		-1	479	216680
1/26/24 12:30		-1	479	216680
1/26/24 13:00		-1	479	216680
1/26/24 13:30		-1	478	216680
1/26/24 14:00		-1	478	216680
1/26/24 14:30		-1	478	216680
1/26/24 15:00		-1	479	216680
1/26/24 15:30		-1	478	216680
1/26/24 16:00		-1	478	216680
1/26/24 16:30		-1	478	216680
1/26/24 17:00		-1	478	216680
1/26/24 17:30		-1	478	216680
1/26/24 18:00		-1	478	216680
1/26/24 18:30		-1	478	216680
1/26/24 19:00		-1	477	216680



Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
1/26/24 19:30		-1	477	216680
1/26/24 20:00		-1	477	216680
1/26/24 20:30		-1	477	216680
1/26/24 21:00		-1	477	216680
1/26/24 21:30		-1	477	216680
1/26/24 22:00		-1	477	216680
1/26/24 22:30		-1	477	216680
1/26/24 23:00		-1	477	216680
1/26/24 23:30		-1	477	216680
1/27/24 0:00		-1	477	216680
1/27/24 0:30		-1	477	216680
1/27/24 1:00		-1	477	216680
1/27/24 1:30		-1	477	216680
1/27/24 2:00		-1	477	216680
1/27/24 2:30		-1	477	216680
1/27/24 3:00		-1	477	216680
1/27/24 3:30		-1	477	216680
1/27/24 4:00		-1	477	216680
1/27/24 4:30		-1	477	216680
1/27/24 5:00		-1	477	216680
1/27/24 5:30		-1	477	216680
1/27/24 6:00		-1	476	216680
1/27/24 6:30		-1	476	216680
1/27/24 7:00		-1	476	216680
1/27/24 7:30		-1	476	216680
1/27/24 8:00		-1	476	216680
1/27/24 8:30		-1	476	216680
1/27/24 9:00		-1	476	216680
1/27/24 9:30		-1	476	216680
1/27/24 10:00		-1	477	216680
1/27/24 10:30		-1	477	216680
1/27/24 11:00		-1	477	216680
1/27/24 11:30		-1	477	216680
1/27/24 12:00		-1	477	216680
1/27/24 12:30		-1	476	216680
1/27/24 13:00		-1	476	216680
1/27/24 13:30		-1	476	216680
1/27/24 14:00		-1	476	216680
1/27/24 14:30		-1	476	216680
1/27/24 15:00		-1	476	216680
1/27/24 15:30		-1	476	216680
1/27/24 16:00		-1	476	216680
1/27/24 16:30		-1	476	216680
1/27/24 17:00		-1	476	216680
1/27/24 17:30		-1	476	216680
1/27/24 18:00		-1	476	216680
1/27/24 18:30		-1	476	216680
1/27/24 19:00		-1	475	216680
1/27/24 19:30		-1	475	216680
1/27/24 20:00		-1	475	216680
1/27/24 20:30		-1	475	216680
1/27/24 21:00		-1	476	216680
1/27/24 21:30		-1	476	216680
1/27/24 22:00		-1	476	216680
1/27/24 22:30		-1	476	216680
1/27/24 23:00		-1	476	216680
1/27/24 23:30		-1	475	216680
1/28/24 0:00		-1	475	216680
1/28/24 0:30		-1	475	216680
1/28/24 1:00		-1	475	216680
1/28/24 1:30		-1	475	216680
1/28/24 2:00		-1	475	216680

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
1/28/24 2:30		-1	475	216680
1/28/24 3:00		-1	475	216680
1/28/24 3:30		-1	475	216680
1/28/24 4:00		-1	475	216680
1/28/24 4:30		-1	475	216680
1/28/24 5:00		-1	475	216680
1/28/24 5:30		-1	475	216680
1/28/24 6:00		-1	475	216680
1/28/24 6:30		-1	475	216680
1/28/24 7:00		-1	475	216680
1/28/24 7:30		-1	475	216680
1/28/24 8:00		-1	475	216680
1/28/24 8:30		-1	475	216680
1/28/24 9:00		-1	475	216680
1/28/24 9:30		-1	475	216680
1/28/24 10:00		-1	475	216680
1/28/24 10:30		-1	475	216680
1/28/24 11:00		-1	475	216680
1/28/24 11:30		-1	475	216680
1/28/24 12:00		-1	475	216680
1/28/24 12:30		-1	475	216680
1/28/24 13:00		-1	475	216680
1/28/24 13:30		-1	475	216680
1/28/24 14:00		-1	475	216680
1/28/24 14:30		-1	475	216680
1/28/24 15:00		-1	475	216680
1/28/24 15:30		-1	475	216680
1/28/24 16:00		-1	475	216680
1/28/24 16:30		-1	475	216680
1/28/24 17:00		-1	474	216680
1/28/24 17:30		-1	474	216680
1/28/24 18:00		-1	474	216680
1/28/24 18:30		-1	474	216680
1/28/24 19:00		-1	474	216680
1/28/24 19:30		-1	474	216680
1/28/24 20:00		-1	474	216680
1/28/24 20:30		-1	474	216680
1/28/24 21:00		-1	474	216680
1/28/24 21:30		-1	474	216680
1/28/24 22:00		-1	474	216680
1/28/24 22:30		-1	474	216680
1/28/24 23:00		-1	474	216680
1/28/24 23:30		-1	474	216680
1/29/24 0:00		-1	474	216680
1/29/24 0:30		-1	474	216680
1/29/24 1:00		-1	474	216680
1/29/24 1:30		-1	474	216680
1/29/24 2:00		-1	474	216680
1/29/24 2:30		-1	474	216680
1/29/24 3:00		-1	474	216680
1/29/24 3:30		-1	474	216680
1/29/24 4:00		-1	474	216680
1/29/24 4:30		-1	474	216680
1/29/24 5:00		-1	474	216680
1/29/24 5:30		-1	474	216680
1/29/24 6:00		-1	474	216680
1/29/24 6:30		-1	474	216680
1/29/24 7:00		-1	474	216680
1/29/24 7:30		-1	474	216680
1/29/24 8:00		-1	474	216680
1/29/24 8:30		-1	474	216680
1/29/24 9:00		-1	474	216680

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
1/29/24 9:30		-1	474	216680
1/29/24 10:00		-1	474	216680
1/29/24 10:30		-1	474	216680
1/29/24 11:00		-1	474	216680
1/29/24 11:30		-1	474	216680
1/29/24 12:00		-1	474	216680
1/29/24 12:30		-1	474	216680
1/29/24 13:00		-1	474	216680
1/29/24 13:30		-1	474	216680
1/29/24 14:00		-1	474	216680
1/29/24 14:30		-1	474	216680
1/29/24 15:00		-1	474	216680
1/29/24 15:30		-1	474	216680
1/29/24 16:00		-1	474	216680
1/29/24 16:30		-1	474	216680
1/29/24 17:00		-1	474	216680
1/29/24 17:30		-1	473	216680
1/29/24 18:00		-1	473	216680
1/29/24 18:30		-1	473	216680
1/29/24 19:00		-1	473	216680
1/29/24 19:30		-1	473	216680
1/29/24 20:00		-1	473	216680
1/29/24 20:30		-1	473	216680
1/29/24 21:00		-1	473	216680
1/29/24 21:30		-1	473	216680
1/29/24 22:00		-1	473	216680
1/29/24 22:30		-1	473	216680
1/29/24 23:00		-1	473	216680
1/29/24 23:30		-1	473	216680
1/30/24 0:00		-1	473	216680
1/30/24 0:30		-1	473	216680
1/30/24 1:00		-1	473	216680
1/30/24 1:30		-1	473	216680
1/30/24 2:00		-1	473	216680
1/30/24 2:30		-1	473	216680
1/30/24 3:00		-1	473	216680
1/30/24 3:30		-1	473	216680
1/30/24 4:00		-1	473	216680
1/30/24 4:30		-1	473	216680
1/30/24 5:00		-1	473	216680
1/30/24 5:30		-1	473	216680
1/30/24 6:00		-1	473	216680
1/30/24 6:30		-1	473	216680
1/30/24 7:00		-1	473	216680
1/30/24 7:30		-1	473	216680
1/30/24 8:00		-1	473	216680
1/30/24 8:30		-1	473	216680
1/30/24 9:00		-1	473	216680
1/30/24 9:30		-1	473	216680
1/30/24 10:00		-1	473	216680
1/30/24 10:30		-1	473	216680
1/30/24 11:00		-1	473	216680
1/30/24 11:30		-1	473	216680
1/30/24 12:00		-1	473	216680
1/30/24 12:30		-1	473	216680
1/30/24 13:00		-1	473	216680
1/30/24 13:30		-1	473	216680
1/30/24 14:00		-1	473	216680
1/30/24 14:30		-1	473	216680
1/30/24 15:00		-1	473	216680
1/30/24 15:30		-1	473	216680
1/30/24 16:00		-1	473	216680

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
1/30/24 16:30		-1	473	216680
1/30/24 17:00		-1	473	216680
1/30/24 17:30		-1	473	216680
1/30/24 18:00		-1	473	216680
1/30/24 18:30		-1	473	216680
1/30/24 19:00		-1	472	216680
1/30/24 19:30		-1	472	216680
1/30/24 20:00		-1	472	216680
1/30/24 20:30		-1	472	216680
1/30/24 21:00		-1	473	216680
1/30/24 21:30		-1	473	216680
1/30/24 22:00		-1	473	216680
1/30/24 22:30		-1	473	216680
1/30/24 23:00		-1	473	216680
1/30/24 23:30		-1	473	216680
1/31/24 0:00		-1	473	216680
1/31/24 0:30		-1	472	216680
1/31/24 1:00		-1	472	216680
1/31/24 1:30		-1	472	216680
1/31/24 2:00		-1	472	216680
1/31/24 2:30		-1	472	216680
1/31/24 3:00		-1	472	216680
1/31/24 3:30		-1	472	216680
1/31/24 4:00		-1	472	216680
1/31/24 4:30		-1	472	216680
1/31/24 5:00		-1	472	216680
1/31/24 5:30		-1	472	216680
1/31/24 6:00		-1	472	216680
1/31/24 6:30		-1	472	216680
1/31/24 7:00		-1	472	216680
1/31/24 7:30		-1	472	216680
1/31/24 8:00		-1	472	216680
1/31/24 8:30		-1	472	216680
1/31/24 9:00		-1	472	216680
1/31/24 9:30		-1	472	216680
1/31/24 10:00		-1	473	216680
1/31/24 10:30		-1	473	216680
1/31/24 11:00		-1	473	216680
1/31/24 11:30		-1	473	216680
1/31/24 12:00		-1	473	216680
1/31/24 12:30		-1	472	216680
1/31/24 13:00		-1	472	216680
1/31/24 13:30		-1	472	216680
1/31/24 14:00		-1	472	216680
1/31/24 14:30		-1	472	216680
1/31/24 15:00		-1	472	216680
1/31/24 15:30		-1	472	216680
1/31/24 16:00		-1	473	216680
1/31/24 16:30		-1	472	216680
1/31/24 17:00		-1	472	216680
1/31/24 17:30		-1	472	216680
1/31/24 18:00		-1	472	216680
1/31/24 18:30		-1	472	216680
1/31/24 19:00		-1	472	216680
1/31/24 19:30		-1	471	216680
1/31/24 20:00		-1	472	216680
1/31/24 20:30		-1	472	216680
1/31/24 21:00		-1	472	216680
1/31/24 21:30		-1	472	216680
1/31/24 22:00		-1	472	216680
1/31/24 22:30		-1	472	216680
1/31/24 23:00		-1	472	216680

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
1/31/24 23:30		-1	472	216680
2/1/24 0:00		-1	472	216680
2/1/24 0:30		-1	472	216680
2/1/24 1:00		-1	472	216680
2/1/24 1:30		-1	472	216680
2/1/24 2:00		-1	472	216680
2/1/24 2:30		-1	472	216680
2/1/24 3:00		-1	472	216680
2/1/24 3:30		-1	472	216680
2/1/24 4:00		-1	472	216680
2/1/24 4:30		-1	472	216680
2/1/24 5:00		-1	472	216680
2/1/24 5:30		-1	472	216680
2/1/24 6:00		-1	472	216680
2/1/24 6:30		-1	472	216680
2/1/24 7:00		-1	472	216680
2/1/24 7:30		-1	472	216680
2/1/24 8:00		-1	472	216680
2/1/24 8:30		-1	472	216680
2/1/24 9:00		-1	472	216680
2/1/24 9:30		-1	472	216680
2/1/24 10:00		-1	472	216680
2/1/24 10:30		-1	472	216680
2/1/24 11:00		-1	472	216680
2/1/24 11:30		-1	472	216680
2/1/24 12:00		-1	472	216680
2/1/24 12:30		-1	472	216680
2/1/24 13:00		-1	472	216680
2/1/24 13:30		-1	472	216680
2/1/24 14:00		-1	472	216680
2/1/24 14:30		-1	472	216680
2/1/24 15:00		-1	472	216680
2/1/24 15:30		-1	471	216680
2/1/24 16:00		-1	471	216680
2/1/24 16:30		-1	472	216680
2/1/24 17:00		-1	472	216680
2/1/24 17:30		-1	471	216680
2/1/24 18:00		-1	471	216680
2/1/24 18:30		-1	471	216680
2/1/24 19:00		-1	471	216680
2/1/24 19:30		-1	471	216680
2/1/24 20:00		-1	471	216680
2/1/24 20:30		-1	471	216680
2/1/24 21:00		-1	471	216680
2/1/24 21:30		-1	471	216680
2/1/24 22:00		-1	471	216680
2/1/24 22:30		-1	471	216680
2/1/24 23:00		-1	471	216680
2/1/24 23:30		-1	471	216680
2/2/24 0:00		-1	471	216680
2/2/24 0:30		-1	471	216680
2/2/24 1:00		-1	471	216680
2/2/24 1:30		-1	471	216680
2/2/24 2:00		-1	471	216680
2/2/24 2:30		-1	471	216680
2/2/24 3:00		-1	471	216680
2/2/24 3:30		-1	471	216680
2/2/24 4:00		-1	471	216680
2/2/24 4:30		-1	471	216680
2/2/24 5:00		-1	471	216680
2/2/24 5:30		-1	471	216680
2/2/24 6:00		-1	471	216680

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
2/2/24 6:30		-1	471	216680
2/2/24 7:00		-1	471	216680
2/2/24 7:30		-1	471	216680
2/2/24 8:00		-1	471	216680
2/2/24 8:30		-1	471	216680
2/2/24 9:00		-1	471	216680
2/2/24 9:30		-1	471	216680
2/2/24 10:00		-1	471	216680
2/2/24 10:30		-1	471	216680
2/2/24 11:00		-1	471	216680
2/2/24 11:30		-1	471	216680
2/2/24 12:00		-1	471	216680
2/2/24 12:30		-1	471	216680
2/2/24 13:00		-1	471	216680
2/2/24 13:30		-1	471	216680
2/2/24 14:00		-1	471	216680
2/2/24 14:30		-1	471	216680
2/2/24 15:00		-1	471	216680
2/2/24 15:30		-1	471	216680
2/2/24 16:00		-1	471	216680
2/2/24 16:30		-1	471	216680
2/2/24 17:00		-1	471	216680
2/2/24 17:30		-1	471	216680
2/2/24 18:00		-1	471	216680
2/2/24 18:30		-1	471	216680
2/2/24 19:00		-1	471	216680
2/2/24 19:30		-1	471	216680
2/2/24 20:00		-1	471	216680
2/2/24 20:30		-1	471	216680
2/2/24 21:00		-1	471	216680
2/2/24 21:30		-1	471	216680
2/2/24 22:00		-1	471	216680
2/2/24 22:30		-1	471	216680
2/2/24 23:00		-1	471	216680
2/2/24 23:30		-1	471	216680
2/3/24 0:00		-1	471	216680
2/3/24 0:30		-1	471	216680
2/3/24 1:00		-1	471	216680
2/3/24 1:30		-1	471	216680
2/3/24 2:00		-1	471	216680
2/3/24 2:30		-1	471	216680
2/3/24 3:00		-1	471	216680
2/3/24 3:30		-1	471	216680
2/3/24 4:00		-1	471	216680
2/3/24 4:30		-1	471	216680
2/3/24 5:00		-1	471	216680
2/3/24 5:30		-1	471	216680
2/3/24 6:00		-1	471	216680
2/3/24 6:30		-1	471	216680
2/3/24 7:00		-1	471	216680
2/3/24 7:30		-1	471	216680
2/3/24 8:00		-1	471	216680
2/3/24 8:30		-1	471	216680
2/3/24 9:00		-1	471	216680
2/3/24 9:30		-1	471	216680
2/3/24 10:00		-1	470	216680
2/3/24 10:30		-1	471	216680
2/3/24 11:00		-1	471	216680
2/3/24 11:30		-1	471	216680
2/3/24 12:00		-1	471	216680
2/3/24 12:30		-1	470	216680
2/3/24 13:00		-1	471	216680

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
2/3/24 13:30		-1	471	216680
2/3/24 14:00		-1	471	216680
2/3/24 14:30		-1	471	216680
2/3/24 15:00		-1	471	216680
2/3/24 15:30		-1	471	216680
2/3/24 16:00		-1	471	216680
2/3/24 16:30		-1	471	216680
2/3/24 17:00		-1	470	216680
2/3/24 17:30		-1	471	216680
2/3/24 18:00		-1	470	216680
2/3/24 18:30		-1	470	216680
2/3/24 19:00		-1	470	216680
2/3/24 19:30		-1	470	216680
2/3/24 20:00		-1	470	216680
2/3/24 20:30		-1	470	216680
2/3/24 21:00		-1	470	216680
2/3/24 21:30		-1	470	216680
2/3/24 22:00		-1	470	216680
2/3/24 22:30		-1	470	216680
2/3/24 23:00		-1	470	216680
2/3/24 23:30		-1	470	216680
2/4/24 0:00		-1	470	216680
2/4/24 0:30		-1	470	216680
2/4/24 1:00		-1	470	216680
2/4/24 1:30		-1	470	216680
2/4/24 2:00		-1	470	216680
2/4/24 2:30		-1	470	216680
2/4/24 3:00		-1	470	216680
2/4/24 3:30		-1	470	216680
2/4/24 4:00		-1	470	216680
2/4/24 4:30		-1	470	216680
2/4/24 5:00		-1	470	216680
2/4/24 5:30		-1	470	216680
2/4/24 6:00		-1	470	216680
2/4/24 6:30		-1	470	216680
2/4/24 7:00		-1	470	216680
2/4/24 7:30		-1	470	216680
2/4/24 8:00		-1	470	216680
2/4/24 8:30		-1	470	216680
2/4/24 9:00		-1	470	216680
2/4/24 9:30		-1	470	216680
2/4/24 10:00		-1	471	216680
2/4/24 10:30		-1	471	216680
2/4/24 11:00		-1	471	216680
2/4/24 11:30		-1	470	216680
2/4/24 12:00		-1	470	216680
2/4/24 12:30		-1	470	216680
2/4/24 13:00		-1	470	216680
2/4/24 13:30		-1	470	216680
2/4/24 14:00		-1	470	216680
2/4/24 14:30		-1	470	216680
2/4/24 15:00		-1	470	216680
2/4/24 15:30		-1	470	216680
2/4/24 16:00		-1	470	216680
2/4/24 16:30		-1	470	216680
2/4/24 17:00		-1	470	216680
2/4/24 17:30		-1	470	216680
2/4/24 18:00		-1	470	216680
2/4/24 18:30		-1	470	216680
2/4/24 19:00		-1	470	216680
2/4/24 19:30		-1	469	216680
2/4/24 20:00		-1	470	216680

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
2/4/24 20:30		-1	470	216680
2/4/24 21:00		-1	470	216680
2/4/24 21:30		-1	470	216680
2/4/24 22:00		-1	470	216680
2/4/24 22:30		-1	470	216680
2/4/24 23:00		-1	470	216680
2/4/24 23:30		-1	470	216680
2/5/24 0:00		-1	470	216680
2/5/24 0:30		-1	470	216680
2/5/24 1:00		-1	470	216680
2/5/24 1:30		-1	470	216680
2/5/24 2:00		-1	470	216680
2/5/24 2:30		-1	470	216680
2/5/24 3:00		-1	470	216680
2/5/24 3:30		-1	470	216680
2/5/24 4:00		-1	470	216680
2/5/24 4:30		-1	470	216680
2/5/24 5:00		-1	470	216680
2/5/24 5:30		-1	470	216680
2/5/24 6:00		-1	470	216680
2/5/24 6:30		-1	470	216680
2/5/24 7:00		-1	470	216680
2/5/24 7:30		-1	470	216680
2/5/24 8:00		-1	470	216680
2/5/24 8:30		-1	470	216680
2/5/24 9:00		-1	470	216680
2/5/24 9:30		-1	470	216680
2/5/24 10:00		-1	470	216680
2/5/24 10:30		-1	470	216680
2/5/24 11:00		-1	470	216680
2/5/24 11:30		-1	470	216680
2/5/24 12:00		-1	470	216680
2/5/24 12:30		-1	470	216680
2/5/24 13:00		-1	470	216680
2/5/24 13:30		-1	470	216680
2/5/24 14:00		-1	470	216680
2/5/24 14:30		-1	470	216680
2/5/24 15:00		-1	470	216680
2/5/24 15:30		-1	470	216680
2/5/24 16:00		-1	470	216680
2/5/24 16:30		-1	470	216680
2/5/24 17:00		-1	470	216680
2/5/24 17:30		-1	469	216680
2/5/24 18:00		-1	470	216680
2/5/24 18:30		-1	469	216680
2/5/24 19:00		-1	469	216680
2/5/24 19:30		-1	469	216680
2/5/24 20:00		-1	469	216680
2/5/24 20:30		-1	469	216680
2/5/24 21:00		-1	469	216680
2/5/24 21:30		-1	469	216680
2/5/24 22:00		-1	469	216680
2/5/24 22:30		-1	469	216680
2/5/24 23:00		-1	469	216680
2/5/24 23:30		-1	469	216680
2/6/24 0:00		-1	469	216680
2/6/24 0:30		-1	469	216680
2/6/24 1:00		-1	469	216680
2/6/24 1:30		-1	469	216680
2/6/24 2:00		-1	469	216680
2/6/24 2:30		-1	469	216680
2/6/24 3:00		-1	469	216680



Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
2/6/24 3:30		-1	470	216680
2/6/24 4:00		-1	469	216680
2/6/24 4:30		-1	469	216680
2/6/24 5:00		-1	469	216680
2/6/24 5:30		-1	469	216680
2/6/24 6:00		-1	469	216680
2/6/24 6:30		-1	469	216680
2/6/24 7:00		-1	469	216680
2/6/24 7:30		-1	469	216680
2/6/24 8:00		-1	469	216680
2/6/24 8:30		-1	469	216680
2/6/24 9:00		-1	469	216680
2/6/24 9:30		-1	469	216680
2/6/24 10:00		-1	469	216680
2/6/24 10:30		-1	469	216680
2/6/24 11:00		-1	469	216680
2/6/24 11:30		-1	469	216680
2/6/24 12:00		-1	469	216680
2/6/24 12:30		-1	469	216680
2/6/24 13:00		-1	469	216680
2/6/24 13:30		-1	469	216680
2/6/24 14:00		-1	469	216680
2/6/24 14:30		-1	469	216680
2/6/24 15:00		-1	469	216680
2/6/24 15:30		-1	469	216680
2/6/24 16:00		-1	470	216680
2/6/24 16:30		-1	470	216680
2/6/24 17:00		-1	470	216680
2/6/24 17:30		-1	469	216680
2/6/24 18:00		-1	469	216680
2/6/24 18:30		-1	469	216680
2/6/24 19:00		-1	469	216680
2/6/24 19:30		-1	469	216680
2/6/24 20:00		-1	469	216680
2/6/24 20:30		-1	469	216680
2/6/24 21:00		-1	469	216680
2/6/24 21:30		-1	469	216680
2/6/24 22:00		-1	469	216680
2/6/24 22:30		-1	469	216680
2/6/24 23:00		-1	469	216680
2/6/24 23:30		-1	469	216680
2/7/24 0:00		-1	469	216680
2/7/24 0:30		-1	469	216680
2/7/24 1:00		-1	469	216680
2/7/24 1:30		-1	469	216680
2/7/24 2:00		-1	469	216680
2/7/24 2:30		-1	469	216680
2/7/24 3:00		-1	469	216680
2/7/24 3:30		-1	469	216680
2/7/24 4:00		-1	469	216680
2/7/24 4:30		-1	469	216680
2/7/24 5:00		-1	469	216680
2/7/24 5:30		-1	469	216680
2/7/24 6:00		-1	469	216680
2/7/24 6:30		-1	469	216680
2/7/24 7:00		-1	469	216680
2/7/24 7:30		-1	469	216680
2/7/24 8:00		-1	469	216680
2/7/24 8:30		-1	469	216680
2/7/24 9:00		-1	469	216680
2/7/24 9:30		-1	469	216680
2/7/24 10:00		-1	469	216680

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
2/7/24 10:30		-1	469	216680
2/7/24 11:00		-1	469	216680
2/7/24 11:30		-1	469	216680
2/7/24 12:00		-1	469	216680
2/7/24 12:30		-1	469	216680
2/7/24 13:00		-1	469	216680
2/7/24 13:30		-1	469	216680
2/7/24 14:00		-1	469	216680
2/7/24 14:30		-1	469	216680
2/7/24 15:00		-1	469	216680
2/7/24 15:30		-1	469	216680
2/7/24 16:00		-1	469	216680
2/7/24 16:30		-1	469	216680
2/7/24 17:00		-1	469	216680
2/7/24 17:30		-1	469	216680
2/7/24 18:00		-1	469	216680
2/7/24 18:30		-1	469	216680
2/7/24 19:00		-1	469	216680
2/7/24 19:30		-1	469	216680
2/7/24 20:00		-1	469	216680
2/7/24 20:30		-1	469	216680
2/7/24 21:00		-1	469	216680
2/7/24 21:30		-1	469	216680
2/7/24 22:00		-1	469	216680
2/7/24 22:30		-1	469	216680
2/7/24 23:00		-1	469	216680
2/7/24 23:30		-1	469	216680
2/8/24 0:00		-1	469	216680
2/8/24 0:30		-1	469	216680
2/8/24 1:00		-1	469	216680
2/8/24 1:30		-1	469	216680
2/8/24 2:00		-1	469	216680
2/8/24 2:30		-1	469	216680
2/8/24 3:00		-1	469	216680
2/8/24 3:30		-1	469	216680
2/8/24 4:00		-1	469	216680
2/8/24 4:30		-1	469	216680
2/8/24 5:00		-1	469	216680
2/8/24 5:30		-1	469	216680
2/8/24 6:00		-1	469	216680
2/8/24 6:30		-1	469	216680
2/8/24 7:00		-1	469	216680
2/8/24 7:30		-1	469	216680
2/8/24 8:00		-1	469	216680
2/8/24 8:30		-1	469	216680
2/8/24 9:00		-1	469	216680
2/8/24 9:30		-1	469	216680
2/8/24 10:00		-1	469	216680
2/8/24 10:30		-1	469	216680
2/8/24 11:00		-1	469	216680
2/8/24 11:30		-1	469	216680
2/8/24 12:00		-1	469	216680
2/8/24 12:30		-1	469	216680
2/8/24 13:00		-1	469	216680
2/8/24 13:30		-1	469	216680
2/8/24 14:00		-1	469	216680
2/8/24 14:30		-1	468	216680
2/8/24 15:00		-1	468	216680
2/8/24 15:30		-1	468	216680
2/8/24 16:00		-1	469	216680
2/8/24 16:30		-1	469	216680
2/8/24 17:00		-1	469	216680

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
2/8/24 17:30		-1	469	216680
2/8/24 18:00		-1	469	216680
2/8/24 18:30		-1	468	216680
2/8/24 19:00		-1	468	216680
2/8/24 19:30		-1	468	216680
2/8/24 20:00		-1	468	216680
2/8/24 20:30		-1	468	216680
2/8/24 21:00		-1	469	216680
2/8/24 21:30		-1	469	216680
2/8/24 22:00		-1	468	216680
2/8/24 22:30		-1	468	216680
2/8/24 23:00		-1	468	216680
2/8/24 23:30		-1	468	216680
2/9/24 0:00		-1	468	216680
2/9/24 0:30		-1	468	216680
2/9/24 1:00		-1	468	216680
2/9/24 1:30		-1	468	216680
2/9/24 2:00		-1	468	216680
2/9/24 2:30		-1	468	216680
2/9/24 3:00		-1	468	216680
2/9/24 3:30		-1	468	216680
2/9/24 4:00		-1	468	216680
2/9/24 4:30		-1	468	216680
2/9/24 5:00		-1	468	216680
2/9/24 5:30		-1	468	216680
2/9/24 6:00		-1	468	216680
2/9/24 6:30		-1	468	216680
2/9/24 7:00		-1	468	216680
2/9/24 7:30		-1	469	216680
2/9/24 8:00		-1	469	216680
2/9/24 8:30		-1	468	216680
2/9/24 9:00		-1	468	216680
2/9/24 9:30		-1	468	216680
2/9/24 10:00		-1	469	216680
2/9/24 10:30		-1	469	216680
2/9/24 11:00		-1	469	216680
2/9/24 11:30		-1	469	216680
2/9/24 12:00		-1	469	216680
2/9/24 12:30		-1	469	216680
2/9/24 13:00		-1	468	216680
2/9/24 13:30		-1	468	216680
2/9/24 14:00		-1	469	216680
2/9/24 14:30		-1	468	216680
2/9/24 15:00		-1	468	216680
2/9/24 15:30		-1	468	216680
2/9/24 16:00		-1	468	216680
2/9/24 16:30		-1	468	216680
2/9/24 17:00		-1	468	216680
2/9/24 17:30		-1	468	216680
2/9/24 18:00		-1	468	216680
2/9/24 18:30		-1	469	216680
2/9/24 19:00		-1	468	216680
2/9/24 19:30		-1	468	216680
2/9/24 20:00		-1	468	216680
2/9/24 20:30		-1	468	216680
2/9/24 21:00		-1	468	216680
2/9/24 21:30		-1	468	216680
2/9/24 22:00		-1	468	216680
2/9/24 22:30		-1	468	216680
2/9/24 23:00		-1	468	216680
2/9/24 23:30		-1	468	216680
2/10/24 0:00		-1	468	216680

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
2/10/24 0:30		-1	468	216680
2/10/24 1:00		-1	468	216680
2/10/24 1:30		-1	468	216680
2/10/24 2:00		-1	468	216680
2/10/24 2:30		-1	468	216680
2/10/24 3:00		-1	468	216680
2/10/24 3:30		-1	468	216680
2/10/24 4:00		-1	468	216680
2/10/24 4:30		-1	468	216680
2/10/24 5:00		-1	468	216680
2/10/24 5:30		-1	468	216680
2/10/24 6:00		-1	468	216680
2/10/24 6:30		-1	468	216680
2/10/24 7:00		-1	468	216680
2/10/24 7:30		-1	468	216680
2/10/24 8:00		-1	468	216680
2/10/24 8:30		-1	468	216680
2/10/24 9:00		-1	468	216680
2/10/24 9:30		-1	468	216680
2/10/24 10:00		-1	468	216680
2/10/24 10:30		-1	468	216680
2/10/24 11:00		-1	468	216680
2/10/24 11:30		-1	468	216680
2/10/24 12:00		-1	468	216680
2/10/24 12:30		-1	468	216680
2/10/24 13:00		-1	468	216680
2/10/24 13:30		-1	468	216680
2/10/24 14:00		-1	468	216680
2/10/24 14:30		-1	468	216680
2/10/24 15:00		-1	468	216680
2/10/24 15:30		-1	468	216680
2/10/24 16:00		-1	468	216680
2/10/24 16:30		-1	468	216680
2/10/24 17:00		-1	468	216680
2/10/24 17:30		-1	468	216680
2/10/24 18:00		-1	468	216680
2/10/24 18:30		-1	468	216680
2/10/24 19:00		-1	468	216680
2/10/24 19:30		-1	468	216680
2/10/24 20:00		-1	468	216680
2/10/24 20:30		-1	468	216680
2/10/24 21:00		-1	468	216680
2/10/24 21:30		-1	468	216680
2/10/24 22:00		-1	468	216680
2/10/24 22:30		-1	468	216680
2/10/24 23:00		-1	468	216680
2/10/24 23:30		-1	468	216680
2/11/24 0:00		-1	468	216680
2/11/24 0:30		-1	468	216680
2/11/24 1:00		-1	468	216680
2/11/24 1:30		-1	468	216680
2/11/24 2:00		-1	468	216680
2/11/24 2:30		-1	468	216680
2/11/24 3:00		-1	468	216680
2/11/24 3:30		-1	468	216680
2/11/24 4:00		-1	468	216680
2/11/24 4:30		-1	468	216680
2/11/24 5:00		-1	468	216680
2/11/24 5:30		-1	468	216680
2/11/24 6:00		-1	468	216680
2/11/24 6:30		-1	468	216680
2/11/24 7:00		-1	468	216680

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
2/11/24 7:30		-1	468	216680
2/11/24 8:00		-1	467	216680
2/11/24 8:30		-1	467	216680
2/11/24 9:00		-1	467	216680
2/11/24 9:30		-1	468	216680
2/11/24 10:00		-1	468	216680
2/11/24 10:30		-1	468	216680
2/11/24 11:00		-1	468	216680
2/11/24 11:30		-1	468	216680
2/11/24 12:00		-1	468	216680
2/11/24 12:30		-1	468	216680
2/11/24 13:00		-1	468	216680
2/11/24 13:30		-1	468	216680
2/11/24 14:00		-1	468	216680
2/11/24 14:30		-1	468	216680
2/11/24 15:00		-1	468	216680
2/11/24 15:30		-1	467	216680
2/11/24 16:00		-1	467	216680
2/11/24 16:30		-1	467	216680
2/11/24 17:00		-1	468	216680
2/11/24 17:30		-1	468	216680
2/11/24 18:00		-1	468	216680
2/11/24 18:30		-1	467	216680
2/11/24 19:00		-1	467	216680
2/11/24 19:30		-1	467	216680
2/11/24 20:00		-1	467	216680
2/11/24 20:30		-1	467	216680
2/11/24 21:00		-1	467	216680
2/11/24 21:30		-1	468	216680
2/11/24 22:00		-1	468	216680
2/11/24 22:30		-1	468	216680
2/11/24 23:00		-1	468	216680
2/11/24 23:30		-1	468	216680
2/12/24 0:00		-1	468	216680
2/12/24 0:30		-1	467	216680
2/12/24 1:00		-1	467	216680
2/12/24 1:30		-1	467	216680
2/12/24 2:00		-1	467	216680
2/12/24 2:30		-1	467	216680
2/12/24 3:00		-1	467	216680
2/12/24 3:30		-1	467	216680
2/12/24 4:00		-1	467	216680
2/12/24 4:30		-1	467	216680
2/12/24 5:00		-1	467	216680
2/12/24 5:30		-1	467	216680
2/12/24 6:00		-1	467	216680
2/12/24 6:30		-1	467	216680
2/12/24 7:00		-1	467	216680
2/12/24 7:30		-1	467	216680
2/12/24 8:00		-1	467	216680
2/12/24 8:30		-1	467	216680
2/12/24 9:00		-1	467	216680
2/12/24 9:30		-1	468	216680
2/12/24 10:00		-1	468	216680
2/12/24 10:30		-1	468	216680
2/12/24 11:00		-1	468	216680
2/12/24 11:30		-1	468	216680
2/12/24 12:00		-1	468	216680
2/12/24 12:30		-1	468	216680
2/12/24 13:00		-1	468	216680
2/12/24 13:30		-1	468	216680
2/12/24 14:00		-1	468	216680

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
2/12/24 14:30		-1	467	216680
2/12/24 15:00		-1	467	216680
2/12/24 15:30		-1	467	216680
2/12/24 16:00		-1	467	216680
2/12/24 16:30		-1	467	216680
2/12/24 17:00		-1	467	216680
2/12/24 17:30		-1	467	216680
2/12/24 18:00		-1	467	216680
2/12/24 18:30		-1	467	216680
2/12/24 19:00		-1	467	216680
2/12/24 19:30		-1	467	216680
2/12/24 20:00		-1	467	216680
2/12/24 20:30		-1	467	216680
2/12/24 21:00		-1	467	216680
2/12/24 21:30		-1	467	216680
2/12/24 22:00		-1	467	216680
2/12/24 22:30		-1	467	216680
2/12/24 23:00		-1	467	216680
2/12/24 23:30		-1	467	216680
2/13/24 0:00		-1	467	216680
2/13/24 0:30		-1	467	216680
2/13/24 1:00		-1	467	216680
2/13/24 1:30		-1	467	216680
2/13/24 2:00		-1	467	216680
2/13/24 2:30		-1	467	216680
2/13/24 3:00		-1	467	216680
2/13/24 3:30		-1	467	216680
2/13/24 4:00		-1	467	216680
2/13/24 4:30		-1	467	216680
2/13/24 5:00		-1	467	216680
2/13/24 5:30		-1	467	216680
2/13/24 6:00		-1	467	216680
2/13/24 6:30		-1	467	216680
2/13/24 7:00		-1	467	216680
2/13/24 7:30		-1	467	216680
2/13/24 8:00		-1	467	216680
2/13/24 8:30		-1	467	216680
2/13/24 9:00		-1	467	216680
2/13/24 9:30		-1	467	216680
2/13/24 10:00		-1	468	216680
2/13/24 10:30		-1	468	216680
2/13/24 11:00		-1	468	216680
2/13/24 11:30		-1	468	216680
2/13/24 12:00		-1	468	216680
2/13/24 12:30		-1	468	216680
2/13/24 13:00		-1	468	216680
2/13/24 13:30		-1	467	216680
2/13/24 14:00		-1	467	216680
2/13/24 14:30		-1	467	216680
2/13/24 15:00		-1	467	216680
2/13/24 15:30		-1	467	216680
2/13/24 16:00		-1	467	216680
2/13/24 16:30		-1	467	216680
2/13/24 17:00		-1	467	216680
2/13/24 17:30		-1	467	216680
2/13/24 18:00		-1	467	216680
2/13/24 18:30		-1	467	216680
2/13/24 19:00		-1	467	216680
2/13/24 19:30		-1	467	216680
2/13/24 20:00		-1	467	216680
2/13/24 20:30		-1	467	216680
2/13/24 21:00		-1	467	216680

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
2/13/24 21:30		-1	467	216680
2/13/24 22:00		-1	467	216680
2/13/24 22:30		-1	467	216680
2/13/24 23:00		-1	467	216680
2/13/24 23:30		-1	467	216680
2/14/24 0:00		-1	467	216680
2/14/24 0:30		-1	467	216680
2/14/24 1:00		-1	467	216680
2/14/24 1:30		-1	467	216680
2/14/24 2:00		-1	467	216680
2/14/24 2:30		-1	467	216680
2/14/24 3:00		-1	467	216680
2/14/24 3:30		-1	467	216680
2/14/24 4:00		-1	467	216680
2/14/24 4:30		-1	467	216680
2/14/24 5:00		-1	467	216680
2/14/24 5:30		-1	467	216680
2/14/24 6:00		-1	467	216680
2/14/24 6:30		-1	467	216680
2/14/24 7:00		-1	467	216680
2/14/24 7:30		-1	467	216680
2/14/24 8:00		-1	467	216680
2/14/24 8:30		-1	467	216680
2/14/24 9:00		-1	467	216680
2/14/24 9:30		-1	467	216680
2/14/24 10:00		-1	468	216680
2/14/24 10:30		-1	468	216680
2/14/24 11:00		-1	467	216680
2/14/24 11:30		-1	467	216680
2/14/24 12:00		-1	467	216680
2/14/24 12:30		-1	467	216680
2/14/24 13:00		-1	467	216680
2/14/24 13:30		-1	467	216680
2/14/24 14:00		-1	467	216680
2/14/24 14:30		-1	467	216680
2/14/24 15:00		-1	467	216680
2/14/24 15:30		-1	467	216680
2/14/24 16:00		-1	467	216680
2/14/24 16:30		-1	467	216680
2/14/24 17:00		-1	467	216680
2/14/24 17:30		-1	467	216680
2/14/24 18:00		-1	467	216680
2/14/24 18:30		-1	467	216680
2/14/24 19:00		-1	467	216680
2/14/24 19:30		-1	466	216680
2/14/24 20:00		-1	466	216680
2/14/24 20:30		-1	467	216680
2/14/24 21:00		-1	467	216680
2/14/24 21:30		-1	467	216680
2/14/24 22:00		-1	467	216680
2/14/24 22:30		-1	467	216680
2/14/24 23:00		-1	467	216680
2/14/24 23:30		-1	467	216680
2/15/24 0:00		-1	467	216680
2/15/24 0:30		-1	467	216680
2/15/24 1:00		-1	467	216680
2/15/24 1:30		-1	467	216680
2/15/24 2:00		-1	467	216680
2/15/24 2:30		-1	467	216680
2/15/24 3:00		-1	467	216680
2/15/24 3:30		-1	467	216680
2/15/24 4:00		-1	467	216680

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
2/15/24 4:30		-1	467	216680
2/15/24 5:00		-1	467	216680
2/15/24 5:30		-1	467	216680
2/15/24 6:00		-1	467	216680
2/15/24 6:30		-1	467	216680
2/15/24 7:00		-1	467	216680
2/15/24 7:30		-1	467	216680
2/15/24 8:00		-1	467	216680
2/15/24 8:30		-1	467	216680
2/15/24 9:00		-1	467	216680
2/15/24 9:30		-1	467	216680
2/15/24 10:00		-1	467	216680
2/15/24 10:30		-1	467	216680
2/15/24 11:00		-1	467	216680
2/15/24 11:30		-1	467	216680
2/15/24 12:00		-1	467	216680
2/15/24 12:30		-1	467	216680
2/15/24 13:00		-1	467	216680
2/15/24 13:30		-1	467	216680
2/15/24 14:00		-1	467	216680
2/15/24 14:30		-1	467	216680
2/15/24 15:00		-1	467	216680
2/15/24 15:30		-1	467	216680
2/15/24 16:00		-1	467	216680
2/15/24 16:30		-1	467	216680
2/15/24 17:00		-1	466	216680
2/15/24 17:30		-1	466	216680
2/15/24 18:00		-1	466	216680
2/15/24 18:30		-1	466	216680
2/15/24 19:00		-1	466	216680
2/15/24 19:30		-1	467	216680
2/15/24 20:00		-1	467	216680
2/15/24 20:30		-1	467	216680
2/15/24 21:00		-1	467	216680
2/15/24 21:30		-1	467	216680
2/15/24 22:00		-1	466	216680
2/15/24 22:30		-1	467	216680
2/15/24 23:00		-1	467	216680
2/15/24 23:30		-1	467	216680
2/16/24 0:00		-1	467	216680
2/16/24 0:30		-1	467	216680
2/16/24 1:00		-1	467	216680
2/16/24 1:30		-1	466	216680
2/16/24 2:00		-1	466	216680
2/16/24 2:30		-1	466	216680
2/16/24 3:00		-1	466	216680
2/16/24 3:30		-1	467	216680
2/16/24 4:00		-1	466	216680
2/16/24 4:30		-1	466	216680
2/16/24 5:00		-1	466	216680
2/16/24 5:30		-1	466	216680
2/16/24 6:00		-1	466	216680
2/16/24 6:30		-1	466	216680
2/16/24 7:00		-1	466	216680
2/16/24 7:30		-1	466	216680
2/16/24 8:00		-1	466	216680
2/16/24 8:30		-1	466	216680
2/16/24 9:00		-1	466	216680
2/16/24 9:30		-1	467	216680
2/16/24 10:00		-1	467	216680
2/16/24 10:30		-1	467	216680
2/16/24 11:00		-1	467	216680



Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
2/16/24 11:30		-1	467	216680
2/16/24 12:00		-1	467	216680
2/16/24 12:30		-1	467	216680
2/16/24 13:00		-1	467	216680
2/16/24 13:30		-1	467	216680
2/16/24 14:00		-1	467	216680
2/16/24 14:30		-1	466	216680
2/16/24 15:00		-1	466	216680
2/16/24 15:30		-1	466	216680
2/16/24 16:00		-1	466	216680
2/16/24 16:30		-1	466	216680
2/16/24 17:00		-1	466	216680
2/16/24 17:30		-1	466	216680
2/16/24 18:00		-1	466	216680
2/16/24 18:30		-1	466	216680
2/16/24 19:00		-1	466	216680
2/16/24 19:30		-1	466	216680
2/16/24 20:00		-1	466	216680
2/16/24 20:30		-1	466	216680
2/16/24 21:00		-1	466	216680
2/16/24 21:30		-1	466	216680
2/16/24 22:00		-1	466	216680
2/16/24 22:30		-1	466	216680
2/16/24 23:00		-1	466	216680
2/16/24 23:30		-1	466	216680
2/17/24 0:00		-1	466	216680
2/17/24 0:30		-1	466	216680
2/17/24 1:00		-1	466	216680
2/17/24 1:30		-1	466	216680
2/17/24 2:00		-1	466	216680
2/17/24 2:30		-1	466	216680
2/17/24 3:00		-1	466	216680
2/17/24 3:30		-1	466	216680
2/17/24 4:00		-1	466	216680
2/17/24 4:30		-1	466	216680
2/17/24 5:00		-1	466	216680
2/17/24 5:30		-1	466	216680
2/17/24 6:00		-1	466	216680
2/17/24 6:30		-1	466	216680
2/17/24 7:00		-1	466	216680
2/17/24 7:30		-1	466	216680
2/17/24 8:00		-1	466	
2/17/24 8:30		-1	466	216680
2/17/24 9:00		-1	466	216680
2/17/24 9:30		-1	467	216680
2/17/24 10:00		-1	467	216680
2/17/24 10:30		-1	467	216680
2/17/24 11:00		-1	467	216680
2/17/24 11:30		-1	467	216680
2/17/24 12:00		-1	466	216680
2/17/24 12:30		-1	466	216680
2/17/24 13:00		-1	466	216680
2/17/24 13:30		-1	466	216680
2/17/24 14:00		-1	466	216680
2/17/24 14:30		-1	466	216680
2/17/24 15:00		-1	466	216680
2/17/24 15:30		-1	466	216680
2/17/24 16:00		-1	466	216680
2/17/24 16:30		-1	466	216680
2/17/24 17:00		-1	466	216680
2/17/24 17:30		-1	466	216680
2/17/24 18:00		-1	466	216680

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
2/17/24 18:30		-1	466	216680
2/17/24 19:00		-1	466	216680
2/17/24 19:30		-1	466	216680
2/17/24 20:00		-1	466	216680
2/17/24 20:30		-1	466	216680
2/17/24 21:00		-1	466	216680
2/17/24 21:30		-1	466	216680
2/17/24 22:00		-1	466	216680
2/17/24 22:30		-1	466	216680
2/17/24 23:00		-1	466	216680
2/17/24 23:30		-1	466	216680
2/18/24 0:00		-1	466	216680
2/18/24 0:30		-1	466	216680
2/18/24 1:00		-1	466	216680
2/18/24 1:30		-1	466	216680
2/18/24 2:00		-1	466	216680
2/18/24 2:30		-1	466	216680
2/18/24 3:00		-1	466	216680
2/18/24 3:30		-1	466	216680
2/18/24 4:00		-1	466	216680
2/18/24 4:30		-1	466	216680
2/18/24 5:00		-1	466	216680
2/18/24 5:30		-1	466	216680
2/18/24 6:00		-1	466	216680
2/18/24 6:30		-1	466	216680
2/18/24 7:00		-1	466	216680
2/18/24 7:30		-1	466	216680
2/18/24 8:00		-1	466	216680
2/18/24 8:30		-1	466	216680
2/18/24 9:00		-1	466	216680
2/18/24 9:30		-1	466	216680
2/18/24 10:00		-1	466	216680
2/18/24 10:30		-1	466	216680
2/18/24 11:00		-1	466	216680
2/18/24 11:30		-1	466	216680
2/18/24 12:00		-1	466	216680
2/18/24 12:30		-1	467	216680
2/18/24 13:00		-1	467	216680
2/18/24 13:30		-1	466	216680
2/18/24 14:00		-1	466	216680
2/18/24 14:30		-1	466	216680
2/18/24 15:00		-1	466	216680
2/18/24 15:30		-1	466	216680
2/18/24 16:00		-1	466	216680
2/18/24 16:30		-1	466	216680
2/18/24 17:00		-1	466	216680
2/18/24 17:30		-1	466	216680
2/18/24 18:00		-1	466	216680
2/18/24 18:30		-1	466	216680
2/18/24 19:00		-1	466	216680
2/18/24 19:30		-1	466	216680
2/18/24 20:00		-1	466	216680
2/18/24 20:30		-1	466	216680
2/18/24 21:00		-1	466	216680
2/18/24 21:30		-1	466	216680
2/18/24 22:00		-1	466	216680
2/18/24 22:30		-1	466	216680
2/18/24 23:00		-1	466	216680
2/18/24 23:30		-1	466	216680
2/19/24 0:00		-1	466	216680
2/19/24 0:30		-1	466	216680
2/19/24 1:00		-1	466	216680

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
2/19/24 1:30		-1	466	216680
2/19/24 2:00		-1	466	216680
2/19/24 2:30		-1	466	216680
2/19/24 3:00		-1	466	216680
2/19/24 3:30		-1	466	216680
2/19/24 4:00		-1	466	216680
2/19/24 4:30		-1	466	216680
2/19/24 5:00		-1	466	216680
2/19/24 5:30		-1	466	216680
2/19/24 6:00		-1	466	216680
2/19/24 6:30		-1	466	216680
2/19/24 7:00		-1	466	216680
2/19/24 7:30		-1	466	216680
2/19/24 8:00		-1	466	216680
2/19/24 8:30		-1	466	216680
2/19/24 9:00		-1	466	216680
2/19/24 9:30		-1	466	216680
2/19/24 10:00		-1	466	216680
2/19/24 10:30		-1	466	216680
2/19/24 11:00		-1	466	216680
2/19/24 11:30		-1	466	216680
2/19/24 12:00		-1	466	216680
2/19/24 12:30		-1	466	216680
2/19/24 13:00		-1	466	216680
2/19/24 13:30		-1	466	216680
2/19/24 14:00		-1	466	216680
2/19/24 14:30		-1	466	216680
2/19/24 15:00		-1	466	216680
2/19/24 15:30		-1	466	216680
2/19/24 16:00		-1	466	216680
2/19/24 16:30		-1	466	216680
2/19/24 17:00		-1	466	216680
2/19/24 17:30		-1	466	216680
2/19/24 18:00		-1	465	216680
2/19/24 18:30		-1	465	216680
2/19/24 19:00		-1	465	216680
2/19/24 19:30		-1	465	216680
2/19/24 20:00		-1	465	216680
2/19/24 20:30		-1	465	216680
2/19/24 21:00		-1	466	216680
2/19/24 21:30		-1	466	216680
2/19/24 22:00		-1	466	216680
2/19/24 22:30		-1	466	216680
2/19/24 23:00		-1	466	216680
2/19/24 23:30		-1	466	216680
2/20/24 0:00		-1	466	216680
2/20/24 0:30		-1	466	216680
2/20/24 1:00		-1	466	216680
2/20/24 1:30		-1	466	216680
2/20/24 2:00		-1	466	216680
2/20/24 2:30		-1	466	216680
2/20/24 3:00		-1	466	216680
2/20/24 3:30		-1	466	216680
2/20/24 4:00		-1	466	216680
2/20/24 4:30		-1	466	216680
2/20/24 5:00		-1	466	216680
2/20/24 5:30		-1	466	216680
2/20/24 6:00		-1	466	216680
2/20/24 6:30		-1	466	216680
2/20/24 7:00		-1	466	216680
2/20/24 7:30		-1	466	216680
2/20/24 8:00		-1	466	216680

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
2/20/24 8:30		-1	465	216680
2/20/24 9:00		-1	466	216680
2/20/24 9:30		-1	466	216680
2/20/24 10:00		-1	466	216680
2/20/24 10:30		-1	466	216680
2/20/24 11:00		-1	466	216680
2/20/24 11:30		-1	466	216680
2/20/24 12:00		-1	466	216680
2/20/24 12:30		-1	466	216680
2/20/24 13:00		-1	466	216680
2/20/24 13:30		-1	466	216680
2/20/24 14:00		-1	466	216680
2/20/24 14:30		-1	466	216680
2/20/24 15:00		-1	466	216680
2/20/24 15:30		-1	466	216680
2/20/24 16:00		-1	466	216680
2/20/24 16:30		-1	465	216680
2/20/24 17:00		-1	465	216680
2/20/24 17:30		-1	465	216680
2/20/24 18:00		-1	465	216680
2/20/24 18:30		-1	465	216680
2/20/24 19:00		-1	465	216680
2/20/24 19:30		-1	465	216680
2/20/24 20:00		-1	465	216680
2/20/24 20:30		-1	465	216680
2/20/24 21:00		-1	465	216680
2/20/24 21:30		-1	465	216680
2/20/24 22:00		-1	466	216680
2/20/24 22:30		-1	466	216680
2/20/24 23:00		-1	466	216680
2/20/24 23:30		-1	465	216680
2/21/24 0:00		-1	465	216680
2/21/24 0:30		-1	466	216680
2/21/24 1:00		-1	465	216680
2/21/24 1:30		-1	465	216680
2/21/24 2:00		-1	465	216680
2/21/24 2:30		-1	465	216680
2/21/24 3:00		-1	465	216680
2/21/24 3:30		-1	465	216680
2/21/24 4:00		-1	465	216680
2/21/24 4:30		-1	465	216680
2/21/24 5:00		-1	465	216680
2/21/24 5:30		-1	465	216680
2/21/24 6:00		-1	465	216680
2/21/24 6:30		-1	465	216680
2/21/24 7:00		-1	465	216680
2/21/24 7:30		-1	465	216680
2/21/24 8:00		-1	466	216680
2/21/24 8:30		-1	466	216680
2/21/24 9:00		-1	466	216680
2/21/24 9:30		-1	466	216680
2/21/24 10:00		-1	466	216680
2/21/24 10:30		-1	466	216680
2/21/24 11:00		-1	466	216680
2/21/24 11:30		-1	466	216680
2/21/24 12:00		-1	466	216680
2/21/24 12:30		-1	466	216680
2/21/24 13:00		-1	466	216680
2/21/24 13:30		-1	466	216680
2/21/24 14:00		-1	465	216680
2/21/24 14:30		-1	466	216680
2/21/24 15:00		-1	465	216680

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
2/21/24 15:30		-1	465	216680
2/21/24 16:00		-1	465	216680
2/21/24 16:30		-1	465	216680
2/21/24 17:00		-1	465	216680
2/21/24 17:30		-1	465	216680
2/21/24 18:00		-1	465	216680
2/21/24 18:30		-1	465	216680
2/21/24 19:00		-1	465	216680
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2/21/24 20:00		-1	465	216680
2/21/24 20:30		-1	465	216680
2/21/24 21:00		-1	465	216680
2/21/24 21:30		-1	465	216680
2/21/24 22:00		-1	465	216680
2/21/24 22:30		-1	465	216680
2/21/24 23:00		-1	465	216680
2/21/24 23:30		-1	465	216680
2/22/24 0:00		-1	465	216680
2/22/24 0:30		-1	465	216680
2/22/24 1:00		-1	465	216680
2/22/24 1:30		-1	465	216680
2/22/24 2:00		-1	465	216680
2/22/24 2:30		-1	465	216680
2/22/24 3:00		-1	465	216680
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2/22/24 4:00		-1	465	216680
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2/22/24 5:00		-1	465	216680
2/22/24 5:30		-1	465	216680
2/22/24 6:00		-1	465	216680
2/22/24 6:30		-1	465	216680
2/22/24 7:00		-1	465	216680
2/22/24 7:30		-1	465	216680
2/22/24 8:00		-1	465	216680
2/22/24 8:30		-1	465	216680
2/22/24 9:00		-1	465	216680
2/22/24 9:30		-1	466	216680
2/22/24 10:00		-1	466	216680
2/22/24 10:30		-1	466	216680
2/22/24 11:00		-1	466	216680
2/22/24 11:30		-1	466	216680
2/22/24 12:00		-1	466	216680
2/22/24 12:30		-1	465	216680
2/22/24 13:00		-1	465	216680
2/22/24 13:30		-1	465	216680
2/22/24 14:00		-1	465	216680
2/22/24 14:30		-1	465	216680
2/22/24 15:00		-1	465	216680
2/22/24 15:30		-1	465	216680
2/22/24 16:00		-1	465	216680
2/22/24 16:30		-1	465	216680
2/22/24 17:00		-1	465	216680
2/22/24 17:30		-1	465	216680
2/22/24 18:00		-1	465	216680
2/22/24 18:30		-1	465	216680
2/22/24 19:00		-1	465	216680
2/22/24 19:30		-1	465	216680
2/22/24 20:00		-1	465	216680
2/22/24 20:30		-1	465	216680
2/22/24 21:00		-1	465	216680
2/22/24 21:30		-1	465	216680
2/22/24 22:00		-1	465	216680

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
2/22/24 22:30		-1	465	216680
2/22/24 23:00		-1	465	216680
2/22/24 23:30		-1	465	216680
2/23/24 0:00		-1	465	216680
2/23/24 0:30		-1	465	216680
2/23/24 1:00		-1	465	216680
2/23/24 1:30		-1	465	216680
2/23/24 2:00		-1	465	216680
2/23/24 2:30		-1	465	216680
2/23/24 3:00		-1	465	216680
2/23/24 3:30		-1	465	216680
2/23/24 4:00		-1	465	216680
2/23/24 4:30		-1	465	216680
2/23/24 5:00		-1	465	216680
2/23/24 5:30		-1	465	216680
2/23/24 6:00		-1	465	216680
2/23/24 6:30		-1	465	216680
2/23/24 7:00		-1	465	216680
2/23/24 7:30		-1	465	216680
2/23/24 8:00		-1	465	216680
2/23/24 8:30		-1	465	216680
2/23/24 9:00		-1	465	216680
2/23/24 9:30		-1	465	216680
2/23/24 10:00		-1	466	216680
2/23/24 10:30		-1	466	216680
2/23/24 11:00		-1	466	216680
2/23/24 11:30		-1	465	216680
2/23/24 12:00		-1	465	216680
2/23/24 12:30		-1	465	216680
2/23/24 13:00		-1	465	216680
2/23/24 13:30		-1	465	216680
2/23/24 14:00		-1	465	216680
2/23/24 14:30		-1	465	216680
2/23/24 15:00		-1	465	216680
2/23/24 15:30		-1	465	216680
2/23/24 16:00		-1	465	216680
2/23/24 16:30		-1	465	216680
2/23/24 17:00		-1	465	216680
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2/23/24 21:30		-1	465	216680
2/23/24 22:00		-1	465	216680
2/23/24 22:30		-1	465	216680
2/23/24 23:00		-1	465	216680
2/23/24 23:30		-1	465	216680
2/24/24 0:00		-1	465	216680
2/24/24 0:30		-1	465	216680
2/24/24 1:00		-1	465	216680
2/24/24 1:30		-1	465	216680
2/24/24 2:00		-1	465	216680
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2/24/24 3:00		-1	465	216680
2/24/24 3:30		-1	465	216680
2/24/24 4:00		-1	465	216680
2/24/24 4:30		-1	465	216680
2/24/24 5:00		-1	464	216680

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
2/24/24 5:30		-1	465	216680
2/24/24 6:00		-1	465	216680
2/24/24 6:30		-1	465	216680
2/24/24 7:00		-1	464	216680
2/24/24 7:30		-1	464	216680
2/24/24 8:00		-1	464	216680
2/24/24 8:30		-1	464	216680
2/24/24 9:00		-1	464	216680
2/24/24 9:30		-1	465	216680
2/24/24 10:00		-1	465	216680
2/24/24 10:30		-1	465	216680
2/24/24 11:00		-1	465	216680
2/24/24 11:30		-1	465	216680
2/24/24 12:00		-1	465	216680
2/24/24 12:30		-1	465	216680
2/24/24 13:00		-1	465	216680
2/24/24 13:30		-1	465	216680
2/24/24 14:00		-1	465	216680
2/24/24 14:30		-1	465	216680
2/24/24 15:00		-1	465	216680
2/24/24 15:30		-1	465	216680
2/24/24 16:00		1	465	216680
2/24/24 16:30		1	465	216680
2/24/24 17:00		1	465	216680
2/24/24 17:30		1	464	216680
2/24/24 18:00		1	464	216680
2/24/24 18:30		1	465	216680
2/24/24 19:00		1	465	216680
2/24/24 19:30		1	465	216680
2/24/24 20:00		1	465	216680
2/24/24 20:30		1	465	216680
2/24/24 21:00		1	465	216680
2/24/24 21:30		1	465	216680
2/24/24 22:00		1	465	216680
2/24/24 22:30		1	465	216680
2/24/24 23:00		1	465	216680
2/24/24 23:30		1	465	216680
2/25/24 0:00		1	465	216680
2/25/24 0:30		-1	465	216680
2/25/24 1:00		-1	465	216680
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2/25/24 2:30		1	465	216680
2/25/24 3:00		1	465	216680
2/25/24 3:30		-1	465	216680
2/25/24 4:00		-1	465	216680
2/25/24 4:30		-1	465	216680
2/25/24 5:00		-1	464	216680
2/25/24 5:30		-1	464	216680
2/25/24 6:00		-1	464	216680
2/25/24 6:30		-1	464	216680
2/25/24 7:00		-1	464	216680
2/25/24 7:30		-1	464	216680
2/25/24 8:00		-1	464	216680
2/25/24 8:30		-1	464	216680
2/25/24 9:00		-1	464	216680
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2/25/24 10:00		-1	465	216680
2/25/24 10:30		1	465	216680
2/25/24 11:00		1	465	216680
2/25/24 11:30		1	465	216680
2/25/24 12:00		1	465	216680

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
2/25/24 12:30		1	465	216680
2/25/24 13:00		1	465	216680
2/25/24 13:30		1	465	216680
2/25/24 14:00		1	465	216680
2/25/24 14:30		1	465	216680
2/25/24 15:00		1	465	216680
2/25/24 15:30		1	465	216680
2/25/24 16:00		1	465	216680
2/25/24 16:30		1	464	216680
2/25/24 17:00		1	464	216680
2/25/24 17:30		1	464	216680
2/25/24 18:00		1	464	216680
2/25/24 18:30		1	464	216680
2/25/24 19:00		1	464	216680
2/25/24 19:30		1	464	216680
2/25/24 20:00		1	464	216680
2/25/24 20:30		1	465	216680
2/25/24 21:00		1	465	216680
2/25/24 21:30		1	465	216680
2/25/24 22:00		1	465	216680
2/25/24 22:30		1	465	216680
2/25/24 23:00		1	465	216680
2/25/24 23:30		1	465	216680
2/26/24 0:00		1	465	216680
2/26/24 0:30		1	465	216680
2/26/24 1:00		1	465	216680
2/26/24 1:30		1	464	216680
2/26/24 2:00		1	464	216680
2/26/24 2:30		1	465	216680
2/26/24 3:00		1	465	216680
2/26/24 3:30		1	465	216680
2/26/24 4:00		1	465	216680
2/26/24 4:30		1	464	216680
2/26/24 5:00		1	465	216680
2/26/24 5:30		1	465	216680
2/26/24 6:00		1	465	216680
2/26/24 6:30		1	465	216680
2/26/24 7:00		1	465	216680
2/26/24 7:30		1	465	216680
2/26/24 8:00		1	465	216680
2/26/24 8:30		1	465	216680
2/26/24 9:00		1	464	216680
2/26/24 9:30		1	465	216680
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2/26/24 10:30		1	465	216680
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2/26/24 13:30		1	464	216680
2/26/24 14:00		1	464	216680
2/26/24 14:30		1	464	216680
2/26/24 15:00		1	464	216680
2/26/24 15:30		1	464	216680
2/26/24 16:00		1	465	216680
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2/26/24 17:30		-1	464	216680
2/26/24 18:00		-1	464	216680
2/26/24 18:30		-1	464	216680
2/26/24 19:00		-1	464	216680



Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
2/26/24 19:30		-1	464	216680
2/26/24 20:00		-1	464	216680
2/26/24 20:30		-1	464	216680
2/26/24 21:00		-1	464	216680
2/26/24 21:30		-1	464	216680
2/26/24 22:00		-1	464	216680
2/26/24 22:30		-1	464	216680
2/26/24 23:00		-1	464	216680
2/26/24 23:30		-1	464	216680
2/27/24 0:00		-1	464	216680
2/27/24 0:30		-1	465	216680
2/27/24 1:00		-1	465	216680
2/27/24 1:30		-1	464	216680
2/27/24 2:00		-1	464	216680
2/27/24 2:30		-1	464	216680
2/27/24 3:00		-1	464	216680
2/27/24 3:30		-1	464	216680
2/27/24 4:00		-1	464	216680
2/27/24 4:30		-1	464	216680
2/27/24 5:00		-1	464	216680
2/27/24 5:30		-1	464	216680
2/27/24 6:00		-1	464	216680
2/27/24 6:30		-1	464	216680
2/27/24 7:00		-1	464	216680
2/27/24 7:30		-1	464	216680
2/27/24 8:00		-1	464	216680
2/27/24 8:30		-1	464	216680
2/27/24 9:00		-1	464	216680
2/27/24 9:30		-1	464	216680
2/27/24 10:00		-1	464	216680
2/27/24 10:30		-1	464	216680
2/27/24 11:00		-1	465	216680
2/27/24 11:30		-1	464	216680
2/27/24 12:00		-1	465	216680
2/27/24 12:30		-1	465	216680
2/27/24 13:00		-1	465	216680
2/27/24 13:30		-1	464	216680
2/27/24 14:00		-1	464	216680
2/27/24 14:30		-1	464	216680
2/27/24 15:00		-1	464	216680
2/27/24 15:30		-1	464	216680
2/27/24 16:00		-1	464	216680
2/27/24 16:30		-1	464	216680
2/27/24 17:00		-1	465	216680
2/27/24 17:30		-1	464	216680
2/27/24 18:00		1	464	216680
2/27/24 18:30		1	464	216680
2/27/24 19:00		1	464	216680
2/27/24 19:30		1	464	216680
2/27/24 20:00		1	464	216680
2/27/24 20:30		1	464	216680
2/27/24 21:00		1	464	216680
2/27/24 21:30		-1	464	216680
2/27/24 22:00		1	464	216680
2/27/24 22:30		1	464	216680
2/27/24 23:00		1	464	216680
2/27/24 23:30		-1	464	216680
2/28/24 0:00		-1	464	216680
2/28/24 0:30		-1	464	216680
2/28/24 1:00		-1	464	216680
2/28/24 1:30		-1	464	216680
2/28/24 2:00		-1	464	216680

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
2/28/24 2:30		-1	464	216680
2/28/24 3:00		-1	464	216680
2/28/24 3:30		-1	464	216680
2/28/24 4:00		-1	464	216680
2/28/24 4:30		-1	464	216680
2/28/24 5:00		-1	464	216680
2/28/24 5:30		-1	464	216680
2/28/24 6:00		-1	464	216680
2/28/24 6:30		-1	464	216680
2/28/24 7:00		-1	464	216680
2/28/24 7:30		-1	463	216680
2/28/24 8:00		-1	463	216680
2/28/24 8:30		-1	463	216680
2/28/24 9:00		-1	463	216680
2/28/24 9:30		-1	465	216680
2/28/24 10:00		-1	465	216680
2/28/24 10:30		-1	465	216680
2/28/24 11:00		1	465	216680
2/28/24 11:30		1	465	216680
2/28/24 12:00		1	464	216680
2/28/24 12:30		1	464	216680
2/28/24 13:00		1	464	216680
2/28/24 13:30		1	464	216680
2/28/24 14:00		1	464	216680
2/28/24 14:30		1	464	216680
2/28/24 15:00		1	464	216680
2/28/24 15:30		1	464	216680
2/28/24 16:00		1	464	216680
2/28/24 16:30		1	464	216680
2/28/24 17:00		1	464	216680
2/28/24 17:30		1	464	216680
2/28/24 18:00		1	464	216680
2/28/24 18:30		1	464	216680
2/28/24 19:00		1	464	216680
2/28/24 19:30		1	464	216680
2/28/24 20:00		1	463	216680
2/28/24 20:30		1	464	216680
2/28/24 21:00		1	464	216680
2/28/24 21:30		1	464	216680
2/28/24 22:00		1	464	216680
2/28/24 22:30		1	464	216680
2/28/24 23:00		1	464	216680
2/28/24 23:30		-1	464	216680
2/29/24 0:00		-1	464	216680
2/29/24 0:30		-1	464	216680
2/29/24 1:00		-1	464	216680
2/29/24 1:30		-1	464	216680
2/29/24 2:00		-1	464	216680
2/29/24 2:30		-1	464	216680
2/29/24 3:00		-1	464	216680
2/29/24 3:30		-1	464	216680
2/29/24 4:00		-1	464	216680
2/29/24 4:30		-1	464	216680
2/29/24 5:00		-1	464	216680
2/29/24 5:30		-1	464	216680
2/29/24 6:00		-1	464	216680
2/29/24 6:30		-1	464	216680
2/29/24 7:00		-1	464	216680
2/29/24 7:30		-1	464	216680
2/29/24 8:00		-1	464	216680
2/29/24 8:30		-1	464	216680
2/29/24 9:00		-1	464	216680

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
2/29/24 9:30		-1	465	216680
2/29/24 10:00		-1	465	216680
2/29/24 10:30		1	465	216680
2/29/24 11:00		-1	464	216680
2/29/24 11:30		1	464	216680
2/29/24 12:00		1	464	216680
2/29/24 12:30		1	464	216680
2/29/24 13:00		1	464	216680
2/29/24 13:30		1	464	216680
2/29/24 14:00		1	464	216680
2/29/24 14:30		1	464	216680
2/29/24 15:00		1	464	216680
2/29/24 15:30		1	464	216680
2/29/24 16:00		1	464	216680
2/29/24 16:30		1	464	216680
2/29/24 17:00		1	464	216680
2/29/24 17:30		1	464	216680
2/29/24 18:00		-1	464	216680
2/29/24 18:30		-1	464	216680
2/29/24 19:00		-1	464	216680
2/29/24 19:30		-1	464	216680
2/29/24 20:00		-1	463	216680
2/29/24 20:30		-1	464	216680
2/29/24 21:00		-1	464	216680
2/29/24 21:30		-1	464	216680
2/29/24 22:00		-1	464	216680
2/29/24 22:30		-1	464	216680
2/29/24 23:00		-1	464	216680
2/29/24 23:30		-1	464	216680
3/1/24 0:00		-1	464	216680
3/1/24 0:30		-1	464	216680
3/1/24 1:00		-1	464	216680
3/1/24 1:30		-1	464	216680
3/1/24 2:00		-1	464	216680
3/1/24 2:30		-1	464	216680
3/1/24 3:00		-1	464	216680
3/1/24 3:30		-1	464	216680
3/1/24 4:00		-1	464	216680
3/1/24 4:30		-1	464	216680
3/1/24 5:00		-1	464	216680
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3/1/24 6:30		-1	464	216680
3/1/24 7:00		-1	464	216680
3/1/24 7:30		-1	464	216680
3/1/24 8:00		-1	463	216680
3/1/24 8:30		-1	464	216680
3/1/24 9:00		-1	464	216680
3/1/24 9:30		-1	464	216680
3/1/24 10:00		-1	465	216680
3/1/24 10:30		-1	464	216680
3/1/24 11:00		-1	464	216680
3/1/24 11:30		-1	464	216680
3/1/24 12:00		1	464	216680
3/1/24 12:30		1	464	216680
3/1/24 13:00		1	464	216680
3/1/24 13:30		1	464	216680
3/1/24 14:00		1	464	216680
3/1/24 14:30		1	464	216680
3/1/24 15:00		1	464	216680
3/1/24 15:30		1	464	216680
3/1/24 16:00		1	464	216680

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
3/1/24 16:30		-1	464	216680
3/1/24 17:00		1	464	216680
3/1/24 17:30		1	464	216680
3/1/24 18:00		-1	464	216680
3/1/24 18:30		-1	464	216680
3/1/24 19:00		1	463	216680
3/1/24 19:30		1	463	216680
3/1/24 20:00		1	463	216680
3/1/24 20:30		-1	463	216680
3/1/24 21:00		-1	463	216680
3/1/24 21:30		-1	464	216680
3/1/24 22:00		-1	464	216680
3/1/24 22:30		-1	464	216680
3/1/24 23:00		-1	464	216680
3/1/24 23:30		-1	464	216680
3/2/24 0:00		-1	464	216680
3/2/24 0:30		-1	464	216680
3/2/24 1:00		-1	464	216680
3/2/24 1:30		-1	464	216680
3/2/24 2:00		-1	464	216680
3/2/24 2:30		-1	464	216680
3/2/24 3:00		-1	464	216680
3/2/24 3:30		-1	464	216680
3/2/24 4:00		-1	464	216680
3/2/24 4:30		-1	464	216680
3/2/24 5:00		-1	464	216680
3/2/24 5:30		-1	464	216680
3/2/24 6:00		-1	464	216680
3/2/24 6:30		-1	464	216680
3/2/24 7:00		-1	463	216680
3/2/24 7:30		-1	463	216680
3/2/24 8:00		-1	463	216680
3/2/24 8:30		-1	463	216680
3/2/24 9:00		-1	464	216680
3/2/24 9:30		-1	464	216680
3/2/24 10:00		-1	464	216680
3/2/24 10:30		-1	464	216680
3/2/24 11:00		-1	464	216680
3/2/24 11:30		1	464	216680
3/2/24 12:00		1	464	216680
3/2/24 12:30		1	464	216680
3/2/24 13:00		1	464	216680
3/2/24 13:30		1	464	216680
3/2/24 14:00		1	464	216680
3/2/24 14:30		1	464	216680
3/2/24 15:00		1	464	216680
3/2/24 15:30		1	464	216680
3/2/24 16:00		1	463	216680
3/2/24 16:30		1	464	216680
3/2/24 17:00		1	464	216680
3/2/24 17:30		1	464	216680
3/2/24 18:00		1	464	216680
3/2/24 18:30		1	463	216680
3/2/24 19:00		1	463	216680
3/2/24 19:30		1	463	216680
3/2/24 20:00		1	463	216680
3/2/24 20:30		1	463	216680
3/2/24 21:00		1	464	216680
3/2/24 21:30		1	464	216680
3/2/24 22:00		1	464	216680
3/2/24 22:30		1	464	216680
3/2/24 23:00		1	464	216680

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
3/2/24 23:30		1	464	216680
3/3/24 0:00		1	464	216680
3/3/24 0:30		1	464	216680
3/3/24 1:00		1	464	216680
3/3/24 1:30		1	464	216680
3/3/24 2:00		1	464	216680
3/3/24 2:30		1	464	216680
3/3/24 3:00		1	464	216680
3/3/24 3:30		1	464	216680
3/3/24 4:00		1	464	216680
3/3/24 4:30		1	464	216680
3/3/24 5:00		1	464	216680
3/3/24 5:30		1	463	216680
3/3/24 6:00		1	464	216680
3/3/24 6:30		1	464	216680
3/3/24 7:00		1	464	216680
3/3/24 7:30		1	464	216680
3/3/24 8:00		1	464	216680
3/3/24 8:30		1	464	216680
3/3/24 9:00		1	464	216680
3/3/24 9:30		1	464	216680
3/3/24 10:00		1	464	216680
3/3/24 10:30		1	464	216680
3/3/24 11:00		1	464	216680
3/3/24 11:30		1	464	216680
3/3/24 12:00		1	464	216680
3/3/24 12:30		1	464	216680
3/3/24 13:00		1	463	216680
3/3/24 13:30		1	464	216680
3/3/24 14:00		1	464	216680
3/3/24 14:30		1	464	216680
3/3/24 15:00		1	463	216680
3/3/24 15:30		1	464	216680
3/3/24 16:00		1	464	216680
3/3/24 16:30		1	463	216680
3/3/24 17:00		1	463	216680
3/3/24 17:30		1	463	216680
3/3/24 18:00		1	463	216680
3/3/24 18:30		1	463	216680
3/3/24 19:00		1	463	216680
3/3/24 19:30		1	463	216680
3/3/24 20:00		1	463	216680
3/3/24 20:30		1	463	216680
3/3/24 21:00		1	463	216680
3/3/24 21:30		1	463	216680
3/3/24 22:00		1	463	216680
3/3/24 22:30		1	463	216680
3/3/24 23:00		1	463	216680
3/3/24 23:30		1	463	216680
3/4/24 0:00		1	463	216680
3/4/24 0:30		1	463	216680
3/4/24 1:00		1	463	216680
3/4/24 1:30		1	463	216680
3/4/24 2:00		1	463	216680
3/4/24 2:30		1	463	216680
3/4/24 3:00		1	463	216680
3/4/24 3:30		1	463	216680
3/4/24 4:00		1	463	216680
3/4/24 4:30		1	463	216680
3/4/24 5:00		1	463	216680
3/4/24 5:30		1	463	216680
3/4/24 6:00		1	463	216680

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
3/4/24 6:30		1	463	216680
3/4/24 7:00		1	463	216680
3/4/24 7:30		1	463	216680
3/4/24 8:00		1	463	216680
3/4/24 8:30		1	463	216680
3/4/24 9:00		1	463	216680
3/4/24 9:30		1	464	216680
3/4/24 10:00		1	464	216680
3/4/24 10:30		1	464	216680
3/4/24 11:00		1	464	216680
3/4/24 11:30		1	464	216680
3/4/24 12:00		1	464	216680
3/4/24 12:30		2	463	216680
3/4/24 13:00		2	464	216680
3/4/24 13:30		2	463	216680
3/4/24 14:00		2	463	216680
3/4/24 14:30		2	463	216680
3/4/24 15:00		2	463	216680
3/4/24 15:30		2	463	216680
3/4/24 16:00		2	463	216680
3/4/24 16:30		2	463	216680
3/4/24 17:00		2	463	216680
3/4/24 17:30		2	463	216680
3/4/24 18:00		2	463	216680
3/4/24 18:30		2	463	216680
3/4/24 19:00		2	463	216680
3/4/24 19:30		2	463	216680
3/4/24 20:00		2	463	216680
3/4/24 20:30		2	463	216680
3/4/24 21:00		2	463	216680
3/4/24 21:30		2	463	216680
3/4/24 22:00		2	463	216680
3/4/24 22:30		2	463	216680
3/4/24 23:00		1	463	216680
3/4/24 23:30		1	463	216680
3/5/24 0:00		1	463	216680
3/5/24 0:30		1	463	216680
3/5/24 1:00		1	463	216680
3/5/24 1:30		1	463	216680
3/5/24 2:00		1	463	216680
3/5/24 2:30		1	463	216680
3/5/24 3:00		1	463	216680
3/5/24 3:30		1	463	216680
3/5/24 4:00		1	463	216680
3/5/24 4:30		1	463	216680
3/5/24 5:00		1	463	216680
3/5/24 5:30		1	463	216680
3/5/24 6:00		1	463	216680
3/5/24 6:30		1	463	216680
3/5/24 7:00		1	463	216680
3/5/24 7:30		1	463	216680
3/5/24 8:00		1	463	216680
3/5/24 8:30		1	463	216680
3/5/24 9:00		1	463	216680
3/5/24 9:30		1	464	216680
3/5/24 10:00		1	464	216680
3/5/24 10:30		1	464	216680
3/5/24 11:00		1	464	216680
3/5/24 11:30		1	464	216680
3/5/24 12:00		1	464	216680
3/5/24 12:30		1	464	216680
3/5/24 13:00		1	463	216680

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
3/5/24 13:30		1	463	216680
3/5/24 14:00		1	463	216680
3/5/24 14:30		1	463	216680
3/5/24 15:00		1	463	216680
3/5/24 15:30		1	463	216680
3/5/24 16:00		1	463	216680
3/5/24 16:30		2	463	216680
3/5/24 17:00		2	463	216680
3/5/24 17:30		1	463	216680
3/5/24 18:00		1	463	216680
3/5/24 18:30		1	463	216680
3/5/24 19:00		1	463	216680
3/5/24 19:30		1	463	216680
3/5/24 20:00		1	463	216680
3/5/24 20:30		1	463	216680
3/5/24 21:00		1	463	216680
3/5/24 21:30		1	463	216680
3/5/24 22:00		1	463	216680
3/5/24 22:30		1	463	216680
3/5/24 23:00		1	463	216680
3/5/24 23:30		1	463	216680
3/6/24 0:00		1	463	216680
3/6/24 0:30		1	463	216680
3/6/24 1:00		1	463	216680
3/6/24 1:30		1	463	216680
3/6/24 2:00		1	463	216680
3/6/24 2:30		1	463	216680
3/6/24 3:00		1	463	216680
3/6/24 3:30		1	463	216680
3/6/24 4:00		1	463	216680
3/6/24 4:30		1	463	216680
3/6/24 5:00		1	463	216680
3/6/24 5:30		1	463	216680
3/6/24 6:00		1	463	216680
3/6/24 6:30		1	463	216680
3/6/24 7:00		1	463	216680
3/6/24 7:30		1	463	216680
3/6/24 8:00		1	463	216680
3/6/24 8:30		1	463	216680
3/6/24 9:00		1	463	216680
3/6/24 9:30		1	464	216680
3/6/24 10:00		1	464	216680
3/6/24 10:30		1	463	216680
3/6/24 11:00		1	463	216680
3/6/24 11:30		1	463	216680
3/6/24 12:00		1	463	216680
3/6/24 12:30		1	463	216680
3/6/24 13:00		1	463	216680
3/6/24 13:30		1	463	216680
3/6/24 14:00		1	463	216680
3/6/24 14:30		1	463	216680
3/6/24 15:00		2	463	216680
3/6/24 15:30		2	463	216680
3/6/24 16:00		2	463	216680
3/6/24 16:30		2	463	216680
3/6/24 17:00		2	463	216680
3/6/24 17:30		2	463	216680
3/6/24 18:00		2	463	216680
3/6/24 18:30		2	463	216680
3/6/24 19:00		2	463	216680
3/6/24 19:30		2	463	216680
3/6/24 20:00		2	463	216680

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
3/6/24 20:30		2	463	216680
3/6/24 21:00		2	463	216680
3/6/24 21:30		2	463	216680
3/6/24 22:00		2	463	216680
3/6/24 22:30		2	463	216680
3/6/24 23:00		2	463	216680
3/6/24 23:30		2	463	216680
3/7/24 0:00		2	463	216680
3/7/24 0:30		2	463	216680
3/7/24 1:00		2	463	216680
3/7/24 1:30		2	463	216680
3/7/24 2:00		2	463	216680
3/7/24 2:30		2	463	216680
3/7/24 3:00		2	463	216680
3/7/24 3:30		2	463	216680
3/7/24 4:00		2	463	216680
3/7/24 4:30		2	463	216680
3/7/24 5:00		2	463	216680
3/7/24 5:30		2	463	216680
3/7/24 6:00		2	463	216680
3/7/24 6:30		2	463	216680
3/7/24 7:00		2	463	216680
3/7/24 7:30		2	463	216680
3/7/24 8:00		2	463	216680
3/7/24 8:30		2	463	216680
3/7/24 9:00		2	463	216680
3/7/24 9:30		2	463	216680
3/7/24 10:00		2	463	216680
3/7/24 10:30		2	463	216680
3/7/24 11:00		2	463	216680
3/7/24 11:30		2	463	216680
3/7/24 12:00		2	463	216680
3/7/24 12:30		2	463	216680
3/7/24 13:00		2	463	216680
3/7/24 13:30		2	463	216680
3/7/24 14:00		2	463	216680
3/7/24 14:30		2	463	216680
3/7/24 15:00		2	463	216680
3/7/24 15:30		2	462	216680
3/7/24 16:00		2	462	216680
3/7/24 16:30		2	463	216680
3/7/24 17:00		2	463	216680
3/7/24 17:30		1	463	216680
3/7/24 18:00		1	463	216680
3/7/24 18:30		1	463	216680
3/7/24 19:00		1	463	216680
3/7/24 19:30		1	462	216680
3/7/24 20:00		1	463	216680
3/7/24 20:30		1	463	216680
3/7/24 21:00		1	463	216680
3/7/24 21:30		1	463	216680
3/7/24 22:00		1	463	216680
3/7/24 22:30		1	463	216680
3/7/24 23:00		1	463	216680
3/7/24 23:30		1	463	216680
3/8/24 0:00		1	463	216680
3/8/24 0:30		1	463	216680
3/8/24 1:00		1	463	216680
3/8/24 1:30		1	463	216680
3/8/24 2:00		1	463	216680
3/8/24 2:30		1	463	216680
3/8/24 3:00		1	463	216680



Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
3/8/24 3:30		1	463	216680
3/8/24 4:00		1	463	216680
3/8/24 4:30		1	463	216680
3/8/24 5:00		1	463	216680
3/8/24 5:30		1	463	216680
3/8/24 6:00		1	463	216680
3/8/24 6:30		1	463	216680
3/8/24 7:00		1	462	216680
3/8/24 7:30		1	462	216680
3/8/24 8:00		1	462	216680
3/8/24 8:30		1	463	216680
3/8/24 9:00		1	463	216680
3/8/24 9:30		1	463	216680
3/8/24 10:00		1	463	216680
3/8/24 10:30		1	463	216680
3/8/24 11:00		1	463	216680
3/8/24 11:30		1	463	216680
3/8/24 12:00		1	463	216680
3/8/24 12:30		1	463	216680
3/8/24 13:00		1	463	216680
3/8/24 13:30		1	463	216680
3/8/24 14:00		1	462	216680
3/8/24 14:30		1	463	216680
3/8/24 15:00		2	463	216680
3/8/24 15:30		2	463	216680
3/8/24 16:00		2	462	216680
3/8/24 16:30		2	463	216680
3/8/24 17:00		2	463	216680
3/8/24 17:30		2	462	216680
3/8/24 18:00		2	463	216680
3/8/24 18:30		2	462	216680
3/8/24 19:00		2	463	216680
3/8/24 19:30		2	462	216680
3/8/24 20:00		2	462	216680
3/8/24 20:30		2	462	216680
3/8/24 21:00		2	462	216680
3/8/24 21:30		2	462	216680
3/8/24 22:00		2	462	216680
3/8/24 22:30		2	463	216680
3/8/24 23:00		2	462	216680
3/8/24 23:30		2	463	216680
3/9/24 0:00		2	462	216680
3/9/24 0:30		2	462	216680
3/9/24 1:00		2	462	216680
3/9/24 1:30		2	462	216680
3/9/24 2:00		2	462	216680
3/9/24 2:30		2	462	216680
3/9/24 3:00		2	462	216680
3/9/24 3:30		2	462	216680
3/9/24 4:00		2	462	216680
3/9/24 4:30		2	462	216680
3/9/24 5:00		2	462	216680
3/9/24 5:30		2	462	216680
3/9/24 6:00		2	462	216680
3/9/24 6:30		2	463	216680
3/9/24 7:00		2	462	216680
3/9/24 7:30		2	462	216680
3/9/24 8:00		2	462	216680
3/9/24 8:30		2	462	216680
3/9/24 9:00		2	462	216680
3/9/24 9:30		2	463	216680
3/9/24 10:00		2	463	216680

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
3/9/24 10:30		2	463	216680
3/9/24 11:00		2	463	216680
3/9/24 11:30		2	463	216680
3/9/24 12:00		2	463	216680
3/9/24 12:30		2	463	216680
3/9/24 13:00		2	463	216680
3/9/24 13:30		2	462	216680
3/9/24 14:00		2	462	216680
3/9/24 14:30		2	463	216680
3/9/24 15:00		2	462	216680
3/9/24 15:30		2	462	216680
3/9/24 16:00		2	462	216680
3/9/24 16:30		2	462	216680
3/9/24 17:00		2	462	216680
3/9/24 17:30		2	462	216680
3/9/24 18:00		2	462	216680
3/9/24 18:30		2	462	216680
3/9/24 19:00		2	462	216680
3/9/24 19:30		2	462	216680
3/9/24 20:00		2	462	216680
3/9/24 20:30		2	462	216680
3/9/24 21:00		2	462	216680
3/9/24 21:30		2	462	216680
3/9/24 22:00		2	462	216680
3/9/24 22:30		2	462	216680
3/9/24 23:00		2	462	216680
3/9/24 23:30		2	462	216680
3/10/24 0:00		2	462	216680
3/10/24 0:30		2	462	216680
3/10/24 1:00		2	462	216680
3/10/24 1:30		2	462	216680
3/10/24 3:00		2	462	216680
3/10/24 3:30		2	462	216680
3/10/24 4:00		2	462	216680
3/10/24 4:30		2	462	216680
3/10/24 5:00		2	462	216680
3/10/24 5:30		2	462	216680
3/10/24 6:00		2	462	216680
3/10/24 6:30		2	462	216680
3/10/24 7:00		2	462	216680
3/10/24 7:30		2	462	216680
3/10/24 8:00		2	462	216680
3/10/24 8:30		2	462	216680
3/10/24 9:00		2	462	216680
3/10/24 9:30		2	462	216680
3/10/24 10:00		2	463	216680
3/10/24 10:30		2	463	216680
3/10/24 11:00		2	463	216680
3/10/24 11:30		2	463	216680
3/10/24 12:00		2	463	216680
3/10/24 12:30		2	463	216680
3/10/24 13:00		2	463	216680
3/10/24 13:30		2	463	216680
3/10/24 14:00		2	463	216680
3/10/24 14:30		2	462	216680
3/10/24 15:00		2	462	216680
3/10/24 15:30		2	462	216680
3/10/24 16:00		2	462	216680
3/10/24 16:30		2	462	216680
3/10/24 17:00		2	462	216680
3/10/24 17:30		3	462	216680
3/10/24 18:00		3	462	216680

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
3/10/24 18:30		3	462	216680
3/10/24 19:00		3	462	216680
3/10/24 19:30		3	462	216680
3/10/24 20:00		3	462	216680
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3/10/24 21:00		3	462	216680
3/10/24 21:30		3	462	216680
3/10/24 22:00		3	462	216680
3/10/24 22:30		2	462	216680
3/10/24 23:00		2	462	216680
3/10/24 23:30		2	462	216680
3/11/24 0:00		2	462	216680
3/11/24 0:30		2	462	216680
3/11/24 1:00		2	462	216680
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3/11/24 7:00		2	462	216680
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3/11/24 8:00		2	462	216680
3/11/24 8:30		2	462	216680
3/11/24 9:00		2	462	216680
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3/11/24 10:00		2	462	216680
3/11/24 10:30		2	462	216680
3/11/24 11:00		2	463	216680
3/11/24 11:30		2	463	216680
3/11/24 12:00		2	462	216680
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3/11/24 13:00		2	462	216680
3/11/24 13:30		2	463	216680
3/11/24 14:00		2	462	216680
3/11/24 14:30		2	462	216680
3/11/24 15:00		2	462	216680
3/11/24 15:30		3	462	216680
3/11/24 16:00		3	463	216680
3/11/24 16:30		3	462	216680
3/11/24 17:00		3	462	216680
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3/11/24 19:00		3	462	216680
3/11/24 19:30		3	462	216680
3/11/24 20:00		3	462	216680
3/11/24 20:30		3	462	216680
3/11/24 21:00		3	462	216680
3/11/24 21:30		3	462	216680
3/11/24 22:00		3	462	216680
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3/11/24 23:00		3	462	216680
3/11/24 23:30		3	462	216680
3/12/24 0:00		3	462	216680
3/12/24 0:30		3	462	216680
3/12/24 1:00		3	462	216680

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
3/12/24 1:30		3	462	216680
3/12/24 2:00		3	462	216680
3/12/24 2:30		3	462	216680
3/12/24 3:00		3	462	216680
3/12/24 3:30		3	462	216680
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3/12/24 4:30		3	462	216680
3/12/24 5:00		3	462	216680
3/12/24 5:30		3	462	216680
3/12/24 6:00		3	462	216680
3/12/24 6:30		3	462	216680
3/12/24 7:00		3	462	216680
3/12/24 7:30		3	462	216680
3/12/24 8:00		3	462	216680
3/12/24 8:30		3	462	216680
3/12/24 9:00		3	462	216680
3/12/24 9:30		3	462	216680
3/12/24 10:00		3	462	216680
3/12/24 10:30		3	463	216680
3/12/24 11:00		3	463	216680
3/12/24 11:30		3	463	216680
3/12/24 12:00		3	463	216680
3/12/24 12:30		3	463	216680
3/12/24 13:00		3	462	216680
3/12/24 13:30		3	462	216680
3/12/24 14:00		3	462	216680
3/12/24 14:30		3	462	216680
3/12/24 15:00		3	462	216680
3/12/24 15:30		3	462	216680
3/12/24 16:00		3	462	216680
3/12/24 16:30		3	462	216680
3/12/24 17:00		3	462	216680
3/12/24 17:30		3	462	216680
3/12/24 18:00		3	462	216680
3/12/24 18:30		3	462	216680
3/12/24 19:00		3	462	216680
3/12/24 19:30		3	462	216680
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3/13/24 1:00		3	462	216680
3/13/24 1:30		3	462	216680
3/13/24 2:00		3	462	216680
3/13/24 2:30		3	462	216680
3/13/24 3:00		3	462	216680
3/13/24 3:30		3	462	216680
3/13/24 4:00		3	462	216680
3/13/24 4:30		3	462	216680
3/13/24 5:00		3	462	216680
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3/13/24 6:00		3	462	216680
3/13/24 6:30		3	462	216680
3/13/24 7:00		3	462	216680
3/13/24 7:30		3	462	216680
3/13/24 8:00		3	462	216680

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
3/13/24 8:30		3	462	216680
3/13/24 9:00		3	462	216680
3/13/24 9:30		3	462	216680
3/13/24 10:00		3	462	216680
3/13/24 10:30		3	462	216680
3/13/24 11:00		3	462	216680
3/13/24 11:30		3	462	216680
3/13/24 12:00		3	462	216680
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3/13/24 13:00		3	462	216680
3/13/24 13:30		3	462	216680
3/13/24 14:00		3	462	216680
3/13/24 14:30		3	462	216680
3/13/24 15:00		3	462	216680
3/13/24 15:30		3	462	216680
3/13/24 16:00		3	462	216680
3/13/24 16:30		3	462	216680
3/13/24 17:00		3	462	216680
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3/13/24 18:00		3	462	216680
3/13/24 18:30		3	462	216680
3/13/24 19:00		3	461	216680
3/13/24 19:30		3	462	216680
3/13/24 20:00		3	462	216680
3/13/24 20:30		3	462	216680
3/13/24 21:00		3	462	216680
3/13/24 21:30		3	462	216680
3/13/24 22:00		3	462	216680
3/13/24 22:30		3	462	216680
3/13/24 23:00		3	462	216680
3/13/24 23:30		3	462	216680
3/14/24 0:00		2	462	216680
3/14/24 0:30		2	462	216680
3/14/24 1:00		2	462	216680
3/14/24 1:30		2	462	216680
3/14/24 2:00		2	462	216680
3/14/24 2:30		2	462	216680
3/14/24 3:00		2	462	216680
3/14/24 3:30		2	462	216680
3/14/24 4:00		2	462	216680
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3/14/24 7:00		2	462	216680
3/14/24 7:30		2	462	216680
3/14/24 8:00		2	462	216680
3/14/24 8:30		2	462	216680
3/14/24 9:00		2	462	216680
3/14/24 9:30		2	462	216680
3/14/24 10:00		2	462	216680
3/14/24 10:30		2	462	216680
3/14/24 11:00		2	462	216680
3/14/24 11:30		2	462	216680
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3/14/24 13:00		2	462	216680
3/14/24 13:30		3	461	216680
3/14/24 14:00		3	462	216680
3/14/24 14:30		3	462	216680
3/14/24 15:00		3	461	216680

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
3/14/24 15:30		3	461	216680
3/14/24 16:00		3	462	216680
3/14/24 16:30		3	462	216680
3/14/24 17:00		3	462	216680
3/14/24 17:30		3	462	216680
3/14/24 18:00		3	461	216680
3/14/24 18:30		3	462	216680
3/14/24 19:00		3	462	216680
3/14/24 19:30		3	462	216680
3/14/24 20:00		3	461	216680
3/14/24 20:30		3	461	216680
3/14/24 21:00		3	461	216680
3/14/24 21:30		3	461	216680
3/14/24 22:00		3	461	216680
3/14/24 22:30		3	462	216680
3/14/24 23:00		3	462	216680
3/14/24 23:30		3	462	216680
3/15/24 0:00		3	462	216680
3/15/24 0:30		3	462	216680
3/15/24 1:00		3	462	216680
3/15/24 1:30		3	462	216680
3/15/24 2:00		2	462	216680
3/15/24 2:30		2	462	216680
3/15/24 3:00		2	462	216680
3/15/24 3:30		2	462	216680
3/15/24 4:00		2	462	216680
3/15/24 4:30		2	462	216680
3/15/24 5:00		2	462	216680
3/15/24 5:30		2	462	216680
3/15/24 6:00		2	462	216680
3/15/24 6:30		2	462	216680
3/15/24 7:00		2	462	216680
3/15/24 7:30		2	462	216680
3/15/24 8:00		2	462	216680
3/15/24 8:30		2	462	216680
3/15/24 9:00		2	462	216680
3/15/24 9:30		2	462	216680
3/15/24 10:00		2	462	216680
3/15/24 10:30		3	462	216680
3/15/24 11:00		3	462	216680
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3/15/24 14:30		3	462	216680
3/15/24 15:00		3	462	216680
3/15/24 15:30		3	462	216680
3/15/24 16:00		3	461	216680
3/15/24 16:30		3	462	216680
3/15/24 17:00		3	462	216680
3/15/24 17:30		3	461	216680
3/15/24 18:00		3	461	216680
3/15/24 18:30		3	461	216680
3/15/24 19:00		3	461	216680
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3/15/24 20:00		3	461	216680
3/15/24 20:30		3	461	216680
3/15/24 21:00		3	461	216680
3/15/24 21:30		3	461	216680
3/15/24 22:00		3	461	216680

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
3/15/24 22:30		3	462	216680
3/15/24 23:00		3	462	216680
3/15/24 23:30		3	462	216680
3/16/24 0:00		3	462	216680
3/16/24 0:30		3	462	216680
3/16/24 1:00		3	462	216680
3/16/24 1:30		3	462	216680
3/16/24 2:00		3	461	216680
3/16/24 2:30		3	461	216680
3/16/24 3:00		3	461	216680
3/16/24 3:30		3	461	216680
3/16/24 4:00		3	462	216680
3/16/24 4:30		3	461	216680
3/16/24 5:00		3	461	216680
3/16/24 5:30		3	462	216680
3/16/24 6:00		3	461	216680
3/16/24 6:30		3	462	216680
3/16/24 7:00		3	461	216680
3/16/24 7:30		3	461	216680
3/16/24 8:00		3	462	216680
3/16/24 8:30		3	462	216680
3/16/24 9:00		3	461	216680
3/16/24 9:30		3	461	216680
3/16/24 10:00		3	462	216680
3/16/24 10:30		3	462	216680
3/16/24 11:00		3	462	216680
3/16/24 11:30		3	462	216680
3/16/24 12:00		3	462	216680
3/16/24 12:30		3	462	216680
3/16/24 13:00		3	462	216680
3/16/24 13:30		3	462	216680
3/16/24 14:00		3	461	216680
3/16/24 14:30		3	461	216680
3/16/24 15:00		3	461	216680
3/16/24 15:30		3	461	216680
3/16/24 16:00		3	461	216680
3/16/24 16:30		3	461	216680
3/16/24 17:00		3	462	216680
3/16/24 17:30		3	462	216680
3/16/24 18:00		3	461	216680
3/16/24 18:30		3	461	216680
3/16/24 19:00		3	462	216680
3/16/24 19:30		3	461	216680
3/16/24 20:00		3	461	216680
3/16/24 20:30		3	461	216680
3/16/24 21:00		3	461	216680
3/16/24 21:30		3	461	216680
3/16/24 22:00		3	461	216680
3/16/24 22:30		3	461	216680
3/16/24 23:00		3	461	216680
3/16/24 23:30		3	461	216680
3/17/24 0:00		3	461	216680
3/17/24 0:30		3	461	216680
3/17/24 1:00		3	461	216680
3/17/24 1:30		3	461	216680
3/17/24 2:00		3	461	216680
3/17/24 2:30		3	461	216680
3/17/24 3:00		3	461	216680
3/17/24 3:30		3	461	216680
3/17/24 4:00		3	461	216680
3/17/24 4:30		3	461	216680
3/17/24 5:00		3	461	216680

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
3/17/24 5:30		3	461	216680
3/17/24 6:00		3	461	216680
3/17/24 6:30		3	461	216680
3/17/24 7:00		3	461	216680
3/17/24 7:30		3	461	216680
3/17/24 8:00		3	461	216680
3/17/24 8:30		3	461	216680
3/17/24 9:00		3	461	216680
3/17/24 9:30		3	461	216680
3/17/24 10:00		3	461	216680
3/17/24 10:30		3	461	216680
3/17/24 11:00		3	461	216680
3/17/24 11:30		3	462	216680
3/17/24 12:00		3	462	216680
3/17/24 12:30		3	461	216680
3/17/24 13:00		3	461	216680
3/17/24 13:30		3	461	216680
3/17/24 14:00		3	462	216680
3/17/24 14:30		3	461	216680
3/17/24 15:00		3	461	216680
3/17/24 15:30		3	461	216680
3/17/24 16:00		3	461	216680
3/17/24 16:30		3	461	216680
3/17/24 17:00		3	461	216680
3/17/24 17:30		3	461	216680
3/17/24 18:00		3	461	216680
3/17/24 18:30		3	461	216680
3/17/24 19:00		3	462	216680
3/17/24 19:30		3	462	216680
3/17/24 20:00		3	461	216680
3/17/24 20:30		3	461	216680
3/17/24 21:00		3	461	216680
3/17/24 21:30		3	461	216680
3/17/24 22:00		3	461	216680
3/17/24 22:30		3	461	216680
3/17/24 23:00		3	461	216680
3/17/24 23:30		3	461	216680
3/18/24 0:00		3	461	216680
3/18/24 0:30		3	461	216680
3/18/24 1:00		3	461	216680
3/18/24 1:30		3	461	216680
3/18/24 2:00		3	461	216680
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3/18/24 7:00		3	461	216680
3/18/24 7:30		3	461	216680
3/18/24 8:00		3	461	216680
3/18/24 8:30		3	461	216680
3/18/24 9:00		3	461	216680
3/18/24 9:30		3	461	216680
3/18/24 10:00		3	462	216680
3/18/24 10:30		3	462	216680
3/18/24 11:00		3	462	216680
3/18/24 11:30		3	462	216680
3/18/24 12:00		3	462	216680



Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
3/18/24 12:30		3	462	216680
3/18/24 13:00		3	462	216680
3/18/24 13:30		3	461	216680
3/18/24 14:00		4	461	216680
3/18/24 14:30		4	461	216680
3/18/24 15:00		4	461	216680
3/18/24 15:30		4	461	216680
3/18/24 16:00		4	461	216680
3/18/24 16:30		4	461	216680
3/18/24 17:00		4	461	216680
3/18/24 17:30		4	461	216680
3/18/24 18:00		4	461	216680
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3/18/24 19:00		4	461	216680
3/18/24 19:30		4	461	216680
3/18/24 20:00		4	461	216680
3/18/24 20:30		4	461	216680
3/18/24 21:00		4	461	216680
3/18/24 21:30		4	461	216680
3/18/24 22:00		3	461	216680
3/18/24 22:30		4	461	216680
3/18/24 23:00		3	461	216680
3/18/24 23:30		3	461	216680
3/19/24 0:00		3	461	216680
3/19/24 0:30		3	461	216680
3/19/24 1:00		3	461	216680
3/19/24 1:30		3	461	216680
3/19/24 2:00		3	461	216680
3/19/24 2:30		3	461	216680
3/19/24 3:00		3	461	216680
3/19/24 3:30		3	461	216680
3/19/24 4:00		3	461	216680
3/19/24 4:30		3	461	216680
3/19/24 5:00		3	461	216680
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3/19/24 7:00		3	461	216680
3/19/24 7:30		3	461	216680
3/19/24 8:00		3	461	216680
3/19/24 8:30		3	461	216680
3/19/24 9:00		3	461	216680
3/19/24 9:30		3	461	216680
3/19/24 10:00		3	461	216680
3/19/24 10:30		3	461	216680
3/19/24 11:00		3	462	216680
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3/19/24 13:30		3	461	216680
3/19/24 14:00		3	461	216680
3/19/24 14:30		3	461	216680
3/19/24 15:00		3	461	216680
3/19/24 15:30		3	461	216680
3/19/24 16:00		3	461	216680
3/19/24 16:30		4	461	216680
3/19/24 17:00		4	461	216680
3/19/24 17:30		4	461	216680
3/19/24 18:00		4	460	216680
3/19/24 18:30		4	461	216680
3/19/24 19:00		4	461	216680

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
3/19/24 19:30		4	461	216680
3/19/24 20:00		4	461	216680
3/19/24 20:30		4	461	216680
3/19/24 21:00		4	461	216680
3/19/24 21:30		4	461	216680
3/19/24 22:00		4	461	216680
3/19/24 22:30		4	461	216680
3/19/24 23:00		4	461	216680
3/19/24 23:30		3	461	216680
3/20/24 0:00		3	461	216680
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3/20/24 1:00		3	461	216680
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3/20/24 3:00		3	461	216680
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3/20/24 4:00		3	461	216680
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3/20/24 5:00		3	461	216680
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3/20/24 6:00		3	461	216680
3/20/24 6:30		3	461	216680
3/20/24 7:00		3	461	216680
3/20/24 7:30		3	461	216680
3/20/24 8:00		3	461	216680
3/20/24 8:30		3	461	216680
3/20/24 9:00		3	461	216680
3/20/24 9:30		3	461	216680
3/20/24 10:00		3	461	216680
3/20/24 10:30		3	462	216680
3/20/24 11:00		3	461	216680
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3/20/24 12:30		3	461	216680
3/20/24 13:00		4	461	216680
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3/20/24 14:00		4	461	216680
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3/20/24 15:00		4	461	216680
3/20/24 15:30		4	461	216680
3/20/24 16:00		4	461	216680
3/20/24 16:30		4	461	216680
3/20/24 17:00		4	461	216680
3/20/24 17:30		4	461	216680
3/20/24 18:00		4	461	216680
3/20/24 18:30		4	461	216680
3/20/24 19:00		4	460	216680
3/20/24 19:30		4	460	216680
3/20/24 20:00		4	461	216680
3/20/24 20:30		4	461	216680
3/20/24 21:00		4	461	216680
3/20/24 21:30		4	461	216680
3/20/24 22:00		4	461	216680
3/20/24 22:30		4	461	216680
3/20/24 23:00		4	461	216680
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3/21/24 0:00		4	461	216680
3/21/24 0:30		4	461	216680
3/21/24 1:00		4	461	216680
3/21/24 1:30		4	461	216680
3/21/24 2:00		4	461	216680

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
3/21/24 2:30		4	461	216680
3/21/24 3:00		4	461	216680
3/21/24 3:30		4	461	216680
3/21/24 4:00		4	461	216680
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3/21/24 5:00		4	461	216680
3/21/24 5:30		4	461	216680
3/21/24 6:00		4	461	216680
3/21/24 6:30		4	461	216680
3/21/24 7:00		4	461	216680
3/21/24 7:30		4	461	216680
3/21/24 8:00		4	461	216680
3/21/24 8:30		4	461	216680
3/21/24 9:00		3	461	216680
3/21/24 9:30		3	461	216680
3/21/24 10:00		3	461	216680
3/21/24 10:30		4	461	216680
3/21/24 11:00		4	461	216680
3/21/24 11:30		4	461	216680
3/21/24 12:00		4	461	216680
3/21/24 12:30		4	461	216680
3/21/24 13:00		4	461	216680
3/21/24 13:30		4	461	216680
3/21/24 14:00		4	461	216680
3/21/24 14:30		4	461	216680
3/21/24 15:00		4	461	216680
3/21/24 15:30		4	461	216680
3/21/24 16:00		4	461	216680
3/21/24 16:30		4	461	216680
3/21/24 17:00		4	461	216680
3/21/24 17:30		4	461	216680
3/21/24 18:00		4	461	216680
3/21/24 18:30		4	461	216680
3/21/24 19:00		4	461	216680
3/21/24 19:30		4	461	216680
3/21/24 20:00		4	461	216680
3/21/24 20:30		4	461	216680
3/21/24 21:00		4	460	216680
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3/21/24 22:00		4	461	216680
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3/21/24 23:30		4	461	216680
3/22/24 0:00		4	461	216680
3/22/24 0:30		4	461	216680
3/22/24 1:00		4	461	216680
3/22/24 1:30		4	461	216680
3/22/24 2:00		4	461	216680
3/22/24 2:30		4	461	216680
3/22/24 3:00		4	461	216680
3/22/24 3:30		4	461	216680
3/22/24 4:00		4	461	216680
3/22/24 4:30		4	461	216680
3/22/24 5:00		4	461	216680
3/22/24 5:30		4	461	216680
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3/22/24 7:00		4	461	216680
3/22/24 7:30		4	461	216680
3/22/24 8:00		4	461	216680
3/22/24 8:30		4	461	216680
3/22/24 9:00		4	461	216680

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
3/22/24 9:30		4	461	216680
3/22/24 10:00		4	461	216680
3/22/24 10:30		4	461	216680
3/22/24 11:00		4	461	216680
3/22/24 11:30		4	461	216680
3/22/24 12:00		4	461	216680
3/22/24 12:30		4	461	216680
3/22/24 13:00		4	461	216680
3/22/24 13:30		4	461	216680
3/22/24 14:00		4	461	216680
3/22/24 14:30		4	461	216680
3/22/24 15:00		4	461	216680
3/22/24 15:30		4	461	216680
3/22/24 16:00		4	461	216680
3/22/24 16:30		4	461	216680
3/22/24 17:00		4	461	216680
3/22/24 17:30		4	461	216680
3/22/24 18:00		4	461	216680
3/22/24 18:30		4	461	216680
3/22/24 19:00		4	461	216680
3/22/24 19:30		4	461	216680
3/22/24 20:00		4	461	216680
3/22/24 20:30		4	460	216680
3/22/24 21:00		4	460	216680
3/22/24 21:30		4	460	216680
3/22/24 22:00		4	461	216680
3/22/24 22:30		4	461	216680
3/22/24 23:00		4	461	216680
3/22/24 23:30		4	461	216680
3/23/24 0:00		4	461	216680
3/23/24 0:30		4	461	216680
3/23/24 1:00		4	461	216680
3/23/24 1:30		4	461	216680
3/23/24 2:00		4	461	216680
3/23/24 2:30		4	461	216680
3/23/24 3:00		4	461	216680
3/23/24 3:30		4	461	216680
3/23/24 4:00		4	461	216680
3/23/24 4:30		4	461	216680
3/23/24 5:00		4	461	216680
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3/23/24 6:30		4	461	216680
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3/23/24 8:00		4	461	216680
3/23/24 8:30		4	461	216680
3/23/24 9:00		4	461	216680
3/23/24 9:30		4	461	216680
3/23/24 10:00		4	461	216680
3/23/24 10:30		4	461	216680
3/23/24 11:00		4	461	216680
3/23/24 11:30		4	461	216680
3/23/24 12:00		4	461	216680
3/23/24 12:30		4	461	216680
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3/23/24 14:00		4	461	216680
3/23/24 14:30		4	461	216680
3/23/24 15:00		4	461	216680
3/23/24 15:30		4	461	216680
3/23/24 16:00		4	460	216680

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
3/23/24 16:30		4	460	216680
3/23/24 17:00		4	460	216680
3/23/24 17:30		4	460	216680
3/23/24 18:00		4	461	216680
3/23/24 18:30		4	461	216680
3/23/24 19:00		4	461	216680
3/23/24 19:30		4	461	216680
3/23/24 20:00		4	461	216680
3/23/24 20:30		4	461	216680
3/23/24 21:00		4	460	216680
3/23/24 21:30		4	461	216680
3/23/24 22:00		4	461	216680
3/23/24 22:30		4	461	216680
3/23/24 23:00		4	461	216680
3/23/24 23:30		4	461	216680
3/24/24 0:00		4	461	216680
3/24/24 0:30		4	461	216680
3/24/24 1:00		4	461	216680
3/24/24 1:30		4	461	216680
3/24/24 2:00		4	461	216680
3/24/24 2:30		4	461	216680
3/24/24 3:00		4	461	216680
3/24/24 3:30		4	461	216680
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3/24/24 4:30		4	461	216680
3/24/24 5:00		4	461	216680
3/24/24 5:30		4	461	216680
3/24/24 6:00		4	461	216680
3/24/24 6:30		4	461	216680
3/24/24 7:00		4	461	216680
3/24/24 7:30		4	461	216680
3/24/24 8:00		4	461	216680
3/24/24 8:30		4	461	216680
3/24/24 9:00		4	461	216680
3/24/24 9:30		4	461	216680
3/24/24 10:00		4	461	216680
3/24/24 10:30		4	461	216680
3/24/24 11:00		4	461	216680
3/24/24 11:30		4	460	216680
3/24/24 12:00		4	461	216680
3/24/24 12:30		4	461	216680
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3/24/24 13:30		4	461	216680
3/24/24 14:00		4	460	216680
3/24/24 14:30		4	460	216680
3/24/24 15:00		4	461	216680
3/24/24 15:30		4	461	216680
3/24/24 16:00		4	461	216680
3/24/24 16:30		4	460	216680
3/24/24 17:00		4	461	216680
3/24/24 17:30		4	460	216680
3/24/24 18:00		4	460	216680
3/24/24 18:30		4	460	216680
3/24/24 19:00		4	460	216680
3/24/24 19:30		4	461	216680
3/24/24 20:00		4	461	216680
3/24/24 20:30		4	461	216680
3/24/24 21:00		4	461	216680
3/24/24 21:30		4	460	216680
3/24/24 22:00		4	460	216680
3/24/24 22:30		4	460	216680
3/24/24 23:00		4	460	216680

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
3/24/24 23:30		4	460	216680
3/25/24 0:00		4	460	216680
3/25/24 0:30		4	461	216680
3/25/24 1:00		4	461	216680
3/25/24 1:30		4	461	216680
3/25/24 2:00		4	460	216680
3/25/24 2:30		4	460	216680
3/25/24 3:00		4	460	216680
3/25/24 3:30		4	460	216680
3/25/24 4:00		4	460	216680
3/25/24 4:30		4	460	216680
3/25/24 5:00		4	460	216680
3/25/24 5:30		4	460	216680
3/25/24 6:00		4	460	216680
3/25/24 6:30		4	460	216680
3/25/24 7:00		4	460	216680
3/25/24 7:30		4	460	216680
3/25/24 8:00		4	460	216680
3/25/24 8:30		4	460	216680
3/25/24 9:00		4	460	216680
3/25/24 9:30		4	460	216680
3/25/24 10:00		4	461	216680
3/25/24 10:30		4	461	216680
3/25/24 11:00		4	461	216680
3/25/24 11:30		4	461	216680
3/25/24 12:00		4	461	216680
3/25/24 12:30		4	461	216680
3/25/24 13:00		4	461	216680
3/25/24 13:30		4	461	216680
3/25/24 14:00		4	460	216680
3/25/24 14:30		4	461	216680
3/25/24 15:00		4	461	216680
3/25/24 15:30		4	460	216680
3/25/24 16:00		4	460	216680
3/25/24 16:30		4	461	216680
3/25/24 17:00		4	460	216680
3/25/24 17:30		4	460	216680
3/25/24 18:00		4	460	216680
3/25/24 18:30		4	460	216680
3/25/24 19:00		4	460	216680
3/25/24 19:30		4	460	216680
3/25/24 20:00		4	460	216680
3/25/24 20:30		4	460	216680
3/25/24 21:00		4	460	216680
3/25/24 21:30		4	460	216680
3/25/24 22:00		4	460	216680
3/25/24 22:30		4	460	216680
3/25/24 23:00		4	460	216680
3/25/24 23:30		4	460	216680
3/26/24 0:00		4	460	216680
3/26/24 0:30		4	460	216680
3/26/24 1:00		4	460	216680
3/26/24 1:30		4	460	216680
3/26/24 2:00		4	460	216680
3/26/24 2:30		4	460	216680
3/26/24 3:00		4	460	216680
3/26/24 3:30		4	460	216680
3/26/24 4:00		4	460	216680
3/26/24 4:30		4	460	216680
3/26/24 5:00		4	460	216680
3/26/24 5:30		4	460	216680
3/26/24 6:00		4	460	216680

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
3/26/24 6:30		4	460	216680
3/26/24 7:00		4	460	216680
3/26/24 7:30		4	460	216680
3/26/24 8:00		4	460	216680
3/26/24 8:30		4	460	216680
3/26/24 9:00		4	460	216680
3/26/24 9:30		4	461	216680
3/26/24 10:00		4	461	216680
3/26/24 10:30		4	461	216680
3/26/24 11:00		4	461	216680
3/26/24 11:30		4	461	216680
3/26/24 12:00		4	461	216680
3/26/24 12:30		4	461	216680
3/26/24 13:00		4	461	216680
3/26/24 13:30		4	460	216680
3/26/24 14:00		4	460	216680
3/26/24 14:30		4	460	216680
3/26/24 15:00		4	460	216680
3/26/24 15:30		4	460	216680
3/26/24 16:00		4	460	216680
3/26/24 16:30		4	460	216680
3/26/24 17:00		4	460	216680
3/26/24 17:30		4	460	216680
3/26/24 18:00		4	460	216680
3/26/24 18:30		4	460	216680
3/26/24 19:00		4	460	216680
3/26/24 19:30		4	460	216680
3/26/24 20:00		4	460	216680
3/26/24 20:30		4	460	216680
3/26/24 21:00		4	460	216680
3/26/24 21:30		4	460	216680
3/26/24 22:00		4	460	216680
3/26/24 22:30		4	460	216680
3/26/24 23:00		4	460	216680
3/26/24 23:30		4	460	216680
3/27/24 0:00		4	460	216680
3/27/24 0:30		4	460	216680
3/27/24 1:00		4	460	216680
3/27/24 1:30		4	460	216680
3/27/24 2:00		4	460	216680
3/27/24 2:30		4	460	216680
3/27/24 3:00		4	460	216680
3/27/24 3:30		4	460	216680
3/27/24 4:00		4	460	216680
3/27/24 4:30		4	460	216680
3/27/24 5:00		4	460	216680
3/27/24 5:30		4	460	216680
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3/27/24 6:30		4	460	216680
3/27/24 7:00		4	460	216680
3/27/24 7:30		4	460	216680
3/27/24 8:00		4	460	216680
3/27/24 8:30		4	460	216680
3/27/24 9:00		4	460	216680
3/27/24 9:30		4	460	216680
3/27/24 10:00		4	461	216680
3/27/24 10:30		4	461	216680
3/27/24 11:00		4	461	216680
3/27/24 11:30		4	461	216680
3/27/24 12:00		4	460	216680
3/27/24 12:30		4	460	216680
3/27/24 13:00		4	460	216680

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
3/27/24 13:30		4	460	216680
3/27/24 14:00		4	460	216680
3/27/24 14:30		4	460	216680
3/27/24 15:00		4	460	216680
3/27/24 15:30		5	460	216680
3/27/24 16:00		5	460	216680
3/27/24 16:30		5	460	216680
3/27/24 17:00		5	460	216680
3/27/24 17:30		5	460	216680
3/27/24 18:00		5	460	216680
3/27/24 18:30		5	460	216680
3/27/24 19:00		5	460	216680
3/27/24 19:30		5	460	216680
3/27/24 20:00		5	460	216680
3/27/24 20:30		5	460	216680
3/27/24 21:00		5	460	216680
3/27/24 21:30		5	460	216680
3/27/24 22:00		5	460	216680
3/27/24 22:30		5	460	216680
3/27/24 23:00		5	460	216680
3/27/24 23:30		5	460	216680
3/28/24 0:00		5	460	216680
3/28/24 0:30		5	460	216680
3/28/24 1:00		5	460	216680
3/28/24 1:30		5	460	216680
3/28/24 2:00		5	460	216680
3/28/24 2:30		5	460	216680
3/28/24 3:00		4	460	216680
3/28/24 3:30		4	460	216680
3/28/24 4:00		4	460	216680
3/28/24 4:30		4	460	216680
3/28/24 5:00		4	460	216680
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3/28/24 6:30		4	460	216680
3/28/24 7:00		4	460	216680
3/28/24 7:30		4	460	216680
3/28/24 8:00		4	460	216680
3/28/24 8:30		4	460	216680
3/28/24 9:00		4	460	216680
3/28/24 9:30		4	460	216680
3/28/24 10:00		4	460	216680
3/28/24 10:30		4	460	216680
3/28/24 11:00		5	461	216680
3/28/24 11:30		4	460	216680
3/28/24 12:00		5	460	216680
3/28/24 12:30		5	460	216680
3/28/24 13:00		5	460	216680
3/28/24 13:30		5	460	216680
3/28/24 14:00		5	460	216680
3/28/24 14:30		5	460	216680
3/28/24 15:00		5	460	216680
3/28/24 15:30		5	460	216680
3/28/24 16:00		5	460	216680
3/28/24 16:30		5	460	216680
3/28/24 17:00		5	460	216680
3/28/24 17:30		5	460	216680
3/28/24 18:00		5	460	216680
3/28/24 18:30		5	460	216680
3/28/24 19:00		5	460	216680
3/28/24 19:30		5	460	216680
3/28/24 20:00		5	460	216680



Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
3/28/24 20:30		5	460	216680
3/28/24 21:00		5	460	216680
3/28/24 21:30		5	460	216680
3/28/24 22:00		5	460	216680
3/28/24 22:30		5	460	216680
3/28/24 23:00		5	460	216680
3/28/24 23:30		5	460	216680
3/29/24 0:00		5	460	216680
3/29/24 0:30		5	460	216680
3/29/24 1:00		5	460	216680
3/29/24 1:30		5	460	216680
3/29/24 2:00		5	460	216680
3/29/24 2:30		5	460	216680
3/29/24 3:00		5	460	216680
3/29/24 3:30		5	460	216680
3/29/24 4:00		5	460	216680
3/29/24 4:30		5	460	216680
3/29/24 5:00		5	460	216680
3/29/24 5:30		5	460	216680
3/29/24 6:00		5	460	216680
3/29/24 6:30		5	460	216680
3/29/24 7:00		5	460	216680
3/29/24 7:30		5	460	216680
3/29/24 8:00		5	460	216680
3/29/24 8:30		5	460	216680
3/29/24 9:00		4	460	216680
3/29/24 9:30		5	460	216680
3/29/24 10:00		4	460	216680
3/29/24 10:30		5	460	216680
3/29/24 11:00		5	460	216680
3/29/24 11:30		5	460	216680
3/29/24 12:00		5	460	216680
3/29/24 12:30		5	460	216680
3/29/24 13:00		5	460	216680
3/29/24 13:30		5	460	216680
3/29/24 14:00		5	460	216680
3/29/24 14:30		5	460	216680
3/29/24 15:00		5	460	216680
3/29/24 15:30		5	460	216680
3/29/24 16:00		5	460	216680
3/29/24 16:30		5	460	216680
3/29/24 17:00		5	459	216680
3/29/24 17:30		5	460	216680
3/29/24 18:00		5	460	216680
3/29/24 18:30		5	459	216680
3/29/24 19:00		5	460	216680
3/29/24 19:30		5	460	216680
3/29/24 20:00		5	460	216680
3/29/24 20:30		5	460	216680
3/29/24 21:00		5	460	216680
3/29/24 21:30		5	460	216680
3/29/24 22:00		5	460	216680
3/29/24 22:30		5	460	216680
3/29/24 23:00		5	460	216680
3/29/24 23:30		5	460	216680
3/30/24 0:00		5	460	216680
3/30/24 0:30		5	460	216680
3/30/24 1:00		5	460	216680
3/30/24 1:30		5	460	216680
3/30/24 2:00		5	460	216680
3/30/24 2:30		5	460	216680
3/30/24 3:00		5	460	216680

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
3/30/24 3:30		5	460	216680
3/30/24 4:00		5	460	216680
3/30/24 4:30		5	460	216680
3/30/24 5:00		5	460	216680
3/30/24 5:30		5	460	216680
3/30/24 6:00		5	460	216680
3/30/24 6:30		5	460	216680
3/30/24 7:00		5	460	216680
3/30/24 7:30		5	460	216680
3/30/24 8:00		5	460	216680
3/30/24 8:30		5	460	216680
3/30/24 9:00		5	460	216680
3/30/24 9:30		5	460	216680
3/30/24 10:00		5	460	216680
3/30/24 10:30		5	460	216680
3/30/24 11:00		5	460	216680
3/30/24 11:30		5	460	216680
3/30/24 12:00		5	460	216680
3/30/24 12:30		5	460	216680
3/30/24 13:00		5	460	216680
3/30/24 13:30		5	460	216680
3/30/24 14:00		5	460	216680
3/30/24 14:30		5	460	216680
3/30/24 15:00		5	460	216680
3/30/24 15:30		5	460	216680
3/30/24 16:00		5	460	216680
3/30/24 16:30		5	459	216680
3/30/24 17:00		5	460	216680
3/30/24 17:30		5	460	216680
3/30/24 18:00		5	460	216680
3/30/24 18:30		5	460	216680
3/30/24 19:00		5	460	216680
3/30/24 19:30		5	460	216680
3/30/24 20:00		5	459	216680
3/30/24 20:30		5	460	216680
3/30/24 21:00		5	460	216680
3/30/24 21:30		5	459	216680
3/30/24 22:00		5	459	216680
3/30/24 22:30		5	460	216680
3/30/24 23:00		5	460	216680
3/30/24 23:30		5	460	216680
3/31/24 0:00		5	460	216680
3/31/24 0:30		5	460	216680
3/31/24 1:00		5	460	216680
3/31/24 1:30		5	460	216680
3/31/24 2:00		5	460	216680
3/31/24 2:30		5	460	216680
3/31/24 3:00		5	460	216680
3/31/24 3:30		5	460	216680
3/31/24 4:00		5	460	216680
3/31/24 4:30		5	460	216680
3/31/24 5:00		5	460	216680
3/31/24 5:30		5	460	216680
3/31/24 6:00		5	460	216680
3/31/24 6:30		5	460	216680
3/31/24 7:00		5	460	216680
3/31/24 7:30		5	460	216680
3/31/24 8:00		5	460	216680
3/31/24 8:30		5	460	216680
3/31/24 9:00		5	460	216680
3/31/24 9:30		5	460	216680
3/31/24 10:00		5	460	216680

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
3/31/24 10:30		5	460	216680
3/31/24 11:00		5	460	216680
3/31/24 11:30		5	460	216680
3/31/24 12:00		5	460	216680
3/31/24 12:30		5	460	216680
3/31/24 13:00		5	460	216680
3/31/24 13:30		5	460	216680
3/31/24 14:00		5	459	216680
3/31/24 14:30		5	460	216680
3/31/24 15:00		5	460	216680
3/31/24 15:30		5	460	216680
3/31/24 16:00		5	460	216680
3/31/24 16:30		5	460	216680
3/31/24 17:00		5	459	216680
3/31/24 17:30		5	459	216680
3/31/24 18:00		5	459	216680
3/31/24 18:30		5	459	216680
3/31/24 19:00		5	459	216680
3/31/24 19:30		5	459	216680
3/31/24 20:00		5	459	216680
3/31/24 20:30		5	460	216680
3/31/24 21:00		5	460	216680
3/31/24 21:30		5	460	216680
3/31/24 22:00		5	460	216680
3/31/24 22:30		5	460	216680
3/31/24 23:00		5	460	216680
3/31/24 23:30		5	460	216680

## Injection Well Operational Log

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
4/1/24 0:00		5	459	216680
4/1/24 0:30		5	460	216680
4/1/24 1:00		5	460	216680
4/1/24 1:30		5	460	216680
4/1/24 2:00		5	460	216680
4/1/24 2:30		5	459	216680
4/1/24 3:00		5	460	216680
4/1/24 3:30		5	459	216680
4/1/24 4:00		5	459	216680
4/1/24 4:30		5	459	216680
4/1/24 5:00		5	459	216680
4/1/24 5:30		5	459	216680
4/1/24 6:00		5	459	216680
4/1/24 6:30		5	459	216680
4/1/24 7:00		5	459	216680
4/1/24 7:30		5	459	216680
4/1/24 8:00		5	459	216680
4/1/24 8:30		5	459	216680
4/1/24 9:00		5	459	216680
4/1/24 9:30		5	459	216680
4/1/24 10:00		5	460	216680
4/1/24 10:30		5	460	216680
4/1/24 11:00		5	460	216680
4/1/24 11:30		5	460	216680
4/1/24 12:00		5	460	216680
4/1/24 12:30		5	460	216680
4/1/24 13:00		5	460	216680
4/1/24 13:30		5	460	216680
4/1/24 14:00		5	460	216680
4/1/24 14:30		5	460	216680
4/1/24 15:00		5	460	216680
4/1/24 15:30		5	460	216680
4/1/24 16:00		5	459	216680
4/1/24 16:30		5	459	216680
4/1/24 17:00		5	460	216680
4/1/24 17:30		5	460	216680
4/1/24 18:00		5	459	216680
4/1/24 18:30		5	460	216680
4/1/24 19:00		5	460	216680
4/1/24 19:30		5	459	216680
4/1/24 20:00		5	459	216680
4/1/24 20:30		5	459	216680
4/1/24 21:00		5	459	216680
4/1/24 21:30		5	459	216680
4/1/24 22:00		5	459	216680
4/1/24 22:30		5	459	216680
4/1/24 23:00		5	459	216680
4/1/24 23:30		5	459	216680
4/2/24 0:00		5	459	216680
4/2/24 0:30		5	459	216680
4/2/24 1:00		5	459	216680
4/2/24 1:30		5	459	216680
4/2/24 2:00		5	459	216680
4/2/24 2:30		5	459	216680
4/2/24 3:00		5	459	216680
4/2/24 3:30		5	459	216680
4/2/24 4:00		5	459	216680
4/2/24 4:30		5	459	216680
4/2/24 5:00		5	459	216680
4/2/24 5:30		5	459	216680
4/2/24 6:00		5	459	216680

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
4/2/24 6:30		5	459	216680
4/2/24 7:00		5	459	216680
4/2/24 7:30		5	459	216680
4/2/24 8:00		5	459	216680
4/2/24 8:30		5	459	216680
4/2/24 9:00		5	459	216680
4/2/24 9:30		5	460	216680
4/2/24 10:00		5	460	216680
4/2/24 10:30		5	460	216680
4/2/24 11:00		5	460	216680
4/2/24 11:30		5	460	216680
4/2/24 12:00		5	460	216680
4/2/24 12:30		5	460	216680
4/2/24 13:00		5	460	216680
4/2/24 13:30		5	459	216680
4/2/24 14:00		5	459	216680
4/2/24 14:30		5	459	216680
4/2/24 15:00		5	459	216680
4/2/24 15:30		5	459	216680
4/2/24 16:00		5	459	216680
4/2/24 16:30		6	459	216680
4/2/24 17:00		6	459	216680
4/2/24 17:30		6	459	216680
4/2/24 18:00		6	459	216680
4/2/24 18:30		6	459	216680
4/2/24 19:00		6	459	216680
4/2/24 19:30		6	459	216680
4/2/24 20:00		6	459	216680
4/2/24 20:30		6	459	216680
4/2/24 21:00		6	459	216680
4/2/24 21:30		6	459	216680
4/2/24 22:00		6	459	216680
4/2/24 22:30		6	459	216680
4/2/24 23:00		6	459	216680
4/2/24 23:30		6	459	216680
4/3/24 0:00		6	459	216680
4/3/24 0:30		6	459	216680
4/3/24 1:00		6	459	216680
4/3/24 1:30		5	459	216680
4/3/24 2:00		5	459	216680
4/3/24 2:30		5	459	216680
4/3/24 3:00		5	459	216680
4/3/24 3:30		5	459	216680
4/3/24 4:00		5	459	216680
4/3/24 4:30		5	459	216680
4/3/24 5:00		5	459	216680
4/3/24 5:30		5	459	216680
4/3/24 6:00		5	459	216680
4/3/24 6:30		5	459	216680
4/3/24 7:00		5	459	216680
4/3/24 7:30		5	459	216680
4/3/24 8:00		5	459	216680
4/3/24 8:30		5	459	216680
4/3/24 9:00		5	459	216680
4/3/24 9:30		5	459	216680
4/3/24 10:00		5	460	216680
4/3/24 10:30		5	460	216680
4/3/24 11:00		5	460	216680
4/3/24 11:30		5	460	216680
4/3/24 12:00		5	460	216680
4/3/24 12:30		5	459	216680
4/3/24 13:00		5	459	216680

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
4/3/24 13:30		5	459	216680
4/3/24 14:00		6	459	216680
4/3/24 14:30		-1	469	216682
4/3/24 15:00		-1	464	216682
4/3/24 15:30		-1	462	216682
4/3/24 16:00		-1	461	216682
4/3/24 16:30		-1	461	216682
4/3/24 17:00		-1	461	216682
4/3/24 17:30		-1	460	216682
4/3/24 18:00		-1	460	216682
4/3/24 18:30		-1	460	216682
4/3/24 19:00		-1	460	216682
4/3/24 19:30		-1	460	216682
4/3/24 20:00		-1	460	216682
4/3/24 20:30		-1	460	216682
4/3/24 21:00		-1	459	216682
4/3/24 21:30		-1	459	216682
4/3/24 22:00		-1	459	216682
4/3/24 22:30		-1	459	216682
4/3/24 23:00		-1	460	216682
4/3/24 23:30		-1	460	216682
4/4/24 0:00		-1	460	216682
4/4/24 0:30		-1	460	216682
4/4/24 1:00		-1	460	216682
4/4/24 1:30		-1	460	216682
4/4/24 2:00		-1	460	216682
4/4/24 2:30		-1	460	216682
4/4/24 3:00		-1	460	216682
4/4/24 3:30		-1	460	216682
4/4/24 4:00		-1	460	216682
4/4/24 4:30		-1	459	216682
4/4/24 5:00		-1	459	216682
4/4/24 5:30		-1	459	216682
4/4/24 6:00		-1	459	216682
4/4/24 6:30		-1	460	216682
4/4/24 7:00		-1	460	216682
4/4/24 7:30		-1	459	216682
4/4/24 8:00		-1	459	216682
4/4/24 8:30		-1	459	216682
4/4/24 9:00		-1	459	216682
4/4/24 9:30		-1	460	216682
4/4/24 10:00		-1	460	216682
4/4/24 10:30		1	460	216682
4/4/24 11:00		1	460	216682
4/4/24 11:30		1	460	216682
4/4/24 12:00		1	460	216682
4/4/24 12:30		1	460	216682
4/4/24 13:00		1	460	216682
4/4/24 13:30		1	460	216682
4/4/24 14:00		1	460	216682
4/4/24 14:30		1	460	216682
4/4/24 15:00		1	459	216682
4/4/24 15:30		1	459	216682
4/4/24 16:00		1	459	216682
4/4/24 16:30		1	459	216682
4/4/24 17:00		1	459	216682
4/4/24 17:30		1	459	216682
4/4/24 18:00		1	459	216682
4/4/24 18:30		1	459	216682
4/4/24 19:00		1	459	216682
4/4/24 19:30		1	459	216682
4/4/24 20:00		1	459	216682

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
4/4/24 20:30		1	459	216682
4/4/24 21:00		1	459	216682
4/4/24 21:30		1	459	216682
4/4/24 22:00		1	459	216682
4/4/24 22:30		1	459	216682
4/4/24 23:00		1	459	216682
4/4/24 23:30		1	459	216682
4/5/24 0:00		1	459	216682
4/5/24 0:30		1	459	216682
4/5/24 1:00		1	459	216682
4/5/24 1:30		1	459	216682
4/5/24 2:00		1	459	216682
4/5/24 2:30		1	459	216682
4/5/24 3:00		1	459	216682
4/5/24 3:30		1	459	216682
4/5/24 4:00		1	459	216682
4/5/24 4:30		1	459	216682
4/5/24 5:00		1	459	216682
4/5/24 5:30		1	459	216682
4/5/24 6:00		1	459	216682
4/5/24 6:30		1	459	216682
4/5/24 7:00		1	459	216682
4/5/24 7:30		1	459	216682
4/5/24 8:00		1	459	216682
4/5/24 8:30		1	459	216682
4/5/24 9:00		1	459	216682
4/5/24 9:30		1	459	216682
4/5/24 10:00		1	459	216682
4/5/24 10:30		1	459	216682
4/5/24 11:00		1	459	216682
4/5/24 11:30		1	459	216682
4/5/24 12:00		1	460	216682
4/5/24 12:30		1	460	216682
4/5/24 13:00		2	460	216682
4/5/24 13:30		2	460	216682
4/5/24 14:00		2	459	216682
4/5/24 14:30		2	459	216682
4/5/24 15:00		2	459	216682
4/5/24 15:30		2	459	216682
4/5/24 16:00		2	459	216682
4/5/24 16:30		2	459	216682
4/5/24 17:00		2	459	216682
4/5/24 17:30		2	459	216682
4/5/24 18:00		2	459	216682
4/5/24 18:30		2	459	216682
4/5/24 19:00		2	459	216682
4/5/24 19:30		2	459	216682
4/5/24 20:00		2	459	216682
4/5/24 20:30		2	459	216682
4/5/24 21:00		2	459	216682
4/5/24 21:30		2	459	216682
4/5/24 22:00		2	459	216682
4/5/24 22:30		2	459	216682
4/5/24 23:00		2	459	216682
4/5/24 23:30		2	459	216682
4/6/24 0:00		2	459	216682
4/6/24 0:30		2	459	216682
4/6/24 1:00		2	459	216682
4/6/24 1:30		2	459	216682
4/6/24 2:00		2	459	216682
4/6/24 2:30		2	459	216682
4/6/24 3:00		2	459	216682

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
4/6/24 3:30		2	459	216682
4/6/24 4:00		2	459	216682
4/6/24 4:30		2	459	216682
4/6/24 5:00		2	459	216682
4/6/24 5:30		2	459	216682
4/6/24 6:00		2	459	216682
4/6/24 6:30		2	459	216682
4/6/24 7:00		2	459	216682
4/6/24 7:30		2	459	216682
4/6/24 8:00		2	459	216682
4/6/24 8:30		2	459	216682
4/6/24 9:00		2	459	216682
4/6/24 9:30		2	459	216682
4/6/24 10:00		2	459	216682
4/6/24 10:30		2	460	216682
4/6/24 11:00		2	460	216682
4/6/24 11:30		2	459	216682
4/6/24 12:00		2	459	216682
4/6/24 12:30		2	459	216682
4/6/24 13:00		2	459	216682
4/6/24 13:30		2	459	216682
4/6/24 14:00		2	459	216682
4/6/24 14:30		2	459	216682
4/6/24 15:00		2	459	216682
4/6/24 15:30		2	459	216682
4/6/24 16:00		2	459	216682
4/6/24 16:30		2	459	216682
4/6/24 17:00		2	459	216682
4/6/24 17:30		2	459	216682
4/6/24 18:00		2	459	216682
4/6/24 18:30		2	459	216682
4/6/24 19:00		2	459	216682
4/6/24 19:30		2	459	216682
4/6/24 20:00		2	459	216682
4/6/24 20:30		2	459	216682
4/6/24 21:00		2	459	216682
4/6/24 21:30		2	459	216682
4/6/24 22:00		2	459	216682
4/6/24 22:30		2	459	216682
4/6/24 23:00		2	459	216682
4/6/24 23:30		2	459	216682
4/7/24 0:00		2	459	216682
4/7/24 0:30		2	459	216682
4/7/24 1:00		2	459	216682
4/7/24 1:30		2	459	216682
4/7/24 2:00		2	459	216682
4/7/24 2:30		2	459	216682
4/7/24 3:00		2	459	216682
4/7/24 3:30		2	459	216682
4/7/24 4:00		2	459	216682
4/7/24 4:30		2	459	216682
4/7/24 5:00		2	459	216682
4/7/24 5:30		2	459	216682
4/7/24 6:00		2	458	216682
4/7/24 6:30		2	459	216682
4/7/24 7:00		2	459	216682
4/7/24 7:30		2	458	216682
4/7/24 8:00		2	458	216682
4/7/24 8:30		2	459	216682
4/7/24 9:00		2	459	216682
4/7/24 9:30		2	459	216682
4/7/24 10:00		2	459	216682



Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
4/7/24 10:30		2	459	216682
4/7/24 11:00		2	459	216682
4/7/24 11:30		2	459	216682
4/7/24 12:00		2	459	216682
4/7/24 12:30		3	459	216682
4/7/24 13:00		3	459	216682
4/7/24 13:30		3	459	216682
4/7/24 14:00		1	459	216682
4/7/24 14:30		1	459	216682
4/7/24 15:00		1	459	216682
4/7/24 15:30		1	459	216682
4/7/24 16:00		1	459	216682
4/7/24 16:30		2	459	216682
4/7/24 17:00		2	459	216682
4/7/24 17:30		2	459	216682
4/7/24 18:00		2	459	216682
4/7/24 18:30		2	459	216682
4/7/24 19:00		2	459	216682
4/7/24 19:30		2	459	216682
4/7/24 20:00		2	459	216682
4/7/24 20:30		2	459	216682
4/7/24 21:00		2	458	216682
4/7/24 21:30		2	459	216682
4/7/24 22:00		2	459	216682
4/7/24 22:30		2	459	216682
4/7/24 23:00		2	459	216682
4/7/24 23:30		2	459	216682
4/8/24 0:00		2	459	216682
4/8/24 0:30		2	459	216682
4/8/24 1:00		2	459	216682
4/8/24 1:30		2	459	216682
4/8/24 2:00		2	459	216682
4/8/24 2:30		2	459	216682
4/8/24 3:00		2	459	216682
4/8/24 3:30		2	459	216682
4/8/24 4:00		2	459	216682
4/8/24 4:30		2	459	216682
4/8/24 5:00		2	459	216682
4/8/24 5:30		2	459	216682
4/8/24 6:00		2	459	216682
4/8/24 6:30		2	458	216682
4/8/24 7:00		2	458	216682
4/8/24 7:30		2	458	216682
4/8/24 8:00		2	459	216682
4/8/24 8:30		2	458	216682
4/8/24 9:00		2	458	216682
4/8/24 9:30		2	458	216682
4/8/24 10:00		2	459	216682
4/8/24 10:30		2	459	216682
4/8/24 11:00		2	459	216682
4/8/24 11:30		2	459	216682
4/8/24 12:00		2	459	216682
4/8/24 12:30		2	459	216682
4/8/24 13:00		2	459	216682
4/8/24 13:30		2	459	216682
4/8/24 14:00		2	459	216682
4/8/24 14:30		2	458	216682
4/8/24 15:00		2	459	216682
4/8/24 15:30		2	459	216682
4/8/24 16:00		2	459	216682
4/8/24 16:30		2	459	216682
4/8/24 17:00		2	459	216682

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
4/8/24 17:30		2	459	216682
4/8/24 18:00		2	458	216682
4/8/24 18:30		2	458	216682
4/8/24 19:00		2	459	216682
4/8/24 19:30		2	459	216682
4/8/24 20:00		2	459	216682
4/8/24 20:30		2	459	216682
4/8/24 21:00		2	459	216682
4/8/24 21:30		2	459	216682
4/8/24 22:00		2	459	216682
4/8/24 22:30		2	459	216682
4/8/24 23:00		2	459	216682
4/8/24 23:30		2	459	216682
4/9/24 0:00		2	459	216682
4/9/24 0:30		2	459	216682
4/9/24 1:00		2	459	216682
4/9/24 1:30		2	459	216682
4/9/24 2:00		2	459	216682
4/9/24 2:30		2	459	216682
4/9/24 3:00		2	459	216682
4/9/24 3:30		2	459	216682
4/9/24 4:00		2	459	216682
4/9/24 4:30		2	459	216682
4/9/24 5:00		2	458	216682
4/9/24 5:30		2	458	216682
4/9/24 6:00		2	458	216682
4/9/24 6:30		2	458	216682
4/9/24 7:00		2	458	216682
4/9/24 7:30		2	458	216682
4/9/24 8:00		2	458	216682
4/9/24 8:30		2	458	216682
4/9/24 9:00		2	458	216682
4/9/24 9:30		2	459	216682
4/9/24 10:00		2	459	216682
4/9/24 10:30		2	459	216682
4/9/24 11:00		2	459	216682
4/9/24 11:30		2	459	216682
4/9/24 12:00		3	459	216682
4/9/24 12:30		3	459	216682
4/9/24 13:00		3	459	216682
4/9/24 13:30		3	459	216682
4/9/24 14:00		3	459	216682
4/9/24 14:30		3	459	216682
4/9/24 15:00		3	459	216682
4/9/24 15:30		3	459	216682
4/9/24 16:00		3	459	216682
4/9/24 16:30		3	459	216682
4/9/24 17:00		3	459	216682
4/9/24 17:30		3	459	216682
4/9/24 18:00		3	459	216682
4/9/24 18:30		3	459	216682
4/9/24 19:00		3	459	216682
4/9/24 19:30		3	458	216682
4/9/24 20:00		3	458	216682
4/9/24 20:30		3	458	216682
4/9/24 21:00		3	458	216682
4/9/24 21:30		3	458	216682
4/9/24 22:00		3	458	216682
4/9/24 22:30		3	458	216682
4/9/24 23:00		3	459	216682
4/9/24 23:30		3	459	216682
4/10/24 0:00		3	459	216682

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
4/10/24 0:30		3	459	216682
4/10/24 1:00		3	459	216682
4/10/24 1:30		3	459	216682
4/10/24 2:00		3	459	216682
4/10/24 2:30		3	459	216682
4/10/24 3:00		3	459	216682
4/10/24 3:30		3	459	216682
4/10/24 4:00		3	459	216682
4/10/24 4:30		3	458	216682
4/10/24 5:00		3	458	216682
4/10/24 5:30		3	459	216682
4/10/24 6:00		3	458	216682
4/10/24 6:30		3	459	216682
4/10/24 7:00		3	458	216682
4/10/24 7:30		3	458	216682
4/10/24 8:00		3	458	216682
4/10/24 8:30		3	458	216682
4/10/24 9:00		3	459	216682
4/10/24 9:30		3	459	216682
4/10/24 10:00		3	459	216682
4/10/24 10:30		3	459	216682
4/10/24 11:00		3	459	216682
4/10/24 11:30		3	459	216682
4/10/24 12:00		3	459	216682
4/10/24 12:30		3	459	216682
4/10/24 13:00		3	459	216682
4/10/24 13:30		3	459	216682
4/10/24 14:00		3	459	216682
4/10/24 14:30		3	459	216682
4/10/24 15:00		3	458	216682
4/10/24 15:30		3	459	216682
4/10/24 16:00		3	458	216682
4/10/24 16:30		3	458	216682
4/10/24 17:00		3	458	216682
4/10/24 17:30		3	458	216682
4/10/24 18:00		4	458	216682
4/10/24 18:30		4	458	216682
4/10/24 19:00		4	458	216682
4/10/24 19:30		4	458	216682
4/10/24 20:00		4	458	216682
4/10/24 20:30		4	458	216682
4/10/24 21:00		4	458	216682
4/10/24 21:30		4	458	216682
4/10/24 22:00		4	458	216682
4/10/24 22:30		4	458	216682
4/10/24 23:00		4	458	216682
4/10/24 23:30		3	458	216682
4/11/24 0:00		4	458	216682
4/11/24 0:30		4	459	216682
4/11/24 1:00		3	458	216682
4/11/24 1:30		3	458	216682
4/11/24 2:00		3	458	216682
4/11/24 2:30		3	458	216682
4/11/24 3:00		3	458	216682
4/11/24 3:30		3	458	216682
4/11/24 4:00		3	458	216682
4/11/24 4:30		3	458	216682
4/11/24 5:00		3	458	216682
4/11/24 5:30		3	458	216682
4/11/24 6:00		3	458	216682
4/11/24 6:30		3	458	216682
4/11/24 7:00		3	458	216682

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
4/11/24 7:30		3	458	216682
4/11/24 8:00		3	458	216682
4/11/24 8:30		3	458	216682
4/11/24 9:00		3	458	216682
4/11/24 9:30		3	459	216682
4/11/24 10:00		3	459	216682
4/11/24 10:30		3	459	216682
4/11/24 11:00		3	459	216682
4/11/24 11:30		3	459	216682
4/11/24 12:00		3	459	216682
4/11/24 12:30		3	459	216682
4/11/24 13:00		4	459	216682
4/11/24 13:30		4	459	216682
4/11/24 14:00		4	459	216682
4/11/24 14:30		4	458	216682
4/11/24 15:00		4	458	216682
4/11/24 15:30		4	458	216682
4/11/24 16:00		4	458	216682
4/11/24 16:30		4	458	216682
4/11/24 17:00		4	458	216682
4/11/24 17:30		4	458	216682
4/11/24 18:00		4	458	216682
4/11/24 18:30		4	458	216682
4/11/24 19:00		4	458	216682
4/11/24 19:30		4	458	216682
4/11/24 20:00		4	458	216682
4/11/24 20:30		4	458	216682
4/11/24 21:00		4	458	216682
4/11/24 21:30		4	458	216682
4/11/24 22:00		4	458	216682
4/11/24 22:30		4	458	216682
4/11/24 23:00		4	458	216682
4/11/24 23:30		4	458	216682
4/12/24 0:00		4	458	216682
4/12/24 0:30		4	458	216682
4/12/24 1:00		4	458	216682
4/12/24 1:30		4	458	216682
4/12/24 2:00		4	458	216682
4/12/24 2:30		4	458	216682
4/12/24 3:00		4	458	216682
4/12/24 3:30		4	458	216682
4/12/24 4:00		4	458	216682
4/12/24 4:30		4	458	216682
4/12/24 5:00		4	458	216682
4/12/24 5:30		4	458	216682
4/12/24 6:00		4	458	216682
4/12/24 6:30		4	458	216682
4/12/24 7:00		4	458	216682
4/12/24 7:30		4	458	216682
4/12/24 8:00		4	458	216682
4/12/24 8:30		4	458	216682
4/12/24 9:00		4	458	216682
4/12/24 9:30		4	459	216682
4/12/24 10:00		4	459	216682
4/12/24 10:30		4	459	216682
4/12/24 11:00		4	459	216682
4/12/24 11:30		4	459	216682
4/12/24 12:00		4	459	216682
4/12/24 12:30		4	459	216682
4/12/24 13:00		4	459	216682
4/12/24 13:30		4	459	216682
4/12/24 14:00		4	459	216682

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
4/12/24 14:30		4	458	216682
4/12/24 15:00		4	458	216682
4/12/24 15:30		4	458	216682
4/12/24 16:00		4	458	216682
4/12/24 16:30		4	458	216682
4/12/24 17:00		4	458	216682
4/12/24 17:30		4	458	216682
4/12/24 18:00		4	458	216682
4/12/24 18:30		4	458	216682
4/12/24 19:00		4	458	216682
4/12/24 19:30		4	458	216682
4/12/24 20:00		4	458	216682
4/12/24 20:30		4	458	216682
4/12/24 21:00		4	458	216682
4/12/24 21:30		4	458	216682
4/12/24 22:00		4	458	216682
4/12/24 22:30		4	458	216682
4/12/24 23:00		4	458	216682
4/12/24 23:30		4	458	216682
4/13/24 0:00		4	458	216682
4/13/24 0:30		4	458	216682
4/13/24 1:00		4	458	216682
4/13/24 1:30		4	458	216682
4/13/24 2:00		4	458	216682
4/13/24 2:30		4	458	216682
4/13/24 3:00		4	458	216682
4/13/24 3:30		4	458	216682
4/13/24 4:00		4	458	216682
4/13/24 4:30		4	458	216682
4/13/24 5:00		4	458	216682
4/13/24 5:30		4	458	216682
4/13/24 6:00		4	458	216682
4/13/24 6:30		4	458	216682
4/13/24 7:00		4	458	216682
4/13/24 7:30		4	458	216682
4/13/24 8:00		4	458	216682
4/13/24 8:30		4	458	216682
4/13/24 9:00		4	458	216682
4/13/24 9:30		4	458	216682
4/13/24 10:00		4	459	216682
4/13/24 10:30		4	459	216682
4/13/24 11:00		4	459	216682
4/13/24 11:30		4	459	216682
4/13/24 12:00		4	459	216682
4/13/24 12:30		4	458	216682
4/13/24 13:00		4	458	216682
4/13/24 13:30		4	458	216682
4/13/24 14:00		4	458	216682
4/13/24 14:30		5	458	216682
4/13/24 15:00		5	458	216682
4/13/24 15:30		5	458	216682
4/13/24 16:00		5	458	216682
4/13/24 16:30		5	458	216682
4/13/24 17:00		5	458	216682
4/13/24 17:30		5	458	216682
4/13/24 18:00		5	458	216682
4/13/24 18:30		5	458	216682
4/13/24 19:00		5	458	216682
4/13/24 19:30		5	458	216682
4/13/24 20:00		5	458	216682
4/13/24 20:30		5	458	216682
4/13/24 21:00		5	458	216682

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
4/13/24 21:30		5	458	216682
4/13/24 22:00		5	458	216682
4/13/24 22:30		5	458	216682
4/13/24 23:00		5	458	216682
4/13/24 23:30		5	458	216682
4/14/24 0:00		5	458	216682
4/14/24 0:30		5	458	216682
4/14/24 1:00		5	458	216682
4/14/24 1:30		5	458	216682
4/14/24 2:00		5	458	216682
4/14/24 2:30		5	458	216682
4/14/24 3:00		5	458	216682
4/14/24 3:30		5	458	216682
4/14/24 4:00		5	458	216682
4/14/24 4:30		4	458	216682
4/14/24 5:00		4	458	216682
4/14/24 5:30		4	458	216682
4/14/24 6:00		4	458	216682
4/14/24 6:30		4	458	216682
4/14/24 7:00		4	458	216682
4/14/24 7:30		4	458	216682
4/14/24 8:00		4	458	216682
4/14/24 8:30		4	458	216682
4/14/24 9:00		4	458	216682
4/14/24 9:30		4	459	216682
4/14/24 10:00		4	459	216682
4/14/24 10:30		4	459	216682
4/14/24 11:00		4	459	216682
4/14/24 11:30		4	459	216682
4/14/24 12:00		4	459	216682
4/14/24 12:30		5	458	216682
4/14/24 13:00		5	458	216682
4/14/24 13:30		5	458	216682
4/14/24 14:00		5	458	216682
4/14/24 14:30		5	458	216682
4/14/24 15:00		5	458	216682
4/14/24 15:30		5	458	216682
4/14/24 16:00		5	458	216682
4/14/24 16:30		5	458	216682
4/14/24 17:00		5	458	216682
4/14/24 17:30		5	458	216682
4/14/24 18:00		5	458	216682
4/14/24 18:30		5	458	216682
4/14/24 19:00		5	458	216682
4/14/24 19:30		5	458	216682
4/14/24 20:00		5	458	216682
4/14/24 20:30		5	458	216682
4/14/24 21:00		5	458	216682
4/14/24 21:30		5	458	216682
4/14/24 22:00		5	458	216682
4/14/24 22:30		5	458	216682
4/14/24 23:00		5	458	216682
4/14/24 23:30		5	458	216682
4/15/24 0:00		5	458	216682
4/15/24 0:30		5	458	216682
4/15/24 1:00		5	458	216682
4/15/24 1:30		5	458	216682
4/15/24 2:00		5	458	216682
4/15/24 2:30		5	458	216682
4/15/24 3:00		5	458	216682
4/15/24 3:30		5	458	216682
4/15/24 4:00		5	458	216682

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
4/15/24 4:30		5	458	216682
4/15/24 5:00		5	458	216682
4/15/24 5:30		5	458	216682
4/15/24 6:00		5	458	216682
4/15/24 6:30		5	458	216682
4/15/24 7:00		5	458	216682
4/15/24 7:30		4	458	216682
4/15/24 8:00		4	458	216682
4/15/24 8:30		5	458	216682
4/15/24 9:00		5	458	216682
4/15/24 9:30		4	458	216682
4/15/24 10:00		5	459	216682
4/15/24 10:30		5	459	216682
4/15/24 11:00		5	458	216682
4/15/24 11:30		5	458	216682
4/15/24 12:00		5	458	216682
4/15/24 12:30		5	458	216682
4/15/24 13:00		5	458	216682
4/15/24 13:30		5	458	216682
4/15/24 14:00		5	458	216682
4/15/24 14:30		5	458	216682
4/15/24 15:00		5	458	216682
4/15/24 15:30		5	458	216682
4/15/24 16:00		5	458	216682
4/15/24 16:30		5	458	216682
4/15/24 17:00		5	458	216682
4/15/24 17:30		5	458	216682
4/15/24 18:00		5	458	216682
4/15/24 18:30		5	458	216682
4/15/24 19:00		5	458	216682
4/15/24 19:30		5	458	216682
4/15/24 20:00		5	458	216682
4/15/24 20:30		5	458	216682
4/15/24 21:00		5	458	216682
4/15/24 21:30		5	458	216682
4/15/24 22:00		5	458	216682
4/15/24 22:30		5	458	216682
4/15/24 23:00		5	458	216682
4/15/24 23:30		5	458	216682
4/16/24 0:00		5	458	216682
4/16/24 0:30		5	458	216682
4/16/24 1:00		5	458	216682
4/16/24 1:30		5	458	216682
4/16/24 2:00		5	458	216682
4/16/24 2:30		5	458	216682
4/16/24 3:00		5	458	216682
4/16/24 3:30		5	458	216682
4/16/24 4:00		5	458	216682
4/16/24 4:30		5	458	216682
4/16/24 5:00		5	458	216682
4/16/24 5:30		5	458	216682
4/16/24 6:00		5	458	216682
4/16/24 6:30		5	458	216682
4/16/24 7:00		5	458	216682
4/16/24 7:30		5	458	216682
4/16/24 8:00		4	458	216682
4/16/24 8:30		4	458	216682
4/16/24 9:00		4	458	216682
4/16/24 9:30		5	458	216682
4/16/24 10:00		4	459	216682
4/16/24 10:30		5	458	216682
4/16/24 11:00		5	458	216682

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
4/16/24 11:30		5	458	216682
4/16/24 12:00		5	458	216682
4/16/24 12:30		5	458	216682
4/16/24 13:00		5	458	216682
4/16/24 13:30		5	458	216682
4/16/24 14:00		5	458	216682
4/16/24 14:30		5	458	216682
4/16/24 15:00		5	458	216682
4/16/24 15:30		5	458	216682
4/16/24 16:00		5	458	216682
4/16/24 16:30		5	458	216682
4/16/24 17:00		5	458	216682
4/16/24 17:30		5	458	216682
4/16/24 18:00		5	458	216682
4/16/24 18:30		5	458	216682
4/16/24 19:00		5	458	216682
4/16/24 19:30		5	458	216682
4/16/24 20:00		5	458	216682
4/16/24 20:30		5	458	216682
4/16/24 21:00		5	458	216682
4/16/24 21:30		5	457	216682
4/16/24 22:00		5	457	216682
4/16/24 22:30		5	457	216682
4/16/24 23:00		5	458	216682
4/16/24 23:30		5	458	216682
4/17/24 0:00		5	458	216682
4/17/24 0:30		5	458	216682
4/17/24 1:00		5	458	216682
4/17/24 1:30		5	458	216682
4/17/24 2:00		5	458	216682
4/17/24 2:30		5	458	216682
4/17/24 3:00		5	458	216682
4/17/24 3:30		5	458	216682
4/17/24 4:00		5	458	216682
4/17/24 4:30		5	458	216682
4/17/24 5:00		5	458	216682
4/17/24 5:30		5	458	216682
4/17/24 6:00		5	458	216682
4/17/24 6:30		5	447	216682
4/17/24 7:00	33	-3	447	216704
4/17/24 7:30	32	-2	796	216727
4/17/24 8:00	32	-2	837	216750
4/17/24 8:30	32	-2	868	216773
4/17/24 9:00	32	-1	892	216796
4/17/24 9:30	32	-1	913	216819
4/17/24 10:00	32	-1	927	216842
4/17/24 10:30	30	-1	941	216864
4/17/24 11:00	32	-1	959	216887
4/17/24 11:30	33	-1	970	216910
4/17/24 12:00	32	-1	986	216934
4/17/24 12:30		-1	721	216950
4/17/24 13:00		1	647	216950
4/17/24 13:30		1	608	216950
4/17/24 14:00		1	595	216950
4/17/24 14:30		-1	582	216950
4/17/24 15:00		-1	571	216950
4/17/24 15:30		-1	561	216950
4/17/24 16:00		-1	554	216950
4/17/24 16:30		-1	547	216950
4/17/24 17:00		-1	547	216950
4/17/24 17:30		-1	537	216950
4/17/24 18:00		-1	533	216950



Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
4/17/24 18:30		-1	529	216950
4/17/24 19:00		-1	526	216950
4/17/24 19:30		-1	523	216950
4/17/24 20:00		-1	520	216950
4/17/24 20:30		-1	518	216950
4/17/24 21:00		-1	515	216950
4/17/24 21:30		-1	513	216950
4/17/24 22:00		-1	512	216950
4/17/24 22:30		-1	510	216950
4/17/24 23:00		-1	509	216950
4/17/24 23:30		-1	507	216950
4/18/24 0:00		-1	506	216950
4/18/24 0:30		-1	505	216950
4/18/24 1:00		-1	504	216950
4/18/24 1:30		-1	503	216950
4/18/24 2:00		-1	501	216950
4/18/24 2:30		-1	501	216950
4/18/24 3:00		-1	500	216950
4/18/24 3:30		-1	499	216950
4/18/24 4:00		-1	498	216950
4/18/24 4:30		-1	497	216950
4/18/24 5:00		-1	496	216950
4/18/24 5:30		-1	496	216950
4/18/24 6:00		-1	495	216950
4/18/24 6:30		-1	494	216950
4/18/24 7:00		-1	494	216950
4/18/24 7:30		-1	493	216950
4/18/24 8:00		-1	493	216950
4/18/24 8:30		-1	492	216950
4/18/24 9:00		-1	492	216950
4/18/24 9:30		-1	492	216950
4/18/24 10:00		-1	491	216950
4/18/24 10:30		-1	490	216950
4/18/24 11:00		-1	490	216950
4/18/24 11:30		-1	490	216950
4/18/24 12:00		-1	489	216950
4/18/24 12:30		-1	489	216950
4/18/24 13:00		-1	488	216950
4/18/24 13:30		-1	488	216950
4/18/24 14:00		-1	487	216950
4/18/24 14:30		-1	487	216950
4/18/24 15:00		-1	486	216950
4/18/24 15:30		-1	486	216950
4/18/24 16:00		-1	486	216950
4/18/24 16:30		-1	486	216950
4/18/24 17:00		-1	485	216950
4/18/24 17:30		-1	485	216950
4/18/24 18:00		-1	484	216950
4/18/24 18:30		-1	484	216950
4/18/24 19:00		-1	484	216950
4/18/24 19:30		-1	484	216950
4/18/24 20:00		-1	483	216950
4/18/24 20:30		-1	483	216950
4/18/24 21:00		-1	483	216950
4/18/24 21:30		-1	483	216950
4/18/24 22:00		-1	482	216950
4/18/24 22:30		-1	482	216950
4/18/24 23:00		-1	482	216950
4/18/24 23:30		-1	482	216950
4/19/24 0:00		-1	482	216950
4/19/24 0:30		-1	481	216950
4/19/24 1:00		-1	481	216950

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
4/19/24 1:30		-1	481	216950
4/19/24 2:00		-1	481	216950
4/19/24 2:30		-1	481	216950
4/19/24 3:00		-1	480	216950
4/19/24 3:30		-1	480	216950
4/19/24 4:00		-1	480	216950
4/19/24 4:30		-1	480	216950
4/19/24 5:00		-1	480	216950
4/19/24 5:30		-1	480	216950
4/19/24 6:00		-1	479	216950
4/19/24 6:30		-1	479	216950
4/19/24 7:00		-1	479	216950
4/19/24 7:30		-1	479	216950
4/19/24 8:00		-1	479	216950
4/19/24 8:30		-1	479	216950
4/19/24 9:00		-1	478	216950
4/19/24 9:30		-1	478	216950
4/19/24 10:00		-1	479	216950
4/19/24 10:30		-1	478	216950
4/19/24 11:00		-1	478	216950
4/19/24 11:30		-1	478	216950
4/19/24 12:00		-1	478	216950
4/19/24 12:30		-1	478	216950
4/19/24 13:00		-1	478	216950
4/19/24 13:30		-1	477	216950
4/19/24 14:00		-1	477	216950
4/19/24 14:30		-1	477	216950
4/19/24 15:00		-1	477	216950
4/19/24 15:30		-1	477	216950
4/19/24 16:00		-1	477	216950
4/19/24 16:30		-1	477	216950
4/19/24 17:00		-1	476	216950
4/19/24 17:30		-1	476	216950
4/19/24 18:00		-1	476	216950
4/19/24 18:30		-1	476	216950
4/19/24 19:00		-1	476	216950
4/19/24 19:30		-1	476	216950
4/19/24 20:00		-1	476	216950
4/19/24 20:30		-1	475	216950
4/19/24 21:00		-1	475	216950
4/19/24 21:30		-1	475	216950
4/19/24 22:00		-1	475	216950
4/19/24 22:30		-1	475	216950
4/19/24 23:00		-1	475	216950
4/19/24 23:30		-1	475	216950
4/20/24 0:00		-1	475	216950
4/20/24 0:30		-1	475	216950
4/20/24 1:00		-1	475	216950
4/20/24 1:30		-1	475	216950
4/20/24 2:00		-1	475	216950
4/20/24 2:30		-1	475	216950
4/20/24 3:00		-1	475	216950
4/20/24 3:30		-1	474	216950
4/20/24 4:00		-1	474	216950
4/20/24 4:30		-1	474	216950
4/20/24 5:00		-1	474	216950
4/20/24 5:30		-1	474	216950
4/20/24 6:00		-1	474	216950
4/20/24 6:30		-1	474	216950
4/20/24 7:00		-1	474	216950
4/20/24 7:30		-1	474	216950
4/20/24 8:00		-1	474	216950

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
4/20/24 8:30		-1	474	216950
4/20/24 9:00		-1	474	216950
4/20/24 9:30		-1	474	216950
4/20/24 10:00		-1	474	216950
4/20/24 10:30		-1	474	216950
4/20/24 11:00		-1	474	216950
4/20/24 11:30		-1	474	216950
4/20/24 12:00		-1	474	216950
4/20/24 12:30		-1	473	216950
4/20/24 13:00		-1	473	216950
4/20/24 13:30		-1	473	216950
4/20/24 14:00		-1	473	216950
4/20/24 14:30		-1	473	216950
4/20/24 15:00		-1	473	216950
4/20/24 15:30		-1	473	216950
4/20/24 16:00		-1	472	216950
4/20/24 16:30		-1	472	216950
4/20/24 17:00		-1	472	216950
4/20/24 17:30		-1	472	216950
4/20/24 18:00		-1	472	216950
4/20/24 18:30		-1	472	216950
4/20/24 19:00		-1	472	216950
4/20/24 19:30		-1	472	216950
4/20/24 20:00		-1	472	216950
4/20/24 20:30		-1	472	216950
4/20/24 21:00		-1	472	216950
4/20/24 21:30		-1	472	216950
4/20/24 22:00		-1	472	216950
4/20/24 22:30		-1	472	216950
4/20/24 23:00		-1	472	216950
4/20/24 23:30		-1	472	216950
4/21/24 0:00		-1	472	216950
4/21/24 0:30		-1	472	216950
4/21/24 1:00		-1	472	216950
4/21/24 1:30		-1	471	216950
4/21/24 2:00		-1	471	216950
4/21/24 2:30		-1	471	216950
4/21/24 3:00		-1	471	216950
4/21/24 3:30		-1	471	216950
4/21/24 4:00		-1	471	216950
4/21/24 4:30		-1	471	216950
4/21/24 5:00		-1	471	216950
4/21/24 5:30		-1	471	216950
4/21/24 6:00		-1	471	216950
4/21/24 6:30		-1	471	216950
4/21/24 7:00		-1	471	216950
4/21/24 7:30		-1	471	216950
4/21/24 8:00		-1	471	216950
4/21/24 8:30		-1	471	216950
4/21/24 9:00		-1	471	216950
4/21/24 9:30		-1	471	216950
4/21/24 10:00		-1	471	216950
4/21/24 10:30		-1	471	216950
4/21/24 11:00		-1	471	216950
4/21/24 11:30		-1	471	216950
4/21/24 12:00		-1	471	216950
4/21/24 12:30		-1	471	216950
4/21/24 13:00		-1	471	216950
4/21/24 13:30		-1	470	216950
4/21/24 14:00		-1	470	216950
4/21/24 14:30		-1	470	216950
4/21/24 15:00		-1	470	216950

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
4/21/24 15:30		-1	470	216950
4/21/24 16:00		-1	470	216950
4/21/24 16:30		-1	470	216950
4/21/24 17:00		-1	470	216950
4/21/24 17:30		-1	470	216950
4/21/24 18:00		-1	470	216950
4/21/24 18:30		-1	470	216950
4/21/24 19:00		-1	470	216950
4/21/24 19:30		-1	470	216950
4/21/24 20:00		-1	470	216950
4/21/24 20:30		-1	470	216950
4/21/24 21:00		-1	469	216950
4/21/24 21:30		-1	469	216950
4/21/24 22:00		-1	469	216950
4/21/24 22:30		-1	469	216950
4/21/24 23:00		-1	469	216950
4/21/24 23:30		-1	469	216950
4/22/24 0:00		-1	469	216950
4/22/24 0:30		-1	469	216950
4/22/24 1:00		-1	469	216950
4/22/24 1:30		-1	469	216950
4/22/24 2:00		-1	469	216950
4/22/24 2:30		-1	469	216950
4/22/24 3:00		-1	469	216950
4/22/24 3:30		-1	469	216950
4/22/24 4:00		-1	469	216950
4/22/24 4:30		-1	469	216950
4/22/24 5:00		-1	469	216950
4/22/24 5:30		-1	469	216950
4/22/24 6:00		-1	469	216950
4/22/24 6:30		-1	469	216950
4/22/24 7:00		-1	469	216950
4/22/24 7:30		-1	469	216950
4/22/24 8:00		-1	469	216950
4/22/24 8:30		-1	469	216950
4/22/24 9:00		-1	469	216950
4/22/24 9:30		-1	469	216950
4/22/24 10:00		-1	469	216950
4/22/24 10:30		-1	469	216950
4/22/24 11:00		-1	469	216950
4/22/24 11:30		-1	469	216950
4/22/24 12:00		-1	469	216950
4/22/24 12:30		-1	469	216950
4/22/24 13:00		-1	469	216950
4/22/24 13:30		-1	469	216950
4/22/24 14:00		-1	469	216950
4/22/24 14:30		-1	469	216950
4/22/24 15:00		-1	469	216950
4/22/24 15:30		-1	468	216950
4/22/24 16:00		-1	468	216950
4/22/24 16:30		-1	468	216950
4/22/24 17:00		-1	468	216950
4/22/24 17:30		-1	468	216950
4/22/24 18:00		-1	468	216950
4/22/24 18:30		-1	468	216950
4/22/24 19:00		-1	468	216950
4/22/24 19:30		-1	468	216950
4/22/24 20:00		-1	468	216950
4/22/24 20:30		-1	468	216950
4/22/24 21:00		-1	468	216950
4/22/24 21:30		-1	468	216950
4/22/24 22:00		-1	468	216950

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
4/22/24 22:30		-1	468	216950
4/22/24 23:00		-1	468	216950
4/22/24 23:30		-1	468	216950
4/23/24 0:00		-1	468	216950
4/23/24 0:30		-1	468	216950
4/23/24 1:00		-1	468	216950
4/23/24 1:30		-1	468	216950
4/23/24 2:00		-1	468	216950
4/23/24 2:30		-1	468	216950
4/23/24 3:00		-1	468	216950
4/23/24 3:30		-1	468	216950
4/23/24 4:00		-1	468	216950
4/23/24 4:30		-1	468	216950
4/23/24 5:00		-1	468	216950
4/23/24 5:30		-1	468	216950
4/23/24 6:00		-1	468	216950
4/23/24 6:30		-1	468	216950
4/23/24 7:00		-1	468	216950
4/23/24 7:30		-1	468	216950
4/23/24 8:00		-1	468	216950
4/23/24 8:30		-1	467	216950
4/23/24 9:00		-1	468	216950
4/23/24 9:30		-1	468	216950
4/23/24 10:00		-1	468	216950
4/23/24 10:30		-1	468	216950
4/23/24 11:00		-1	468	216950
4/23/24 11:30		-1		216950
4/23/24 12:00		-1	468	216950
4/23/24 12:30		-1	468	216950
4/23/24 13:00		-1	468	216950
4/23/24 13:30		-1	467	216950
4/23/24 14:00		-1	467	216950
4/23/24 14:30		-1	467	216950
4/23/24 15:00		-1	467	216950
4/23/24 15:30		-1	467	216950
4/23/24 16:00		-1	467	216950
4/23/24 16:30		-1	467	216950
4/23/24 17:00				216950
4/23/24 17:30				216950
4/23/24 18:00				216950
4/23/24 18:30				216950
4/23/24 19:00				216950
4/23/24 19:30				216950
4/23/24 20:00				216950
4/23/24 20:30				216950
4/23/24 21:00		-1	467	216950
4/23/24 21:30		-1	467	216950
4/23/24 22:00		-1	466	216950
4/23/24 22:30		-1	467	216950
4/23/24 23:00		-1	467	216950
4/23/24 23:30		-1	467	216950
4/24/24 0:00		-1	467	216950
4/24/24 0:30		-1	467	216950
4/24/24 1:00		-1	467	216950
4/24/24 1:30		-1	467	216950
4/24/24 2:00		-1	467	216950
4/24/24 2:30		-1	467	216950
4/24/24 3:00		-1	467	216950
4/24/24 3:30		-1	467	216950
4/24/24 4:00		-1	467	216950
4/24/24 4:30		-1	467	216950
4/24/24 5:00		-1	467	216950

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
4/24/24 5:30		-1	466	216950
4/24/24 6:00		-1	466	216950
4/24/24 6:30		-1	466	216950
4/24/24 7:00		-1	466	216950
4/24/24 7:30		-1	466	216950
4/24/24 8:00		-1	466	216950
4/24/24 8:30		-1	466	216950
4/24/24 9:00		-1	467	216950
4/24/24 9:30		-1	467	216950
4/24/24 10:00		-1	467	216950
4/24/24 10:30		-1	467	216950
4/24/24 11:00		-1	467	216950
4/24/24 11:30		-1	467	216950
4/24/24 12:00		-1	467	216950
4/24/24 12:30		-1	467	216950
4/24/24 13:00		-1	466	216950
4/24/24 13:30		-1	466	216950
4/24/24 14:00		-1	466	216950
4/24/24 14:30		-1	466	216950
4/24/24 15:00		-1	466	216950
4/24/24 15:30		-1	466	216950
4/24/24 16:00		-1	466	216950
4/24/24 16:30		-1	466	216950
4/24/24 17:00		-1	466	216950
4/24/24 17:30		-1	466	216950
4/24/24 18:00		-1	466	216950
4/24/24 18:30		-1	466	216950
4/24/24 19:00		-1	466	216950
4/24/24 19:30		-1	466	216950
4/24/24 20:00		-1	466	216950
4/24/24 20:30		-1	466	216950
4/24/24 21:00		-1	466	216950
4/24/24 21:30		-1	466	216950
4/24/24 22:00		-1	466	216950
4/24/24 22:30		-1	466	216950
4/24/24 23:00		-1	466	216950
4/24/24 23:30		-1	466	216950
4/25/24 0:00		-1	466	216950
4/25/24 0:30		-1	466	216950
4/25/24 1:00		-1	466	216950
4/25/24 1:30		-1	466	216950
4/25/24 2:00		-1	466	216950
4/25/24 2:30		-1	466	216950
4/25/24 3:00		-1	466	216950
4/25/24 3:30		-1	466	216950
4/25/24 4:00		-1	466	216950
4/25/24 4:30		-1	466	216950
4/25/24 5:00		-1	466	216950
4/25/24 5:30		-1	466	216950
4/25/24 6:00		-1	466	216950
4/25/24 6:30		-1	466	216950
4/25/24 7:00		-1	466	216950
4/25/24 7:30		-1	466	216950
4/25/24 8:00		-1	466	216950
4/25/24 8:30		-1	466	216950
4/25/24 9:00		-1	466	216950
4/25/24 9:30		-1	466	216950
4/25/24 10:00		-1	466	216950
4/25/24 10:30		-1	466	216950
4/25/24 11:00		-1	466	216950
4/25/24 11:30		-1	466	216950
4/25/24 12:00		-1	466	216950

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
4/25/24 12:30		-1	466	216950
4/25/24 13:00		-1	466	216950
4/25/24 13:30		-1	465	216950
4/25/24 14:00		-1	465	216950
4/25/24 14:30		-1	465	216950
4/25/24 15:00		-1	465	216950
4/25/24 15:30		-1	465	216950
4/25/24 16:00		-1	465	216950
4/25/24 16:30		-1	465	216950
4/25/24 17:00		-1	465	216950
4/25/24 17:30		-1	465	216950
4/25/24 18:00		-1	465	216950
4/25/24 18:30		-1	465	216950
4/25/24 19:00		-1	465	216950
4/25/24 19:30		-1	465	216950
4/25/24 20:00		-1	465	216950
4/25/24 20:30		-1	465	216950
4/25/24 21:00		-1	465	216950
4/25/24 21:30		-1	465	216950
4/25/24 22:00		-1	465	216950
4/25/24 22:30		-1	465	216950
4/25/24 23:00		-1	465	216950
4/25/24 23:30		-1	465	216950
4/26/24 0:00		-1	465	216950
4/26/24 0:30		-1	465	216950
4/26/24 1:00		-1	465	216950
4/26/24 1:30		-1	465	216950
4/26/24 2:00		-1	465	216950
4/26/24 2:30		-1	465	216950
4/26/24 3:00		-1	465	216950
4/26/24 3:30		-1	465	216950
4/26/24 4:00		-1	465	216950
4/26/24 4:30		-1	465	216950
4/26/24 5:00		-1	465	216950
4/26/24 5:30		-1	465	216950
4/26/24 6:00		-1	465	216950
4/26/24 6:30		-1	465	216950
4/26/24 7:00		-1	465	216950
4/26/24 7:30		-1	465	216950
4/26/24 8:00		-1	465	216950
4/26/24 8:30		-1	465	216950
4/26/24 9:00		-1	465	216950
4/26/24 9:30		-1	465	216950
4/26/24 10:00		-1	465	216950
4/26/24 10:30		-1	465	216950
4/26/24 11:00		-1	465	216950
4/26/24 11:30		-1	465	216950
4/26/24 12:00		-1	465	216950
4/26/24 12:30		-1	465	216950
4/26/24 13:00		-1	465	216950
4/26/24 13:30		-1	465	216950
4/26/24 14:00		-1	464	216950
4/26/24 14:30		-1	464	216950
4/26/24 15:00		-1	465	216950
4/26/24 15:30		-1	465	216950
4/26/24 16:00		-1	465	216950
4/26/24 16:30		-1	464	216950
4/26/24 17:00		-1	464	216950
4/26/24 17:30		-1	464	216950
4/26/24 18:00		-1	464	216950
4/26/24 18:30		-1	465	216950
4/26/24 19:00		-1	464	216950

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
4/26/24 19:30		-1	464	216950
4/26/24 20:00		-1	464	216950
4/26/24 20:30		-1	464	216950
4/26/24 21:00		-1	465	216950
4/26/24 21:30		-1	465	216950
4/26/24 22:00		-1	465	216950
4/26/24 22:30		-1	464	216950
4/26/24 23:00		-1	464	216950
4/26/24 23:30		-1	465	216950
4/27/24 0:00		-1	465	216950
4/27/24 0:30		-1	465	216950
4/27/24 1:00		-1	464	216950
4/27/24 1:30		-1	464	216950
4/27/24 2:00		-1	464	216950
4/27/24 2:30		-1	464	216950
4/27/24 3:00		-1	464	216950
4/27/24 3:30		-1	464	216950
4/27/24 4:00		-1	464	216950
4/27/24 4:30		-1	464	216950
4/27/24 5:00		-1	464	216950
4/27/24 5:30		-1	464	216950
4/27/24 6:00		-1	464	216950
4/27/24 6:30		-1	464	216950
4/27/24 7:00		-1	464	216950
4/27/24 7:30		-1	464	216950
4/27/24 8:00		-1	464	216950
4/27/24 8:30		-1	464	216950
4/27/24 9:00		-1	464	216950
4/27/24 9:30		-1	464	216950
4/27/24 10:00		-1	464	216950
4/27/24 10:30		-1	464	216950
4/27/24 11:00		-1	464	216950
4/27/24 11:30		-1	464	216950
4/27/24 12:00		-1	464	216950
4/27/24 12:30		-1	465	216950
4/27/24 13:00		-1	464	216950
4/27/24 13:30		-1	464	216950
4/27/24 14:00		-1	464	216950
4/27/24 14:30		-1	464	216950
4/27/24 15:00		-1	464	216950
4/27/24 15:30		-1	464	216950
4/27/24 16:00		-1	464	216950
4/27/24 16:30		-1	464	216950
4/27/24 17:00		-1	464	216950
4/27/24 17:30		-1	464	216950
4/27/24 18:00		-1	464	216950
4/27/24 18:30		-1	463	216950
4/27/24 19:00		-1	464	216950
4/27/24 19:30		-1	464	216950
4/27/24 20:00		-1	464	216950
4/27/24 20:30		-1	464	216950
4/27/24 21:00		-1	464	216950
4/27/24 21:30		-1	464	216950
4/27/24 22:00		-1	464	216950
4/27/24 22:30		-1	464	216950
4/27/24 23:00		-1	464	216950
4/27/24 23:30		-1	464	216950
4/28/24 0:00		-1	464	216950
4/28/24 0:30		-1	464	216950
4/28/24 1:00		-1	464	216950
4/28/24 1:30		-1	464	216950
4/28/24 2:00		-1	464	216950



Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
4/28/24 2:30		-1	464	216950
4/28/24 3:00		-1	464	216950
4/28/24 3:30		-1	464	216950
4/28/24 4:00		-1	464	216950
4/28/24 4:30		-1	464	216950
4/28/24 5:00		-1	464	216950
4/28/24 5:30		-1	464	216950
4/28/24 6:00		-1	464	216950
4/28/24 6:30		-1	464	216950
4/28/24 7:00		-1	464	216950
4/28/24 7:30		-1	464	216950
4/28/24 8:00		-1	464	216950
4/28/24 8:30		-1	464	216950
4/28/24 9:00		-1	464	216950
4/28/24 9:30		-1	464	216950
4/28/24 10:00		-1	464	216950
4/28/24 10:30		-1	464	216950
4/28/24 11:00		-1	464	216950
4/28/24 11:30		-1	464	216950
4/28/24 12:00		-1	464	216950
4/28/24 12:30		-1	464	216950
4/28/24 13:00		-1	464	216950
4/28/24 13:30		-1	463	216950
4/28/24 14:00		-1	464	216950
4/28/24 14:30		-1	464	216950
4/28/24 15:00		-1	464	216950
4/28/24 15:30		-1	463	216950
4/28/24 16:00		-1	464	216950
4/28/24 16:30		-1	463	216950
4/28/24 17:00		-1	464	216950
4/28/24 17:30		-1	464	216950
4/28/24 18:00		-1	463	216950
4/28/24 18:30		-1	463	216950
4/28/24 19:00		-1	463	216950
4/28/24 19:30		-1	463	216950
4/28/24 20:00		-1	463	216950
4/28/24 20:30		-1	463	216950
4/28/24 21:00		-1	463	216950
4/28/24 21:30		-1	463	216950
4/28/24 22:00		-1	463	216950
4/28/24 22:30		-1	463	216950
4/28/24 23:00		-1	463	216950
4/28/24 23:30		-1	463	216950
4/29/24 0:00		-1	463	216950
4/29/24 0:30		-1	463	216950
4/29/24 1:00		-1	463	216950
4/29/24 1:30		-1	463	216950
4/29/24 2:00		-1	463	216950
4/29/24 2:30		-1	463	216950
4/29/24 3:00		-1	463	216950
4/29/24 3:30		-1	463	216950
4/29/24 4:00		-1	463	216950
4/29/24 4:30		-1	463	216950
4/29/24 5:00		-1	463	216950
4/29/24 5:30		-1	463	216950
4/29/24 6:00		-1	463	216950
4/29/24 6:30		-1	463	216950
4/29/24 7:00		-1	463	216950
4/29/24 7:30		-1	463	216950
4/29/24 8:00		-1	463	216950
4/29/24 8:30		-1	463	216950
4/29/24 9:00		-1	463	216950

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
4/29/24 9:30		-1	464	216950
4/29/24 10:00		-1	464	216950
4/29/24 10:30		-1	464	216950
4/29/24 11:00		-1	463	216950
4/29/24 11:30		-1	463	216950
4/29/24 12:00		-1	463	216950
4/29/24 12:30		-1	464	216950
4/29/24 13:00		-1	463	216950
4/29/24 13:30		-1	463	216950
4/29/24 14:00		-1	463	216950
4/29/24 14:30		-1	463	216950
4/29/24 15:00		-1	463	216950
4/29/24 15:30		-1	463	216950
4/29/24 16:00		-1	463	216950
4/29/24 16:30		-1	463	216950
4/29/24 17:00		-1	463	216950
4/29/24 17:30		-1	463	216950
4/29/24 18:00		-1	463	216950
4/29/24 18:30		-1	463	216950
4/29/24 19:00		-1	463	216950
4/29/24 19:30		-1	463	216950
4/29/24 20:00		-1	463	216950
4/29/24 20:30		-1	463	216950
4/29/24 21:00		-1	463	216950
4/29/24 21:30		-1	462	216950
4/29/24 22:00		-1	463	216950
4/29/24 22:30		-1	463	216950
4/29/24 23:00		-1	463	216950
4/29/24 23:30		-1	463	216950
4/30/24 0:00		-1	463	216950
4/30/24 0:30		-1	463	216950
4/30/24 1:00		-1	463	216950
4/30/24 1:30		-1	463	216950
4/30/24 2:00		-1	463	216950
4/30/24 2:30		-1	463	216950
4/30/24 3:00		-1	463	216950
4/30/24 3:30		-1	463	216950
4/30/24 4:00		-1	463	216950
4/30/24 4:30		-1	463	216950
4/30/24 5:00		-1	463	216950
4/30/24 5:30		-1	463	216950
4/30/24 6:00		-1	463	216950
4/30/24 6:30		-1	463	216950
4/30/24 7:00		-1	463	216950
4/30/24 7:30		-1	463	216950
4/30/24 8:00		-1	463	216950
4/30/24 8:30		-1	463	216950
4/30/24 9:00		-1	463	216950
4/30/24 9:30		-1	463	216950
4/30/24 10:00		-1	463	216950
4/30/24 10:30		-1	463	216950
4/30/24 11:00		-1	463	216950
4/30/24 11:30		-1	463	216950
4/30/24 12:00		-1	463	216950
4/30/24 12:30		-1	463	216950
4/30/24 13:00		-1	463	216950
4/30/24 13:30		-1	463	216950
4/30/24 14:00		-1	463	216950
4/30/24 14:30		-1	463	216950
4/30/24 15:00		-1	463	216950
4/30/24 15:30		-1	463	216950
4/30/24 16:00		-1	463	216950

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
4/30/24 16:30		-1	463	216950
4/30/24 17:00		-1	463	216950
4/30/24 17:30		-1	463	216950
4/30/24 18:00		-1	463	216950
4/30/24 18:30		-1	463	216950
4/30/24 19:00		-1	462	216950
4/30/24 19:30		-1	462	216950
4/30/24 20:00		-1	462	216950
4/30/24 20:30		-1	462	216950
4/30/24 21:00		-1	462	216950
4/30/24 21:30		-1	462	216950
4/30/24 22:00		-1	462	216950
4/30/24 22:30		-1	462	216950
4/30/24 23:00		-1	462	216950
4/30/24 23:30		-1	462	216950
5/1/24 0:00		-1	462	216950
5/1/24 0:30		-1	462	216950
5/1/24 1:00		-1	462	216950
5/1/24 1:30		-1	462	216950
5/1/24 2:00		-1	462	216950
5/1/24 2:30		-1	462	216950
5/1/24 3:00		-1	462	216950
5/1/24 3:30		-1	462	216950
5/1/24 4:00		-1	462	216950
5/1/24 4:30		-1	462	216950
5/1/24 5:00		-1	462	216950
5/1/24 5:30		-1	462	216950
5/1/24 6:00		-1	462	216950
5/1/24 6:30		-1	462	216950
5/1/24 7:00		-1	462	216950
5/1/24 7:30		-1	462	216950
5/1/24 8:00		-1	462	216950
5/1/24 8:30		-1	462	216950
5/1/24 9:00		-1	463	216950
5/1/24 9:30		-1	463	216950
5/1/24 10:00		-1	463	216950
5/1/24 10:30		-1	463	216950
5/1/24 11:00		-1	463	216950
5/1/24 11:30		-1	463	216950
5/1/24 12:00		-1	463	216950
5/1/24 12:30		-1	462	216950
5/1/24 13:00		-1	462	216950
5/1/24 13:30		-1	462	216950
5/1/24 14:00		-1	462	216950
5/1/24 14:30		-1	462	216950
5/1/24 15:00		-1	462	216950
5/1/24 15:30		-1	462	216950
5/1/24 16:00		-1	462	216950
5/1/24 16:30		-1	462	216950
5/1/24 17:00		-1	462	216950
5/1/24 17:30		-1	462	216950
5/1/24 18:00		-1	462	216950
5/1/24 18:30		-1	462	216950
5/1/24 19:00		-1	462	216950
5/1/24 19:30		-1	462	216950
5/1/24 20:00		-1	462	216950
5/1/24 20:30		-1	462	216950
5/1/24 21:00		-1	462	216950
5/1/24 21:30		-1	462	216950
5/1/24 22:00		-1	462	216950
5/1/24 22:30		-1	462	216950
5/1/24 23:00		-1	462	216950

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
5/1/24 23:30		-1	462	216950
5/2/24 0:00		-1	462	216950
5/2/24 0:30		-1	462	216950
5/2/24 1:00		-1	462	216950
5/2/24 1:30		-1	462	216950
5/2/24 2:00		-1	462	216950
5/2/24 2:30		-1	462	216950
5/2/24 3:00		-1	462	216950
5/2/24 3:30		-1	462	216950
5/2/24 4:00		-1	462	216950
5/2/24 4:30		-1	462	216950
5/2/24 5:00		-1	462	216950
5/2/24 5:30		-1	462	216950
5/2/24 6:00		-1	462	216950
5/2/24 6:30		-1	462	216950
5/2/24 7:00		-1	462	216950
5/2/24 7:30		-1	462	216950
5/2/24 8:00		-1	462	216950
5/2/24 8:30		-1	462	216950
5/2/24 9:00		-1	462	216950
5/2/24 9:30		-1	462	216950
5/2/24 10:00		-1	462	216950
5/2/24 10:30		-1	462	216950
5/2/24 11:00		-1	462	216950
5/2/24 11:30		-1	462	216950
5/2/24 12:00		-1	462	216950
5/2/24 12:30		-1	462	216950
5/2/24 13:00		-1	462	216950
5/2/24 13:30		-1	462	216950
5/2/24 14:00		-1	462	216950
5/2/24 14:30		-1	462	216950
5/2/24 15:00		-1	462	216950
5/2/24 15:30		-1	462	216950
5/2/24 16:00		-1	462	216950
5/2/24 16:30		-1	462	216950
5/2/24 17:00		-1	462	216950
5/2/24 17:30		-1	462	216950
5/2/24 18:00		-1	462	216950
5/2/24 18:30		-1	462	216950
5/2/24 19:00		-1	462	216950
5/2/24 19:30		-1	462	216950
5/2/24 20:00		-1	462	216950
5/2/24 20:30		-1	462	216950
5/2/24 21:00		-1	462	216950
5/2/24 21:30		-1	461	216950
5/2/24 22:00		-1	461	216950
5/2/24 22:30		-1	461	216950
5/2/24 23:00		-1	461	216950
5/2/24 23:30		-1	462	216950
5/3/24 0:00		-1	462	216950
5/3/24 0:30		-1	462	216950
5/3/24 1:00		-1	462	216950
5/3/24 1:30		-1	462	216950
5/3/24 2:00		-1	462	216950
5/3/24 2:30		-1	462	216950
5/3/24 3:00		-1	462	216950
5/3/24 3:30		-1	462	216950
5/3/24 4:00		-1	462	216950
5/3/24 4:30		-1	462	216950
5/3/24 5:00		-1	462	216950
5/3/24 5:30		-1	462	216950
5/3/24 6:00		-1	462	216950

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
5/3/24 6:30		-1	462	216950
5/3/24 7:00		-1	461	216950
5/3/24 7:30		-1	461	216950
5/3/24 8:00		-1	461	216950
5/3/24 8:30		-1	462	216950
5/3/24 9:00		-1	462	216950
5/3/24 9:30		-1	462	216950
5/3/24 10:00		-1	462	216950
5/3/24 10:30		-1	462	216950
5/3/24 11:00		-1	462	216950
5/3/24 11:30		-1	462	216950
5/3/24 12:00		-1	462	216950
5/3/24 12:30		-1	462	216950
5/3/24 13:00		-1	462	216950
5/3/24 13:30		-1	462	216950
5/3/24 14:00		-1	462	216950
5/3/24 14:30		-1	461	216950
5/3/24 15:00		-1	461	216950
5/3/24 15:30		-1	462	216950
5/3/24 16:00		-1	461	216950
5/3/24 16:30		-1	461	216950
5/3/24 17:00		-1	462	216950
5/3/24 17:30		-1	462	216950
5/3/24 18:00		-1	461	216950
5/3/24 18:30		-1	461	216950
5/3/24 19:00		-1	461	216950
5/3/24 19:30		-1	461	216950
5/3/24 20:00		-1	461	216950
5/3/24 20:30		-1	461	216950
5/3/24 21:00		-1	461	216950
5/3/24 21:30		-1	461	216950
5/3/24 22:00		-1	461	216950
5/3/24 22:30		-1	461	216950
5/3/24 23:00		-1	461	216950
5/3/24 23:30		-1	461	216950
5/4/24 0:00		-1	461	216950
5/4/24 0:30		-1	461	216950
5/4/24 1:00		-1	461	216950
5/4/24 1:30		-1	461	216950
5/4/24 2:00		-1	461	216950
5/4/24 2:30		-1	461	216950
5/4/24 3:00		-1	461	216950
5/4/24 3:30		-1	461	216950
5/4/24 4:00		-1	461	216950
5/4/24 4:30		-1	461	216950
5/4/24 5:00		-1	461	216950
5/4/24 5:30		-1	461	216950
5/4/24 6:00		-1	461	216950
5/4/24 6:30		-1	461	216950
5/4/24 7:00		-1	461	216950
5/4/24 7:30		-1	461	216950
5/4/24 8:00		-1	461	216950
5/4/24 8:30		-1	461	216950
5/4/24 9:00		-1	462	216950
5/4/24 9:30		-1	462	216950
5/4/24 10:00		-1	462	216950
5/4/24 10:30		-1	462	216950
5/4/24 11:00		-1	462	216950
5/4/24 11:30		-1	462	216950
5/4/24 12:00		-1	462	216950
5/4/24 12:30		-1	462	216950
5/4/24 13:00		-1	461	216950

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
5/4/24 13:30		-1	461	216950
5/4/24 14:00		-1	461	216950
5/4/24 14:30		-1	461	216950
5/4/24 15:00		-1	461	216950
5/4/24 15:30		-1	461	216950
5/4/24 16:00		-1	461	216950
5/4/24 16:30		-1	461	216950
5/4/24 17:00		-1	461	216950
5/4/24 17:30		-1	461	216950
5/4/24 18:00		-1	461	216950
5/4/24 18:30		-1	461	216950
5/4/24 19:00		-1	461	216950
5/4/24 19:30		-1	461	216950
5/4/24 20:00		-1	461	216950
5/4/24 20:30		-1	461	216950
5/4/24 21:00		-1	461	216950
5/4/24 21:30		-1	461	216950
5/4/24 22:00		-1	461	216950
5/4/24 22:30		-1	461	216950
5/4/24 23:00		-1	461	216950
5/4/24 23:30		-1	461	216950
5/5/24 0:00		-1	461	216950
5/5/24 0:30		-1	461	216950
5/5/24 1:00		-1	461	216950
5/5/24 1:30		-1	461	216950
5/5/24 2:00		-1	461	216950
5/5/24 2:30		-1	461	216950
5/5/24 3:00		-1	461	216950
5/5/24 3:30		-1	461	216950
5/5/24 4:00		-1	461	216950
5/5/24 4:30		-1	461	216950
5/5/24 5:00		-1	461	216950
5/5/24 5:30		-1	461	216950
5/5/24 6:00		-1	461	216950
5/5/24 6:30		-1	461	216950
5/5/24 7:00		-1	461	216950
5/5/24 7:30		-1	461	216950
5/5/24 8:00		-1	461	216950
5/5/24 8:30		-1	461	216950
5/5/24 9:00		-1	461	216950
5/5/24 9:30		-1	461	216950
5/5/24 10:00		-1	461	216950
5/5/24 10:30		-1	461	216950
5/5/24 11:00		-1	461	216950
5/5/24 11:30		-1	461	216950
5/5/24 12:00		-1	461	216950
5/5/24 12:30		-1	461	216950
5/5/24 13:00		-1	461	216950
5/5/24 13:30		-1	461	216950
5/5/24 14:00		-1	461	216950
5/5/24 14:30		-1	461	216950
5/5/24 15:00		-1	461	216950
5/5/24 15:30		-1	461	216950
5/5/24 16:00		-1	461	216950
5/5/24 16:30		-1	461	216950
5/5/24 17:00		-1	461	216950
5/5/24 17:30		-1	461	216950
5/5/24 18:00		-1	461	216950
5/5/24 18:30		-1	461	216950
5/5/24 19:00		-1	461	216950
5/5/24 19:30		-1	461	216950
5/5/24 20:00		-1	461	216950

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
5/5/24 20:30		-1	461	216950
5/5/24 21:00		-1	461	216950
5/5/24 21:30		-1	461	216950
5/5/24 22:00		-1	461	216950
5/5/24 22:30		-1	461	216950
5/5/24 23:00		-1	461	216950
5/5/24 23:30		-1	461	216950
5/6/24 0:00		-1	461	216950
5/6/24 0:30		-1	461	216950
5/6/24 1:00		-1	461	216950
5/6/24 1:30		-1	461	216950
5/6/24 2:00		-1	461	216950
5/6/24 2:30		-1	461	216950
5/6/24 3:00		-1	461	216950
5/6/24 3:30		-1	461	216950
5/6/24 4:00		-1	461	216950
5/6/24 4:30		-1	461	216950
5/6/24 5:00		-1	461	216950
5/6/24 5:30		-1	461	216950
5/6/24 6:00		-1	461	216950
5/6/24 6:30		-1	461	216950
5/6/24 7:00		-1	461	216950
5/6/24 7:30		-1	461	216950
5/6/24 8:00		-1	461	216950
5/6/24 8:30		-1	461	216950
5/6/24 9:00		-1	461	216950
5/6/24 9:30		-1	461	216950
5/6/24 10:00		-1	461	216950
5/6/24 10:30		-1	461	216950
5/6/24 11:00		-1	461	216950
5/6/24 11:30		-1	461	216950
5/6/24 12:00		-1	461	216950
5/6/24 12:30		-1	461	216950
5/6/24 13:00		-1	461	216950
5/6/24 13:30		-1	461	216950
5/6/24 14:00		-1	461	216950
5/6/24 14:30		-1	461	216950
5/6/24 15:00		-1	461	216950
5/6/24 15:30		-1	461	216950
5/6/24 16:00		-1	461	216950
5/6/24 16:30		-1	461	216950
5/6/24 17:00		-1	461	216950
5/6/24 17:30		-1	461	216950
5/6/24 18:00		-1	461	216950
5/6/24 18:30		-1	461	216950
5/6/24 19:00		-1	461	216950
5/6/24 19:30		-1	461	216950
5/6/24 20:00		-1	460	216950
5/6/24 20:30		-1	460	216950
5/6/24 21:00		-1	460	216950
5/6/24 21:30		-1	460	216950
5/6/24 22:00		-1	460	216950
5/6/24 22:30		-1	460	216950
5/6/24 23:00		-1	460	216950
5/6/24 23:30		-1	461	216950
5/7/24 0:00		-1	461	216950
5/7/24 0:30		-1	461	216950
5/7/24 1:00		-1	461	216950
5/7/24 1:30		-1	461	216950
5/7/24 2:00		-1	461	216950
5/7/24 2:30		-1	461	216950
5/7/24 3:00		-1	460	216950

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
5/7/24 3:30		-1	460	216950
5/7/24 4:00		-1	460	216950
5/7/24 4:30		-1	460	216950
5/7/24 5:00		-1	460	216950
5/7/24 5:30		-1	460	216950
5/7/24 6:00		-1	460	216950
5/7/24 6:30		-1	460	216950
5/7/24 7:00		-1	460	216950
5/7/24 7:30		-1	460	216950
5/7/24 8:00		-1	460	216950
5/7/24 8:30		-1	460	216950
5/7/24 9:00		-1	460	216950
5/7/24 9:30		-1	461	216950
5/7/24 10:00		-1	461	216950
5/7/24 10:30		-1	461	216950
5/7/24 11:00		-1	461	216950
5/7/24 11:30		-1	461	216950
5/7/24 12:00		-1	461	216950
5/7/24 12:30		-1	461	216950
5/7/24 13:00		-1	460	216950
5/7/24 13:30		-1	460	216950
5/7/24 14:00		-1	460	216950
5/7/24 14:30		-1	460	216950
5/7/24 15:00		-1	460	216950
5/7/24 15:30		-1	460	216950
5/7/24 16:00		-1	460	216950
5/7/24 16:30		-1	460	216950
5/7/24 17:00		-1	460	216950
5/7/24 17:30		-1	461	216950
5/7/24 18:00		-1	461	216950
5/7/24 18:30		-1	460	216950
5/7/24 19:00		-1	460	216950
5/7/24 19:30		-1	460	216950
5/7/24 20:00		-1	460	216950
5/7/24 20:30		-1	460	216950
5/7/24 21:00		-1	460	216950
5/7/24 21:30		-1	460	216950
5/7/24 22:00		-1	460	216950
5/7/24 22:30		-1	460	216950
5/7/24 23:00		-1	460	216950
5/7/24 23:30		-1	460	216950
5/8/24 0:00		-1	460	216950
5/8/24 0:30		-1	460	216950
5/8/24 1:00		-1	460	216950
5/8/24 1:30		-1	460	216950
5/8/24 2:00		-1	460	216950
5/8/24 2:30		-1	460	216950
5/8/24 3:00		-1	460	216950
5/8/24 3:30		-1	460	216950
5/8/24 4:00		-1	460	216950
5/8/24 4:30		-1	460	216950
5/8/24 5:00		-1	460	216950
5/8/24 5:30		-1	460	216950
5/8/24 6:00		-1	460	216950
5/8/24 6:30		-1	460	216950
5/8/24 7:00		-1	460	216950
5/8/24 7:30		-1	460	216950
5/8/24 8:00		-1	460	216950
5/8/24 8:30		-1	460	216950
5/8/24 9:00		-1	461	216950
5/8/24 9:30		-1	461	216950
5/8/24 10:00		-1	461	216950



Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
5/8/24 10:30		-1	461	216950
5/8/24 11:00		-1	461	216950
5/8/24 11:30		-1	461	216950
5/8/24 12:00		-1	460	216950
5/8/24 12:30		-1	460	216950
5/8/24 13:00		-1	460	216950
5/8/24 13:30		-1	460	216950
5/8/24 14:00		-1	460	216950
5/8/24 14:30		-1	460	216950
5/8/24 15:00		-1	460	216950
5/8/24 15:30		-1	460	216950
5/8/24 16:00		-1	460	216950
5/8/24 16:30		-1	460	216950
5/8/24 17:00		-1	460	216950
5/8/24 17:30		-1	460	216950
5/8/24 18:00		-1	460	216950
5/8/24 18:30		-1	460	216950
5/8/24 19:00		-1	460	216950
5/8/24 19:30		-1	460	216950
5/8/24 20:00		-1	460	216950
5/8/24 20:30		-1	460	216950
5/8/24 21:00		-1	460	216950
5/8/24 21:30		-1	460	216950
5/8/24 22:00		-1	460	216950
5/8/24 22:30		-1	460	216950
5/8/24 23:00		-1	460	216950
5/8/24 23:30		-1	460	216950
5/9/24 0:00		-1	460	216950
5/9/24 0:30		-1	460	216950
5/9/24 1:00		-1	460	216950
5/9/24 1:30		-1	460	216950
5/9/24 2:00		-1	460	216950
5/9/24 2:30		-1	460	216950
5/9/24 3:00		-1	460	216950
5/9/24 3:30		-1	460	216950
5/9/24 4:00		-1	460	216950
5/9/24 4:30		-1	460	216950
5/9/24 5:00		-1	460	216950
5/9/24 5:30		-1	460	216950
5/9/24 6:00		-1	460	216950
5/9/24 6:30		-1	460	216950
5/9/24 7:00		-1	460	216950
5/9/24 7:30		-1	460	216950
5/9/24 8:00		-1	460	216950
5/9/24 8:30		-1	460	216950
5/9/24 9:00		-1	460	216950
5/9/24 9:30		-1	460	216950
5/9/24 10:00		-1	460	216950
5/9/24 10:30		-1	461	216950
5/9/24 11:00		-1	461	216950
5/9/24 11:30		-1	461	216950
5/9/24 12:00		-1	461	216950
5/9/24 12:30		-1	460	216950
5/9/24 13:00		-1	460	216950
5/9/24 13:30		-1	460	216950
5/9/24 14:00		-1	460	216950
5/9/24 14:30		-1	460	216950
5/9/24 15:00		-1	460	216950
5/9/24 15:30		-1	460	216950
5/9/24 16:00		-1	460	216950
5/9/24 16:30		-1	460	216950
5/9/24 17:00		-1	460	216950

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
5/9/24 17:30		-1	460	216950
5/9/24 18:00		-1	460	216950
5/9/24 18:30		-1	460	216950
5/9/24 19:00		-1	460	216950
5/9/24 19:30		-1	460	216950
5/9/24 20:00		-1	460	216950
5/9/24 20:30		-1	460	216950
5/9/24 21:00		-1	460	216950
5/9/24 21:30		-1	460	216950
5/9/24 22:00		-1	459	216950
5/9/24 22:30		-1	460	216950
5/9/24 23:00		-1	460	216950
5/9/24 23:30		-1	460	216950
5/10/24 0:00		-1	460	216950
5/10/24 0:30		-1	460	216950
5/10/24 1:00		-1	460	216950
5/10/24 1:30		-1	460	216950
5/10/24 2:00		-1	460	216950
5/10/24 2:30		-1	460	216950
5/10/24 3:00		-1	460	216950
5/10/24 3:30		-1	460	216950
5/10/24 4:00		-1	460	216950
5/10/24 4:30		-1	460	216950
5/10/24 5:00		-1	460	216950
5/10/24 5:30		-1	460	216950
5/10/24 6:00		-1	460	216950
5/10/24 6:30		-1	460	216950
5/10/24 7:00		-1	460	216950
5/10/24 7:30		-1	460	216950
5/10/24 8:00		-1	460	216950
5/10/24 8:30		-1	460	216950
5/10/24 9:00		-1	460	216950
5/10/24 9:30		-1	460	216950
5/10/24 10:00		-1	460	216950
5/10/24 10:30		-1	460	216950
5/10/24 11:00		-1	460	216950
5/10/24 11:30		-1	460	216950
5/10/24 12:00		-1	460	216950
5/10/24 12:30		-1	460	216950
5/10/24 13:00		-1	459	216950
5/10/24 13:30		-1	460	216950
5/10/24 14:00		-1	460	216950
5/10/24 14:30		-1	460	216950
5/10/24 15:00		-1	460	216950
5/10/24 15:30		-1	460	216950
5/10/24 16:00		-1	460	216950
5/10/24 16:30		-1	460	216950
5/10/24 17:00		-1	460	216950
5/10/24 17:30		-1	460	216950
5/10/24 18:00		-1	459	216950
5/10/24 18:30		-1	460	216950
5/10/24 19:00		-1	460	216950
5/10/24 19:30		-1	459	216950
5/10/24 20:00		-1	460	216950
5/10/24 20:30		-1	460	216950
5/10/24 21:00		-1	460	216950
5/10/24 21:30		-1	459	216950
5/10/24 22:00		-1	459	216950
5/10/24 22:30		-1	459	216950
5/10/24 23:00		-1	459	216950
5/10/24 23:30		-1	460	216950
5/11/24 0:00		-1	460	216950

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
5/11/24 0:30		-1	460	216950
5/11/24 1:00		-1	460	216950
5/11/24 1:30		-1	460	216950
5/11/24 2:00		-1	460	216950
5/11/24 2:30		-1	460	216950
5/11/24 3:00		-1	460	216950
5/11/24 3:30		-1	460	216950
5/11/24 4:00		-1	459	216950
5/11/24 4:30		-1	460	216950
5/11/24 5:00		-1	460	216950
5/11/24 5:30		-1	460	216950
5/11/24 6:00		-1	460	216950
5/11/24 6:30		-1	460	216950
5/11/24 7:00		-1	459	216950
5/11/24 7:30		-1	459	216950
5/11/24 8:00		-1	459	216950
5/11/24 8:30		-1	460	216950
5/11/24 9:00		-1	460	216950
5/11/24 9:30		-1	460	216950
5/11/24 10:00		-1	460	216950
5/11/24 10:30		-1	460	216950
5/11/24 11:00		-1	460	216950
5/11/24 11:30		-1	459	216950
5/11/24 12:00		-1	459	216950
5/11/24 12:30		-1	459	216950
5/11/24 13:00		-1	460	216950
5/11/24 13:30		-1	460	216950
5/11/24 14:00		-1	460	216950
5/11/24 14:30		-1	460	216950
5/11/24 15:00		-1	459	216950
5/11/24 15:30		-1	460	216950
5/11/24 16:00		-1	459	216950
5/11/24 16:30		-1	459	216950
5/11/24 17:00		-1	459	216950
5/11/24 17:30		-1	459	216950
5/11/24 18:00		-1	460	216950
5/11/24 18:30		-1	460	216950
5/11/24 19:00		-1	460	216950
5/11/24 19:30		-1	459	216950
5/11/24 20:00		-1	459	216950
5/11/24 20:30		-1	459	216950
5/11/24 21:00		-1	459	216950
5/11/24 21:30		-1	459	216950
5/11/24 22:00		-1	459	216950
5/11/24 22:30		-1	459	216950
5/11/24 23:00		-1	459	216950
5/11/24 23:30		-1	459	216950
5/12/24 0:00		-1	459	216950
5/12/24 0:30		-1	459	216950
5/12/24 1:00		-1	459	216950
5/12/24 1:30		-1	459	216950
5/12/24 2:00		-1	459	216950
5/12/24 2:30		-1	459	216950
5/12/24 3:00		-1	459	216950
5/12/24 3:30		-1	459	216950
5/12/24 4:00		-1	459	216950
5/12/24 4:30		-1	459	216950
5/12/24 5:00		-1	459	216950
5/12/24 5:30		-1	459	216950
5/12/24 6:00		-1	459	216950
5/12/24 6:30		-1	459	216950
5/12/24 7:00		-1	459	216950

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
5/12/24 7:30		-1	459	216950
5/12/24 8:00		-1	459	216950
5/12/24 8:30		-1	459	216950
5/12/24 9:00		-1	459	216950
5/12/24 9:30		-1	460	216950
5/12/24 10:00		-1	460	216950
5/12/24 10:30		-1	460	216950
5/12/24 11:00		-1	460	216950
5/12/24 11:30		-1	460	216950
5/12/24 12:00		-1	460	216950
5/12/24 12:30		-1	460	216950
5/12/24 13:00		-1	459	216950
5/12/24 13:30		-1	459	216950
5/12/24 14:00		-1	459	216950
5/12/24 14:30		-1	459	216950
5/12/24 15:00		-1	459	216950
5/12/24 15:30		-1	459	216950
5/12/24 16:00		-1	459	216950
5/12/24 16:30		-1	459	216950
5/12/24 17:00		-1	459	216950
5/12/24 17:30		-1	459	216950
5/12/24 18:00		-1	459	216950
5/12/24 18:30		-1	459	216950
5/12/24 19:00		-1	459	216950
5/12/24 19:30		-1	459	216950
5/12/24 20:00		-1	459	216950
5/12/24 20:30		-1	459	216950
5/12/24 21:00		-1	459	216950
5/12/24 21:30		-1	459	216950
5/12/24 22:00		-1	459	216950
5/12/24 22:30		-1	459	216950
5/12/24 23:00		-1	459	216950
5/12/24 23:30		-1	459	216950
5/13/24 0:00		-1	459	216950
5/13/24 0:30		-1	459	216950
5/13/24 1:00		-1	459	216950
5/13/24 1:30		-1	459	216950
5/13/24 2:00		-1	459	216950
5/13/24 2:30		-1	459	216950
5/13/24 3:00		-1	459	216950
5/13/24 3:30		-1	459	216950
5/13/24 4:00		-1	459	216950
5/13/24 4:30		-1	459	216950
5/13/24 5:00		-1	459	216950
5/13/24 5:30		-1	459	216950
5/13/24 6:00		-1	459	216950
5/13/24 6:30		-1	459	216950
5/13/24 7:00		-1	459	216950
5/13/24 7:30		-1	459	216950
5/13/24 8:00		-1	459	216950
5/13/24 8:30		-1	459	216950
5/13/24 9:00		-1	460	216950
5/13/24 9:30		-1	460	216950
5/13/24 10:00		-1	460	216950
5/13/24 10:30		-1	460	216950
5/13/24 11:00		-1	459	216950
5/13/24 11:30		-1	459	216950
5/13/24 12:00		-1	459	216950
5/13/24 12:30		-1	459	216950
5/13/24 13:00		-1	459	216950
5/13/24 13:30		-1	459	216950
5/13/24 14:00		-1	459	216950

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
5/13/24 14:30		-1	459	216950
5/13/24 15:00		-1	459	216950
5/13/24 15:30		-1	459	216950
5/13/24 16:00		-1	459	216950
5/13/24 16:30		-1	459	216950
5/13/24 17:00		-1	459	216950
5/13/24 17:30		-1	459	216950
5/13/24 18:00		-1	459	216950
5/13/24 18:30		-1	459	216950
5/13/24 19:00		-1	459	216950
5/13/24 19:30		-1	459	216950
5/13/24 20:00		-1	459	216950
5/13/24 20:30		-1	459	216950
5/13/24 21:00		-1	459	216950
5/13/24 21:30		-1	459	216950
5/13/24 22:00		-1	459	216950
5/13/24 22:30		-1	459	216950
5/13/24 23:00		-1	459	216950
5/13/24 23:30		-1	459	216950
5/14/24 0:00		-1	459	216950
5/14/24 0:30		-1	459	216950
5/14/24 1:00		-1	459	216950
5/14/24 1:30		-1	459	216950
5/14/24 2:00		-1	459	216950
5/14/24 2:30		-1	459	216950
5/14/24 3:00		-1	459	216950
5/14/24 3:30		-1	459	216950
5/14/24 4:00		-1	459	216950
5/14/24 4:30		-1	459	216950
5/14/24 5:00		-1	459	216950
5/14/24 5:30		-1	459	216950
5/14/24 6:00		-1	459	216950
5/14/24 6:30		-1	459	216950
5/14/24 7:00		-1	459	216950
5/14/24 7:30		-1	459	216950
5/14/24 8:00		-1	459	216950
5/14/24 8:30		-1	459	216950
5/14/24 9:00		-1	459	216950
5/14/24 9:30		-1	460	216950
5/14/24 10:00		-1	459	216950
5/14/24 10:30		-1	459	216950
5/14/24 11:00		-1	459	216950
5/14/24 11:30		-1	459	216950
5/14/24 12:00		-1	459	216950
5/14/24 12:30		-1	459	216950
5/14/24 13:00		-1	459	216950
5/14/24 13:30		-1	459	216950
5/14/24 14:00		-1	459	216950
5/14/24 14:30		-1	459	216950
5/14/24 15:00		-1	459	216950
5/14/24 15:30		-1	459	216950
5/14/24 16:00		-1	459	216950
5/14/24 16:30		-1	459	216950
5/14/24 17:00		-1	459	216950
5/14/24 17:30		-1	459	216950
5/14/24 18:00		-1	459	216950
5/14/24 18:30		-1	458	216950
5/14/24 19:00		-1	458	216950
5/14/24 19:30		-1	459	216950
5/14/24 20:00		-1	459	216950
5/14/24 20:30		-1	459	216950
5/14/24 21:00		-1	459	216950

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
5/14/24 21:30		-1	459	216950
5/14/24 22:00		-1	459	216950
5/14/24 22:30		-1	459	216950
5/14/24 23:00		-1	459	216950
5/14/24 23:30		-1	459	216950
5/15/24 0:00		-1	459	216950
5/15/24 0:30		-1	459	216950
5/15/24 1:00		-1	459	216950
5/15/24 1:30		-1	459	216950
5/15/24 2:00		-1	459	216950
5/15/24 2:30		-1	459	216950
5/15/24 3:00		-1	459	216950
5/15/24 3:30		-1	459	216950
5/15/24 4:00		-1	459	216950
5/15/24 4:30		-1	459	216950
5/15/24 5:00		-1	459	216950
5/15/24 5:30		-1	459	216950
5/15/24 6:00		-1	459	216950
5/15/24 6:30		-1	459	216950
5/15/24 7:00		-1	459	216950
5/15/24 7:30		-1	459	216950
5/15/24 8:00		-1	459	216950
5/15/24 8:30		-1	459	216950
5/15/24 9:00		-1	459	216950
5/15/24 9:30		-1	459	216950
5/15/24 10:00		-1	459	216950
5/15/24 10:30		-1	459	216950
5/15/24 11:00		-1	459	216950
5/15/24 11:30		-1	459	216950
5/15/24 12:00		-1	459	216950
5/15/24 12:30		-1	459	216950
5/15/24 13:00		-1	459	216950
5/15/24 13:30		-1	459	216950
5/15/24 14:00		-1	459	216950
5/15/24 14:30		-1	459	216950
5/15/24 15:00		-1	459	216950
5/15/24 15:30		-1	459	216950
5/15/24 16:00		-1	458	216950
5/15/24 16:30		-1	458	216950
5/15/24 17:00		-1	459	216950
5/15/24 17:30		-1	459	216950
5/15/24 18:00		-1	459	216950
5/15/24 18:30		-1	459	216950
5/15/24 19:00		-1	459	216950
5/15/24 19:30		-1	459	216950
5/15/24 20:00		-1	458	216950
5/15/24 20:30		-1	458	216950
5/15/24 21:00		-1	458	216950
5/15/24 21:30		-1	459	216950
5/15/24 22:00		-1	459	216950
5/15/24 22:30		-1	459	216950
5/15/24 23:00		-1	459	216950
5/15/24 23:30		-1	459	216950
5/16/24 0:00		-1	459	216950
5/16/24 0:30		-1	459	216950
5/16/24 1:00		-1	459	216950
5/16/24 1:30		-1	459	216950
5/16/24 2:00		-1	459	216950
5/16/24 2:30		-1	459	216950
5/16/24 3:00		-1	459	216950
5/16/24 3:30		-1	459	216950
5/16/24 4:00		-1	459	216950

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
5/16/24 4:30		-1	459	216950
5/16/24 5:00		-1	459	216950
5/16/24 5:30		-1	459	216950
5/16/24 6:00		-1	459	216950
5/16/24 6:30		-1	459	216950
5/16/24 7:00		-1	459	216950
5/16/24 7:30		-1	458	216950
5/16/24 8:00		-1	458	216950
5/16/24 8:30		-1	458	216950
5/16/24 9:00		-1	459	216950
5/16/24 9:30		-1	459	216950
5/16/24 10:00		-1	459	216950
5/16/24 10:30		-1	459	216950
5/16/24 11:00		-1	459	216950
5/16/24 11:30		-1	459	216950
5/16/24 12:00		-1	459	216950
5/16/24 12:30		-1	459	216950
5/16/24 13:00		-1	459	216950
5/16/24 13:30		-1	459	216950
5/16/24 14:00		-1	459	216950
5/16/24 14:30		-1	458	216950
5/16/24 15:00		-1	459	216950
5/16/24 15:30		-1	459	216950
5/16/24 16:00		-1	459	216950
5/16/24 16:30		-1	458	216950
5/16/24 17:00		-1	458	216950
5/16/24 17:30		-1	458	216950
5/16/24 18:00		-1	458	216950
5/16/24 18:30		-1	458	216950
5/16/24 19:00		-1	459	216950
5/16/24 19:30		-1	459	216950
5/16/24 20:00		-1	458	216950
5/16/24 20:30		-1	458	216950
5/16/24 21:00		-1	458	216950
5/16/24 21:30		-1	458	216950
5/16/24 22:00		-1	458	216950
5/16/24 22:30		-1	458	216950
5/16/24 23:00		-1	458	216950
5/16/24 23:30		-1	458	216950
5/17/24 0:00		-1	458	216950
5/17/24 0:30		-1	458	216950
5/17/24 1:00		-1	458	216950
5/17/24 1:30		-1	458	216950
5/17/24 2:00		-1	459	216950
5/17/24 2:30		-1	458	216950
5/17/24 3:00		-1	459	216950
5/17/24 3:30		-1	458	216950
5/17/24 4:00		-1	459	216950
5/17/24 4:30		-1	459	216950
5/17/24 5:00		-1	458	216950
5/17/24 5:30		-1	458	216950
5/17/24 6:00		-1	458	216950
5/17/24 6:30		-1	458	216950
5/17/24 7:00		-1	458	216950
5/17/24 7:30		-1	458	216950
5/17/24 8:00		-1	458	216950
5/17/24 8:30		-1	459	216950
5/17/24 9:00		-1	459	216950
5/17/24 9:30		-1	459	216950
5/17/24 10:00		-1	459	216950
5/17/24 10:30		-1	459	216950
5/17/24 11:00		-1	459	216950

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
5/17/24 11:30		-1	459	216950
5/17/24 12:00		-1	459	216950
5/17/24 12:30		-1	459	216950
5/17/24 13:00		-1	459	216950
5/17/24 13:30		-1	458	216950
5/17/24 14:00		-1	458	216950
5/17/24 14:30		-1	458	216950
5/17/24 15:00		-1	458	216950
5/17/24 15:30		-1	458	216950
5/17/24 16:00		-1	458	216950
5/17/24 16:30		-1	458	216950
5/17/24 17:00		-1	458	216950
5/17/24 17:30		-1	458	216950
5/17/24 18:00		-1	458	216950
5/17/24 18:30		-1	458	216950
5/17/24 19:00		-1	458	216950
5/17/24 19:30		-1	458	216950
5/17/24 20:00		-1	458	216950
5/17/24 20:30		-1	458	216950
5/17/24 21:00		-1	458	216950
5/17/24 21:30		-1	458	216950
5/17/24 22:00		-1	458	216950
5/17/24 22:30		-1	458	216950
5/17/24 23:00		-1	458	216950
5/17/24 23:30		-1	458	216950
5/18/24 0:00		-1	458	216950
5/18/24 0:30		-1	458	216950
5/18/24 1:00		-1	458	216950
5/18/24 1:30		-1	458	216950
5/18/24 2:00		-1	458	216950
5/18/24 2:30		-1	458	216950
5/18/24 3:00		-1	458	216950
5/18/24 3:30		-1	458	216950
5/18/24 4:00		-1	458	216950
5/18/24 4:30		-1	458	216950
5/18/24 5:00		-1	458	216950
5/18/24 5:30		-1	458	216950
5/18/24 6:00		-1	458	216950
5/18/24 6:30		-1	458	216950
5/18/24 7:00		-1	458	216950
5/18/24 7:30		-1	458	216950
5/18/24 8:00		-1	458	216950
5/18/24 8:30		-1	458	216950
5/18/24 9:00		-1	459	216950
5/18/24 9:30		-1	459	216950
5/18/24 10:00		-1	459	216950
5/18/24 10:30		-1	459	216950
5/18/24 11:00		-1	459	216950
5/18/24 11:30		-1	458	216950
5/18/24 12:00		-1	459	216950
5/18/24 12:30		-1	459	216950
5/18/24 13:00		-1	458	216950
5/18/24 13:30		-1	458	216950
5/18/24 14:00		-1	458	216950
5/18/24 14:30		-1	458	216950
5/18/24 15:00		-1	458	216950
5/18/24 15:30		-1	458	216950
5/18/24 16:00		-1	458	216950
5/18/24 16:30		-1	458	216950
5/18/24 17:00		-1	458	216950
5/18/24 17:30		-1	458	216950
5/18/24 18:00		-1	458	216950



Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
5/18/24 18:30		-1	458	216950
5/18/24 19:00		-1	458	216950
5/18/24 19:30		-1	458	216950
5/18/24 20:00		-1	458	216950
5/18/24 20:30		-1	458	216950
5/18/24 21:00		-1	458	216950
5/18/24 21:30		-1	458	216950
5/18/24 22:00		-1	458	216950
5/18/24 22:30		-1	458	216950
5/18/24 23:00		-1	458	216950
5/18/24 23:30		-1	458	216950
5/19/24 0:00		-1	458	216950
5/19/24 0:30		-1	458	216950
5/19/24 1:00		-1	458	216950
5/19/24 1:30		-1	458	216950
5/19/24 2:00		-1	458	216950
5/19/24 2:30		-1	458	216950
5/19/24 3:00		-1	458	216950
5/19/24 3:30		-1	458	216950
5/19/24 4:00		-1	458	216950
5/19/24 4:30		-1	458	216950
5/19/24 5:00		-1	458	216950
5/19/24 5:30		-1	458	216950
5/19/24 6:00		-1	458	216950
5/19/24 6:30		-1	458	216950
5/19/24 7:00		-1	458	216950
5/19/24 7:30		-1	458	216950
5/19/24 8:00		-1	458	216950
5/19/24 8:30		-1	458	216950
5/19/24 9:00		-1	458	216950
5/19/24 9:30		-1	459	216950
5/19/24 10:00		-1	459	216950
5/19/24 10:30		-1	459	216950
5/19/24 11:00		-1	459	216950
5/19/24 11:30		-1	458	216950
5/19/24 12:00		-1	458	216950
5/19/24 12:30		-1	458	216950
5/19/24 13:00		-1	458	216950
5/19/24 13:30		-1	458	216950
5/19/24 14:00		-1	458	216950
5/19/24 14:30		-1	458	216950
5/19/24 15:00		-1	458	216950
5/19/24 15:30		-1	458	216950
5/19/24 16:00		-1	458	216950
5/19/24 16:30		-1	458	216950
5/19/24 17:00		-1	458	216950
5/19/24 17:30		-1	458	216950
5/19/24 18:00		-1	458	216950
5/19/24 18:30		-1	458	216950
5/19/24 19:00		-1	458	216950
5/19/24 19:30		-1	458	216950
5/19/24 20:00		-1	458	216950
5/19/24 20:30		-1	458	216950
5/19/24 21:00		-1	458	216950
5/19/24 21:30		-1	458	216950
5/19/24 22:00		-1	458	216950
5/19/24 22:30		-1	457	216950
5/19/24 23:00		-1	458	216950
5/19/24 23:30		-1	458	216950
5/20/24 0:00		-1	458	216950
5/20/24 0:30		-1	458	216950
5/20/24 1:00		-1	458	216950

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
5/20/24 1:30		-1	458	216950
5/20/24 2:00		-1	458	216950
5/20/24 2:30		-1	458	216950
5/20/24 3:00		-1	458	216950
5/20/24 3:30		-1	458	216950
5/20/24 4:00		-1	458	216950
5/20/24 4:30		-1	458	216950
5/20/24 5:00		-1	458	216950
5/20/24 5:30		-1	458	216950
5/20/24 6:00		-1	458	216950
5/20/24 6:30		-1	458	216950
5/20/24 7:00		-1	458	216950
5/20/24 7:30		-1	458	216950
5/20/24 8:00		-1	458	216950
5/20/24 8:30		-1	458	216950
5/20/24 9:00		-1	458	216950
5/20/24 9:30		-1	458	216950
5/20/24 10:00		-1	458	216950
5/20/24 10:30		-1	458	216950
5/20/24 11:00		-1	458	216950
5/20/24 11:30		-1	458	216950
5/20/24 12:00		-1	458	216950
5/20/24 12:30		-1	458	216950
5/20/24 13:00		-1	458	216950
5/20/24 13:30		-1	458	216950
5/20/24 14:00		-1	458	216950
5/20/24 14:30		-1	458	216950
5/20/24 15:00		-1	458	216950
5/20/24 15:30		-1	458	216950
5/20/24 16:00		-1	458	216950
5/20/24 16:30		-1	458	216950
5/20/24 17:00		-1	458	216950
5/20/24 17:30		-1	458	216950
5/20/24 18:00		-1	457	216950
5/20/24 18:30		-1	457	216950
5/20/24 19:00		-1	458	216950
5/20/24 19:30		-1	458	216950
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5/20/24 20:30		-1	458	216950
5/20/24 21:00		-1	458	216950
5/20/24 21:30		-1	458	216950
5/20/24 22:00		-1	458	216950
5/20/24 22:30		-1	458	216950
5/20/24 23:00		-1	458	216950
5/20/24 23:30		-1	458	216950
5/21/24 0:00		-1	458	216950
5/21/24 0:30		-1	458	216950
5/21/24 1:00		-1	458	216950
5/21/24 1:30		-1	458	216950
5/21/24 2:00		-1	458	216950
5/21/24 2:30		-1	458	216950
5/21/24 3:00		-1	458	216950
5/21/24 3:30		-1	458	216950
5/21/24 4:00		-1	458	216950
5/21/24 4:30		-1	458	216950
5/21/24 5:00		-1	458	216950
5/21/24 5:30		-1	458	216950
5/21/24 6:00		-1	458	216950
5/21/24 6:30		-1	458	216950
5/21/24 7:00		-1	458	216950
5/21/24 7:30		-1	458	216950
5/21/24 8:00		-1	458	216950

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
5/21/24 8:30		-1	458	216950
5/21/24 9:00		-1	458	216950
5/21/24 9:30		-1	458	216950
5/21/24 10:00		-1	458	216950
5/21/24 10:30		-1	458	216950
5/21/24 11:00		-1	458	216950
5/21/24 11:30		-1	458	216950
5/21/24 12:00		-1	458	216950
5/21/24 12:30		-1	458	216950
5/21/24 13:00		-1	458	216950
5/21/24 13:30		-1	458	216950
5/21/24 14:00		-1	458	216950
5/21/24 14:30		-1	458	216950
5/21/24 15:00		-1	458	216950
5/21/24 15:30		-1	458	216950
5/21/24 16:00		-1	458	216950
5/21/24 16:30		-1	458	216950
5/21/24 17:00		-1	458	216950
5/21/24 17:30		-1	458	216950
5/21/24 18:00		-1	458	216950
5/21/24 18:30		-1	458	216950
5/21/24 19:00		-1	458	216950
5/21/24 19:30		-1	457	216950
5/21/24 20:00		-1	457	216950
5/21/24 20:30		-1	457	216950
5/21/24 21:00		-1	457	216950
5/21/24 21:30		-1	457	216950
5/21/24 22:00		-1	457	216950
5/21/24 22:30		-1	457	216950
5/21/24 23:00		-1	457	216950
5/21/24 23:30		-1	457	216950
5/22/24 0:00		-1	458	216950
5/22/24 0:30		-1	458	216950
5/22/24 1:00		-1	458	216950
5/22/24 1:30		-1	458	216950
5/22/24 2:00		-1	458	216950
5/22/24 2:30		-1	458	216950
5/22/24 3:00		-1	458	216950
5/22/24 3:30		-1	458	216950
5/22/24 4:00		-1	457	216950
5/22/24 4:30		-1	458	216950
5/22/24 5:00		-1	458	216950
5/22/24 5:30		-1	458	216950
5/22/24 6:00		-1	457	216950
5/22/24 6:30		-1	457	216950
5/22/24 7:00		-1	457	216950
5/22/24 7:30		-1	457	216950
5/22/24 8:00		-1	457	216950
5/22/24 8:30		-1	458	216950
5/22/24 9:00		-1	458	216950
5/22/24 9:30		-1	458	216950
5/22/24 10:00		-1	458	216950
5/22/24 10:30		-1	458	216950
5/22/24 11:00		-1	458	216950
5/22/24 11:30		-1	458	216950
5/22/24 12:00		-1	458	216950
5/22/24 12:30		-1	458	216950
5/22/24 13:00		-1	458	216950
5/22/24 13:30		-1	458	216950
5/22/24 14:00		-1	458	216950
5/22/24 14:30		-1	458	216950
5/22/24 15:00		-1	472	216952

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
5/22/24 15:30		-1	462	216952
5/22/24 16:00		-1	460	216952
5/22/24 16:30		-1	459	216952
5/22/24 17:00		-1	459	216952
5/22/24 17:30		-1	459	216952
5/22/24 18:00		-1	459	216952
5/22/24 18:30		-1	458	216952
5/22/24 19:00		-1	458	216952
5/22/24 19:30		-1	458	216952
5/22/24 20:00		-1	458	216952
5/22/24 20:30		-1	458	216952
5/22/24 21:00		-1	458	216952
5/22/24 21:30		-1	458	216952
5/22/24 22:00		-1	458	216952
5/22/24 22:30		-1	458	216952
5/22/24 23:00		-1	458	216952
5/22/24 23:30		-1	458	216952
5/23/24 0:00		-1	458	216952
5/23/24 0:30		-1	458	216952
5/23/24 1:00		-1	458	216952
5/23/24 1:30		-1	458	216952
5/23/24 2:00		-1	458	216952
5/23/24 2:30		-1	458	216952
5/23/24 3:00		-1	458	216952
5/23/24 3:30		-1	458	216952
5/23/24 4:00		-1	458	216952
5/23/24 4:30		-1	458	216952
5/23/24 5:00		-1	458	216952
5/23/24 5:30		-1	458	216952
5/23/24 6:00		-1	458	216952
5/23/24 6:30		-1	458	216952
5/23/24 7:00		-1	458	216952
5/23/24 7:30		-1	458	216952
5/23/24 8:00		-1	458	216952
5/23/24 8:30		-1	458	216952
5/23/24 9:00		-1	458	216952
5/23/24 9:30		-1	458	216952
5/23/24 10:00		-1	458	216952
5/23/24 10:30		-1	458	216952
5/23/24 11:00		-1	458	216952
5/23/24 11:30		-1	458	216952
5/23/24 12:00		-1	458	216952
5/23/24 12:30		-1	458	216952
5/23/24 13:00		-1	458	216952
5/23/24 13:30		-1	458	216952
5/23/24 14:00		-1	458	216952
5/23/24 14:30		-1	458	216952
5/23/24 15:00		-1	458	216952
5/23/24 15:30		-1	458	216952
5/23/24 16:00		-1	458	216952
5/23/24 16:30		-1	458	216952
5/23/24 17:00		-1	458	216952
5/23/24 17:30		-1	458	216952
5/23/24 18:00		-1	458	216952
5/23/24 18:30		-1	457	216952
5/23/24 19:00		-1	458	216952
5/23/24 19:30		-1	457	216952
5/23/24 20:00		-1	457	216952
5/23/24 20:30		-1	457	216952
5/23/24 21:00		-1	457	216952
5/23/24 21:30		-1	457	216952
5/23/24 22:00		-1	457	216952

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
5/23/24 22:30		-1	457	216952
5/23/24 23:00		-1	457	216952
5/23/24 23:30		-1	457	216952
5/24/24 0:00		-1	458	216952
5/24/24 0:30		-1	458	216952
5/24/24 1:00		-1	457	216952
5/24/24 1:30		-1	457	216952
5/24/24 2:00		-1	457	216952
5/24/24 2:30		-1	457	216952
5/24/24 3:00		-1	458	216952
5/24/24 3:30		-1	457	216952
5/24/24 4:00		-1	458	216952
5/24/24 4:30		-1	457	216952
5/24/24 5:00		-1	458	216952
5/24/24 5:30		-1	457	216952
5/24/24 6:00		-1	457	216952
5/24/24 6:30		-1	458	216952
5/24/24 7:00		-1	457	216952
5/24/24 7:30		-1	457	216952
5/24/24 8:00		-1	457	216952
5/24/24 8:30		-1	457	216952
5/24/24 9:00		-1	458	216952
5/24/24 9:30		-1	458	216952
5/24/24 10:00		-1	458	216952
5/24/24 10:30		-1	458	216952
5/24/24 11:00		-1	458	216952
5/24/24 11:30		-1	458	216952
5/24/24 12:00		-1	458	216952
5/24/24 12:30		-1	457	216952
5/24/24 13:00		-1	457	216952
5/24/24 13:30		-1	457	216952
5/24/24 14:00		-1	457	216952
5/24/24 14:30		-1	457	216952
5/24/24 15:00		-1	457	216952
5/24/24 15:30		-1	457	216952
5/24/24 16:00		-1	457	216952
5/24/24 16:30		-1	457	216952
5/24/24 17:00		-1	457	216952
5/24/24 17:30		-1	457	216952
5/24/24 18:00		-1	457	216952
5/24/24 18:30		-1	457	216952
5/24/24 19:00		-1	457	216952
5/24/24 19:30		-1	457	216952
5/24/24 20:00		-1	457	216952
5/24/24 20:30		-1	457	216952
5/24/24 21:00		-1	457	216952
5/24/24 21:30		-1	457	216952
5/24/24 22:00		-1	457	216952
5/24/24 22:30		-1	457	216952
5/24/24 23:00		-1	457	216952
5/24/24 23:30		-1	457	216952
5/25/24 0:00		-1	457	216952
5/25/24 0:30		-1	457	216952
5/25/24 1:00		-1	457	216952
5/25/24 1:30		-1	457	216952
5/25/24 2:00		-1	457	216952
5/25/24 2:30		-1	457	216952
5/25/24 3:00		-1	457	216952
5/25/24 3:30		-1	457	216952
5/25/24 4:00		-1	457	216952
5/25/24 4:30		-1	457	216952
5/25/24 5:00		-1	457	216952

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
5/25/24 5:30		-1	457	216952
5/25/24 6:00		-1	457	216952
5/25/24 6:30		-1	457	216952
5/25/24 7:00		-1	457	216952
5/25/24 7:30		-1	457	216952
5/25/24 8:00		-1	457	216952
5/25/24 8:30		-1	457	216952
5/25/24 9:00		-1	457	216952
5/25/24 9:30		-1	458	216952
5/25/24 10:00		-1	458	216952
5/25/24 10:30		-1	458	216952
5/25/24 11:00		-1	457	216952
5/25/24 11:30		-1	458	216952
5/25/24 12:00		-1	458	216952
5/25/24 12:30		-1	458	216952
5/25/24 13:00		-1	458	216952
5/25/24 13:30		-1	457	216952
5/25/24 14:00		-1	457	216952
5/25/24 14:30		-1	457	216952
5/25/24 15:00		-1	457	216952
5/25/24 15:30		-1	457	216952
5/25/24 16:00		-1	457	216952
5/25/24 16:30		-1	457	216952
5/25/24 17:00		-1	457	216952
5/25/24 17:30		-1	457	216952
5/25/24 18:00		-1	457	216952
5/25/24 18:30		-1	457	216952
5/25/24 19:00		-1	457	216952
5/25/24 19:30		-1	457	216952
5/25/24 20:00		-1	457	216952
5/25/24 20:30		-1	457	216952
5/25/24 21:00		-1	457	216952
5/25/24 21:30		-1	457	216952
5/25/24 22:00		-1	457	216952
5/25/24 22:30		-1	457	216952
5/25/24 23:00		-1	457	216952
5/25/24 23:30		-1	457	216952
5/26/24 0:00		-1	457	216952
5/26/24 0:30		-1	457	216952
5/26/24 1:00		-1	457	216952
5/26/24 1:30		-1	457	216952
5/26/24 2:00		-1	457	216952
5/26/24 2:30		-1	457	216952
5/26/24 3:00		-1	457	216952
5/26/24 3:30		-1	457	216952
5/26/24 4:00		-1	457	216952
5/26/24 4:30		-1	457	216952
5/26/24 5:00		-1	457	216952
5/26/24 5:30		-1	457	216952
5/26/24 6:00		-1	457	216952
5/26/24 6:30		-1	457	216952
5/26/24 7:00		-1	457	216952
5/26/24 7:30		-1	457	216952
5/26/24 8:00		-1	457	216952
5/26/24 8:30		-1	457	216952
5/26/24 9:00		-1	457	216952
5/26/24 9:30		-1	458	216952
5/26/24 10:00		-1	458	216952
5/26/24 10:30		-1	457	216952
5/26/24 11:00		-1	457	216952
5/26/24 11:30		-1	457	216952
5/26/24 12:00		-1	457	216952

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
5/26/24 12:30		-1	457	216952
5/26/24 13:00		-1	457	216952
5/26/24 13:30		-1	457	216952
5/26/24 14:00		-1	457	216952
5/26/24 14:30		-1	457	216952
5/26/24 15:00		-1	457	216952
5/26/24 15:30		-1	457	216952
5/26/24 16:00		-1	457	216952
5/26/24 16:30		-1	457	216952
5/26/24 17:00		-1	457	216952
5/26/24 17:30		-1	457	216952
5/26/24 18:00		-1	457	216952
5/26/24 18:30		-1	457	216952
5/26/24 19:00		-1	457	216952
5/26/24 19:30		-1	457	216952
5/26/24 20:00		-1	457	216952
5/26/24 20:30		-1	457	216952
5/26/24 21:00		-1	457	216952
5/26/24 21:30		-1	457	216952
5/26/24 22:00		-1	457	216952
5/26/24 22:30		-1	456	216952
5/26/24 23:00		-1	457	216952
5/26/24 23:30		-1	457	216952
5/27/24 0:00		-1	457	216952
5/27/24 0:30		-1	457	216952
5/27/24 1:00		-1	457	216952
5/27/24 1:30		-1	457	216952
5/27/24 2:00		-1	457	216952
5/27/24 2:30		-1	457	216952
5/27/24 3:00		-1	457	216952
5/27/24 3:30		-1	457	216952
5/27/24 4:00		-1	457	216952
5/27/24 4:30		-1	457	216952
5/27/24 5:00		-1	457	216952
5/27/24 5:30		-1	457	216952
5/27/24 6:00		-1	457	216952
5/27/24 6:30		-1	457	216952
5/27/24 7:00		-1	457	216952
5/27/24 7:30		-1	457	216952
5/27/24 8:00		-1	457	216952
5/27/24 8:30		-1	457	216952
5/27/24 9:00		-1	457	216952
5/27/24 9:30		-1	457	216952
5/27/24 10:00		-1	457	216952
5/27/24 10:30		-1	457	216952
5/27/24 11:00		-1	457	216952
5/27/24 11:30		-1	457	216952
5/27/24 12:00		-1	457	216952
5/27/24 12:30		-1	457	216952
5/27/24 13:00		-1	457	216952
5/27/24 13:30		-1	457	216952
5/27/24 14:00		-1	457	216952
5/27/24 14:30		-1	457	216952
5/27/24 15:00		-1	457	216952
5/27/24 15:30		-1	457	216952
5/27/24 16:00		-1	457	216952
5/27/24 16:30		-1	457	216952
5/27/24 17:00		-1	457	216952
5/27/24 17:30		-1	457	216952
5/27/24 18:00		-1	457	216952
5/27/24 18:30		-1	457	216952
5/27/24 19:00		-1	457	216952

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
5/27/24 19:30		-1	457	216952
5/27/24 20:00		-1	457	216952
5/27/24 20:30		-1	457	216952
5/27/24 21:00		-1	457	216952
5/27/24 21:30		-1	456	216952
5/27/24 22:00		-1	456	216952
5/27/24 22:30		-1	456	216952
5/27/24 23:00		-1	456	216952
5/27/24 23:30		-1	457	216952
5/28/24 0:00		-1	457	216952
5/28/24 0:30		-1	457	216952
5/28/24 1:00		-1	457	216952
5/28/24 1:30		-1	457	216952
5/28/24 2:00		-1	457	216952
5/28/24 2:30		-1	457	216952
5/28/24 3:00		-1	457	216952
5/28/24 3:30		-1	457	216952
5/28/24 4:00		-1	457	216952
5/28/24 4:30		-1	457	216952
5/28/24 5:00		-1	457	216952
5/28/24 5:30		-1	457	216952
5/28/24 6:00		-1	457	216952
5/28/24 6:30		-1	457	216952
5/28/24 7:00		-1	457	216952
5/28/24 7:30		-1	457	216952
5/28/24 8:00		-1	457	216952
5/28/24 8:30		-1	457	216952
5/28/24 9:00		-1	457	216952
5/28/24 9:30		-1	457	216952
5/28/24 10:00		-1	457	216952
5/28/24 10:30		-1	457	216952
5/28/24 11:00		-1	457	216952
5/28/24 11:30		-1	457	216952
5/28/24 12:00		-1	457	216952
5/28/24 12:30		-1	457	216952
5/28/24 13:00		-1	457	216952
5/28/24 13:30		-1	457	216952
5/28/24 14:00		-1	457	216952
5/28/24 14:30		-1	457	216952
5/28/24 15:00		-1	457	216952
5/28/24 15:30		-1	457	216952
5/28/24 16:00		-1	457	216952
5/28/24 16:30		-1	457	216952
5/28/24 17:00		-1	457	216952
5/28/24 17:30		-1	457	216952
5/28/24 18:00		-1	457	216952
5/28/24 18:30		-1	457	216952
5/28/24 19:00		-1	456	216952
5/28/24 19:30		-1	457	216952
5/28/24 20:00		-1	456	216952
5/28/24 20:30		-1	457	216952
5/28/24 21:00		-1	456	216952
5/28/24 21:30		-1	456	216952
5/28/24 22:00		-1	456	216952
5/28/24 22:30		-1	456	216952
5/28/24 23:00		-1	456	216952
5/28/24 23:30		-1	456	216952
5/29/24 0:00		-1	457	216952
5/29/24 0:30		-1	457	216952
5/29/24 1:00		-1	457	216952
5/29/24 1:30		-1	457	216952
5/29/24 2:00		-1	457	216952



Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
5/29/24 2:30		-1	457	216952
5/29/24 3:00		-1	457	216952
5/29/24 3:30		-1	457	216952
5/29/24 4:00		-1	457	216952
5/29/24 4:30		-1	457	216952
5/29/24 5:00		-1	457	216952
5/29/24 5:30		-1	457	216952
5/29/24 6:00		-1	457	216952
5/29/24 6:30		-1	457	216952
5/29/24 7:00		-1	457	216952
5/29/24 7:30		-1	457	216952
5/29/24 8:00		-1	457	216952
5/29/24 8:30		-1	457	216952
5/29/24 9:00		-1	457	216952
5/29/24 9:30		-1	457	216952
5/29/24 10:00		-1	457	216952
5/29/24 10:30		-1	457	216952
5/29/24 11:00		-1	457	216952
5/29/24 11:30		-1	457	216952
5/29/24 12:00		-1	457	216952
5/29/24 12:30		-1	457	216952
5/29/24 13:00		-1	457	216952
5/29/24 13:30		-1	457	216952
5/29/24 14:00		-1	457	216952
5/29/24 14:30		-1	457	216952
5/29/24 15:00		-1	457	216952
5/29/24 15:30		-1	457	216952
5/29/24 16:00		-1	456	216952
5/29/24 16:30		-1	457	216952
5/29/24 17:00		-1	456	216952
5/29/24 17:30		-1	456	216952
5/29/24 18:00		-1	457	216952
5/29/24 18:30		-1	457	216952
5/29/24 19:00		-1	456	216952
5/29/24 19:30		-1	456	216952
5/29/24 20:00		-1	456	216952
5/29/24 20:30		-1	456	216952
5/29/24 21:00		-1	456	216952
5/29/24 21:30		-1	456	216952
5/29/24 22:00		-1	456	216952
5/29/24 22:30		-1	456	216952
5/29/24 23:00		-1	456	216952
5/29/24 23:30		-1	456	216952
5/30/24 0:00		-1	456	216952
5/30/24 0:30		-1	456	216952
5/30/24 1:00		-1	456	216952
5/30/24 1:30		-1	457	216952
5/30/24 2:00		-1	456	216952
5/30/24 2:30		-1	457	216952
5/30/24 3:00		-1	457	216952
5/30/24 3:30		-1	457	216952
5/30/24 4:00		-1	457	216952
5/30/24 4:30		-1	457	216952
5/30/24 5:00		-1	456	216952
5/30/24 5:30		-1	457	216952
5/30/24 6:00		-1	456	216952
5/30/24 6:30		-1	456	216952
5/30/24 7:00		-1	456	216952
5/30/24 7:30		-1	456	216952
5/30/24 8:00		-1	457	216952
5/30/24 8:30		-1	457	216952
5/30/24 9:00		-1	457	216952

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
5/30/24 9:30		-1	457	216952
5/30/24 10:00		-1	457	216952
5/30/24 10:30		-1	457	216952
5/30/24 11:00		-1	457	216952
5/30/24 11:30		-1	457	216952
5/30/24 12:00		-1	457	216952
5/30/24 12:30		-1	457	216952
5/30/24 13:00		-1	457	216952
5/30/24 13:30		-1	456	216952
5/30/24 14:00		-1	456	216952
5/30/24 14:30		-1	456	216952
5/30/24 15:00		-1	456	216952
5/30/24 15:30		-1	456	216952
5/30/24 16:00		-1	456	216952
5/30/24 16:30		-1	456	216952
5/30/24 17:00		-1	456	216952
5/30/24 17:30		-1	456	216952
5/30/24 18:00		-1	456	216952
5/30/24 18:30		-1	456	216952
5/30/24 19:00		-1	456	216952
5/30/24 19:30		-1	456	216952
5/30/24 20:00		-1	456	216952
5/30/24 20:30		-1	456	216952
5/30/24 21:00		-1	456	216952
5/30/24 21:30		-1	456	216952
5/30/24 22:00		-1	456	216952
5/30/24 22:30		-1	456	216952
5/30/24 23:00		-1	456	216952
5/30/24 23:30		-1	456	216952
5/31/24 0:00		-1	456	216952
5/31/24 0:30		-1	456	216952
5/31/24 1:00		-1	456	216952
5/31/24 1:30		-1	456	216952
5/31/24 2:00		-1	456	216952
5/31/24 2:30		-1	456	216952
5/31/24 3:00		-1	456	216952
5/31/24 3:30		-1	456	216952
5/31/24 4:00		-1	456	216952
5/31/24 4:30		-1	456	216952
5/31/24 5:00		-1	456	216952
5/31/24 5:30		-1	456	216952
5/31/24 6:00		-1	456	216952
5/31/24 6:30		-1	456	216952
5/31/24 7:00		-1	456	216952
5/31/24 7:30		-1	456	216952
5/31/24 8:00		-1	456	216952
5/31/24 8:30		-1	456	216952
5/31/24 9:00		-1	457	216952
5/31/24 9:30		-1	457	216952
5/31/24 10:00		-1	457	216952
5/31/24 10:30		-1	457	216952
5/31/24 11:00		-1	457	216952
5/31/24 11:30		-1	457	216952
5/31/24 12:00		-1	457	216952
5/31/24 12:30		-1	457	216952
5/31/24 13:00		-1	457	216952
5/31/24 13:30		-1	456	216952
5/31/24 14:00		-1	456	216952
5/31/24 14:30		-1	456	216952
5/31/24 15:00		-1	456	216952
5/31/24 15:30		-1	456	216952
5/31/24 16:00		-1	456	216952

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
5/31/24 16:30		-1	456	216952
5/31/24 17:00		-1	456	216952
5/31/24 17:30		-1	456	216952
5/31/24 18:00		-1	456	216952
5/31/24 18:30		-1	456	216952
5/31/24 19:00		-1	456	216952
5/31/24 19:30		-1	456	216952
5/31/24 20:00		-1	456	216952
5/31/24 20:30		-1	456	216952
5/31/24 21:00		-1	456	216952
5/31/24 21:30		-1	456	216952
5/31/24 22:00		-1	456	216952
5/31/24 22:30		-1	456	216952
5/31/24 23:00		-1	456	216952
5/31/24 23:30		-1	456	216952
6/1/24 0:00		-1	456	216952
6/1/24 0:30		-1	456	216952
6/1/24 1:00		-1	456	216952
6/1/24 1:30		-1	456	216952
6/1/24 2:00		-1	456	216952
6/1/24 2:30		-1	456	216952
6/1/24 3:00		-1	456	216952
6/1/24 3:30		-1	456	216952
6/1/24 4:00		-1	456	216952
6/1/24 4:30		-1	456	216952
6/1/24 5:00		-1	456	216952
6/1/24 5:30		-1	456	216952
6/1/24 6:00		-1	456	216952
6/1/24 6:30		-1	456	216952
6/1/24 7:00		-1	456	216952
6/1/24 7:30		-1	456	216952
6/1/24 8:00		-1	456	216952
6/1/24 8:30		-1	456	216952
6/1/24 9:00		-1	456	216952
6/1/24 9:30		-1	457	216952
6/1/24 10:00		-1	457	216952
6/1/24 10:30		-1	456	216952
6/1/24 11:00		-1	456	216952
6/1/24 11:30		-1	456	216952
6/1/24 12:00		-1	456	216952
6/1/24 12:30		-1	456	216952
6/1/24 13:00		-1	456	216952
6/1/24 13:30		-1	456	216952
6/1/24 14:00		-1	456	216952
6/1/24 14:30		-1	456	216952
6/1/24 15:00		-1	456	216952
6/1/24 15:30		-1	456	216952
6/1/24 16:00		-1	456	216952
6/1/24 16:30		-1	456	216952
6/1/24 17:00		-1	456	216952
6/1/24 17:30		-1	456	216952
6/1/24 18:00		-1	456	216952
6/1/24 18:30		-1	456	216952
6/1/24 19:00		-1	456	216952
6/1/24 19:30		-1	456	216952
6/1/24 20:00		-1	456	216952
6/1/24 20:30		-1	456	216952
6/1/24 21:00		-1	456	216952
6/1/24 21:30		-1	456	216952
6/1/24 22:00		-1	456	216952
6/1/24 22:30		-1	456	216952
6/1/24 23:00		-1	456	216952

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
6/1/24 23:30		-1	456	216952
6/2/24 0:00		-1	456	216952
6/2/24 0:30		-1	456	216952
6/2/24 1:00		-1	456	216952
6/2/24 1:30		-1	456	216952
6/2/24 2:00		-1	456	216952
6/2/24 2:30		-1	456	216952
6/2/24 3:00		-1	456	216952
6/2/24 3:30		-1	456	216952
6/2/24 4:00		-1	456	216952
6/2/24 4:30		-1	456	216952
6/2/24 5:00		-1	456	216952
6/2/24 5:30		-1	456	216952
6/2/24 6:00		-1	456	216952
6/2/24 6:30		-1	456	216952
6/2/24 7:00		-1	456	216952
6/2/24 7:30		-1	456	216952
6/2/24 8:00		-1	456	216952
6/2/24 8:30		-1	456	216952
6/2/24 9:00		-1	456	216952
6/2/24 9:30		-1	456	216952
6/2/24 10:00		-1	457	216952
6/2/24 10:30		-1	456	216952
6/2/24 11:00		-1	456	216952
6/2/24 11:30		-1	456	216952
6/2/24 12:00		-1	456	216952
6/2/24 12:30		-1	456	216952
6/2/24 13:00		-1	456	216952
6/2/24 13:30		-1	456	216952
6/2/24 14:00		-1	456	216952
6/2/24 14:30		-1	456	216952
6/2/24 15:00		-1	456	216952
6/2/24 15:30		-1	456	216952
6/2/24 16:00		-1	456	216952
6/2/24 16:30		-1	456	216952
6/2/24 17:00		-1	456	216952
6/2/24 17:30		-1	456	216952
6/2/24 18:00		-1	456	216952
6/2/24 18:30		-1	456	216952
6/2/24 19:00		-1	456	216952
6/2/24 19:30		-1	456	216952
6/2/24 20:00		-1	456	216952
6/2/24 20:30		-1	456	216952
6/2/24 21:00		-1	456	216952
6/2/24 21:30		-1	456	216952
6/2/24 22:00		-1	456	216952
6/2/24 22:30		-1	456	216952
6/2/24 23:00		-1	456	216952
6/2/24 23:30		-1	456	216952
6/3/24 0:00		-1	456	216952
6/3/24 0:30		-1	456	216952
6/3/24 1:00		-1	456	216952
6/3/24 1:30		-1	456	216952
6/3/24 2:00		-1	456	216952
6/3/24 2:30		-1	456	216952
6/3/24 3:00		-1	456	216952
6/3/24 3:30		-1	456	216952
6/3/24 4:00		-1	456	216952
6/3/24 4:30		-1	456	216952
6/3/24 5:00		-1	456	216952
6/3/24 5:30		-1	456	216952
6/3/24 6:00		-1	456	216952

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
6/3/24 6:30		-1	456	216952
6/3/24 7:00		-1	456	216952
6/3/24 7:30		-1	456	216952
6/3/24 8:00		-1	456	216952
6/3/24 8:30		-1	456	216952
6/3/24 9:00		-1	456	216952
6/3/24 9:30		-1	456	216952
6/3/24 10:00		-1	456	216952
6/3/24 10:30		-1	456	216952
6/3/24 11:00		-1	456	216952
6/3/24 11:30		-1	456	216952
6/3/24 12:00		-1	456	216952
6/3/24 12:30		-1	456	216952
6/3/24 13:00		-1	456	216952
6/3/24 13:30		-1	456	216952
6/3/24 14:00		-1	456	216952
6/3/24 14:30		-1	456	216952
6/3/24 15:00		-1	456	216952
6/3/24 15:30		-1	456	216952
6/3/24 16:00		-1	456	216952
6/3/24 16:30		-1	456	216952
6/3/24 17:00		-1	456	216952
6/3/24 17:30		-1	456	216952
6/3/24 18:00		-1	456	216952
6/3/24 18:30		-1	456	216952
6/3/24 19:00		-1	456	216952
6/3/24 19:30		-1	456	216952
6/3/24 20:00		-1	456	216952
6/3/24 20:30		-1	456	216952
6/3/24 21:00		-1	456	216952
6/3/24 21:30		-1	456	216952
6/3/24 22:00		-1	456	216952
6/3/24 22:30		-1	456	216952
6/3/24 23:00		-1	456	216952
6/3/24 23:30		-1	456	216952
6/4/24 0:00		-1	456	216952
6/4/24 0:30		-1	456	216952
6/4/24 1:00		-1	456	216952
6/4/24 1:30		-1	456	216952
6/4/24 2:00		-1	456	216952
6/4/24 2:30		-1	456	216952
6/4/24 3:00		-1	456	216952
6/4/24 3:30		-1	456	216952
6/4/24 4:00		-1	456	216952
6/4/24 4:30		-1	456	216952
6/4/24 5:00		-1	456	216952
6/4/24 5:30		-1	456	216952
6/4/24 6:00		-1	456	216952
6/4/24 6:30		-1	456	216952
6/4/24 7:00		-1	456	216952
6/4/24 7:30		-1	456	216952
6/4/24 8:00		-1	456	216952
6/4/24 8:30		-1	456	216952
6/4/24 9:00		-1	456	216952
6/4/24 9:30		-1	456	216952
6/4/24 10:00		-1	456	216952
6/4/24 10:30		-1	456	216952
6/4/24 11:00		-1	456	216952
6/4/24 11:30		-1	456	216952
6/4/24 12:00		-1	456	216952
6/4/24 12:30		-1	456	216952
6/4/24 13:00		-1	456	216952

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
6/4/24 13:30		-1	456	216952
6/4/24 14:00		-1	456	216952
6/4/24 14:30		-1	456	216952
6/4/24 15:00		-1	456	216952
6/4/24 15:30		-1	456	216952
6/4/24 16:00		-1	456	216952
6/4/24 16:30		-1	456	216952
6/4/24 17:00		-1	456	216952
6/4/24 17:30		-1	456	216952
6/4/24 18:00		-1	456	216952
6/4/24 18:30		-1	456	216952
6/4/24 19:00		-1	456	216952
6/4/24 19:30		-1	456	216952
6/4/24 20:00		-1	456	216952
6/4/24 20:30		-1	456	216952
6/4/24 21:00		-1	456	216952
6/4/24 21:30		-1	456	216952
6/4/24 22:00		-1	456	216952
6/4/24 22:30		-1	455	216952
6/4/24 23:00		-1	456	216952
6/4/24 23:30		-1	456	216952
6/5/24 0:00		-1	456	216952
6/5/24 0:30		-1	456	216952
6/5/24 1:00		-1	456	216952
6/5/24 1:30		-1	456	216952
6/5/24 2:00		-1	456	216952
6/5/24 2:30		-1	456	216952
6/5/24 3:00		-1	456	216952
6/5/24 3:30		-1	456	216952
6/5/24 4:00		-1	456	216952
6/5/24 4:30		-1	456	216952
6/5/24 5:00		-1	456	216952
6/5/24 5:30		-1	456	216952
6/5/24 6:00		-1	456	216952
6/5/24 6:30		-1	456	216952
6/5/24 7:00		-1	456	216952
6/5/24 7:30		-1	456	216952
6/5/24 8:00		-1	456	216952
6/5/24 8:30		-1	456	216952
6/5/24 9:00		-1	456	216952
6/5/24 9:30		-1	456	216952
6/5/24 10:00		-1	456	216952
6/5/24 10:30		-1	456	216952
6/5/24 11:00		-1	456	216952
6/5/24 11:30		-1	456	216952
6/5/24 12:00		-1	456	216952
6/5/24 12:30		-1	456	216952
6/5/24 13:00		-1	456	216952
6/5/24 13:30		-1	456	216952
6/5/24 14:00		-1	456	216952
6/5/24 14:30		-1	456	216952
6/5/24 15:00		-1	456	216952
6/5/24 15:30		-1	456	216952
6/5/24 16:00		-1	456	216952
6/5/24 16:30		-1	456	216952
6/5/24 17:00		-1	456	216952
6/5/24 17:30		-1	456	216952
6/5/24 18:00		-1	456	216952
6/5/24 18:30		-1	456	216952
6/5/24 19:00		-1	456	216952
6/5/24 19:30		-1	456	216952
6/5/24 20:00		-1	456	216952

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
6/5/24 20:30		-1	455	216952
6/5/24 21:00		-1	456	216952
6/5/24 21:30		-1	455	216952
6/5/24 22:00		-1	456	216952
6/5/24 22:30		-1	455	216952
6/5/24 23:00		-1	455	216952
6/5/24 23:30		-1	456	216952
6/6/24 0:00		-1	456	216952
6/6/24 0:30		-1	456	216952
6/6/24 1:00		-1	456	216952
6/6/24 1:30		-1	456	216952
6/6/24 2:00		-1	456	216952
6/6/24 2:30		-1	456	216952
6/6/24 3:00		-1	456	216952
6/6/24 3:30		-1	456	216952
6/6/24 4:00		-1	456	216952
6/6/24 4:30		-1	456	216952
6/6/24 5:00		-1	456	216952
6/6/24 5:30		-1	456	216952
6/6/24 6:00		-1	456	216952
6/6/24 6:30		-1	456	216952
6/6/24 7:00		-1	456	216952
6/6/24 7:30		-1	456	216952
6/6/24 8:00		-1	456	216952
6/6/24 8:30		-1	456	216952
6/6/24 9:00		-1	456	216952
6/6/24 9:30		-1	456	216952
6/6/24 10:00		-1	456	216952
6/6/24 10:30		-1	456	216952
6/6/24 11:00		-1	456	216952
6/6/24 11:30		-1	456	216952
6/6/24 12:00		-1	456	216952
6/6/24 12:30		-1	456	216952
6/6/24 13:00		-1	456	216952
6/6/24 13:30		-1	456	216952
6/6/24 14:00		-1	456	216952
6/6/24 14:30		-1	456	216952
6/6/24 15:00		-1	456	216952
6/6/24 15:30		-1	455	216952
6/6/24 16:00		-1	456	216952
6/6/24 16:30		-1	456	216952
6/6/24 17:00		-1	456	216952
6/6/24 17:30		-1	456	216952
6/6/24 18:00		-1	455	216952
6/6/24 18:30		-1	456	216952
6/6/24 19:00		-1	455	216952
6/6/24 19:30		-1	455	216952
6/6/24 20:00		-1	455	216952
6/6/24 20:30		-1	455	216952
6/6/24 21:00		-1	455	216952
6/6/24 21:30		-1	455	216952
6/6/24 22:00		-1	455	216952
6/6/24 22:30		-1	455	216952
6/6/24 23:00		-1	455	216952
6/6/24 23:30		-1	455	216952
6/7/24 0:00		-1	455	216952
6/7/24 0:30		-1	455	216952
6/7/24 1:00		-1	456	216952
6/7/24 1:30		-1	456	216952
6/7/24 2:00		-1	456	216952
6/7/24 2:30		-1	456	216952
6/7/24 3:00		-1	456	216952

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
6/7/24 3:30		-1	455	216952
6/7/24 4:00		-1	456	216952
6/7/24 4:30		-1	456	216952
6/7/24 5:00		-1	455	216952
6/7/24 5:30		-1	455	216952
6/7/24 6:00		-1	456	216952
6/7/24 6:30		-1	456	216952
6/7/24 7:00		-1	456	216952
6/7/24 7:30		-1	456	216952
6/7/24 8:00		-1	456	216952
6/7/24 8:30		-1	456	216952
6/7/24 9:00		-1	456	216952
6/7/24 9:30		-1	456	216952
6/7/24 10:00		-1	456	216952
6/7/24 10:30		-1	456	216952
6/7/24 11:00		-1	456	216952
6/7/24 11:30		-1	456	216952
6/7/24 12:00		-1	456	216952
6/7/24 12:30		-1	456	216952
6/7/24 13:00		-1	455	216952
6/7/24 13:30		-1	455	216952
6/7/24 14:00		-1	455	216952
6/7/24 14:30		-1	456	216952
6/7/24 15:00		-1	456	216952
6/7/24 15:30		-1	455	216952
6/7/24 16:00		-1	455	216952
6/7/24 16:30		-1	456	216952
6/7/24 17:00		-1	456	216952
6/7/24 17:30		-1	455	216952
6/7/24 18:00		-1	455	216952
6/7/24 18:30		-1	455	216952
6/7/24 19:00		-1	455	216952
6/7/24 19:30		-1	455	216952
6/7/24 20:00		-1	455	216952
6/7/24 20:30		-1	455	216952
6/7/24 21:00		-1	455	216952
6/7/24 21:30		-1	455	216952
6/7/24 22:00		-1	455	216952
6/7/24 22:30		-1	455	216952
6/7/24 23:00		-1	455	216952
6/7/24 23:30		-1	455	216952
6/8/24 0:00		-1	455	216952
6/8/24 0:30		-1	455	216952
6/8/24 1:00		-1	456	216952
6/8/24 1:30		-1	455	216952
6/8/24 2:00		-1	456	216952
6/8/24 2:30		-1	455	216952
6/8/24 3:00		-1	455	216952
6/8/24 3:30		-1	455	216952
6/8/24 4:00		-1	455	216952
6/8/24 4:30		-1	455	216952
6/8/24 5:00		-1	455	216952
6/8/24 5:30		-1	455	216952
6/8/24 6:00		-1	455	216952
6/8/24 6:30		-1	455	216952
6/8/24 7:00		-1	455	216952
6/8/24 7:30		-1	455	216952
6/8/24 8:00		-1	455	216952
6/8/24 8:30		-1	455	216952
6/8/24 9:00		-1	456	216952
6/8/24 9:30		-1	456	216952
6/8/24 10:00		-1	456	216952



Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
6/8/24 10:30		-1	456	216952
6/8/24 11:00		-1	456	216952
6/8/24 11:30		-1	456	216952
6/8/24 12:00		-1	456	216952
6/8/24 12:30		-1	456	216952
6/8/24 13:00		-1	455	216952
6/8/24 13:30		-1	455	216952
6/8/24 14:00		-1	455	216952
6/8/24 14:30		-1	455	216952
6/8/24 15:00		-1	455	216952
6/8/24 15:30		-1	455	216952
6/8/24 16:00		-1	455	216952
6/8/24 16:30		-1	455	216952
6/8/24 17:00		-1	455	216952
6/8/24 17:30		-1	455	216952
6/8/24 18:00		-1	455	216952
6/8/24 18:30		-1	455	216952
6/8/24 19:00		-1	455	216952
6/8/24 19:30		-1	455	216952
6/8/24 20:00		-1	455	216952
6/8/24 20:30		-1	455	216952
6/8/24 21:00		-1	455	216952
6/8/24 21:30		-1	455	216952
6/8/24 22:00		-1	455	216952
6/8/24 22:30		-1	455	216952
6/8/24 23:00		-1	455	216952
6/8/24 23:30		-1	455	216952
6/9/24 0:00		-1	455	216952
6/9/24 0:30		-1	455	216952
6/9/24 1:00		-1	455	216952
6/9/24 1:30		-1	455	216952
6/9/24 2:00		-1	455	216952
6/9/24 2:30		-1	455	216952
6/9/24 3:00		-1	455	216952
6/9/24 3:30		-1	455	216952
6/9/24 4:00		-1	455	216952
6/9/24 4:30		-1	455	216952
6/9/24 5:00		-1	455	216952
6/9/24 5:30		-1	455	216952
6/9/24 6:00		-1	455	216952
6/9/24 6:30		-1	455	216952
6/9/24 7:00		-1	455	216952
6/9/24 7:30		-1	455	216952
6/9/24 8:00		-1	455	216952
6/9/24 8:30		-1	455	216952
6/9/24 9:00		-1	456	216952
6/9/24 9:30		-1	456	216952
6/9/24 10:00		-1	456	216952
6/9/24 10:30		-1	456	216952
6/9/24 11:00		-1	456	216952
6/9/24 11:30		-1	456	216952
6/9/24 12:00		-1	456	216952
6/9/24 12:30		-1	456	216952
6/9/24 13:00		-1	455	216952
6/9/24 13:30		-1	455	216952
6/9/24 14:00		-1	455	216952
6/9/24 14:30		-1	455	216952
6/9/24 15:00		-1	455	216952
6/9/24 15:30		-1	455	216952
6/9/24 16:00		-1	455	216952
6/9/24 16:30		-1	455	216952
6/9/24 17:00		-1	455	216952

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
6/9/24 17:30		-1	455	216952
6/9/24 18:00		-1	455	216952
6/9/24 18:30		-1	455	216952
6/9/24 19:00		-1	455	216952
6/9/24 19:30		-1	455	216952
6/9/24 20:00		-1	455	216952
6/9/24 20:30		-1	455	216952
6/9/24 21:00		-1	455	216952
6/9/24 21:30		-1	455	216952
6/9/24 22:00		-1	455	216952
6/9/24 22:30		-1	455	216952
6/9/24 23:00		-1	455	216952
6/9/24 23:30		-1	455	216952
6/10/24 0:00		-1	455	216952
6/10/24 0:30		-1	455	216952
6/10/24 1:00		-1	455	216952
6/10/24 1:30		-1	455	216952
6/10/24 2:00		-1	455	216952
6/10/24 2:30		-1	455	216952
6/10/24 3:00		-1	455	216952
6/10/24 3:30		-1	455	216952
6/10/24 4:00		-1	455	216952
6/10/24 4:30		-1	455	216952
6/10/24 5:00		-1	455	216952
6/10/24 5:30		-1	455	216952
6/10/24 6:00		-1	455	216952
6/10/24 6:30		-1	455	216952
6/10/24 7:00		-1	455	216952
6/10/24 7:30		-1	455	216952
6/10/24 8:00		-1	455	216952
6/10/24 8:30		-1	455	216952
6/10/24 9:00		-1	455	216952
6/10/24 9:30		-1	455	216952
6/10/24 10:00		-1	455	216952
6/10/24 10:30		-1	455	216952
6/10/24 11:00		-1	455	216952
6/10/24 11:30		-1	455	216952
6/10/24 12:00		-1	455	216952
6/10/24 12:30		-1	455	216952
6/10/24 13:00		-1	455	216952
6/10/24 13:30		-1	455	216952
6/10/24 14:00		-1	455	216952
6/10/24 14:30		-1	455	216952
6/10/24 15:00		-1	455	216952
6/10/24 15:30		-1	455	216952
6/10/24 16:00		-1	455	216952
6/10/24 16:30		-1	455	216952
6/10/24 17:00		-1	455	216952
6/10/24 17:30		-1	455	216952
6/10/24 18:00		-1	455	216952
6/10/24 18:30		-1	454	216952
6/10/24 19:00		-1	455	216952
6/10/24 19:30		-1	455	216952
6/10/24 20:00		-1	455	216952
6/10/24 20:30		-1	455	216952
6/10/24 21:00		-1	455	216952
6/10/24 21:30		-1	455	216952
6/10/24 22:00		-1	455	216952
6/10/24 22:30		-1	455	216952
6/10/24 23:00		-1	455	216952
6/10/24 23:30		-1	455	216952
6/11/24 0:00		-1	455	216952

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
6/11/24 0:30		-1	455	216952
6/11/24 1:00		-1	455	216952
6/11/24 1:30		-1	455	216952
6/11/24 2:00		-1	455	216952
6/11/24 2:30		-1	455	216952
6/11/24 3:00		-1	455	216952
6/11/24 3:30		-1	455	216952
6/11/24 4:00		-1	455	216952
6/11/24 4:30		-1	455	216952
6/11/24 5:00		-1	455	216952
6/11/24 5:30		-1	455	216952
6/11/24 6:00		-1	455	216952
6/11/24 6:30		-1	455	216952
6/11/24 7:00		-1	455	216952
6/11/24 7:30		-1	455	216952
6/11/24 8:00		-1	455	216952
6/11/24 8:30		-1	455	216952
6/11/24 9:00		-1	455	216952
6/11/24 9:30		-1	455	216952
6/11/24 10:00		-1	455	216952
6/11/24 10:30		-1	455	216952
6/11/24 11:00		-1	455	216952
6/11/24 11:30		-1	455	216952
6/11/24 12:00		-1	455	216952
6/11/24 12:30		-1	455	216952
6/11/24 13:00		-1	455	216952
6/11/24 13:30		-1	455	216952
6/11/24 14:00		-1	455	216952
6/11/24 14:30		-1	455	216952
6/11/24 15:00		-1	455	216952
6/11/24 15:30		-1	455	216952
6/11/24 16:00		-1	455	216952
6/11/24 16:30		-1	455	216952
6/11/24 17:00		-1	455	216952
6/11/24 17:30		-1	455	216952
6/11/24 18:00		-1	455	216952
6/11/24 18:30		-1	455	216952
6/11/24 19:00		-1	455	216952
6/11/24 19:30		-1	455	216952
6/11/24 20:00		-1	455	216952
6/11/24 20:30		-1	455	216952
6/11/24 21:00		-1	455	216952
6/11/24 21:30		-1	455	216952
6/11/24 22:00		-1	455	216952
6/11/24 22:30		-1	455	216952
6/11/24 23:00		-1	455	216952
6/11/24 23:30		-1	455	216952
6/12/24 0:00		-1	455	216952
6/12/24 0:30		-1	455	216952
6/12/24 1:00		-1	455	216952
6/12/24 1:30		-1	455	216952
6/12/24 2:00		-1	455	216952
6/12/24 2:30		-1	455	216952
6/12/24 3:00		-1	455	216952
6/12/24 3:30		-1	455	216952
6/12/24 4:00		-1	455	216952
6/12/24 4:30		-1	455	216952
6/12/24 5:00		-1	455	216952
6/12/24 5:30		-1	455	216952
6/12/24 6:00		-1	455	216952
6/12/24 6:30		-1	455	216952
6/12/24 7:00		-1	455	216952

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
6/12/24 7:30		-1	455	216952
6/12/24 8:00		-1	455	216952
6/12/24 8:30		-1	455	216952
6/12/24 9:00		-1	455	216952
6/12/24 9:30		-1	455	216952
6/12/24 10:00		-1	455	216952
6/12/24 10:30		-1	455	216952
6/12/24 11:00		-1	455	216952
6/12/24 11:30		-1	455	216952
6/12/24 12:00		-1	455	216952
6/12/24 12:30		-1	455	216952
6/12/24 13:00		-1	455	216952
6/12/24 13:30		-1	455	216952
6/12/24 14:00		-1	455	216952
6/12/24 14:30		-1	455	216952
6/12/24 15:00		-1	455	216952
6/12/24 15:30		-1	455	216952
6/12/24 16:00		-1	455	216952
6/12/24 16:30		-1	455	216952
6/12/24 17:00		-1	455	216952
6/12/24 17:30		-1	455	216952
6/12/24 18:00		-1	455	216952
6/12/24 18:30		-1	455	216952
6/12/24 19:00		-1	455	216952
6/12/24 19:30		-1	455	216952
6/12/24 20:00		-1	455	216952
6/12/24 20:30		-1	455	216952
6/12/24 21:00		-1	455	216952
6/12/24 21:30		-1	454	216952
6/12/24 22:00		-1	454	216952
6/12/24 22:30		-1	454	216952
6/12/24 23:00		-1	454	216952
6/12/24 23:30		-1	455	216952
6/13/24 0:00		-1	455	216952
6/13/24 0:30		-1	455	216952
6/13/24 1:00		-1	455	216952
6/13/24 1:30		-1	455	216952
6/13/24 2:00		-1	455	216952
6/13/24 2:30		-1	455	216952
6/13/24 3:00		-1	455	216952
6/13/24 3:30		-1	455	216952
6/13/24 4:00		-1	455	216952
6/13/24 4:30		-1	455	216952
6/13/24 5:00		-1	455	216952
6/13/24 5:30		-1	455	216952
6/13/24 6:00		-1	455	216952
6/13/24 6:30		-1	455	216952
6/13/24 7:00		-1	455	216952
6/13/24 7:30		-1	455	216952
6/13/24 8:00		-1	455	216952
6/13/24 8:30		-1	455	216952
6/13/24 9:00		-1	455	216952
6/13/24 9:30		-1	455	216952
6/13/24 10:00		-1	455	216952
6/13/24 10:30		-1	455	216952
6/13/24 11:00		-1	455	216952
6/13/24 11:30		-1	455	216952
6/13/24 12:00		-1	455	216952
6/13/24 12:30		-1	455	216952
6/13/24 13:00		-1	455	216952
6/13/24 13:30		-1	455	216952
6/13/24 14:00		-1	455	216952

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
6/13/24 14:30		-1	455	216952
6/13/24 15:00		-1	455	216952
6/13/24 15:30		-1	455	216952
6/13/24 16:00		-1	455	216952
6/13/24 16:30		-1	455	216952
6/13/24 17:00		-1	455	216952
6/13/24 17:30		-1	455	216952
6/13/24 18:00		-1	455	216952
6/13/24 18:30		-1	454	216952
6/13/24 19:00		-1	454	216952
6/13/24 19:30		-1	454	216952
6/13/24 20:00		-1	455	216952
6/13/24 20:30		-1	455	216952
6/13/24 21:00		-1	454	216952
6/13/24 21:30		-1	454	216952
6/13/24 22:00		-1	454	216952
6/13/24 22:30		-1	455	216952
6/13/24 23:00		-1	455	216952
6/13/24 23:30		-1	455	216952
6/14/24 0:00		-1	455	216952
6/14/24 0:30		-1	455	216952
6/14/24 1:00		-1	455	216952
6/14/24 1:30		-1	455	216952
6/14/24 2:00		-1	455	216952
6/14/24 2:30		-1	455	216952
6/14/24 3:00		-1	455	216952
6/14/24 3:30		-1	455	216952
6/14/24 4:00		-1	455	216952
6/14/24 4:30		-1	455	216952
6/14/24 5:00		-1	455	216952
6/14/24 5:30		-1	455	216952
6/14/24 6:00		-1	455	216952
6/14/24 6:30		-1	455	216952
6/14/24 7:00		-1	455	216952
6/14/24 7:30		-1	455	216952
6/14/24 8:00		-1	455	216952
6/14/24 8:30		-1	455	216952
6/14/24 9:00		-1	455	216952
6/14/24 9:30		-1	455	216952
6/14/24 10:00		-1	454	216952
6/14/24 10:30		-1	455	216952
6/14/24 11:00		-1	455	216952
6/14/24 11:30		-1	455	216952
6/14/24 12:00		-1	455	216952
6/14/24 12:30		-1	455	216952
6/14/24 13:00		-1	455	216952
6/14/24 13:30		-1	455	216952
6/14/24 14:00		-1	455	216952
6/14/24 14:30		-1	455	216952
6/14/24 15:00		-1	455	216952
6/14/24 15:30		-1	455	216952
6/14/24 16:00		-1	454	216952
6/14/24 16:30		-1	454	216952
6/14/24 17:00		-1	454	216952
6/14/24 17:30		-1	454	216952
6/14/24 18:00		-1	454	216952
6/14/24 18:30		-1	455	216952
6/14/24 19:00		-1	455	216952
6/14/24 19:30		-1	455	216952
6/14/24 20:00		-1	455	216952
6/14/24 20:30		-1	455	216952
6/14/24 21:00		-1	454	216952

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
6/14/24 21:30		-1	454	216952
6/14/24 22:00		-1	454	216952
6/14/24 22:30		-1	454	216952
6/14/24 23:00		-1	454	216952
6/14/24 23:30		-1	454	216952
6/15/24 0:00		-1	454	216952
6/15/24 0:30		-1	454	216952
6/15/24 1:00		-1	454	216952
6/15/24 1:30		-1	454	216952
6/15/24 2:00		-1	455	216952
6/15/24 2:30		-1	455	216952
6/15/24 3:00		-1	455	216952
6/15/24 3:30		-1	454	216952
6/15/24 4:00		-1	455	216952
6/15/24 4:30		-1	455	216952
6/15/24 5:00		-1	455	216952
6/15/24 5:30		-1	455	216952
6/15/24 6:00		-1	454	216952
6/15/24 6:30		-1	454	216952
6/15/24 7:00		-1	455	216952
6/15/24 7:30		-1	454	216952
6/15/24 8:00		-1	454	216952
6/15/24 8:30		-1	455	216952
6/15/24 9:00		-1	455	216952
6/15/24 9:30		-1	455	216952
6/15/24 10:00		-1	455	216952
6/15/24 10:30		-1	455	216952
6/15/24 11:00		-1	455	216952
6/15/24 11:30		-1	455	216952
6/15/24 12:00		-1	455	216952
6/15/24 12:30		-1	455	216952
6/15/24 13:00		-1	455	216952
6/15/24 13:30		-1	455	216952
6/15/24 14:00		-1	455	216952
6/15/24 14:30		-1	455	216952
6/15/24 15:00		-1	455	216952
6/15/24 15:30		-1	455	216952
6/15/24 16:00		-1	454	216952
6/15/24 16:30		-1	454	216952
6/15/24 17:00		-1	455	216952
6/15/24 17:30		-1	455	216952
6/15/24 18:00		-1	455	216952
6/15/24 18:30		-1	454	216952
6/15/24 19:00		-1	454	216952
6/15/24 19:30		-1	454	216952
6/15/24 20:00		-1	454	216952
6/15/24 20:30		-1	454	216952
6/15/24 21:00		-1	454	216952
6/15/24 21:30		-1	454	216952
6/15/24 22:00		-1	454	216952
6/15/24 22:30		-1	454	216952
6/15/24 23:00		-1	454	216952
6/15/24 23:30		-1	454	216952
6/16/24 0:00		-1	454	216952
6/16/24 0:30		-1	454	216952
6/16/24 1:00		-1	454	216952
6/16/24 1:30		-1	454	216952
6/16/24 2:00		-1	454	216952
6/16/24 2:30		-1	454	216952
6/16/24 3:00		-1	455	216952
6/16/24 3:30		-1	455	216952
6/16/24 4:00		-1	454	216952

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
6/16/24 4:30		-1	454	216952
6/16/24 5:00		-1	454	216952
6/16/24 5:30		-1	454	216952
6/16/24 6:00		-1	454	216952
6/16/24 6:30		-1	454	216952
6/16/24 7:00		-1	454	216952
6/16/24 7:30		-1	454	216952
6/16/24 8:00		-1	454	216952
6/16/24 8:30		-1	454	216952
6/16/24 9:00		-1	455	216952
6/16/24 9:30		-1	455	216952
6/16/24 10:00		-1	455	216952
6/16/24 10:30		-1	455	216952
6/16/24 11:00		-1	455	216952
6/16/24 11:30		-1	455	216952
6/16/24 12:00		-1	455	216952
6/16/24 12:30		-1	455	216952
6/16/24 13:00		-1	455	216952
6/16/24 13:30		-1	455	216952
6/16/24 14:00		-1	454	216952
6/16/24 14:30		-1	454	216952
6/16/24 15:00		-1	454	216952
6/16/24 15:30		-1	454	216952
6/16/24 16:00		-1	454	216952
6/16/24 16:30		-1	454	216952
6/16/24 17:00		-1	454	216952
6/16/24 17:30		-1	454	216952
6/16/24 18:00		-1	454	216952
6/16/24 18:30		-1	454	216952
6/16/24 19:00		-1	454	216952
6/16/24 19:30		-1	454	216952
6/16/24 20:00		-1	454	216952
6/16/24 20:30		-1	454	216952
6/16/24 21:00		-1	454	216952
6/16/24 21:30		-1	454	216952
6/16/24 22:00		-1	454	216952
6/16/24 22:30		-1	454	216952
6/16/24 23:00		-1	454	216952
6/16/24 23:30		-1	454	216952
6/17/24 0:00		-1	454	216952
6/17/24 0:30		-1	454	216952
6/17/24 1:00		-1	454	216952
6/17/24 1:30		-1	454	216952
6/17/24 2:00		-1	454	216952
6/17/24 2:30		-1	454	216952
6/17/24 3:00		-1	454	216952
6/17/24 3:30		-1	454	216952
6/17/24 4:00		-1	454	216952
6/17/24 4:30		-1	454	216952
6/17/24 5:00		-1	454	216952
6/17/24 5:30		-1	454	216952
6/17/24 6:00		-1	454	216952
6/17/24 6:30		-1	454	216952
6/17/24 7:00		-1	454	216952
6/17/24 7:30		-1	454	216952
6/17/24 8:00		-1	454	216952
6/17/24 8:30		-1	454	216952
6/17/24 9:00		-1	455	216952
6/17/24 9:30		-1	455	216952
6/17/24 10:00		-1	455	216952
6/17/24 10:30		-1	455	216952
6/17/24 11:00		-1	455	216952

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
6/17/24 11:30		-1	455	216952
6/17/24 12:00		-1	455	216952
6/17/24 12:30		-1	454	216952
6/17/24 13:00		-1	454	216952
6/17/24 13:30		-1	454	216952
6/17/24 14:00		-1	454	216952
6/17/24 14:30		-1	454	216952
6/17/24 15:00		-1	454	216952
6/17/24 15:30		-1	454	216952
6/17/24 16:00		-1	454	216952
6/17/24 16:30		-1	454	216952
6/17/24 17:00		-1	454	216952
6/17/24 17:30		-1	454	216952
6/17/24 18:00		-1	454	216952
6/17/24 18:30		-1	454	216952
6/17/24 19:00		-1	454	216952
6/17/24 19:30		-1	454	216952
6/17/24 20:00		-1	454	216952
6/17/24 20:30		-1	454	216952
6/17/24 21:00		-1	454	216952
6/17/24 21:30		-1	454	216952
6/17/24 22:00		-1	454	216952
6/17/24 22:30		-1	454	216952
6/17/24 23:00		-1	454	216952
6/17/24 23:30		-1	454	216952
6/18/24 0:00		-1	454	216952
6/18/24 0:30		-1	454	216952
6/18/24 1:00		-1	454	216952
6/18/24 1:30		-1	454	216952
6/18/24 2:00		-1	454	216952
6/18/24 2:30		-1	454	216952
6/18/24 3:00		-1	454	216952
6/18/24 3:30		-1	454	216952
6/18/24 4:00		-1	454	216952
6/18/24 4:30		-1	454	216952
6/18/24 5:00		-1	454	216952
6/18/24 5:30		-1	454	216952
6/18/24 6:00		-1	454	216952
6/18/24 6:30		-1	454	216952
6/18/24 7:00		-1	454	216952
6/18/24 7:30		-1	454	216952
6/18/24 8:00		-1	454	216952
6/18/24 8:30		-1	454	216952
6/18/24 9:00		-1	455	216952
6/18/24 9:30		-1	455	216952
6/18/24 10:00		-1	454	216952
6/18/24 10:30		-1	454	216952
6/18/24 11:00		-1	455	216952
6/18/24 11:30		-1	454	216952
6/18/24 12:00		-1	454	216952
6/18/24 12:30		-1	454	216952
6/18/24 13:00		-1	454	216952
6/18/24 13:30		-1	454	216952
6/18/24 14:00		-1	454	216952
6/18/24 14:30		-1	454	216952
6/18/24 15:00		-1	454	216952
6/18/24 15:30		-1	454	216952
6/18/24 16:00		-1	454	216952
6/18/24 16:30		-1	454	216952
6/18/24 17:00		-1	454	216952
6/18/24 17:30		-1	454	216952
6/18/24 18:00		-1	454	216952



Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
6/18/24 18:30		-1	454	216952
6/18/24 19:00		-1	454	216952
6/18/24 19:30		-1	454	216952
6/18/24 20:00		-1	454	216952
6/18/24 20:30		-1	454	216952
6/18/24 21:00		-1	454	216952
6/18/24 21:30		-1	454	216952
6/18/24 22:00		-1	454	216952
6/18/24 22:30		-1	454	216952
6/18/24 23:00		-1	454	216952
6/18/24 23:30		-1	454	216952
6/19/24 0:00		-1	454	216952
6/19/24 0:30		-1	454	216952
6/19/24 1:00		-1	454	216952
6/19/24 1:30		-1	454	216952
6/19/24 2:00		-1	454	216952
6/19/24 2:30		-1	454	216952
6/19/24 3:00		-1	454	216952
6/19/24 3:30		-1	454	216952
6/19/24 4:00		-1	454	216952
6/19/24 4:30		-1	454	216952
6/19/24 5:00		-1	454	216952
6/19/24 5:30		-1	454	216952
6/19/24 6:00		-1	454	216952
6/19/24 6:30		-1	454	216952
6/19/24 7:00		-1	454	216952
6/19/24 7:30		-1	454	216952
6/19/24 8:00		-1	454	216952
6/19/24 8:30		-1	454	216952
6/19/24 9:00		-1	454	216952
6/19/24 9:30		-1	454	216952
6/19/24 10:00		-1	454	216952
6/19/24 10:30		-1	454	216952
6/19/24 11:00		-1	454	216952
6/19/24 11:30		-1	454	216952
6/19/24 12:00		-1	454	216952
6/19/24 12:30		-1	455	216952
6/19/24 13:00		-1	454	216952
6/19/24 13:30		-1	454	216952
6/19/24 14:00		-1	454	216952
6/19/24 14:30	32	-1	569	216954
6/19/24 15:00	34	-2	740	216978
6/19/24 15:30	34	-2	803	217002
6/19/24 16:00	33	-2	843	217026
6/19/24 16:30	34	-1	872	217049
6/19/24 17:00	35	-1	900	217074
6/19/24 17:30	34	-1	920	217099
6/19/24 18:00	34	-1	938	217123
6/19/24 18:30	34	-1	953	217147
6/19/24 19:00	34	-1	966	217171
6/19/24 19:30	32	-1	978	217195
6/19/24 20:00	33	-1	989	217219
6/19/24 20:30	33	-1	991	217243
6/19/24 21:00	31	-1	1000	217266
6/19/24 21:30	33	-1	1009	217289
6/19/24 22:00	31	-1	1017	217313
6/19/24 22:30	34	-1	1024	217336
6/19/24 23:00	33	-1	1031	217359
6/19/24 23:30	32	-1	1038	217383
6/20/24 0:00	34	-1	1043	217406
6/20/24 0:30	33	-1	1047	217429
6/20/24 1:00	32	-1	1052	217452

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
6/20/24 1:30	32	-1	1055	217475
6/20/24 2:00	32	-1	1060	217498
6/20/24 2:30	31	-1	1065	217521
6/20/24 3:00	32	-1	1070	217543
6/20/24 3:30	32	-1	1075	217566
6/20/24 4:00		-1	837	217575
6/20/24 4:30		-1	772	217575
6/20/24 5:00		-1	729	217575
6/20/24 5:30		-1	701	217575
6/20/24 6:00		-1	679	217575
6/20/24 6:30		-1	662	217575
6/20/24 7:00		-1	649	217575
6/20/24 7:30		-1	649	217575
6/20/24 8:00		-1	627	217575
6/20/24 8:30		-1	619	217575
6/20/24 9:00		-1	612	217575
6/20/24 9:30		-1	605	217575
6/20/24 10:00		-1	600	217575
6/20/24 10:30		-1	594	217575
6/20/24 11:00		-1	590	217575
6/20/24 11:30		-1	585	217575
6/20/24 12:00		-1	581	217575
6/20/24 12:30		-1	577	217575
6/20/24 13:00		-1	574	217575
6/20/24 13:30		-1	570	217575
6/20/24 14:00		-1	568	217575
6/20/24 14:30		-1	565	217575
6/20/24 15:00	34	-1	738	217581
6/20/24 15:30	32	-2	856	217605
6/20/24 16:00	33	-1	906	217629
6/20/24 16:30	33	-1	939	217652
6/20/24 17:00	34	-1	964	217675
6/20/24 17:30	32	-1	983	217699
6/20/24 18:00	33	-1	997	217722
6/20/24 18:30	31	-1	1011	217744
6/20/24 19:00	29	-1	999	217766
6/20/24 19:30	28	-1	1000	217786
6/20/24 20:00	29	-1	1005	217807
6/20/24 20:30	23	-1	973	217824
6/20/24 21:00	23	-1	966	217841
6/20/24 21:30	24	-1	964	217857
6/20/24 22:00	23	-1	964	217873
6/20/24 22:30	23	-1	965	217890
6/20/24 23:00	23	-1	967	217906
6/20/24 23:30	22	-1	969	217922
6/21/24 0:00	24	-1	971	217939
6/21/24 0:30	22	-1	973	217955
6/21/24 1:00	23	-1	976	217971
6/21/24 1:30	24	-1	981	217988
6/21/24 2:00	24	-1	985	218005
6/21/24 2:30	23	-1	988	218022
6/21/24 3:00	23	-1	990	218038
6/21/24 3:30	23	-1	993	218055
6/21/24 4:00	23	-1	995	218071
6/21/24 4:30	23	-1	997	218088
6/21/24 5:00	23	-1	1000	218105
6/21/24 5:30	23	-1	1003	218121
6/21/24 6:00	22	-1	1005	218138
6/21/24 6:30	23	-1	1008	218155
6/21/24 7:00	24	-1	1010	218171
6/21/24 7:30	23	-1	1012	218188
6/21/24 8:00	23	-1	1014	218205

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
6/21/24 8:30	23	-1	1017	218221
6/21/24 9:00	23	-1	1018	218238
6/21/24 9:30	24	-1	1021	218255
6/21/24 10:00	23	-1	1023	218271
6/21/24 10:30	24	-1	1023	218288
6/21/24 11:00	24	-1	1027	218305
6/21/24 11:30	24	-1	1029	218322
6/21/24 12:00	23	-1	1030	218338
6/21/24 12:30	24	-1	1032	218355
6/21/24 13:00	23	-1	1034	218372
6/21/24 13:30	23	-1	1035	218388
6/21/24 14:00	24	-1	1037	218405
6/21/24 14:30	23	-1	1039	218422
6/21/24 15:00	24	-1	1041	218439
6/21/24 15:30	23	-1	1042	218456
6/21/24 16:00		-1	849	218461
6/21/24 16:30		-1	785	218461
6/21/24 17:00		-1	771	218461
6/21/24 17:30		-1	751	218461
6/21/24 18:00		-1	735	218461
6/21/24 18:30		-1	722	218461
6/21/24 19:00		-1	712	218461
6/21/24 19:30		-1	703	218461
6/21/24 20:00		-1	694	218461
6/21/24 20:30	24	-1	846	218470
6/21/24 21:00	23	-1	898	218486
6/21/24 21:30	32	-1	955	218503
6/21/24 22:00	30	-1	955	218525
6/21/24 22:30	31	-1	1040	218547
6/21/24 23:00	31	-1	1060	218570
6/21/24 23:30	31	-1	1077	218592
6/22/24 0:00	30	-1	1092	218614
6/22/24 0:30	31	-1	1103	218637
6/22/24 1:00	30	-1	1114	218659
6/22/24 1:30	34	-1	1135	218683
6/22/24 2:00	34	-1	1144	218707
6/22/24 2:30	34	-1	1153	218731
6/22/24 3:00	34	-1	1160	218754
6/22/24 3:30	33	-1	1166	218778
6/22/24 4:00	33	-1	1172	218802
6/22/24 4:30	34	-1	1178	218826
6/22/24 5:00	32	-1	1178	218850
6/22/24 5:30	31	-1	1186	218874
6/22/24 6:00	32	-1	1181	218897
6/22/24 6:30	34	-1	1192	218920
6/22/24 7:00	34	-1	1197	218944
6/22/24 7:30	34	-1	1201	218968
6/22/24 8:00	34	-1	1205	218992
6/22/24 8:30	34	-1	1208	219016
6/22/24 9:00	32	-1	1210	219040
6/22/24 9:30	33	-1	1212	219064
6/22/24 10:00	34	-1	1213	219088
6/22/24 10:30	32	-1	1211	219111
6/22/24 11:00	32	-1	1214	219134
6/22/24 11:30	34	-1	1215	219157
6/22/24 12:00	33	-1	1218	219180
6/22/24 12:30	34	-1	1220	219204
6/22/24 13:00	33	-1	1222	219227
6/22/24 13:30	33	-1	1223	219250
6/22/24 14:00	33	-1	1223	219274
6/22/24 14:30	32	-1	1225	219297
6/22/24 15:00	33	-1	1226	219320

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
6/22/24 15:30	32	-1	1228	219343
6/22/24 16:00	32	-1	1229	219366
6/22/24 16:30	32	-1	1231	219389
6/22/24 17:00	33	-1	1233	219413
6/22/24 17:30	32	-1	1234	219437
6/22/24 18:00	33	-1	1237	219460
6/22/24 18:30	32	-1	1239	219484
6/22/24 19:00	32	-1	1241	219508
6/22/24 19:30	33	-1	1243	219532
6/22/24 20:00	32	-1	1244	219556
6/22/24 20:30		-1	1124	219577
6/22/24 21:00		-1	991	219577
6/22/24 21:30		-1	940	219577
6/22/24 22:00		-1	906	219577
6/22/24 22:30		-1	881	219577
6/22/24 23:00		-1	861	219577
6/22/24 23:30		-1	844	219577
6/23/24 0:00		-1	830	219577
6/23/24 0:30		-1	818	219577
6/23/24 1:00		-1	808	219577
6/23/24 1:30		-1	798	219577
6/23/24 2:00		-1	790	219577
6/23/24 2:30		-1	782	219577
6/23/24 3:00		-1	775	219577
6/23/24 3:30		-1	768	219577
6/23/24 4:00		-1	762	219577
6/23/24 4:30		-1	757	219577
6/23/24 5:00		-1	751	219577
6/23/24 5:30		-1	746	219577
6/23/24 6:00		-1	742	219577
6/23/24 6:30		-1	737	219577
6/23/24 7:00		-1	733	219577
6/23/24 7:30		-1	729	219577
6/23/24 8:00		-1	725	219577
6/23/24 8:30		-1	721	219577
6/23/24 9:00		-1	718	219577
6/23/24 9:30		-1	715	219577
6/23/24 10:00		-1	712	219577
6/23/24 10:30		-1	708	219577
6/23/24 11:00		-1	705	219577
6/23/24 11:30		-1	703	219577
6/23/24 12:00		-1	700	219577
6/23/24 12:30		-1	697	219577
6/23/24 13:00		-1	695	219577
6/23/24 13:30		-1	692	219577
6/23/24 14:00		-1	690	219577
6/23/24 14:30	30	-2	690	219594
6/23/24 15:00	28	-1	973	219615
6/23/24 15:30	29	-1	1007	219636
6/23/24 16:00	29	-1	1007	219657
6/23/24 16:30	24	-1	1021	219677
6/23/24 17:00	24	-1	1018	219694
6/23/24 17:30	23	-1	1023	219712
6/23/24 18:00	23	-1	1029	219729
6/23/24 18:30	23	-1	1034	219747
6/23/24 19:00	23	-1	1039	219764
6/23/24 19:30	24	-1	1044	219781
6/23/24 20:00	22	-1	1048	219799
6/23/24 20:30	22	-1	1050	219816
6/23/24 21:00	23	-1	1054	219833
6/23/24 21:30	23	-1	1057	219850
6/23/24 22:00		-1	958	219864

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
6/23/24 22:30		-1	958	219864
6/23/24 23:00		-1	825	219864
6/23/24 23:30		-1	801	219864
6/24/24 0:00		-1	783	219864
6/24/24 0:30		-1	770	219864
6/24/24 1:00		-1	759	219864
6/24/24 1:30		-1	750	219864
6/24/24 2:00		-1	742	219864
6/24/24 2:30		-1	736	219864
6/24/24 3:00		-1	730	219864
6/24/24 3:30		-1	724	219864
6/24/24 4:00		-1	719	219864
6/24/24 4:30		-1	715	219864
6/24/24 5:00		-1	711	219864
6/24/24 5:30		-1	707	219864
6/24/24 6:00		-1	704	219864
6/24/24 6:30		-1	700	219864
6/24/24 7:00		-1	697	219864
6/24/24 7:30		-1	694	219864
6/24/24 8:00		-1	692	219864
6/24/24 8:30	24	-1	825	219870
6/24/24 9:00	24	-1	896	219888
6/24/24 9:30	22	-1	931	219905
6/24/24 10:00	23	-1	955	219923
6/24/24 10:30	25	-1	973	219940
6/24/24 11:00	24	-1	990	219957
6/24/24 11:30	24	-1	1001	219975
6/24/24 12:00	24	-1	1010	219992
6/24/24 12:30	25	-1	1025	220010
6/24/24 13:00	25	-1	1035	220027
6/24/24 13:30	23	-1	1035	220044
6/24/24 14:00	23	-1	1037	220061
6/24/24 14:30	24	-1	1042	220078
6/24/24 15:00	23	-1	1046	220096
6/24/24 15:30		-1	912	220106
6/24/24 16:00		-1	842	220106
6/24/24 16:30		-1	808	220106
6/24/24 17:00		-1	786	220106
6/24/24 17:30		-1	770	220106
6/24/24 18:00		-1	758	220106
6/24/24 18:30		-1	748	220106
6/24/24 19:00		-1	740	220106
6/24/24 19:30		-1	733	220106
6/24/24 20:00		-1	726	220106
6/24/24 20:30		-1	721	220106
6/24/24 21:00		-1	716	220106
6/24/24 21:30		-1	712	220106
6/24/24 22:00		-1	708	220106
6/24/24 22:30		-1	708	220106
6/24/24 23:00		-1	700	220106
6/24/24 23:30		-1	697	220106
6/25/24 0:00		-1	694	220106
6/25/24 0:30		-1	692	220106
6/25/24 1:00		-1	689	220106
6/25/24 1:30		-1	687	220106
6/25/24 2:00		-1	684	220106
6/25/24 2:30		-1	682	220106
6/25/24 3:00		-1	680	220106
6/25/24 3:30		-1	678	220106
6/25/24 4:00		-1	676	220106
6/25/24 4:30		-1	674	220106
6/25/24 5:00	23	-1	860	220122

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
6/25/24 5:30	23	-1	904	220140
6/25/24 6:00	23	-1	931	220157
6/25/24 6:30	22	-1	950	220174
6/25/24 7:00	22	-1	965	220192
6/25/24 7:30	24	-1	978	220209
6/25/24 8:00	23	-1	988	220226
6/25/24 8:30	23	-1	997	220243
6/25/24 9:00	24	-1	1005	220261
6/25/24 9:30	23	-1	1012	220278
6/25/24 10:00		-1	841	220281
6/25/24 10:30		-1	795	220281
6/25/24 11:00		-1	795	220281
6/25/24 11:30		-1	752	220281
6/25/24 12:00		-1	752	220281
6/25/24 12:30		-1	752	220281
6/25/24 13:00		-1	752	220281
6/25/24 13:30		-1	752	220281
6/25/24 14:00		-1	752	220281
6/25/24 14:30		-1	752	220281
6/25/24 15:00		-1	752	220281
6/25/24 15:30		-1	752	220281
6/25/24 16:00		-1	752	220281
6/25/24 16:30		-1	752	220281
6/25/24 17:00		-1	752	220281
6/25/24 17:30		-1	683	220281
6/25/24 18:00		-1	681	220281
6/25/24 18:30		-1	678	220281
6/25/24 19:00		-1	676	220281
6/25/24 19:30		-1	674	220281
6/25/24 20:00		-1	672	220281
6/25/24 20:30		-1	670	220281
6/25/24 21:00		-1	667	220281
6/25/24 21:30		-1	666	220281
6/25/24 22:00		-1	664	220281
6/25/24 22:30		-1	663	220281
6/25/24 23:00		-1	661	220281
6/25/24 23:30		-1	660	220281
6/26/24 0:00		-1	659	220281
6/26/24 0:30		-1	657	220281
6/26/24 1:00		-1	656	220281
6/26/24 1:30		-1	655	220281
6/26/24 2:00		-1	653	220281
6/26/24 2:30		-1	652	220281
6/26/24 3:00		-1	651	220281
6/26/24 3:30		-1	650	220281
6/26/24 4:00	22	-1	780	220287
6/26/24 4:30	22	-1	849	220304
6/26/24 5:00	23	-1	883	220321
6/26/24 5:30	23	-1	905	220337
6/26/24 6:00	23	-1	923	220353
6/26/24 6:30	22	-1	937	220370
6/26/24 7:00	22	-1	949	220397
6/26/24 7:30	23	-1	959	220413
6/26/24 8:00	22	-1	969	220429
6/26/24 8:30	24	-1	983	220447
6/26/24 9:00	22	-1	992	220464
6/26/24 9:30	23	-1	999	220481
6/26/24 10:00	23	-1	1005	220498
6/26/24 10:30	23	-1	1010	220536
6/26/24 11:00	24	-1	1015	220553
6/26/24 11:30		-1	896	220565
6/26/24 12:00		-1	818	220565

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
6/26/24 12:30		-1	783	220565
6/26/24 13:00		-1	762	220565
6/26/24 13:30		-1	746	220565
6/26/24 14:00	22	-1	905	220577
6/26/24 14:30	22	-1	945	220594
6/26/24 15:00	23	-1	945	220611
6/26/24 15:30	22	-1	985	220628
6/26/24 16:00	23	-1	997	220645
6/26/24 16:30	24	-1	1006	220662
6/26/24 17:00	23	-1	1014	220679
6/26/24 17:30	23	-1	1021	220696
6/26/24 18:00	23	-1	1027	220723
6/26/24 18:30	23	-1	1033	220740
6/26/24 19:00		-1	855	220742
6/26/24 19:30		-1	811	220742
6/26/24 20:00		-1	787	220742
6/26/24 20:30		-1	769	220742
6/26/24 21:00		-1	756	220742
6/26/24 21:30		-1	746	220742
6/26/24 22:00		-1	737	220742
6/26/24 22:30		-1	730	220742
6/26/24 23:00		-1	724	220742
6/26/24 23:30		-1	718	220742
6/27/24 0:00		-1	713	220742
6/27/24 0:30		-1	709	220742
6/27/24 1:00		-1	800	220742
6/27/24 1:30		-1	901	220742
6/27/24 2:00	24	-1	934	220753
6/27/24 2:30	24	-1	965	220770
6/27/24 3:00	24	-1	984	220787
6/27/24 3:30	24	-1	998	220805
6/27/24 4:00	23	-1	1010	220822
6/27/24 4:30	23	-1	1019	220840
6/27/24 5:00	23	-1	1027	220857
6/27/24 5:30	23	-1	1033	220885
6/27/24 6:00	22	-1	1037	220902
6/27/24 6:30	23	-1	1043	220920
6/27/24 7:00	22	-1	1042	220937
6/27/24 7:30	23	-1	1051	220954
6/27/24 8:00	23	-1	1056	220971
6/27/24 8:30	28	-1	1098	220991
6/27/24 9:00	30	-1	1114	221012
6/27/24 9:30	30	-1	1124	221033
6/27/24 10:00	27	-1	1129	221054
6/27/24 10:30	29	-1	1131	221074
6/27/24 11:00	29	-1	1140	221115
6/27/24 11:30	28	-1	1146	221136
6/27/24 12:00	29	-1	1152	221157
6/27/24 12:30	29	-1	1158	221178
6/27/24 13:00	30	-1	1161	221199
6/27/24 13:30	28	-1	1165	221219
6/27/24 14:00	30	-1	1168	221240
6/27/24 14:30	29	-1	1171	221261
6/27/24 15:00	29	-1	1174	221281
6/27/24 15:30	28	-1	1172	221302
6/27/24 16:00	28	-1	1170	221323
6/27/24 16:30	29	-1	1172	221343
6/27/24 17:00	29	-1	1175	221364
6/27/24 17:30		-1	1003	221377
6/27/24 18:00		-1	1003	221377
6/27/24 18:30		-1	1003	221377
6/27/24 19:00		-1	1003	221377

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
6/27/24 19:30		-1	1003	221377
6/27/24 20:00		-1	1003	221377
6/27/24 20:30		-1	1003	221377
6/27/24 21:00		-1	1003	221377
6/27/24 21:30		-1	1003	221377
6/27/24 22:00	30	-1	1003	221536
6/27/24 22:30	30	-1	1203	221557
6/27/24 23:00	29	-1	1205	221578
6/27/24 23:30	30	-1	1210	221599
6/28/24 0:00	30	-1	1211	221620
6/28/24 0:30	29	-1	1212	221641
6/28/24 1:00	31	-1	1217	221662
6/28/24 1:30	30	-1	1220	221683
6/28/24 2:00	31	-1	1226	221704
6/28/24 2:30	31	-1	1230	221725
6/28/24 3:00	29	-1	1232	221747
6/28/24 3:30	29	-1	1235	221768
6/28/24 4:00	30	-1	1237	221789
6/28/24 4:30	31	-1	1238	221810
6/28/24 5:00	29	-1	1240	221831
6/28/24 5:30	31	-1	1242	221852
6/28/24 6:00	30	-1	1244	221873
6/28/24 6:30	29	-1	1245	221894
6/28/24 7:00	30	-1	1245	221915
6/28/24 7:30	31	-1	1250	221936
6/28/24 8:00	31	-1	1254	221957
6/28/24 8:30	31	-1	1256	221978
6/28/24 9:00	30	-1	1256	221998
6/28/24 9:30	30	-1	1258	222020
6/28/24 10:00	28	-1	1255	222041
6/28/24 10:30	28	-1	1252	222059
6/28/24 11:00	30	-1	1258	222083
6/28/24 11:30	30	-1	1257	222104
6/28/24 12:00	30	-1	1261	222145
6/28/24 12:30	29	-1	1262	222166
6/28/24 13:00		-1	1129	222183
6/28/24 13:30		-1	1004	222183
6/28/24 14:00		-1	952	222183
6/28/24 14:30		-1	937	222183
6/28/24 15:00		-1	923	222183
6/28/24 15:30		-1	908	222183
6/28/24 16:00		-1	895	222183
6/28/24 16:30		-1	883	222183
6/28/24 17:00		-1	873	222183
6/28/24 17:30		-1	864	222183
6/28/24 18:00		-1	856	222183
6/28/24 18:30		-1	848	222183
6/28/24 19:00		-1	841	222183
6/28/24 19:30		-1	835	222183
6/28/24 20:00		-1	829	222183
6/28/24 20:30		-1	823	222183
6/28/24 21:00		-1	818	222183
6/28/24 21:30		-1	814	222183
6/28/24 22:00		-1	809	222183
6/28/24 22:30		-1	805	222183
6/28/24 23:00		-1	801	222183
6/28/24 23:30		-1	797	222183
6/29/24 0:00		-1	793	222183
6/29/24 0:30		-1	790	222183
6/29/24 1:00		-1	786	222183
6/29/24 1:30		-1	783	222183
6/29/24 2:00		-1	780	222183



Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
6/29/24 2:30		-1	777	222183
6/29/24 3:00		-1	774	222183
6/29/24 3:30		-1	771	222183
6/29/24 4:00		-1	769	222183
6/29/24 4:30		-1	766	222183
6/29/24 5:00		-1	764	222183
6/29/24 5:30		-1	764	222183
6/29/24 6:00	23	-1	922	222195
6/29/24 6:30	23	-1	975	222212
6/29/24 7:00	24	-1	1001	222229
6/29/24 7:30	21	-1	1021	222247
6/29/24 8:00	23	-1	1036	222264
6/29/24 8:30	23	-1	1049	222281
6/29/24 9:00	22	-1	1059	222319
6/29/24 9:30	23	-1	1068	222336
6/29/24 10:00	23	-1	1068	222353
6/29/24 10:30	23	-1	1080	222370
6/29/24 11:00	23	-1	1085	222387
6/29/24 11:30	23	-1	1090	222404
6/29/24 12:00	22	-1	1093	222421
6/29/24 12:30	22	-1	1099	222438
6/29/24 13:00	22	-1	1103	222455
6/29/24 13:30	23	-1	1107	222471
6/29/24 14:00	24	-1	1107	222489
6/29/24 14:30	24	-1	1124	222507
6/29/24 15:00	23	-1	1129	222524
6/29/24 15:30	24	-1	1132	222542
6/29/24 16:00	24	-1	1135	222559
6/29/24 16:30	24	-1	1139	222577
6/29/24 17:00	24	-1	1141	222595
6/29/24 17:30	24	-1	1144	222612
6/29/24 18:00	23	-1	1146	222629
6/29/24 18:30	24	-1	1149	222646
6/29/24 19:00	24	-1	1149	222664
6/29/24 19:30	23	-1	1149	222681
6/29/24 20:00	24	-1	1156	222718
6/29/24 20:30	24	-1	1158	222736
6/29/24 21:00		-1	956	222737
6/29/24 21:30		-1	906	222737
6/29/24 22:00		-1	876	222737
6/29/24 22:30		-1	855	222737
6/29/24 23:00		-1	838	222737
6/29/24 23:30		-1	826	222737
6/30/24 0:00		-1	815	222737
6/30/24 0:30		-1	806	222737
6/30/24 1:00		-1	797	222737
6/30/24 1:30		-1	790	222737
6/30/24 2:00		-1	784	222737
6/30/24 2:30		-1	778	222737
6/30/24 3:00		-1	772	222737
6/30/24 3:30		-1	767	222737
6/30/24 4:00		-1	763	222737
6/30/24 4:30		-1	758	222737
6/30/24 5:00		-1	754	222737
6/30/24 5:30		-1	750	222737
6/30/24 6:00		-1	747	222737
6/30/24 6:30		-1	744	222737
6/30/24 7:00	25	-1	872	222741
6/30/24 7:30	25	-1	967	222758
6/30/24 8:00	25	-1	1007	222776
6/30/24 8:30	26	-1	1032	222793
6/30/24 9:00	24	-1	1050	222821

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
6/30/24 9:30	25	-1	1064	222839
6/30/24 10:00	24	-1	1076	222856
6/30/24 10:30	25	-1	1088	222874
6/30/24 11:00	24	-1	1098	222891
6/30/24 11:30	25	-1	1105	222909
6/30/24 12:00	24	-1	1112	222926
6/30/24 12:30	24	-1	1116	222943
6/30/24 13:00	25	-1	1121	222961
6/30/24 13:30	24	-1	1125	222978
6/30/24 14:00	24	-1	1130	222995
6/30/24 14:30	24	-1	1134	223013
6/30/24 15:00	25	-1	1138	223030
6/30/24 15:30	25	-1	1141	223047
6/30/24 16:00	24	-1	1145	223065
6/30/24 16:30	24	-1	1148	223093
6/30/24 17:00	24	-1	1152	223111
6/30/24 17:30	25	-1	1155	223128
6/30/24 18:00	25	-1	1158	223146
6/30/24 18:30	25	-1	1160	223163
6/30/24 19:00	25	-1	1160	223181
6/30/24 19:30	25	-1	1165	223198
6/30/24 20:00		-1	1107	223215
6/30/24 20:30		-1	955	223215
6/30/24 21:00		-1	909	223215
6/30/24 21:30		-1	880	223215
6/30/24 22:00		-1	860	223215
6/30/24 22:30		-1	844	223215
6/30/24 23:00		-1	831	223215
6/30/24 23:30		-1	821	223215

## Injection Well Operational Log

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
7/1/24 0:00		-1	811	223215
7/1/24 0:30		-1	803	223215
7/1/24 1:00		-1	796	223215
7/1/24 1:30		-1	790	223215
7/1/24 2:00		-1	784	223215
7/1/24 2:30		-1	779	223215
7/1/24 3:00		-1	774	223215
7/1/24 3:30		-1	769	223215
7/1/24 4:00		-1	765	223215
7/1/24 4:30		-1	761	223215
7/1/24 5:00		-1	757	223215
7/1/24 5:30		-1	754	223215
7/1/24 6:00		-1	751	223215
7/1/24 6:30	26	-1	871	223235
7/1/24 7:00	25	-1	973	223255
7/1/24 7:30	26	-1	1013	223275
7/1/24 8:00	24	-1	1039	223295
7/1/24 8:30	26	-1	1058	223315
7/1/24 9:00	25	-1	1073	223335
7/1/24 9:30	25	-1	1085	223355
7/1/24 10:00	24	-1	1096	223375
7/1/24 10:30	26	-1	1106	223395
7/1/24 11:00	25	-1	1113	223415
7/1/24 11:30	25	-1	1120	223435
7/1/24 12:00	25	-1	1125	223455
7/1/24 12:30	25	-1	1131	223475
7/1/24 13:00	26	-1	1136	223495
7/1/24 13:30	24	-1	1140	223515
7/1/24 14:00	26	-1	1144	223535
7/1/24 14:30	25	-1	1148	223555
7/1/24 15:00	24	-1	1152	223575
7/1/24 15:30	25	-1	1155	223595
7/1/24 16:00	25	-1	1158	223615
7/1/24 16:30	25	-1	1161	223635
7/1/24 17:00	25	-1	1163	223655
7/1/24 17:30	25	-1	1165	223675
7/1/24 18:00	24	-1	1166	223695
7/1/24 18:30	23	-1	1168	223715
7/1/24 19:00	24	-1	1170	223735
7/1/24 19:30	23	-1	1172	223755
7/1/24 20:00	24	-1	1173	223775
7/1/24 20:30	24	-1	1176	223795
7/1/24 21:00	24	-1	1178	223815
7/1/24 21:30	24	-1	1179	223835
7/1/24 22:00	24	-1	1180	223855
7/1/24 22:30	24	-1	1180	223875
7/1/24 23:00	24	-1	1177	223895
7/1/24 23:30	23	-1	1175	223900
7/2/24 0:00	22	-1	1175	223925
7/2/24 0:30	24	-1	1178	223950
7/2/24 1:00	23	-1	1185	223975
7/2/24 1:30		-1	1055	224000
7/2/24 2:00		-1	983	224000
7/2/24 2:30		-1	948	224000
7/2/24 3:00		-1	924	224000
7/2/24 3:30		-1	907	224000
7/2/24 4:00		-1	893	224000
7/2/24 4:30		-1	881	224000
7/2/24 5:00		-1	872	224000
7/2/24 5:30		-1	863	224000
7/2/24 6:00		-1	855	224000

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
7/2/24 6:30		-1	849	224000
7/2/24 7:00		-1	843	224000
7/2/24 7:30		-1	837	224000
7/2/24 8:00		-1	832	224000
7/2/24 8:30		-1	827	224000
7/2/24 9:00		-1	823	224000
7/2/24 9:30		-1	823	224000
7/2/24 10:00		-1	815	224000
7/2/24 10:30	24	-1	950	224017
7/2/24 11:00	23	-1	1017	224034
7/2/24 11:30	25	-1	1049	224051
7/2/24 12:00	25	-1	1070	224068
7/2/24 12:30	23	-1	1083	224085
7/2/24 13:00	23	-1	1093	224102
7/2/24 13:30	23	-1	1102	224119
7/2/24 14:00	25	-1	1117	224136
7/2/24 14:30	22	-1	1123	224153
7/2/24 15:00	23	-1	1129	224170
7/2/24 15:30	25	-1	1138	224187
7/2/24 16:00	25	-1	1144	224204
7/2/24 16:30	24	-1	1148	224221
7/2/24 17:00	24	-1	1151	224238
7/2/24 17:30	24	-1	1153	224255
7/2/24 18:00	24	-1	1156	224272
7/2/24 18:30	23	-1	1159	224289
7/2/24 19:00	23	-1	1162	224306
7/2/24 19:30	24	-1	1159	224323
7/2/24 20:00	23	-1	1159	224340
7/2/24 20:30	23	-1	1165	224357
7/2/24 21:00	23	-1	1167	224374
7/2/24 21:30	23	-1	1170	224384
7/2/24 22:00	24	-1	1173	224394
7/2/24 22:30	25	-1	1176	224404
7/2/24 23:00	23	-1	1179	224414
7/2/24 23:30	25	-1	1188	224417
7/3/24 0:00	25	-1	1192	224429
7/3/24 0:30	24	-1	1192	224441
7/3/24 1:00	24	-1	1193	224461
7/3/24 1:30		-1	1035	224461
7/3/24 2:00		-1	979	224461
7/3/24 2:30		-1	948	224461
7/3/24 3:00		-1	927	224461
7/3/24 3:30		-1	910	224461
7/3/24 4:00		-1	897	224461
7/3/24 4:30		-1	886	224461
7/3/24 5:00		-1	877	224461
7/3/24 5:30		-1	869	224461
7/3/24 6:00		-1	862	224461
7/3/24 6:30		-1	856	224461
7/3/24 7:00		-1	850	224461
7/3/24 7:30		-1	850	224461
7/3/24 8:00		-1	840	224461
7/3/24 8:30		-1	835	224461
7/3/24 9:00		-1	831	224461
7/3/24 9:30		-1	827	224461
7/3/24 10:00		-1	823	224461
7/3/24 10:30		-1	820	224461
7/3/24 11:00		-1	816	224461
7/3/24 11:30		-1	813	224461
7/3/24 12:00		-1	810	224461
7/3/24 12:30		-1	807	224461
7/3/24 13:00		-1	804	224461

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
7/3/24 13:30		-1	802	224461
7/3/24 14:00		-1	799	224461
7/3/24 14:30		-1	797	224461
7/3/24 15:00		-1	794	224461
7/3/24 15:30		-1	792	224461
7/3/24 16:00		-1	790	224461
7/3/24 16:30	23	-1	969	224478
7/3/24 17:00	23	-1	1011	224495
7/3/24 17:30	23	-1	1035	224512
7/3/24 18:00	24	-1	1056	224529
7/3/24 18:30	22	-1	1069	224546
7/3/24 19:00	24	-1	1082	224563
7/3/24 19:30	24	-1	1092	224580
7/3/24 20:00	24	-1	1098	224597
7/3/24 20:30	23	-1	1105	224614
7/3/24 21:00	24	-1	1112	224631
7/3/24 21:30	23	-1	1117	224648
7/3/24 22:00	23	-1	1122	224665
7/3/24 22:30	23	-1	1127	224682
7/3/24 23:00	24	-1	1131	224699
7/3/24 23:30	22	-1	1133	224735
7/4/24 0:00	23	-1	1137	224760
7/4/24 0:30	23	-1	1140	224785
7/4/24 1:00	23	-1	1144	224810
7/4/24 1:30	23	-1	1150	224835
7/4/24 2:00	24	-1	1155	224860
7/4/24 2:30	23	-1	1159	224885
7/4/24 3:00	24	-1	1162	224910
7/4/24 3:30	24	-1	1166	224935
7/4/24 4:00	24	-1	1170	224960
7/4/24 4:30	24	-1	1172	224985
7/4/24 5:00	23	-1	1175	225010
7/4/24 5:30	22	-1	1173	225035
7/4/24 6:00		-1	1003	225060
7/4/24 6:30		-1	957	225060
7/4/24 7:00		-1	929	225060
7/4/24 7:30		-1	929	225060
7/4/24 8:00		-1	896	225060
7/4/24 8:30		-1	884	225060
7/4/24 9:00		-1	874	225060
7/4/24 9:30		-1	866	225060
7/4/24 10:00		-1	858	225060
7/4/24 10:30		-1	852	225060
7/4/24 11:00		-1	846	225060
7/4/24 11:30		-1	840	225060
7/4/24 12:00		-1	836	225060
7/4/24 12:30		-1	831	225060
7/4/24 13:00		-1	827	225060
7/4/24 13:30		-1	823	225060
7/4/24 14:00		-1	819	225060
7/4/24 14:30		-1	816	225060
7/4/24 15:00		-1	813	225060
7/4/24 15:30		-1	810	225060
7/4/24 16:00		-1	807	225060
7/4/24 16:30		-1	804	225060
7/4/24 17:00		-1	802	225060
7/4/24 17:30		-1	799	225060
7/4/24 18:00		-1	797	225060
7/4/24 18:30		-1	794	225060
7/4/24 19:00		-1	792	225060
7/4/24 19:30	24	-1	934	225085
7/4/24 20:00	24	-1	1002	225095

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
7/4/24 20:30	25	-1	1034	225105
7/4/24 21:00	24	-1	1055	225115
7/4/24 21:30	25	-1	1072	225125
7/4/24 22:00	24	-1	1083	225135
7/4/24 22:30	24	-1	1088	225145
7/4/24 23:00	23	-1	1091	225155
7/4/24 23:30	23	-1	1101	225165
7/5/24 0:00	24	-1	1119	225175
7/5/24 0:30	25	-1	1130	225185
7/5/24 1:00	24	-1	1130	225195
7/5/24 1:30	25	-1	1135	225205
7/5/24 2:00	24	-1	1136	225215
7/5/24 2:30	23	-1	1139	225225
7/5/24 3:00	24	-1	1142	225235
7/5/24 3:30	23	-1	1145	225245
7/5/24 4:00	24	-1	1148	225255
7/5/24 4:30	22	-1	1147	225265
7/5/24 5:00	23	-1	1160	225275
7/5/24 5:30	24	-1	1163	225285
7/5/24 6:00	24	-1	1165	225295
7/5/24 6:30	23	-1	1168	225305
7/5/24 7:00	24	-1	1170	225315
7/5/24 7:30	23	-1	1173	225325
7/5/24 8:00		-1	1173	225330
7/5/24 8:30		-1	953	225330
7/5/24 9:00		-1	912	225330
7/5/24 9:30		-1	886	225330
7/5/24 10:00		-1	867	225330
7/5/24 10:30		-1	852	225330
7/5/24 11:00		-1	840	225330
7/5/24 11:30		-1	840	225330
7/5/24 12:00		-1	840	225330
7/5/24 12:30		-1	813	225330
7/5/24 13:00		-1	806	225330
7/5/24 13:30		-1	800	225330
7/5/24 14:00		-1	795	225330
7/5/24 14:30		-1	790	225330
7/5/24 15:00		-1	787	225330
7/5/24 15:30		-1	784	225330
7/5/24 16:00		-1	780	225330
7/5/24 16:30		-1	776	225330
7/5/24 17:00		-1	773	225330
7/5/24 17:30		-1	770	225330
7/5/24 18:00		-1	767	225330
7/5/24 18:30		-1	764	225330
7/5/24 19:00		-1	761	225330
7/5/24 19:30		-1	758	225330
7/5/24 20:00		-1	756	225330
7/5/24 20:30		-1	753	225330
7/5/24 21:00		-1	751	225330
7/5/24 21:30		-1	748	225330
7/5/24 22:00		-1	746	225330
7/5/24 22:30		-1	744	225330
7/5/24 23:00		-1	741	225330
7/5/24 23:30		-1	739	225330
7/6/24 0:00		-1	738	225330
7/6/24 0:30		-1	736	225330
7/6/24 1:00		-1	736	225330
7/6/24 1:30		-1	732	225330
7/6/24 2:00		-1	730	225330
7/6/24 2:30		-1	729	225330
7/6/24 3:00		-1	728	225330

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
7/6/24 3:30		-1	726	225330
7/6/24 4:00		-1	725	225330
7/6/24 4:30		-1	723	225330
7/6/24 5:00		-1	722	225330
7/6/24 5:30	25	-1	916	225350
7/6/24 6:00	25	-1	973	225370
7/6/24 6:30	26	-1	1005	225390
7/6/24 7:00	25	-1	1027	225410
7/6/24 7:30	25	-1	1044	225430
7/6/24 8:00	25	-1	1058	225450
7/6/24 8:30	25	-1	1070	225470
7/6/24 9:00	25	-1	1081	225490
7/6/24 9:30	25	-1	1090	225510
7/6/24 10:00	25	-1	1098	225530
7/6/24 10:30	24	-1	1104	225550
7/6/24 11:00	24	-1	1110	225570
7/6/24 11:30	24	-1	1116	225590
7/6/24 12:00	24	-1	1122	225610
7/6/24 12:30	24	-1	1127	225630
7/6/24 13:00	24	-1	1132	225650
7/6/24 13:30	25	-1	1136	225670
7/6/24 14:00	24	-1	1139	225690
7/6/24 14:30	24	-1	1143	225710
7/6/24 15:00	23	-1	1147	225730
7/6/24 15:30	25	-1	1150	225750
7/6/24 16:00	24	-1	1153	225770
7/6/24 16:30	24	-1	1156	225790
7/6/24 17:00	22	-1	1157	225810
7/6/24 17:30	23	-1	1158	225830
7/6/24 18:00	23	-1	1160	225850
7/6/24 18:30	23	-1	1162	225870
7/6/24 19:00	23	-1	1164	225890
7/6/24 19:30	23	-1	1162	225910
7/6/24 20:00	22	-1	1161	225930
7/6/24 20:30	23	-1	1162	225950
7/6/24 21:00	23	-1	1163	225970
7/6/24 21:30	23	-1	1167	225990
7/6/24 22:00	23	-1	1170	226010
7/6/24 22:30	24	-1	1173	226030
7/6/24 23:00	22	-1	1174	226050
7/6/24 23:30	23	-1	1176	226070
7/7/24 0:00	23	-1	1178	226090
7/7/24 0:30	23	-1	1180	226110
7/7/24 1:00	24	-1	1182	226130
7/7/24 1:30	23	-1	1182	226150
7/7/24 2:00	23	-1	1184	226170
7/7/24 2:30		-1	1028	226170
7/7/24 3:00		-1	952	226170
7/7/24 3:30		-1	914	226170
7/7/24 4:00		-1	888	226170
7/7/24 4:30		-1	869	226170
7/7/24 5:00		-1	854	226170
7/7/24 5:30		-1	842	226170
7/7/24 6:00		-1	832	226170
7/7/24 6:30		-1	823	226170
7/7/24 7:00		-1	815	226170
7/7/24 7:30		-1	808	226170
7/7/24 8:00		-1	801	226170
7/7/24 8:30		-1	796	226170
7/7/24 9:00		-1	790	226170
7/7/24 9:30		-1	786	226170
7/7/24 10:00		-1	805	226170

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
7/7/24 10:30		-1	808	226170
7/7/24 11:00		-1	808	226170
7/7/24 11:30		-1	807	226170
7/7/24 12:00		-1	806	226170
7/7/24 12:30		-1	804	226170
7/7/24 13:00		-1	802	226170
7/7/24 13:30		-1	800	226170
7/7/24 14:00		-1	798	226170
7/7/24 14:30		-1	796	226170
7/7/24 15:00		-1	794	226170
7/7/24 15:30		-1	793	226170
7/7/24 16:00		-1	791	226170
7/7/24 16:30		-1	789	226170
7/7/24 17:00		-1	787	226170
7/7/24 17:30		-1	786	226170
7/7/24 18:00		-1	786	226170
7/7/24 18:30		-1	783	226170
7/7/24 19:00		-1	762	226170
7/7/24 19:30		-1	752	226170
7/7/24 20:00		-1	746	226170
7/7/24 20:30		-1	741	226170
7/7/24 21:00		-1	738	226170
7/7/24 21:30		-1	734	226170
7/7/24 22:00		-1	731	226170
7/7/24 22:30		-1	729	226170
7/7/24 23:00		-1	726	226170
7/7/24 23:30		-1	725	226170
7/8/24 0:00		-1	723	226170
7/8/24 0:30		-1	721	226170
7/8/24 1:00		-1	719	226170
7/8/24 1:30		-1	717	226170
7/8/24 2:00		-1	715	226170
7/8/24 2:30		-1	713	226170
7/8/24 3:00		-1	712	226170
7/8/24 3:30		-1	710	226170
7/8/24 4:00		-1	709	226170
7/8/24 4:30		-1	707	226170
7/8/24 5:00		-1	706	226170
7/8/24 5:30		-1	704	226170
7/8/24 6:00		-1	703	226170
7/8/24 6:30		-1	701	226170
7/8/24 7:00	24	-1	905	226185
7/8/24 7:30	23	-1	954	226200
7/8/24 8:00	24	-1	984	226215
7/8/24 8:30	24	-1	1005	226230
7/8/24 9:00	24	-1	1022	226245
7/8/24 9:30	23	-1	1034	226260
7/8/24 10:00	23	-1	1045	226275
7/8/24 10:30	24	-1	1053	226290
7/8/24 11:00	23	-1	1061	226305
7/8/24 11:30	23	-1	1065	226320
7/8/24 12:00	23	-1	1074	226335
7/8/24 12:30	23	-1	1081	226350
7/8/24 13:00	22	-1	1085	226365
7/8/24 13:30	24	-1	1097	226380
7/8/24 14:00	21	-1	1099	226395
7/8/24 14:30	24	-1	1107	226410
7/8/24 15:00	23	-1	1113	226425
7/8/24 15:30	23	-1	1117	226440
7/8/24 16:00	24	-1	1119	226455
7/8/24 16:30	22	-1	1120	226470
7/8/24 17:00	23	-1	1123	226485



Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
7/8/24 17:30	22	-1	1123	226500
7/8/24 18:00	22	-1	1131	226515
7/8/24 18:30	23	-1	1135	226530
7/8/24 19:00	23	-1	1140	226545
7/8/24 19:30	24	-1	1144	226560
7/8/24 20:00	23	-1	1148	226575
7/8/24 20:30	22	-1	1147	226590
7/8/24 21:00	21	-1	1142	226605
7/8/24 21:30	22	-1	1143	226620
7/8/24 22:00	23	-1	1145	226635
7/8/24 22:30	23	-1	1148	226650
7/8/24 23:00	23	-1	1149	226665
7/8/24 23:30	23	-1	1152	226680
7/9/24 0:00	22	-1	1156	226695
7/9/24 0:30	22	-1	1160	226710
7/9/24 1:00	23	-1	1162	226725
7/9/24 1:30	22	-1	1165	226740
7/9/24 2:00	23	-1	1168	226755
7/9/24 2:30	23	-1	1170	226770
7/9/24 3:00	23	-1	1172	226785
7/9/24 3:30	23	-1	1175	226800
7/9/24 4:00	24	-1	1176	226815
7/9/24 4:30	22	-1	1177	226830
7/9/24 5:00	22	-1	1178	226845
7/9/24 5:30	22	-1	1180	226860
7/9/24 6:00	24	-1	1182	226875
7/9/24 6:30	23	-1	1184	226890
7/9/24 7:00	23	-1	1186	226905
7/9/24 7:30	23	-1	1187	226920
7/9/24 8:00	22	-1	1188	226935
7/9/24 8:30	24	-1	1189	226950
7/9/24 9:00	24	-1	1191	226965
7/9/24 9:30	23	-1	1193	226980
7/9/24 10:00	23	-1	1194	226995
7/9/24 10:30	23	-1	1195	227010
7/9/24 11:00	22	-1	1197	227025
7/9/24 11:30	24	-1	1197	227040
7/9/24 12:00	24	-1	1198	227055
7/9/24 12:30	23	-1	1199	227070
7/9/24 13:00	23	-1	1200	227085
7/9/24 13:30	23	-1	1201	227100
7/9/24 14:00	23	-1	1202	227115
7/9/24 14:30	24	-1	1203	227130
7/9/24 15:00	23	-1	1204	227145
7/9/24 15:30	23	-1	1205	227160
7/9/24 16:00	23	-1	1205	227175
7/9/24 16:30	21	-1	1206	227190
7/9/24 17:00	23	-1	1207	227205
7/9/24 17:30	22	-1	1208	227220
7/9/24 18:00	24	-1	1208	227235
7/9/24 18:30	23	-1	1209	227250
7/9/24 19:00	23	-1	1211	227265
7/9/24 19:30	23	-1	1210	227280
7/9/24 20:00	22	-1	1211	227295
7/9/24 20:30	24	-1	1211	227310
7/9/24 21:00	22	-1	1208	227325
7/9/24 21:30	22	-1	1208	227340
7/9/24 22:00	23	-1	1213	227355
7/9/24 22:30	23	-1	1216	227370
7/9/24 23:00	23	-1	1218	227385
7/9/24 23:30	22	-1	1219	227400
7/10/24 0:00	23	-1	1221	227415

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
7/10/24 0:30	22	-1	1222	227430
7/10/24 1:00	22	-1	1223	227445
7/10/24 1:30	23	-1	1225	227460
7/10/24 2:00	23	-1	1226	227475
7/10/24 2:30	24	-1	1226	227490
7/10/24 3:00	23	-1	1227	227505
7/10/24 3:30	23	-1	1226	227520
7/10/24 4:00	22	-1	1226	227535
7/10/24 4:30	23	-1	1226	227550
7/10/24 5:00	23	-1	1227	227565
7/10/24 5:30	23	-1	1228	227580
7/10/24 6:00	24	-1	1229	227595
7/10/24 6:30	23	-1	1230	227610
7/10/24 7:00	24	-1	1231	227625
7/10/24 7:30	22	-1	1232	227640
7/10/24 8:00	23	-1	1233	227655
7/10/24 8:30	23	-1	1234	227670
7/10/24 9:00	23	-1	1235	227685
7/10/24 9:30	23	-1	1236	227700
7/10/24 10:00	23	-1	1234	227715
7/10/24 10:30	22	-1	1234	227730
7/10/24 11:00	23	-1	1235	227745
7/10/24 11:30	23	-1	1237	227760
7/10/24 12:00	23.0	-1	1237	227775
7/10/24 12:30	22	-1	1238	227790
7/10/24 13:00	23	-1	1237	227805
7/10/24 13:30	22	-1	1236	227820
7/10/24 14:00	23	-1	1241	227835
7/10/24 14:30	24	-1	1241	227850
7/10/24 15:00	24	-1	1244	227865
7/10/24 15:30	23	-1	1243	227880
7/10/24 16:00	24	-1	1242	227895
7/10/24 16:30	22	-1	1242	227910
7/10/24 17:00	23	-1	1243	227925
7/10/24 17:30	23	-1	1243	227940
7/10/24 18:00	22	-1	1244	227955
7/10/24 18:30	23	-1	1244	227970
7/10/24 19:00	23	-1	1244	227985
7/10/24 19:30	23	-1	1244	228000
7/10/24 20:00	23	-1	1243	228015
7/10/24 20:30	23	-1	1243	228030
7/10/24 21:00	22	-1	1244	228045
7/10/24 21:30	23	-1	1245	228060
7/10/24 22:00	23	-1	1245	228075
7/10/24 22:30	23	-1	1245	228092
7/10/24 23:00	22	-1	1247	228122
7/10/24 23:30	22	-1	1247	228185
7/11/24 0:00	22	-1	1248	228198
7/11/24 0:30	22	-1	1248	228211
7/11/24 1:00	23	-1	1249	228224
7/11/24 1:30	22	-1	1249	228237
7/11/24 2:00	23	-1	1250	228250
7/11/24 2:30	23	-1	1250	228263
7/11/24 3:00	23	-1	1251	228276
7/11/24 3:30	21	-1	1251	228289
7/11/24 4:00	22	-1	1247	228302
7/11/24 4:30	22	-1	1247	228315
7/11/24 5:00	22	-1	1247	228328
7/11/24 5:30	23	-1	1247	228341
7/11/24 6:00	22	-1	1246	228354
7/11/24 6:30	22	-1	1245	228367
7/11/24 7:00	22	-1	1245	228380

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
7/11/24 7:30	23	-1	1248	228393
7/11/24 8:00	22	-1	1248	228406
7/11/24 8:30	21	-1	1248	228419
7/11/24 9:00	22	-1	1249	228432
7/11/24 9:30	22	-1	1249	228445
7/11/24 10:00	23	-1	1251	228458
7/11/24 10:30	21	-1	1249	228471
7/11/24 11:00	23	-1	1250	228484
7/11/24 11:30	22	-1	1251	228497
7/11/24 12:00	23	-1	1252	228510
7/11/24 12:30	23	-1	1253	228523
7/11/24 13:00	22	-1	1254	228536
7/11/24 13:30	23	-1	1254	228549
7/11/24 14:00	21	-1	1255	228562
7/11/24 14:30	22	-1	1255	228575
7/11/24 15:00	22	-1	1249	228588
7/11/24 15:30	20	-1	1249	228601
7/11/24 16:00	21	-1	1249	228614
7/11/24 16:30	22	-1	1248	228627
7/11/24 17:00	22	-1	1247	228640
7/11/24 17:30	21	-1	1247	228653
7/11/24 18:00	21	-1	1244	228666
7/11/24 18:30	21	-1	1245	228679
7/11/24 19:00	22	-1	1246	228692
7/11/24 19:30	22	-1	1249	228705
7/11/24 20:00	22	-1	1250	228718
7/11/24 20:30	23	-1	1254	228731
7/11/24 21:00	21	-1	1255	228744
7/11/24 21:30	22	-1	1255	228757
7/11/24 22:00	21	-1	1251	228770
7/11/24 22:30	22	-1	1251	228783
7/11/24 23:00	22	-1	1252	228796
7/11/24 23:30	21	-1	1254	228809
7/12/24 0:00	21	-1	1255	228822
7/12/24 0:30	22	-1	1256	228835
7/12/24 1:00	22	-1	1257	228848
7/12/24 1:30	22	-1	1257	228861
7/12/24 2:00	22	-1	1258	228874
7/12/24 2:30	22	-1	1259	228887
7/12/24 3:00	23	-1	1260	228900
7/12/24 3:30	22	-1	1260	228913
7/12/24 4:00	22	-1	1261	228926
7/12/24 4:30	22	-1	1261	228939
7/12/24 5:00	22	-1	1263	228952
7/12/24 5:30	22	-1	1263	228965
7/12/24 6:00	22	-1	1265	228978
7/12/24 6:30	21	-1	1265	228991
7/12/24 7:00	22	-1	1265	229004
7/12/24 7:30	22	-1	1266	229017
7/12/24 8:00	22	-1	1267	229030
7/12/24 8:30	22	-1	1267	229043
7/12/24 9:00	21	-1	1268	229056
7/12/24 9:30	22	-1	1268	229069
7/12/24 10:00	23	-1	1268	229082
7/12/24 10:30	23	-1	1268	229095
7/12/24 11:00	23	-1	1269	229108
7/12/24 11:30	22	-1	1269	229121
7/12/24 12:00	23	-1	1270	229134
7/12/24 12:30	22	-1	1271	229147
7/12/24 13:00	22	-1	1271	229160
7/12/24 13:30	23	-1	1271	229173
7/12/24 14:00	22	-1	1271	229186

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
7/12/24 14:30	21	-1	1272	229199
7/12/24 15:00	22	-1	1273	229212
7/12/24 15:30		-1	1102	229212
7/12/24 16:00		-1	1070	229212
7/12/24 16:30		-1	1047	229212
7/12/24 17:00		-1	1030	229212
7/12/24 17:30		-1	1016	229212
7/12/24 18:00		-1	1005	229212
7/12/24 18:30	25	-1	1148	229224
7/12/24 19:00	25	-1	1195	229236
7/12/24 19:30	23	-1	1213	229248
7/12/24 20:00	23	-1	1226	229260
7/12/24 20:30	23	-1	1235	229272
7/12/24 21:00	23	-1	1241	229284
7/12/24 21:30	21	-1	1245	229296
7/12/24 22:00	23	-1	1249	229308
7/12/24 22:30	23	-1	1252	229320
7/12/24 23:00	23	-1	1254	229332
7/12/24 23:30	23	-1	1257	229344
7/13/24 0:00	23	-1	1259	229356
7/13/24 0:30	22	-1	1261	229368
7/13/24 1:00	23	-1	1260	229380
7/13/24 1:30	22	-1	1260	229392
7/13/24 2:00	21	-1	1262	229404
7/13/24 2:30	23	-1	1263	229416
7/13/24 3:00	22	-1	1264	229428
7/13/24 3:30	22	-1	1265	229440
7/13/24 4:00	22	-1	1265	229452
7/13/24 4:30	22	-1	1266	229464
7/13/24 5:00	22	-1	1268	229476
7/13/24 5:30	22	-1	1269	229488
7/13/24 6:00	22	-1	1270	229500
7/13/24 6:30	23	-1	1272	229512
7/13/24 7:00	22	-1	1272	229524
7/13/24 7:30	22	-1	1273	229536
7/13/24 8:00	22	-1	1273	229548
7/13/24 8:30	23	-1	1274	229560
7/13/24 9:00	22	-1	1274	229572
7/13/24 9:30	22	-1	1274	229584
7/13/24 10:00	22	-1	1271	229596
7/13/24 10:30	21	-1	1270	229608
7/13/24 11:00	22	-1	1270	229620
7/13/24 11:30	22	-1	1272	229632
7/13/24 12:00	23	-1	1275	229644
7/13/24 12:30	23	-1	1275	229656
7/13/24 13:00	22	-1	1277	229668
7/13/24 13:30	20	-1	1274	229680
7/13/24 14:00	21	-1	1275	229692
7/13/24 14:30	21	-1	1275	229704
7/13/24 15:00	22	-1	1277	229716
7/13/24 15:30	22	-1	1277	229728
7/13/24 16:00	20	-1	1275	229740
7/13/24 16:30	21	-1	1273	229752
7/13/24 17:00	22	-1	1274	229764
7/13/24 17:30	22	-1	1275	229776
7/13/24 18:00	21	-1	1276	229788
7/13/24 18:30	22	-1	1277	229800
7/13/24 19:00	22	-1	1279	229812
7/13/24 19:30	23	-1	1280	229824
7/13/24 20:00	22	-1	1282	229836
7/13/24 20:30	22	-1	1282	229848
7/13/24 21:00	22	-1	1283	229860

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
7/13/24 21:30	21	-1	1283	229872
7/13/24 22:00	22	-1	1284	229884
7/13/24 22:30	23	-1	1284	229896
7/13/24 23:00	22	-1	1284	229908
7/13/24 23:30	21	-1	1284	229920
7/14/24 0:00	21	-1	1284	229932
7/14/24 0:30	21	-1	1284	229944
7/14/24 1:00	22	-1	1286	229956
7/14/24 1:30	21	-1	1286	229968
7/14/24 2:00	22	-1	1287	229980
7/14/24 2:30	23	-1	1288	229992
7/14/24 3:00	21	-1	1288	230004
7/14/24 3:30	21	-1	1288	230016
7/14/24 4:00	20	-1	1287	230028
7/14/24 4:30	21	-1	1286	230040
7/14/24 5:00	23	-1	1287	230052
7/14/24 5:30	22	-1	1287	230064
7/14/24 6:00	22	-1	1287	230076
7/14/24 6:30	21	-1	1288	230088
7/14/24 7:00	21	-1	1288	230100
7/14/24 7:30	21	-1	1288	230112
7/14/24 8:00	23	-1	1289	230124
7/14/24 8:30	22	-1	1290	230136
7/14/24 9:00	22	-1	1290	230148
7/14/24 9:30	22	-1	1291	230160
7/14/24 10:00	22	-1	1291	230172
7/14/24 10:30	21	-1	1291	230184
7/14/24 11:00	22	-1	1291	230196
7/14/24 11:30	21	-1	1291	230208
7/14/24 12:00	22	-1	1292	230220
7/14/24 12:30	22	-1	1292	230232
7/14/24 13:00	23	-1	1292	230244
7/14/24 13:30	22	-1	1293	230256
7/14/24 14:00	22	-1	1293	230268
7/14/24 14:30	22	-1	1293	230280
7/14/24 15:00	22	-1	1294	230292
7/14/24 15:30	22	-1	1294	230304
7/14/24 16:00	22	-1	1294	230316
7/14/24 16:30	23	-1	1298	230328
7/14/24 17:00	22	-1	1299	230340
7/14/24 17:30	21	-1	1300	230352
7/14/24 18:00	23	-1	1301	230364
7/14/24 18:30	22	-1	1301	230376
7/14/24 19:00	22	-1	1302	230388
7/14/24 19:30	22	-1	1303	230396
7/14/24 20:00	24	-1	1305	230404
7/14/24 20:30	22	-1	1307	230412
7/14/24 21:00	23	-1	1308	230420
7/14/24 21:30	22	-1	1309	230428
7/14/24 22:00	23	-1	1309	230436
7/14/24 22:30	22	-1	1310	230444
7/14/24 23:00	23	-1	1310	230452
7/14/24 23:30	22	-1	1311	230460
7/15/24 0:00	23	-1	1313	230486
7/15/24 0:30	23	-1	1315	230512
7/15/24 1:00	23	-1	1316	230538
7/15/24 1:30	23	-1	1317	230564
7/15/24 2:00	23	-1	1320	230590
7/15/24 2:30	24	-1	1320	230616
7/15/24 3:00	24	-1	1320	230642
7/15/24 3:30	24	-1	1321	230668
7/15/24 4:00	22	-1	1322	230694

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
7/15/24 4:30	23	-1	1323	230720
7/15/24 5:00	23	-1	1323	230746
7/15/24 5:30	23	-1	1323	230772
7/15/24 6:00	23	-1	1323	230798
7/15/24 6:30	23	-1	1324	230824
7/15/24 7:00	23	-1	1325	230850
7/15/24 7:30	23	-1	1325	230876
7/15/24 8:00	23	-1	1326	230902
7/15/24 8:30	23	-1	1326	230928
7/15/24 9:00	23	-1	1327	230954
7/15/24 9:30	23	-1	1328	230980
7/15/24 10:00	24	-1	1328	231006
7/15/24 10:30	24	-1	1329	231032
7/15/24 11:00	23	-1	1329	231058
7/15/24 11:30	23	-1	1329	231084
7/15/24 12:00	24	-1	1329	231110
7/15/24 12:30	23	-1	1329	231136
7/15/24 13:00	23	-1	1329	231162
7/15/24 13:30	22	-1	1330	231188
7/15/24 14:00	24	-1	1330	231214
7/15/24 14:30	23	-1	1331	231240
7/15/24 15:00	24	-1	1330	231266
7/15/24 15:30	23	-1	1330	231292
7/15/24 16:00	23	-1	1330	231318
7/15/24 16:30	23	-1	1330	231344
7/15/24 17:00	23	-1	1330	231370
7/15/24 17:30	22	-1	1330	231396
7/15/24 18:00	23	-1	1330	231422
7/15/24 18:30	23	-1	1330	231448
7/15/24 19:00	22	-1	1330	231474
7/15/24 19:30	22	-1	1331	231500
7/15/24 20:00	23	-1	1330	231526
7/15/24 20:30	23	-1	1327	231552
7/15/24 21:00	23	-1	1325	231578
7/15/24 21:30	22	-1	1326	231604
7/15/24 22:00	22	-1	1326	231630
7/15/24 22:30	22	-1	1326	231656
7/15/24 23:00	22	-1	1326	231682
7/15/24 23:30	22	-1	1326	231708
7/16/24 0:00	22	-1	1327	231734
7/16/24 0:30	22	-1	1327	231760
7/16/24 1:00	21	-1	1328	231786
7/16/24 1:30	21	-1	1328	231812
7/16/24 2:00	22	-1	1328	231838
7/16/24 2:30	22	-1	1329	231864
7/16/24 3:00	23	-1	1330	231890
7/16/24 3:30	22	-1	1330	231916
7/16/24 4:00	23	-1	1330	231942
7/16/24 4:30	23	-1	1331	231968
7/16/24 5:00	22	-1	1331	231994
7/16/24 5:30	22	-1	1331	232020
7/16/24 6:00	22	-1	1332	232046
7/16/24 6:30	23	-1	1332	232072
7/16/24 7:00	22	-1	1333	232098
7/16/24 7:30	21	-1	1332	232124
7/16/24 8:00	22	-1	1332	232150
7/16/24 8:30	23	-1	1332	232176
7/16/24 9:00		-1	1164	232176
7/16/24 9:30		-1	1132	232176
7/16/24 10:00		-1	1110	232176
7/16/24 10:30		-1	1094	232176
7/16/24 11:00		-1	1080	232176

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
7/16/24 11:30		-1	1069	232176
7/16/24 12:00		-1	1059	232176
7/16/24 12:30		-1	1050	232176
7/16/24 13:00		-1	1043	232176
7/16/24 13:30		-1	1036	232176
7/16/24 14:00		-1	1029	232176
7/16/24 14:30		-1	1023	232176
7/16/24 15:00		-1	1018	232176
7/16/24 15:30		-1	1013	232176
7/16/24 16:00		-1	1008	232176
7/16/24 16:30		-1	1004	232176
7/16/24 17:00		-1	1000	232176
7/16/24 17:30		-1	996	232176
7/16/24 18:00		-1	992	232176
7/16/24 18:30		-1	988	232176
7/16/24 19:00		-1	984	232176
7/16/24 19:30		-1	981	232176
7/16/24 20:00		-1	978	232176
7/16/24 20:30		-1	975	232176
7/16/24 21:00		-1	972	232176
7/16/24 21:30		-1	969	232176
7/16/24 22:00		-1	969	232176
7/16/24 22:30		-1	963	232176
7/16/24 23:00		-1	961	232176
7/16/24 23:30		-1	959	232176
7/17/24 0:00		-1	956	232176
7/17/24 0:30		-1	954	232176
7/17/24 1:00		-1	951	232176
7/17/24 1:30		-1	949	232176
7/17/24 2:00		-1	947	232176
7/17/24 2:30		-1	945	232176
7/17/24 3:00		-1	943	232176
7/17/24 3:30		-1	941	232176
7/17/24 4:00		-1	938	232176
7/17/24 4:30		-1	936	232176
7/17/24 5:00		-1	935	232176
7/17/24 5:30		-1	933	232176
7/17/24 6:00		-1	931	232176
7/17/24 6:30		-1	929	232176
7/17/24 7:00		-1	927	232176
7/17/24 7:30		-1	926	232176
7/17/24 8:00		-1	924	232176
7/17/24 8:30		-1	922	232176
7/17/24 9:00		-1	921	232176
7/17/24 9:30		-1	919	232176
7/17/24 10:00		-1	918	232176
7/17/24 10:30		-1	916	232176
7/17/24 11:00		-1	914	232176
7/17/24 11:30		-1	913	232176
7/17/24 12:00		-1	911	232176
7/17/24 12:30	21	-1	911	232191
7/17/24 13:00	21	-1	1094	232206
7/17/24 13:30	21	-1	1124	232221
7/17/24 14:00	22	-1	1146	232236
7/17/24 14:30	23	-1	1163	232251
7/17/24 15:00	23	-1	1173	232266
7/17/24 15:30	22	-1	1184	232281
7/17/24 16:00	22	-1	1191	232296
7/17/24 16:30	23	-1	1198	232311
7/17/24 17:00	22	-1	1204	232326
7/17/24 17:30	23	-1	1211	232341
7/17/24 18:00	23	-1	1220	232356

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
7/17/24 18:30	23	-1	1222	232371
7/17/24 19:00	21	-1	1222	232386
7/17/24 19:30	21	-1	1223	232401
7/17/24 20:00	21	-1	1226	232416
7/17/24 20:30	22	-1	1229	232431
7/17/24 21:00	21	-1	1234	232446
7/17/24 21:30	22	-1	1237	232461
7/17/24 22:00	22	-1	1239	232476
7/17/24 22:30	21	-1	1242	232491
7/17/24 23:00	22	-1	1244	232506
7/17/24 23:30	22	-1	1246	232521
7/18/24 0:00	22	-1	1245	232536
7/18/24 0:30	21	-1	1245	232551
7/18/24 1:00	21	-1	1246	232566
7/18/24 1:30	22	-1	1249	232581
7/18/24 2:00	22	-1	1251	232596
7/18/24 2:30	21	-1	1253	232611
7/18/24 3:00	21	-1	1253	232626
7/18/24 3:30	21	-1	1252	232641
7/18/24 4:00	22	-1	1254	232656
7/18/24 4:30	20	-1	1257	232671
7/18/24 5:00	21	-1	1260	232686
7/18/24 5:30	21	-1	1261	232701
7/18/24 6:00	21	-1	1263	232716
7/18/24 6:30	21	-1	1266	232731
7/18/24 7:00	22	-1	1268	232746
7/18/24 7:30	23	-1	1275	232761
7/18/24 8:00	21	-1	1278	232776
7/18/24 8:30	22	-1	1276	232791
7/18/24 9:00	22	-1	1277	232806
7/18/24 9:30	22	-1	1279	232821
7/18/24 10:00	20	-1	1277	232836
7/18/24 10:30	21	-1	1276	232851
7/18/24 11:00	22	-1	1280	232866
7/18/24 11:30	22	-1	1283	232881
7/18/24 12:00	23	-1	1285	232896
7/18/24 12:30	23	-1	1287	232911
7/18/24 13:00	22	-1	1288	232926
7/18/24 13:30	21	-1	1290	232941
7/18/24 14:00	22	-1	1291	232956
7/18/24 14:30	22	-1	1290	232971
7/18/24 15:00	21	-1	1289	232986
7/18/24 15:30	22	-1	1289	233001
7/18/24 16:00	22	-1	1290	233016
7/18/24 16:30	20	-1	1289	233031
7/18/24 17:00	20	-1	1283	233046
7/18/24 17:30	20	-1	1282	233061
7/18/24 18:00	21	-1	1283	233076
7/18/24 18:30	20	-1	1283	233091
7/18/24 19:00	21	-1	1283	233106
7/18/24 19:30	21	-1	1284	233121
7/18/24 20:00	21	-1	1287	233136
7/18/24 20:30	21	-1	1288	233151
7/18/24 21:00	21	-1	1288	233166
7/18/24 21:30	21	-1	1289	233181
7/18/24 22:00	21	-1	1290	233196
7/18/24 22:30	21	-1	1292	233211
7/18/24 23:00	21	-1	1293	233226
7/18/24 23:30	22	-1	1293	233241
7/19/24 0:00	21	-1	1294	233256
7/19/24 0:30	21	-1	1295	233271
7/19/24 1:00	21	-1	1295	233286



Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
7/19/24 1:30	21	-1	1295	233301
7/19/24 2:00	21	-1	1295	233316
7/19/24 2:30	21	-1	1295	233331
7/19/24 3:00	21	-1	1295	233346
7/19/24 3:30	21	-1	1295	233361
7/19/24 4:00	21	-1	1295	233376
7/19/24 4:30	21	-1	1295	233391
7/19/24 5:00	21	-1	1295	233406
7/19/24 5:30	21	-1	1295	233421
7/19/24 6:00	21	-1	1295	233436
7/19/24 6:30	21	-1	1295	233451
7/19/24 7:00	21	-1	1295	233457
7/19/24 7:30	21	-1	1295	233463
7/19/24 8:00	21	-1	1295	233469
7/19/24 8:30	21	-1	1295	233475
7/19/24 9:00	21	-1	1295	233481
7/19/24 9:30	21	-1	1295	233487
7/19/24 10:00	21	-1	1295	233493
7/19/24 10:30	21	-1	1295	233499
7/19/24 11:00	21	-1	1295	233540
7/19/24 11:30		-1	961	233540
7/19/24 12:00		-1	958	233540
7/19/24 12:30		-1	956	233540
7/19/24 13:00		-1	953	233540
7/19/24 13:30		-1	950	233540
7/19/24 14:00		-1	947	233540
7/19/24 14:30		-1	945	233540
7/19/24 15:00		-1	943	233540
7/19/24 15:30		-1	940	233540
7/19/24 16:00		-1	938	233540
7/19/24 16:30		-1	936	233540
7/19/24 17:00		-1	934	233540
7/19/24 17:30		-1	932	233540
7/19/24 18:00		-1	930	233540
7/19/24 18:30		-1	928	233540
7/19/24 19:00		-1	926	233540
7/19/24 19:30		-1	924	233540
7/19/24 20:00		-1	922	233540
7/19/24 20:30		-1	920	233540
7/19/24 21:00		-1	919	233540
7/19/24 21:30		-1	917	233540
7/19/24 22:00		-1	915	233540
7/19/24 22:30		-1	914	233540
7/19/24 23:00		-1	912	233540
7/19/24 23:30		-1	911	233540
7/20/24 0:00		-1	909	233540
7/20/24 0:30		-1	908	233540
7/20/24 1:00		-1	906	233540
7/20/24 1:30		-1	905	233540
7/20/24 2:00		-1	903	233540
7/20/24 2:30		-1	902	233540
7/20/24 3:00		-1	901	233540
7/20/24 3:30		-1	899	233540
7/20/24 4:00		-1	898	233540
7/20/24 4:30		-1	897	233540
7/20/24 5:00		-1	895	233540
7/20/24 5:30		-1	894	233540
7/20/24 6:00		-1	893	233540
7/20/24 6:30		-1	892	233540
7/20/24 7:00		-1	891	233540
7/20/24 7:30		-1	889	233540
7/20/24 8:00		-1	888	233540

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
7/20/24 8:30		-1	887	233540
7/20/24 9:00		-1	886	233540
7/20/24 9:30		-1	885	233540
7/20/24 10:00		-1	884	233540
7/20/24 10:30		-1	883	233540
7/20/24 11:00		-1	882	233540
7/20/24 11:30		-1	881	233540
7/20/24 12:00		-1	880	233540
7/20/24 12:30		-1	879	233540
7/20/24 13:00		-1	878	233540
7/20/24 13:30		-1	877	233540
7/20/24 14:00		-1	875	233540
7/20/24 14:30		-1	874	233540
7/20/24 15:00		-1	873	233540
7/20/24 15:30		-1	872	233540
7/20/24 16:00		-1	872	233540
7/20/24 16:30		-1	871	233540
7/20/24 17:00		-1	870	233540
7/20/24 17:30		-1	868	233540
7/20/24 18:00		-1	867	233540
7/20/24 18:30		-1	867	233540
7/20/24 19:00		-1	866	233540
7/20/24 19:30		-1	865	233540
7/20/24 20:00		-1	864	233540
7/20/24 20:30		-1	863	233540
7/20/24 21:00		-1	862	233540
7/20/24 21:30		-1	861	233540
7/20/24 22:00		-1	861	233540
7/20/24 22:30		-1	860	233540
7/20/24 23:00		-1	859	233540
7/20/24 23:30		-1	858	233540
7/21/24 0:00		-1	858	233540
7/21/24 0:30		-1	857	233540
7/21/24 1:00		-1	856	233540
7/21/24 1:30		-1	855	233540
7/21/24 2:00		-1	854	233540
7/21/24 2:30		-1	854	233540
7/21/24 3:00		-1	853	233540
7/21/24 3:30		-1	852	233540
7/21/24 4:00		-1	852	233540
7/21/24 4:30		-1	851	233540
7/21/24 5:00		-1	850	233540
7/21/24 5:30		-1	849	233540
7/21/24 6:00		-1	848	233540
7/21/24 6:30		-1	848	233540
7/21/24 7:00		-1	847	233540
7/21/24 7:30		-1	846	233540
7/21/24 8:00		-1	846	233540
7/21/24 8:30		-1	845	233540
7/21/24 9:00		-1	844	233540
7/21/24 9:30		-1	844	233540
7/21/24 10:00		-1	843	233540
7/21/24 10:30		-1	842	233540
7/21/24 11:00		-1	842	233540
7/21/24 11:30		-1	841	233540
7/21/24 12:00		-1	841	233540
7/21/24 12:30		-1	840	233540
7/21/24 13:00		-1	839	233540
7/21/24 13:30		-1	838	233540
7/21/24 14:00		-1	838	233540
7/21/24 14:30		-1	837	233540
7/21/24 15:00		-1	836	233540

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
7/21/24 15:30		-1	836	233540
7/21/24 16:00		-1	835	233540
7/21/24 16:30		-1	834	233540
7/21/24 17:00		-1	833	233540
7/21/24 17:30		-1	833	233540
7/21/24 18:00		-1	832	233540
7/21/24 18:30		-1	832	233540
7/21/24 19:00		-1	831	233540
7/21/24 19:30		-1	831	233540
7/21/24 20:00		-1	830	233540
7/21/24 20:30		-1	829	233540
7/21/24 21:00		-1	829	233540
7/21/24 21:30		-1	828	233540
7/21/24 22:00		-1	827	233540
7/21/24 22:30		-1	827	233540
7/21/24 23:00		-1	826	233540
7/21/24 23:30		-1	826	233540
7/22/24 0:00		-1	825	233540
7/22/24 0:30		-1	825	233540
7/22/24 1:00		-1	824	233540
7/22/24 1:30		-1	823	233540
7/22/24 2:00		-1	823	233540
7/22/24 2:30		-1	822	233540
7/22/24 3:00		-1	822	233540
7/22/24 3:30		-1	821	233540
7/22/24 4:00		-1	821	233540
7/22/24 4:30		-1	820	233540
7/22/24 5:00		-1	820	233540
7/22/24 5:30		-1	819	233540
7/22/24 6:00		-1	819	233540
7/22/24 6:30		-1	818	233540
7/22/24 7:00		-1	818	233540
7/22/24 7:30		-1	817	233540
7/22/24 8:00		-1	816	233540
7/22/24 8:30		-1	816	233540
7/22/24 9:00		-1	816	233540
7/22/24 9:30		-1	815	233540
7/22/24 10:00		-1	815	233540
7/22/24 10:30		-1	814	233540
7/22/24 11:00		-1	814	233540
7/22/24 11:30		-1	813	233540
7/22/24 12:00		-1	812	233540
7/22/24 12:30		-1	812	233540
7/22/24 13:00		-1	811	233540
7/22/24 13:30		-1	811	233540
7/22/24 14:00		-1	810	233540
7/22/24 14:30		-1	810	233540
7/22/24 15:00		-1	809	233540
7/22/24 15:30		-1	809	233540
7/22/24 16:00		-1	808	233540
7/22/24 16:30		-1	808	233540
7/22/24 17:00		-1	807	233540
7/22/24 17:30		-1	807	233540
7/22/24 18:00		-1	806	233540
7/22/24 18:30		-1	806	233540
7/22/24 19:00		-1	805	233540
7/22/24 19:30		-1	805	233540
7/22/24 20:00		-1	804	233540
7/22/24 20:30		-1	803	233540
7/22/24 21:00		-1	803	233540
7/22/24 21:30		-1	803	233540
7/22/24 22:00		-1	802	233540

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
7/22/24 22:30		-1	802	233540
7/22/24 23:00		-1	802	233540
7/22/24 23:30		-1	801	233540
7/23/24 0:00		-1	801	233540
7/23/24 0:30		-1	801	233540
7/23/24 1:00		-1	800	233540
7/23/24 1:30		-1	800	233540
7/23/24 2:00		-1	799	233540
7/23/24 2:30		-1	799	233540
7/23/24 3:00		-1	798	233540
7/23/24 3:30		-1	798	233540
7/23/24 4:00		-1	797	233540
7/23/24 4:30		-1	797	233540
7/23/24 5:00		-1	797	233540
7/23/24 5:30		-1	796	233540
7/23/24 6:00		-1	796	233540
7/23/24 6:30		-1	795	233540
7/23/24 7:00		-1	795	233540
7/23/24 7:30		-1	794	233540
7/23/24 8:00		-1	794	233540
7/23/24 8:30		-1	794	233540
7/23/24 9:00		-1	793	233540
7/23/24 9:30		-1	793	233540
7/23/24 10:00		-1	793	233540
7/23/24 10:30		-1	792	233540
7/23/24 11:00		-1	792	233540
7/23/24 11:30		-1	791	233540
7/23/24 12:00		-1	791	233540
7/23/24 12:30		-1	790	233540
7/23/24 13:00		-1	790	233540
7/23/24 13:30		-1	789	233540
7/23/24 14:00		-1	789	233540
7/23/24 14:30		-1	789	233540
7/23/24 15:00		-1	788	233540
7/23/24 15:30		-1	788	233540
7/23/24 16:00		-1	787	233540
7/23/24 16:30		-1	787	233540
7/23/24 17:00		-1	787	233540
7/23/24 17:30		-1	786	233540
7/23/24 18:00		-1	786	233540
7/23/24 18:30		-1	785	233540
7/23/24 19:00		-1	785	233540
7/23/24 19:30		-1	784	233540
7/23/24 20:00		-1	784	233540
7/23/24 20:30		-1	784	233540
7/23/24 21:00		-1	783	233540
7/23/24 21:30		-1	783	233540
7/23/24 22:00		-1	782	233540
7/23/24 22:30		-1	782	233540
7/23/24 23:00		-1	782	233540
7/23/24 23:30		-1	781	233540
7/24/24 0:00		-1	781	233540
7/24/24 0:30		-1	781	233540
7/24/24 1:00		-1	780	233540
7/24/24 1:30		-1	780	233540
7/24/24 2:00		-1	780	233540
7/24/24 2:30		-1	779	233540
7/24/24 3:00		-1	779	233540
7/24/24 3:30		-1	779	233540
7/24/24 4:00		-1	778	233540
7/24/24 4:30		-1	778	233540
7/24/24 5:00		-1	777	233540

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
7/24/24 5:30		-1	777	233540
7/24/24 6:00		-1	777	233540
7/24/24 6:30		-1	776	233540
7/24/24 7:00		-1	776	233540
7/24/24 7:30		-1	776	233540
7/24/24 8:00		-1	775	233540
7/24/24 8:30		-1	775	233540
7/24/24 9:00		-1	775	233540
7/24/24 9:30		-1	774	233540
7/24/24 10:00	21	-1	938	233555
7/24/24 10:30	22	-1	982	233570
7/24/24 11:00	23	-1	1009	233585
7/24/24 11:30	22	-1	1027	233600
7/24/24 12:00	21	-1	1039	233615
7/24/24 12:30	22	-1	1051	233630
7/24/24 13:00	22	-1	1060	233645
7/24/24 13:30	22	-1	1070	233660
7/24/24 14:00	22	-1	1078	233675
7/24/24 14:30	22	-1	1085	233690
7/24/24 15:00	21	-1	1088	233705
7/24/24 15:30	22	-1	1092	233720
7/24/24 16:00	21	-1	1096	233735
7/24/24 16:30	22	-1	1103	233750
7/24/24 17:00	22	-1	1109	233765
7/24/24 17:30	22	-1	1115	233780
7/24/24 18:00	22	-1	1118	233795
7/24/24 18:30	20	-1	1123	233810
7/24/24 19:00	21	-1	1126	233825
7/24/24 19:30	21	-1	1129	233840
7/24/24 20:00	21	-1	1133	233855
7/24/24 20:30	20	-1	1136	233870
7/24/24 21:00	22	-1	1140	233885
7/24/24 21:30	21	-1	1143	233900
7/24/24 22:00	21	-1	1145	233915
7/24/24 22:30	22	-1	1147	233930
7/24/24 23:00	22	-1	1149	233945
7/24/24 23:30	21	-1	1152	233960
7/25/24 0:00	21	-1	1155	233975
7/25/24 0:30	21	-1	1158	233990
7/25/24 1:00	22	-1	1162	234005
7/25/24 1:30	22	-1	1164	234020
7/25/24 2:00	22	-1	1167	234035
7/25/24 2:30	22	-1	1170	234050
7/25/24 3:00	21	-1	1173	234065
7/25/24 3:30	22	-1	1175	234080
7/25/24 4:00	21	-1	1177	234095
7/25/24 4:30	21	-1	1179	234110
7/25/24 5:00	21	-1	1180	234125
7/25/24 5:30	22	-1	1181	234140
7/25/24 6:00	22	-1	1183	234155
7/25/24 6:30	21	-1	1185	234170
7/25/24 7:00	22	-1	1186	234185
7/25/24 7:30	22	-1	1188	234200
7/25/24 8:00	21	-1	1190	234215
7/25/24 8:30	21	-1	1192	234230
7/25/24 9:00	22	-1	1194	234245
7/25/24 9:30	22	-1	1195	234260
7/25/24 10:00	21	-1	1197	234275
7/25/24 10:30	22	-1	1201	234290
7/25/24 11:00	22	-1	1204	234305
7/25/24 11:30	23	-1	1206	234320
7/25/24 12:00	22	-1	1208	234335

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
7/25/24 12:30	23	-1	1209	234350
7/25/24 13:00	22	-1	1211	234365
7/25/24 13:30	23	-1	1212	234380
7/25/24 14:00	21	-1	1213	234395
7/25/24 14:30	22	-1	1214	234410
7/25/24 15:00	21	-1	1215	234425
7/25/24 15:30	23	-1	1216	234440
7/25/24 16:00	22	-1	1217	234455
7/25/24 16:30	22	-1	1217	234470
7/25/24 17:00	22	-1	1218	234485
7/25/24 17:30	22	-1	1221	234500
7/25/24 18:00	22	-1	1223	234515
7/25/24 18:30	22	-1	1225	234530
7/25/24 19:00	22	-1	1225	234545
7/25/24 19:30	21	-1	1226	234560
7/25/24 20:00	20	-1	1224	234575
7/25/24 20:30	21	-1	1222	234590
7/25/24 21:00	21	-1	1224	234605
7/25/24 21:30	21	-1	1227	234620
7/25/24 22:00	22	-1	1228	234635
7/25/24 22:30	21	-1	1228	234650
7/25/24 23:00	21	-1	1229	234665
7/25/24 23:30	21	-1	1230	234670
7/26/24 0:00	21	-1	1231	234685
7/26/24 0:30	20	-1	1229	234700
7/26/24 1:00	21	-1	1228	234715
7/26/24 1:30	21	-1	1228	234730
7/26/24 2:00	22	-1	1227	234745
7/26/24 2:30	20	-1	1227	234760
7/26/24 3:00	20	-1	1227	234775
7/26/24 3:30	20	-1	1227	234790
7/26/24 4:00	20	-1	1227	234805
7/26/24 4:30	20	-1	1227	234820
7/26/24 5:00	20	-1	1227	234835
7/26/24 5:30	20	-1	1227	234850
7/26/24 6:00	21	-1	1227	234865
7/26/24 6:30	19	-1	1229	234880
7/26/24 7:00	20	-1	1231	234895
7/26/24 7:30	20	-1	1231	234910
7/26/24 8:00	20	-1	1231	234925
7/26/24 8:30	20	-1	1232	234940
7/26/24 9:00	23	-1	1244	234955
7/26/24 9:30	23	-1	1250	234970
7/26/24 10:00	22	-1	1252	234985
7/26/24 10:30	22	-1	1254	235000
7/26/24 11:00	21	-1	1257	235015
7/26/24 11:30	23	-1	1258	235030
7/26/24 12:00	24	-1	1260	235045
7/26/24 12:30	23	-1	1262	235060
7/26/24 13:00	23	-1	1265	235075
7/26/24 13:30	22	-1	1265	235090
7/26/24 14:00	22	-1	1267	235105
7/26/24 14:30	24	-1	1269	235120
7/26/24 15:00	23	-1	1271	235135
7/26/24 15:30	25	-1	1284	235150
7/26/24 16:00	25	-1	1291	235165
7/26/24 16:30	24	-1	1293	235180
7/26/24 17:00	25	-1	1294	235195
7/26/24 17:30	24	-1	1295	235210
7/26/24 18:00	21	-1	1281	235225
7/26/24 18:30	22	-1	1274	235240
7/26/24 19:00	22	-1	1272	235255

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
7/26/24 19:30	22	-1	1271	235270
7/26/24 20:00	22	-1	1271	235285
7/26/24 20:30	23	-1	1271	235300
7/26/24 21:00	21	-1	1271	235315
7/26/24 21:30	21	-1	1271	235330
7/26/24 22:00	22	-1	1270	235345
7/26/24 22:30	22	-1	1270	235360
7/26/24 23:00	21	-1	1271	235375
7/26/24 23:30	22	-1	1272	235412
7/27/24 0:00	20	-1	1268	235428
7/27/24 0:30	20	-1	1270	235444
7/27/24 1:00	21	-1	1270	235460
7/27/24 1:30	20	-1	1272	235476
7/27/24 2:00	21	-1	1274	235492
7/27/24 2:30	22	-1	1276	235508
7/27/24 3:00	21	-1	1275	235524
7/27/24 3:30	22	-1	1277	235540
7/27/24 4:00	22	-1	1279	235556
7/27/24 4:30	21	-1	1282	235572
7/27/24 5:00	22	-1	1283	235588
7/27/24 5:30	22	-1	1284	235604
7/27/24 6:00	22	-1	1282	235620
7/27/24 6:30	21	-1	1282	235636
7/27/24 7:00	22	-1	1283	235652
7/27/24 7:30	23	-1	1284	235668
7/27/24 8:00	21	-1	1284	235684
7/27/24 8:30	22	-1	1285	235700
7/27/24 9:00	22	-1	1285	235716
7/27/24 9:30	21	-1	1285	235732
7/27/24 10:00	21	-1	1286	235748
7/27/24 10:30	23	-1	1300	235764
7/27/24 11:00	21	-1	1295	235780
7/27/24 11:30	21	-1	1290	235796
7/27/24 12:00	22	-1	1290	235812
7/27/24 12:30	21	-1	1290	235828
7/27/24 13:00	20	-1	1291	235844
7/27/24 13:30	21	-1	1291	235860
7/27/24 14:00	21	-1	1293	235876
7/27/24 14:30	23	-1	1294	235892
7/27/24 15:00	21	-1	1295	235908
7/27/24 15:30	22	-1	1295	235924
7/27/24 16:00	22	-1	1296	235940
7/27/24 16:30	23	-1	1296	235956
7/27/24 17:00	22	-1	1297	235972
7/27/24 17:30	22	-1	1298	235988
7/27/24 18:00		-1	1141	236091
7/27/24 18:30		-1	1100	236091
7/27/24 19:00		-1	1075	236091
7/27/24 19:30		-1	1057	236091
7/27/24 20:00		-1	1042	236091
7/27/24 20:30		-1	1031	236091
7/27/24 21:00		-1	1020	236091
7/27/24 21:30		-1	1012	236091
7/27/24 22:00		-1	1004	236091
7/27/24 22:30		-1	997	236091
7/27/24 23:00		-1	991	236091
7/27/24 23:30		-1	986	236091
7/28/24 0:00		-1	980	236091
7/28/24 0:30		-1	975	236091
7/28/24 1:00		-1	971	236091
7/28/24 1:30		-1	967	236091
7/28/24 2:00		-1	963	236091

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
7/28/24 2:30		-1	959	236091
7/28/24 3:00		-1	955	236091
7/28/24 3:30		-1	952	236091
7/28/24 4:00		-1	949	236091
7/28/24 4:30		-1	945	236091
7/28/24 5:00		-1	942	236091
7/28/24 5:30		-1	940	236091
7/28/24 6:00		-1	937	236091
7/28/24 6:30		-1	934	236091
7/28/24 7:00		-1	932	236091
7/28/24 7:30		-1	929	236091
7/28/24 8:00		-1	927	236091
7/28/24 8:30		-1	924	236091
7/28/24 9:00		-1	922	236091
7/28/24 9:30		-1	920	236091
7/28/24 10:00		-1	918	236091
7/28/24 10:30		-1	916	236091
7/28/24 11:00		-1	914	236091
7/28/24 11:30		-1	912	236091
7/28/24 12:00		-1	910	236091
7/28/24 12:30		-1	908	236091
7/28/24 13:00		-1	907	236091
7/28/24 13:30		-1	905	236091
7/28/24 14:00		-1	903	236091
7/28/24 14:30		-1	901	236091
7/28/24 15:00		-1	900	236091
7/28/24 15:30		-1	898	236091
7/28/24 16:00		-1	897	236091
7/28/24 16:30		-1	895	236091
7/28/24 17:00		-1	893	236091
7/28/24 17:30		-1	892	236091
7/28/24 18:00		-1	891	236091
7/28/24 18:30		-1	889	236091
7/28/24 19:00		-1	888	236091
7/28/24 19:30		-1	886	236091
7/28/24 20:00		-1	885	236091
7/28/24 20:30		-1	884	236091
7/28/24 21:00		-1	882	236091
7/28/24 21:30		-1	881	236091
7/28/24 22:00		-1	880	236091
7/28/24 22:30		-1	878	236091
7/28/24 23:00		-1	877	236091
7/28/24 23:30		-1	876	236091
7/29/24 0:00		-1	875	236091
7/29/24 0:30		-1	874	236091
7/29/24 1:00		-1	873	236091
7/29/24 1:30		-1	872	236091
7/29/24 2:00		-1	871	236091
7/29/24 2:30		-1	870	236091
7/29/24 3:00		-1	869	236091
7/29/24 3:30		-1	868	236091
7/29/24 4:00		-1	867	236091
7/29/24 4:30		-1	866	236091
7/29/24 5:00		-1	865	236091
7/29/24 5:30		-1	864	236091
7/29/24 6:00		-1	863	236091
7/29/24 6:30		-1	862	236091
7/29/24 7:00		-1	861	236091
7/29/24 7:30		-1	860	236091
7/29/24 8:00		-1	859	236091
7/29/24 8:30		-1	858	236091
7/29/24 9:00		-1	857	236091



Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
7/29/24 9:30		-1	856	236091
7/29/24 10:00		-1	855	236091
7/29/24 10:30		-1	854	236091
7/29/24 11:00		-1	854	236091
7/29/24 11:30		-1	853	236091
7/29/24 12:00		-1	852	236091
7/29/24 12:30		-1	851	236091
7/29/24 13:00		-1	850	236091
7/29/24 13:30		-1	849	236091
7/29/24 14:00		-1	849	236091
7/29/24 14:30		-1	848	236091
7/29/24 15:00		-1	847	236091
7/29/24 15:30		-1	846	236091
7/29/24 16:00		-1	845	236091
7/29/24 16:30		-1	844	236091
7/29/24 17:00		-1	844	236091
7/29/24 17:30		-1	843	236091
7/29/24 18:00		-1	842	236091
7/29/24 18:30		-1	841	236091
7/29/24 19:00		-1	841	236091
7/29/24 19:30		-1	840	236091
7/29/24 20:00		-1	839	236091
7/29/24 20:30		-1	838	236091
7/29/24 21:00		-1	838	236091
7/29/24 21:30		-1	837	236091
7/29/24 22:00		-1	836	236091
7/29/24 22:30		-1	835	236091
7/29/24 23:00		-1	835	236091
7/29/24 23:30		-1	834	236091
7/30/24 0:00		-1	834	236091
7/30/24 0:30		-1	833	236091
7/30/24 1:00		-1	832	236091
7/30/24 1:30		-1	832	236091
7/30/24 2:00		-1	831	236091
7/30/24 2:30		-1	830	236091
7/30/24 3:00		-1	830	236091
7/30/24 3:30		-1	829	236091
7/30/24 4:00		-1	829	236091
7/30/24 4:30		-1	828	236091
7/30/24 5:00		-1	827	236091
7/30/24 5:30		-1	827	236091
7/30/24 6:00		-1	826	236091
7/30/24 6:30		-1	825	236091
7/30/24 7:00		-1	825	236091
7/30/24 7:30		-1	824	236091
7/30/24 8:00		-1	824	236091
7/30/24 8:30		-1	823	236091
7/30/24 9:00		-1	823	236091
7/30/24 9:30		-1	822	236091
7/30/24 10:00		-1	822	236091
7/30/24 10:30		-1	821	236091
7/30/24 11:00		-1	820	236091
7/30/24 11:30		-1	820	236091
7/30/24 12:00		-1	819	236091
7/30/24 12:30		-1	819	236091
7/30/24 13:00		-1	818	236091
7/30/24 13:30		-1	818	236091
7/30/24 14:00		-1	817	236091
7/30/24 14:30		-1	817	236091
7/30/24 15:00		-1	816	236091
7/30/24 15:30		-1	815	236091
7/30/24 16:00		-1	815	236091

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
7/30/24 16:30		-1	814	236091
7/30/24 17:00		-1	814	236091
7/30/24 17:30		-1	813	236091
7/30/24 18:00		-1	813	236091
7/30/24 18:30		-1	812	236091
7/30/24 19:00		-1	812	236091
7/30/24 19:30		-1	811	236091
7/30/24 20:00		-1	811	236091
7/30/24 20:30		-1	810	236091
7/30/24 21:00		-1	809	236091
7/30/24 21:30		-1	809	236091
7/30/24 22:00		-1	808	236091
7/30/24 22:30		-1	808	236091
7/30/24 23:00		-1	807	236091
7/30/24 23:30		-1	807	236091
7/31/24 0:00		-1	807	236091
7/31/24 0:30		-1	806	236091
7/31/24 1:00		-1	806	236091
7/31/24 1:30		-1	805	236091
7/31/24 2:00		-1	805	236091
7/31/24 2:30		-1	804	236091
7/31/24 3:00		-1	804	236091
7/31/24 3:30		-1	803	236091
7/31/24 4:00		-1	803	236091
7/31/24 4:30		-1	803	236091
7/31/24 5:00		-1	802	236091
7/31/24 5:30		-1	802	236091
7/31/24 6:00		-1	801	236091
7/31/24 6:30		-1	801	236091
7/31/24 7:00		-1	800	236091
7/31/24 7:30		-1	800	236091
7/31/24 8:00		-1	799	236091
7/31/24 8:30		-1	799	236091
7/31/24 9:00		-1	799	236091
7/31/24 9:30		-1	798	236091
7/31/24 10:00		-1	798	236091
7/31/24 10:30		-1	798	236091
7/31/24 11:00		-1	797	236091
7/31/24 11:30		-1	797	236091
7/31/24 12:00		-1	796	236091
7/31/24 12:30		-1	796	236091
7/31/24 13:00		-1	795	236091
7/31/24 13:30		-1	795	236091
7/31/24 14:00		-1	794	236091
7/31/24 14:30		-1	794	236091
7/31/24 15:00		-1	793	236091
7/31/24 15:30		-1	793	236091
7/31/24 16:00		-1	793	236091
7/31/24 16:30		-1	792	236091
7/31/24 17:00		-1	792	236091
7/31/24 17:30		-1	791	236091
7/31/24 18:00		-1	791	236091
7/31/24 18:30		-1	791	236091
7/31/24 19:00		-1	790	236091
7/31/24 19:30		-1	790	236091
7/31/24 20:00		-1	789	236091
7/31/24 20:30		-1	789	236091
7/31/24 21:00		-1	788	236091
7/31/24 21:30		-1	788	236091
7/31/24 22:00		-1	787	236091
7/31/24 22:30		-1	787	236091
7/31/24 23:00		-1	787	236091

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
7/31/24 23:30		-1	787	236091
8/1/24 0:00		-1	786	236091
8/1/24 0:30		-1	786	236091
8/1/24 1:00		-1	786	236091
8/1/24 1:30		-1	785	236091
8/1/24 2:00		-1	785	236091
8/1/24 2:30		-1	784	236091
8/1/24 3:00		-1	784	236091
8/1/24 3:30		-1	784	236091
8/1/24 4:00		-1	783	236091
8/1/24 4:30		-1	783	236091
8/1/24 5:00		-1	783	236091
8/1/24 5:30		-1	782	236091
8/1/24 6:00		-1	782	236091
8/1/24 6:30		-1	782	236091
8/1/24 7:00		-1	781	236091
8/1/24 7:30		-1	781	236091
8/1/24 8:00		-1	780	236091
8/1/24 8:30		-1	780	236091
8/1/24 9:00		-1	780	236091
8/1/24 9:30		-1	780	236091
8/1/24 10:00		-1	779	236091
8/1/24 10:30		-1	779	236091
8/1/24 11:00		-1	779	236091
8/1/24 11:30		-1	778	236091
8/1/24 12:00		-1	778	236091
8/1/24 12:30		-1	778	236091
8/1/24 13:00		-1	777	236091
8/1/24 13:30		-1	777	236091
8/1/24 14:00		-1	776	236091
8/1/24 14:30		-1	776	236091
8/1/24 15:00		-1	776	236091
8/1/24 15:30		-1	775	236091
8/1/24 16:00		-1	775	236091
8/1/24 16:30		-1	774	236091
8/1/24 17:00		-1	774	236091
8/1/24 17:30		-1	774	236091
8/1/24 18:00		-1	774	236091
8/1/24 18:30		-1	773	236091
8/1/24 19:00		-1	773	236091
8/1/24 19:30		-1	772	236091
8/1/24 20:00		-1	772	236091
8/1/24 20:30		-1	772	236091
8/1/24 21:00		-1	771	236091
8/1/24 21:30		-1	771	236091
8/1/24 22:00		-1	771	236091
8/1/24 22:30		-1	770	236091
8/1/24 23:00		-1	770	236091
8/1/24 23:30		-1	770	236091
8/2/24 0:00		-1	770	236091
8/2/24 0:30		-1	769	236091
8/2/24 1:00		-1	769	236091
8/2/24 1:30		-1	769	236091
8/2/24 2:00		-1	768	236091
8/2/24 2:30		-1	768	236091
8/2/24 3:00		-1	768	236091
8/2/24 3:30		-1	767	236091
8/2/24 4:00		-1	767	236091
8/2/24 4:30		-1	767	236091
8/2/24 5:00		-1	767	236091
8/2/24 5:30		-1	766	236091
8/2/24 6:00		-1	766	236091

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
8/2/24 6:30		-1	766	236091
8/2/24 7:00		-1	765	236091
8/2/24 7:30		-1	765	236091
8/2/24 8:00		-1	765	236091
8/2/24 8:30		-1	764	236091
8/2/24 9:00		-1	764	236091
8/2/24 9:30		-1	764	236091
8/2/24 10:00		-1	764	236091
8/2/24 10:30		-1	764	236091
8/2/24 11:00		-1	763	236091
8/2/24 11:30		-1	763	236091
8/2/24 12:00		-1	763	236091
8/2/24 12:30		-1	762	236091
8/2/24 13:00		-1	762	236091
8/2/24 13:30		-1	761	236091
8/2/24 14:00		-1	761	236091
8/2/24 14:30		-1	761	236091
8/2/24 15:00		-1	761	236091
8/2/24 15:30		-1	760	236091
8/2/24 16:00		-1	760	236091
8/2/24 16:30		-1	760	236091
8/2/24 17:00		-1	760	236091
8/2/24 17:30		-1	759	236091
8/2/24 18:00		-1	759	236091
8/2/24 18:30		-1	759	236091
8/2/24 19:00		-1	758	236091
8/2/24 19:30		-1	758	236091
8/2/24 20:00		-1	758	236091
8/2/24 20:30		-1	757	236091
8/2/24 21:00		-1	757	236091
8/2/24 21:30		-1	757	236091
8/2/24 22:00		-1	757	236091
8/2/24 22:30		-1	756	236091
8/2/24 23:00		-1	756	236091
8/2/24 23:30		-1	756	236091
8/3/24 0:00		-1	756	236091
8/3/24 0:30		-1	755	236091
8/3/24 1:00		-1	755	236091
8/3/24 1:30		-1	755	236091
8/3/24 2:00		-1	755	236091
8/3/24 2:30		-1	754	236091
8/3/24 3:00		-1	754	236091
8/3/24 3:30		-1	754	236091
8/3/24 4:00		-1	754	236091
8/3/24 4:30		-1	753	236091
8/3/24 5:00		-1	753	236091
8/3/24 5:30		-1	753	236091
8/3/24 6:00		-1	753	236091
8/3/24 6:30		-1	752	236091
8/3/24 7:00		-1	752	236091
8/3/24 7:30		-1	752	236091
8/3/24 8:00		-1	751	236091
8/3/24 8:30		-1	751	236091
8/3/24 9:00		-1	751	236091
8/3/24 9:30		-1	751	236091
8/3/24 10:00		-1	751	236091
8/3/24 10:30		-1	750	236091
8/3/24 11:00		-1	750	236091
8/3/24 11:30		-1	750	236091
8/3/24 12:00		-1	750	236091
8/3/24 12:30		-1	750	236091
8/3/24 13:00		-1	749	236091

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
8/3/24 13:30		-1	749	236091
8/3/24 14:00		-1	748	236091
8/3/24 14:30		-1	748	236091
8/3/24 15:00		-1	748	236091
8/3/24 15:30		-1	748	236091
8/3/24 16:00		-1	747	236091
8/3/24 16:30		-1	747	236091
8/3/24 17:00		-1	747	236091
8/3/24 17:30		-1	747	236091
8/3/24 18:00		-1	746	236091
8/3/24 18:30		-1	746	236091
8/3/24 19:00		-1	746	236091
8/3/24 19:30		-1	746	236091
8/3/24 20:00		-1	746	236091
8/3/24 20:30		-1	745	236091
8/3/24 21:00		-1	745	236091
8/3/24 21:30		-1	744	236091
8/3/24 22:00		-1	744	236091
8/3/24 22:30		-1	744	236091
8/3/24 23:00		-1	744	236091
8/3/24 23:30		-1	744	236091
8/4/24 0:00		-1	744	236091
8/4/24 0:30		-1	743	236091
8/4/24 1:00		-1	743	236091
8/4/24 1:30		-1	743	236091
8/4/24 2:00		-1	743	236091
8/4/24 2:30		-1	742	236091
8/4/24 3:00		-1	742	236091
8/4/24 3:30		-1	742	236091
8/4/24 4:00		-1	742	236091
8/4/24 4:30		-1	741	236091
8/4/24 5:00		-1	741	236091
8/4/24 5:30		-1	741	236091
8/4/24 6:00		-1	741	236091
8/4/24 6:30		-1	741	236091
8/4/24 7:00		-1	740	236091
8/4/24 7:30		-1	740	236091
8/4/24 8:00		-1	740	236091
8/4/24 8:30		-1	740	236091
8/4/24 9:00		-1	739	236091
8/4/24 9:30		-1	739	236091
8/4/24 10:00		-1	739	236091
8/4/24 10:30		-1	739	236091
8/4/24 11:00		-1	739	236091
8/4/24 11:30		-1	739	236091
8/4/24 12:00		-1	738	236091
8/4/24 12:30		-1	738	236091
8/4/24 13:00		-1	738	236091
8/4/24 13:30		-1	737	236091
8/4/24 14:00		-1	737	236091
8/4/24 14:30		-1	737	236091
8/4/24 15:00		-1	737	236091
8/4/24 15:30		-1	736	236091
8/4/24 16:00		-1	736	236091
8/4/24 16:30		-1	736	236091
8/4/24 17:00		-1	736	236091
8/4/24 17:30		-1	736	236091
8/4/24 18:00		-1	735	236091
8/4/24 18:30		-1	735	236091
8/4/24 19:00		-1	735	236091
8/4/24 19:30		-1	735	236091
8/4/24 20:00		-1	734	236091

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
8/4/24 20:30		-1	734	236091
8/4/24 21:00		-1	734	236091
8/4/24 21:30		-1	733	236091
8/4/24 22:00		-1	733	236091
8/4/24 22:30		-1	733	236091
8/4/24 23:00		-1	733	236091
8/4/24 23:30		-1	733	236091
8/5/24 0:00		-1	733	236091
8/5/24 0:30		-1	733	236091
8/5/24 1:00		-1	732	236091
8/5/24 1:30		-1	732	236091
8/5/24 2:00		-1	732	236091
8/5/24 2:30		-1	732	236091
8/5/24 3:00		-1	732	236091
8/5/24 3:30		-1	731	236091
8/5/24 4:00		-1	731	236091
8/5/24 4:30		-1	731	236091
8/5/24 5:00		-1	731	236091
8/5/24 5:30		-1	731	236091
8/5/24 6:00		-1	730	236091
8/5/24 6:30		-1	730	236091
8/5/24 7:00		-1	730	236091
8/5/24 7:30		-1	730	236091
8/5/24 8:00		-1	729	236091
8/5/24 8:30		-1	729	236091
8/5/24 9:00		-1	729	236091
8/5/24 9:30		-1	729	236091
8/5/24 10:00		-1	729	236091
8/5/24 10:30		-1	729	236091
8/5/24 11:00		-1	729	236091
8/5/24 11:30		-1	728	236091
8/5/24 12:00		-1	728	236091
8/5/24 12:30		-1	728	236091
8/5/24 13:00		-1	728	236091
8/5/24 13:30		-1	727	236091
8/5/24 14:00		-1	727	236091
8/5/24 14:30		-1	727	236091
8/5/24 15:00		-1	727	236091
8/5/24 15:30		-1	726	236091
8/5/24 16:00		-1	726	236091
8/5/24 16:30		-1	726	236091
8/5/24 17:00		-1	726	236091
8/5/24 17:30		-1	726	236091
8/5/24 18:00		-1	725	236091
8/5/24 18:30		-1	725	236091
8/5/24 19:00		-1	725	236091
8/5/24 19:30		-1	725	236091
8/5/24 20:00		-1	725	236091
8/5/24 20:30		-1	724	236091
8/5/24 21:00		-1	724	236091
8/5/24 21:30		-1	724	236091
8/5/24 22:00		-1	723	236091
8/5/24 22:30		-1	723	236091
8/5/24 23:00		-1	723	236091
8/5/24 23:30		-1	723	236091
8/6/24 0:00		-1	723	236091
8/6/24 0:30		-1	723	236091
8/6/24 1:00		-1	723	236091
8/6/24 1:30		-1	723	236091
8/6/24 2:00		-1	722	236091
8/6/24 2:30		-1	722	236091
8/6/24 3:00		-1	722	236091

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
8/6/24 3:30		-1	722	236091
8/6/24 4:00		-1	722	236091
8/6/24 4:30		-1	721	236091
8/6/24 5:00		-1	721	236091
8/6/24 5:30		-1	721	236091
8/6/24 6:00		-1	721	236091
8/6/24 6:30		-1	721	236091
8/6/24 7:00		-1	720	236091
8/6/24 7:30		-1	720	236091
8/6/24 8:00		-1	720	236091
8/6/24 8:30		-1	720	236091
8/6/24 9:00		-1	720	236091
8/6/24 9:30		-1	720	236091
8/6/24 10:00		-1	719	236091
8/6/24 10:30		-1	719	236091
8/6/24 11:00		-1	719	236091
8/6/24 11:30		-1	719	236091
8/6/24 12:00		-1	719	236091
8/6/24 12:30		-1	719	236091
8/6/24 13:00		-1	719	236091
8/6/24 13:30		-1	718	236091
8/6/24 14:00		-1	718	236091
8/6/24 14:30		-1	718	236091
8/6/24 15:00		-1	718	236091
8/6/24 15:30		-1	717	236091
8/6/24 16:00		-1	717	236091
8/6/24 16:30		-1	717	236091
8/6/24 17:00		-1	717	236091
8/6/24 17:30		-1	717	236091
8/6/24 18:00		-1	716	236091
8/6/24 18:30		-1	716	236091
8/6/24 19:00		-1	716	236091
8/6/24 19:30		-1	715	236091
8/6/24 20:00		-1	715	236091
8/6/24 20:30		-1	715	236091
8/6/24 21:00		-1	715	236091
8/6/24 21:30		-1	715	236091
8/6/24 22:00		-1	715	236091
8/6/24 22:30		-1	715	236091
8/6/24 23:00		-1	715	236091
8/6/24 23:30		-1	715	236091
8/7/24 0:00		-1	714	236091
8/7/24 0:30		-1	714	236091
8/7/24 1:00		-1	714	236091
8/7/24 1:30		-1	714	236091
8/7/24 2:00		-1	714	236091
8/7/24 2:30		-1	714	236091
8/7/24 3:00		-1	713	236091
8/7/24 3:30		-1	713	236091
8/7/24 4:00		-1	713	236091
8/7/24 4:30		-1	713	236091
8/7/24 5:00		-1	713	236091
8/7/24 5:30		-1	713	236091
8/7/24 6:00		-1	712	236091
8/7/24 6:30		-1	712	236091
8/7/24 7:00		-1	712	236091
8/7/24 7:30		-1	712	236091
8/7/24 8:00		-1	712	236091
8/7/24 8:30		-1	711	236091
8/7/24 9:00		-1	711	236091
8/7/24 9:30		-1	711	236091
8/7/24 10:00		-1	711	236091

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
8/7/24 10:30		-1	711	236091
8/7/24 11:00		-1	711	236091
8/7/24 11:30		-1	711	236091
8/7/24 12:00		-1	711	236091
8/7/24 12:30		-1	710	236091
8/7/24 13:00		-1	710	236091
8/7/24 13:30		-1	710	236091
8/7/24 14:00		-1	710	236091
8/7/24 14:30		-1	709	236091
8/7/24 15:00		-1	709	236091
8/7/24 15:30		-1	709	236091
8/7/24 16:00		-1	709	236091
8/7/24 16:30		-1	709	236091
8/7/24 17:00		-1	709	236091
8/7/24 17:30		-1	709	236091
8/7/24 18:00		-1	708	236091
8/7/24 18:30		-1	708	236091
8/7/24 19:00		-1	708	236091
8/7/24 19:30		-1	708	236091
8/7/24 20:00		-1	707	236091
8/7/24 20:30		-1	707	236091
8/7/24 21:00		-1	707	236091
8/7/24 21:30		-1	707	236091
8/7/24 22:00		-1	707	236091
8/7/24 22:30		-1	707	236091
8/7/24 23:00		-1	707	236091
8/7/24 23:30		-1	707	236091
8/8/24 0:00		-1	707	236091
8/8/24 0:30		-1	706	236091
8/8/24 1:00		-1	706	236091
8/8/24 1:30		-1	706	236091
8/8/24 2:00		-1	706	236091
8/8/24 2:30		-1	706	236091
8/8/24 3:00		-1	705	236091
8/8/24 3:30		-1	705	236091
8/8/24 4:00		-1	705	236091
8/8/24 4:30		-1	705	236091
8/8/24 5:00		-1	705	236091
8/8/24 5:30		-1	705	236091
8/8/24 6:00		-1	704	236091
8/8/24 6:30		-1	704	236091
8/8/24 7:00		-1	704	236091
8/8/24 7:30		-1	704	236091
8/8/24 8:00		-1	704	236091
8/8/24 8:30		-1	704	236091
8/8/24 9:00		-1	704	236091
8/8/24 9:30		-1	704	236091
8/8/24 10:00		-1	703	236091
8/8/24 10:30		-1	703	236091
8/8/24 11:00		-1	703	236091
8/8/24 11:30		-1	703	236091
8/8/24 12:00		-1	703	236091
8/8/24 12:30		-1	703	236091
8/8/24 13:00		-1	703	236091
8/8/24 13:30		-1	702	236091
8/8/24 14:00		-1	702	236091
8/8/24 14:30		-1	702	236091
8/8/24 15:00		-1	702	236091
8/8/24 15:30		-1	702	236091
8/8/24 16:00		-1	701	236091
8/8/24 16:30		-1	701	236091
8/8/24 17:00		-1	701	236091



Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
8/8/24 17:30		-1	701	236091
8/8/24 18:00		-1	701	236091
8/8/24 18:30		-1	701	236091
8/8/24 19:00		-1	700	236091
8/8/24 19:30		-1	700	236091
8/8/24 20:00		-1	700	236091
8/8/24 20:30		-1	700	236091
8/8/24 21:00		-1	700	236091
8/8/24 21:30		-1	700	236091
8/8/24 22:00		-1	700	236091
8/8/24 22:30		-1	700	236091
8/8/24 23:00		-1	699	236091
8/8/24 23:30		-1	699	236091
8/9/24 0:00		-1	699	236091
8/9/24 0:30		-1	699	236091
8/9/24 1:00		-1	699	236091
8/9/24 1:30		-1	699	236091
8/9/24 2:00		-1	698	236091
8/9/24 2:30		-1	698	236091
8/9/24 3:00		-1	698	236091
8/9/24 3:30		-1	698	236091
8/9/24 4:00		-1	698	236091
8/9/24 4:30		-1	698	236091
8/9/24 5:00		-1	698	236091
8/9/24 5:30		-1	697	236091
8/9/24 6:00		-1	697	236091
8/9/24 6:30		-1	697	236091
8/9/24 7:00		-1	697	236091
8/9/24 7:30		-1	697	236091
8/9/24 8:00		-1	697	236091
8/9/24 8:30		-1	696	236091
8/9/24 9:00		-1	696	236091
8/9/24 9:30		-1	696	236091
8/9/24 10:00		-1	696	236091
8/9/24 10:30		-1	696	236091
8/9/24 11:00		-1	696	236091
8/9/24 11:30		-1	696	236091
8/9/24 12:00		-1	696	236091
8/9/24 12:30		-1	696	236091
8/9/24 13:00		-1	695	236091
8/9/24 13:30		-1	695	236091
8/9/24 14:00		-1	695	236091
8/9/24 14:30		-1	695	236091
8/9/24 15:00		-1	695	236091
8/9/24 15:30		-1	695	236091
8/9/24 16:00		-1	695	236091
8/9/24 16:30		-1	694	236091
8/9/24 17:00		-1	694	236091
8/9/24 17:30		-1	694	236091
8/9/24 18:00		-1	694	236091
8/9/24 18:30		-1	694	236091
8/9/24 19:00		-1	693	236091
8/9/24 19:30		-1	693	236091
8/9/24 20:00		-1	693	236091
8/9/24 20:30		-1	693	236091
8/9/24 21:00		-1	693	236091
8/9/24 21:30		-1	693	236091
8/9/24 22:00		-1	693	236091
8/9/24 22:30		-1	692	236091
8/9/24 23:00		-1	692	236091
8/9/24 23:30		-1	692	236091
8/10/24 0:00		-1	692	236091

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
8/10/24 0:30		-1	692	236091
8/10/24 1:00		-1	692	236091
8/10/24 1:30		-1	692	236091
8/10/24 2:00		-1	692	236091
8/10/24 2:30		-1	691	236091
8/10/24 3:00		-1	691	236091
8/10/24 3:30		-1	691	236091
8/10/24 4:00		-1	691	236091
8/10/24 4:30		-1	691	236091
8/10/24 5:00		-1	691	236091
8/10/24 5:30		-1	691	236091
8/10/24 6:00		-1	690	236091
8/10/24 6:30		-1	690	236091
8/10/24 7:00		-1	690	236091
8/10/24 7:30		-1	690	236091
8/10/24 8:00		-1	690	236091
8/10/24 8:30		-1	690	236091
8/10/24 9:00		-1	690	236091
8/10/24 9:30		-1	690	236091
8/10/24 10:00		-1	690	236091
8/10/24 10:30		-1	689	236091
8/10/24 11:00		-1	689	236091
8/10/24 11:30		-1	689	236091
8/10/24 12:00		-1	689	236091
8/10/24 12:30		-1	689	236091
8/10/24 13:00		-1	689	236091
8/10/24 13:30		-1	689	236091
8/10/24 14:00		-1	689	236091
8/10/24 14:30		-1	688	236091
8/10/24 15:00		-1	688	236091
8/10/24 15:30		-1	688	236091
8/10/24 16:00		-1	688	236091
8/10/24 16:30		-1	688	236091
8/10/24 17:00		-1	688	236091
8/10/24 17:30		-1	688	236091
8/10/24 18:00		-1	687	236091
8/10/24 18:30		-1	687	236091
8/10/24 19:00		-1	687	236091
8/10/24 19:30		-1	687	236091
8/10/24 20:00		-1	686	236091
8/10/24 20:30		-1	687	236091
8/10/24 21:00		-1	686	236091
8/10/24 21:30		-1	686	236091
8/10/24 22:00		-1	686	236091
8/10/24 22:30		-1	686	236091
8/10/24 23:00		-1	686	236091
8/10/24 23:30		-1	686	236091
8/11/24 0:00		-1	686	236091
8/11/24 0:30		-1	686	236091
8/11/24 1:00		-1	685	236091
8/11/24 1:30		-1	685	236091
8/11/24 2:00		-1	685	236091
8/11/24 2:30		-1	685	236091
8/11/24 3:00		-1	685	236091
8/11/24 3:30		-1	685	236091
8/11/24 4:00		-1	685	236091
8/11/24 4:30		-1	685	236091
8/11/24 5:00		-1	685	236091
8/11/24 5:30		-1	684	236091
8/11/24 6:00		-1	684	236091
8/11/24 6:30		-1	684	236091
8/11/24 7:00		-1	684	236091

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
8/11/24 7:30		-1	684	236091
8/11/24 8:00		-1	684	236091
8/11/24 8:30		-1	684	236091
8/11/24 9:00		-1	684	236091
8/11/24 9:30		-1	683	236091
8/11/24 10:00		-1	683	236091
8/11/24 10:30		-1	683	236091
8/11/24 11:00		-1	683	236091
8/11/24 11:30		-1	683	236091
8/11/24 12:00		-1	683	236091
8/11/24 12:30		-1	683	236091
8/11/24 13:00		-1	683	236091
8/11/24 13:30		-1	683	236091
8/11/24 14:00		-1	682	236091
8/11/24 14:30		-1	682	236091
8/11/24 15:00		-1	682	236091
8/11/24 15:30		-1	682	236091
8/11/24 16:00		-1	682	236091
8/11/24 16:30		-1	682	236091
8/11/24 17:00		-1	682	236091
8/11/24 17:30		-1	682	236091
8/11/24 18:00		-1	681	236091
8/11/24 18:30		-1	681	236091
8/11/24 19:00		-1	681	236091
8/11/24 19:30		-1	681	236091
8/11/24 20:00		-1	680	236091
8/11/24 20:30		-1	680	236091
8/11/24 21:00		-1	680	236091
8/11/24 21:30		-1	681	236091
8/11/24 22:00		-1	681	236091
8/11/24 22:30		-1	680	236091
8/11/24 23:00		-1	680	236091
8/11/24 23:30		-1	680	236091
8/12/24 0:00		-1	680	236091
8/12/24 0:30		-1	680	236091
8/12/24 1:00		-1	680	236091
8/12/24 1:30		-1	680	236091
8/12/24 2:00		-1	679	236091
8/12/24 2:30		-1	679	236091
8/12/24 3:00		-1	679	236091
8/12/24 3:30		-1	679	236091
8/12/24 4:00		-1	679	236091
8/12/24 4:30		-1	679	236091
8/12/24 5:00		-1	679	236091
8/12/24 5:30		-1	679	236091
8/12/24 6:00		-1	678	236091
8/12/24 6:30		-1	678	236091
8/12/24 7:00		-1	678	236091
8/12/24 7:30		-1	678	236091
8/12/24 8:00		-1	678	236091
8/12/24 8:30		-1	678	236091
8/12/24 9:00		-1	678	236091
8/12/24 9:30		-1	678	236091
8/12/24 10:00		-1	678	236091
8/12/24 10:30		-1	678	236091
8/12/24 11:00		-1	678	236091
8/12/24 11:30		-1	677	236091
8/12/24 12:00		-1	677	236091
8/12/24 12:30		-1	677	236091
8/12/24 13:00		-1	677	236091
8/12/24 13:30		-1	677	236091
8/12/24 14:00		-1	677	236091

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
8/12/24 14:30		-1	676	236091
8/12/24 15:00		-1	676	236091
8/12/24 15:30		-1	676	236091
8/12/24 16:00		-1	676	236091
8/12/24 16:30		-1	676	236091
8/12/24 17:00		-1	676	236091
8/12/24 17:30		-1	676	236091
8/12/24 18:00		-1	676	236091
8/12/24 18:30		-1	675	236091
8/12/24 19:00		-1	675	236091
8/12/24 19:30		-1	675	236091
8/12/24 20:00		-1	675	236091
8/12/24 20:30		-1	675	236091
8/12/24 21:00		-1	675	236091
8/12/24 21:30		-1	674	236091
8/12/24 22:00		-1	674	236091
8/12/24 22:30		-1	674	236091
8/12/24 23:00		-1	674	236091
8/12/24 23:30		-1	674	236091
8/13/24 0:00		-1	674	236091
8/13/24 0:30		-1	674	236091
8/13/24 1:00		-1	674	236091
8/13/24 1:30		-1	674	236091
8/13/24 2:00		-1	674	236091
8/13/24 2:30		-1	674	236091
8/13/24 3:00		-1	674	236091
8/13/24 3:30		-1	673	236091
8/13/24 4:00		-1	673	236091
8/13/24 4:30		-1	673	236091
8/13/24 5:00		-1	673	236091
8/13/24 5:30		-1	673	236091
8/13/24 6:00		-1	673	236091
8/13/24 6:30		-1	673	236091
8/13/24 7:00		-1	673	236091
8/13/24 7:30		-1	673	236091
8/13/24 8:00		-1	672	236091
8/13/24 8:30		-1	672	236091
8/13/24 9:00		-1	672	236091
8/13/24 9:30		-1	672	236091
8/13/24 10:00		-1	672	236091
8/13/24 10:30		-1	673	236091
8/13/24 11:00		-1	672	236091
8/13/24 11:30		-1	672	236091
8/13/24 12:00		-1	672	236091
8/13/24 12:30		-1	672	236091
8/13/24 13:00		-1	671	236091
8/13/24 13:30		-1	671	236091
8/13/24 14:00		-1	672	236091
8/13/24 14:30		-1	671	236091
8/13/24 15:00		-1	671	236091
8/13/24 15:30		-1	671	236091
8/13/24 16:00		-1	671	236091
8/13/24 16:30		-1	671	236091
8/13/24 17:00		-1	671	236091
8/13/24 17:30		-1	671	236091
8/13/24 18:00		-1	670	236091
8/13/24 18:30		-1	670	236091
8/13/24 19:00		-1	670	236091
8/13/24 19:30		-1	670	236091
8/13/24 20:00		-1	670	236091
8/13/24 20:30		-1	670	236091
8/13/24 21:00		-1	670	236091

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
8/13/24 21:30		-1	670	236091
8/13/24 22:00		-1	669	236091
8/13/24 22:30		-1	669	236091
8/13/24 23:00		-1	669	236091
8/13/24 23:30		-1	669	236091
8/14/24 0:00		-1	669	236091
8/14/24 0:30		-1	669	236091
8/14/24 1:00		-1	669	236091
8/14/24 1:30		-1	669	236091
8/14/24 2:00		-1	669	236091
8/14/24 2:30		-1	669	236091
8/14/24 3:00		-1	668	236091
8/14/24 3:30		-1	668	236091
8/14/24 4:00		-1	668	236091
8/14/24 4:30		-1	668	236091
8/14/24 5:00		-1	668	236091
8/14/24 5:30		-1	668	236091
8/14/24 6:00		-1	668	236091
8/14/24 6:30		-1	668	236091
8/14/24 7:00		-1	667	236091
8/14/24 7:30		-1	667	236091
8/14/24 8:00		-1	667	236091
8/14/24 8:30		-1	667	236091
8/14/24 9:00		-1	667	236091
8/14/24 9:30		-1	667	236091
8/14/24 10:00		-1	667	236091
8/14/24 10:30		-1	667	236091
8/14/24 11:00		-1	667	236091
8/14/24 11:30		-1	667	236091
8/14/24 12:00		-1	667	236091
8/14/24 12:30		-1	667	236091
8/14/24 13:00		-1	666	236091
8/14/24 13:30		-1	666	236091
8/14/24 14:00		-1	666	236091
8/14/24 14:30		-1	666	236091
8/14/24 15:00		-1	666	236091
8/14/24 15:30		-1	666	236091
8/14/24 16:00		-1	666	236091
8/14/24 16:30		-1	666	236091
8/14/24 17:00		-1	666	236091
8/14/24 17:30		-1	665	236091
8/14/24 18:00		-1	665	236091
8/14/24 18:30		-1	665	236091
8/14/24 19:00		-1	665	236091
8/14/24 19:30		-1	665	236091
8/14/24 20:00		-1	665	236091
8/14/24 20:30		-1	665	236091
8/14/24 21:00		-1	664	236091
8/14/24 21:30		-1	664	236091
8/14/24 22:00		-1	664	236091
8/14/24 22:30		-1	664	236091
8/14/24 23:00		-1	664	236091
8/14/24 23:30		-1	664	236091
8/15/24 0:00		-1	664	236091
8/15/24 0:30		-1	664	236091
8/15/24 1:00		-1	664	236091
8/15/24 1:30		-1	664	236091
8/15/24 2:00		-1	664	236091
8/15/24 2:30		-1	664	236091
8/15/24 3:00		-1	664	236091
8/15/24 3:30		-1	663	236091
8/15/24 4:00		-1	663	236091

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
8/15/24 4:30		-1	663	236091
8/15/24 5:00		-1	663	236091
8/15/24 5:30		-1	663	236091
8/15/24 6:00		-1	663	236091
8/15/24 6:30		-1	663	236091
8/15/24 7:00		-1	663	236091
8/15/24 7:30		-1	663	236091
8/15/24 8:00		-1	662	236091
8/15/24 8:30		-1	662	236091
8/15/24 9:00		-1	662	236091
8/15/24 9:30		-1	662	236091
8/15/24 10:00		-1	662	236091
8/15/24 10:30		-1	662	236091
8/15/24 11:00		-1	662	236091
8/15/24 11:30		-1	662	236091
8/15/24 12:00		-1	662	236091
8/15/24 12:30		-1	662	236091
8/15/24 13:00		-1	662	236091
8/15/24 13:30		-1	661	236091
8/15/24 14:00		-1	661	236091
8/15/24 14:30		-1	661	236091
8/15/24 15:00		-1	661	236091
8/15/24 15:30		-1	661	236091
8/15/24 16:00		-1	661	236091
8/15/24 16:30		-1	661	236091
8/15/24 17:00		-1	661	236091
8/15/24 17:30		-1	661	236091
8/15/24 18:00		-1	660	236091
8/15/24 18:30		-1	660	236091
8/15/24 19:00		-1	660	236091
8/15/24 19:30		-1	660	236091
8/15/24 20:00		-1	660	236091
8/15/24 20:30		-1	660	236091
8/15/24 21:00		-1	660	236091
8/15/24 21:30		-1	660	236091
8/15/24 22:00		-1	659	236091
8/15/24 22:30		-1	659	236091
8/15/24 23:00		-1	659	236091
8/15/24 23:30		-1	659	236091
8/16/24 0:00		-1	659	236091
8/16/24 0:30		-1	659	236091
8/16/24 1:00		-1	659	236091
8/16/24 1:30		-1	659	236091
8/16/24 2:00		-1	659	236091
8/16/24 2:30		-1	659	236091
8/16/24 3:00		-1	659	236091
8/16/24 3:30		-1	659	236091
8/16/24 4:00		-1	659	236091
8/16/24 4:30		-1	658	236091
8/16/24 5:00		-1	659	236091
8/16/24 5:30		-1	658	236091
8/16/24 6:00		-1	658	236091
8/16/24 6:30		-1	658	236091
8/16/24 7:00		-1	658	236091
8/16/24 7:30		-1	658	236091
8/16/24 8:00		-1	658	236091
8/16/24 8:30		-1	658	236091
8/16/24 9:00		-1	658	236091
8/16/24 9:30		-1	658	236091
8/16/24 10:00		-1	658	236091
8/16/24 10:30		-1	658	236091
8/16/24 11:00		-1	658	236091

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
8/16/24 11:30		-1	657	236091
8/16/24 12:00		-1	657	236091
8/16/24 12:30		-1	657	236091
8/16/24 13:00		-1	657	236091
8/16/24 13:30		-1	657	236091
8/16/24 14:00		-1	657	236091
8/16/24 14:30		-1	657	236091
8/16/24 15:00		-1	657	236091
8/16/24 15:30		-1	656	236091
8/16/24 16:00		-1	656	236091
8/16/24 16:30		-1	656	236091
8/16/24 17:00		-1	656	236091
8/16/24 17:30		-1	656	236091
8/16/24 18:00		-1	656	236091
8/16/24 18:30		-1	656	236091
8/16/24 19:00		-1	656	236091
8/16/24 19:30		-1	656	236091
8/16/24 20:00		-1	656	236091
8/16/24 20:30		-1	655	236091
8/16/24 21:00		-1	655	236091
8/16/24 21:30		-1	655	236091
8/16/24 22:00		-1	655	236091
8/16/24 22:30		-1	655	236091
8/16/24 23:00		-1	655	236091
8/16/24 23:30		-1	655	236091
8/17/24 0:00		-1	655	236091
8/17/24 0:30		-1	655	236091
8/17/24 1:00		-1	655	236091
8/17/24 1:30		-1	655	236091
8/17/24 2:00		-1	654	236091
8/17/24 2:30		-1	654	236091
8/17/24 3:00		-1	654	236091
8/17/24 3:30		-1	654	236091
8/17/24 4:00		-1	654	236091
8/17/24 4:30		-1	654	236091
8/17/24 5:00		-1	654	236091
8/17/24 5:30		-1	654	236091
8/17/24 6:00		-1	654	236091
8/17/24 6:30		-1	654	236091
8/17/24 7:00		-1	654	236091
8/17/24 7:30		-1	654	236091
8/17/24 8:00		-1	654	236091
8/17/24 8:30		-1	653	236091
8/17/24 9:00		-1	653	236091
8/17/24 9:30		-1	653	236091
8/17/24 10:00		-1	653	236091
8/17/24 10:30		-1	653	236091
8/17/24 11:00		-1	653	236091
8/17/24 11:30		-1	653	236091
8/17/24 12:00		-1	653	236091
8/17/24 12:30		-1	653	236091
8/17/24 13:00		-1	653	236091
8/17/24 13:30		-1	653	236091
8/17/24 14:00		-1	652	236091
8/17/24 14:30		-1	652	236091
8/17/24 15:00		-1	652	236091
8/17/24 15:30		-1	652	236091
8/17/24 16:00		-1	652	236091
8/17/24 16:30		-1	652	236091
8/17/24 17:00		-1	652	236091
8/17/24 17:30		-1	652	236091
8/17/24 18:00		-1	652	236091

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
8/17/24 18:30		-1	652	236091
8/17/24 19:00		-1	651	236091
8/17/24 19:30		-1	651	236091
8/17/24 20:00		-1	651	236091
8/17/24 20:30		-1	650	236091
8/17/24 21:00		-1	651	236091
8/17/24 21:30		-1	651	236091
8/17/24 22:00		-1	651	236091
8/17/24 22:30		-1	651	236091
8/17/24 23:00		-1	651	236091
8/17/24 23:30		-1	651	236091
8/18/24 0:00		-1	651	236091
8/18/24 0:30		-1	651	236091
8/18/24 1:00		-1	650	236091
8/18/24 1:30		-1	650	236091
8/18/24 2:00		-1	650	236091
8/18/24 2:30		-1	650	236091
8/18/24 3:00		-1	650	236091
8/18/24 3:30		-1	650	236091
8/18/24 4:00		-1	650	236091
8/18/24 4:30		-1	650	236091
8/18/24 5:00		-1	650	236091
8/18/24 5:30		-1	650	236091
8/18/24 6:00		-1	650	236091
8/18/24 6:30		-1	649	236091
8/18/24 7:00		-1	649	236091
8/18/24 7:30		-1	649	236091
8/18/24 8:00		-1	649	236091
8/18/24 8:30		-1	649	236091
8/18/24 9:00		-1	649	236091
8/18/24 9:30		-1	649	236091
8/18/24 10:00		-1	649	236091
8/18/24 10:30		-1	649	236091
8/18/24 11:00		-1	649	236091
8/18/24 11:30		-1	649	236091
8/18/24 12:00		-1	649	236091
8/18/24 12:30		-1	649	236091
8/18/24 13:00		-1	648	236091
8/18/24 13:30		-1	648	236091
8/18/24 14:00		-1	648	236091
8/18/24 14:30		-1	648	236091
8/18/24 15:00		-1	648	236091
8/18/24 15:30		-1	648	236091
8/18/24 16:00		-1	648	236091
8/18/24 16:30		-1	648	236091
8/18/24 17:00		-1	648	236091
8/18/24 17:30		-1	648	236091
8/18/24 18:00		-1	647	236091
8/18/24 18:30		-1	647	236091
8/18/24 19:00		-1	647	236091
8/18/24 19:30		-1	647	236091
8/18/24 20:00		-1	647	236091
8/18/24 20:30		-1	647	236091
8/18/24 21:00		-1	647	236091
8/18/24 21:30		-1	647	236091
8/18/24 22:00		-1	647	236091
8/18/24 22:30		-1	647	236091
8/18/24 23:00		-1	647	236091
8/18/24 23:30		-1	647	236091
8/19/24 0:00		-1	647	236091
8/19/24 0:30		-1	646	236091
8/19/24 1:00		-1	646	236091



Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
8/19/24 1:30		-1	646	236091
8/19/24 2:00		-1	646	236091
8/19/24 2:30		-1	646	236091
8/19/24 3:00		-1	646	236091
8/19/24 3:30		-1	646	236091
8/19/24 4:00		-1	646	236091
8/19/24 4:30		-1	646	236091
8/19/24 5:00		-1	646	236091
8/19/24 5:30		-1	646	236091
8/19/24 6:00		-1	646	236091
8/19/24 6:30		-1	645	236091
8/19/24 7:00		-1	645	236091
8/19/24 7:30		-1	645	236091
8/19/24 8:00		-1	645	236091
8/19/24 8:30		-1	645	236091
8/19/24 9:00		-1	645	236091
8/19/24 9:30		-1	645	236091
8/19/24 10:00		-1	645	236091
8/19/24 10:30		-1	645	236091
8/19/24 11:00		-1	645	236091
8/19/24 11:30		-1	645	236091
8/19/24 12:00		-1	645	236091
8/19/24 12:30		-1	645	236091
8/19/24 13:00		-1	645	236091
8/19/24 13:30		-1	644	236091
8/19/24 14:00		-1	644	236091
8/19/24 14:30		-1	644	236091
8/19/24 15:00		-1	644	236091
8/19/24 15:30		-1	644	236091
8/19/24 16:00		-1	644	236091
8/19/24 16:30		-1	644	236091
8/19/24 17:00		-1	644	236091
8/19/24 17:30		-1	644	236091
8/19/24 18:00		-1	644	236091
8/19/24 18:30		-1	643	236091
8/19/24 19:00		-1	643	236091
8/19/24 19:30		-1	643	236091
8/19/24 20:00		-1	643	236091
8/19/24 20:30		-1	644	236091
8/19/24 21:00		-1	643	236091
8/19/24 21:30		-1	643	236091
8/19/24 22:00		-1	643	236091
8/19/24 22:30		-1	643	236091
8/19/24 23:00		-1	643	236091
8/19/24 23:30		-1	643	236091
8/20/24 0:00		-1	643	236091
8/20/24 0:30		-1	643	236091
8/20/24 1:00		-1	643	236091
8/20/24 1:30		-1	643	236091
8/20/24 2:00		-1	643	236091
8/20/24 2:30		-1	643	236091
8/20/24 3:00		-1	643	236091
8/20/24 3:30		-1	643	236091
8/20/24 4:00		-1	643	236091
8/20/24 4:30		-1	643	236091
8/20/24 5:00		-1	643	236091
8/20/24 5:30		-1	643	236091
8/20/24 6:00		-1	643	236091
8/20/24 6:30		-1	643	236091
8/20/24 7:00		-1	642	236091
8/20/24 7:30		-1	641	236091
8/20/24 8:00		-1	641	236091

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
8/20/24 8:30		-1	641	236091
8/20/24 9:00		-1	641	236091
8/20/24 9:30		-1	641	236091
8/20/24 10:00		-1	641	236091
8/20/24 10:30		-1	641	236091
8/20/24 11:00		-1	641	236091
8/20/24 11:30		-1	641	236091
8/20/24 12:00		-1	641	236091
8/20/24 12:30		-1	641	236091
8/20/24 13:00		-1	641	236091
8/20/24 13:30		-1	641	236091
8/20/24 14:00		-1	641	236091
8/20/24 14:30		-1	640	236091
8/20/24 15:00		-1	640	236091
8/20/24 15:30		-1	640	236091
8/20/24 16:00		-1	640	236091
8/20/24 16:30		-1	640	236091
8/20/24 17:00		-1	640	236091
8/20/24 17:30		-1	640	236091
8/20/24 18:00		-1	640	236091
8/20/24 18:30		-1	640	236091
8/20/24 19:00		-1	640	236091
8/20/24 19:30		-1	640	236091
8/20/24 20:00		-1	639	236091
8/20/24 20:30		-1	639	236091
8/20/24 21:00		-1	639	236091
8/20/24 21:30		-1	639	236091
8/20/24 22:00		-1	639	236091
8/20/24 22:30		-1	639	236091
8/20/24 23:00		-1	639	236091
8/20/24 23:30		-1	639	236091
8/21/24 0:00		-1	639	236091
8/21/24 0:30		-1	639	236091
8/21/24 1:00		-1	639	236091
8/21/24 1:30		-1	639	236091
8/21/24 2:00		-1	639	236091
8/21/24 2:30		-1	639	236091
8/21/24 3:00		-1	639	236091
8/21/24 3:30		-1	638	236091
8/21/24 4:00		-1	638	236091
8/21/24 4:30		-1	638	236091
8/21/24 5:00		-1	638	236091
8/21/24 5:30		-1	638	236091
8/21/24 6:00		-1	638	236091
8/21/24 6:30		-1	638	236091
8/21/24 7:00		-1	638	236091
8/21/24 7:30		-1	638	236091
8/21/24 8:00		-1	638	236091
8/21/24 8:30		-1	638	236091
8/21/24 9:00		-1	638	236091
8/21/24 9:30		-1	638	236091
8/21/24 10:00		-1	637	236091
8/21/24 10:30		-1	637	236091
8/21/24 11:00		-1	638	236091
8/21/24 11:30		-1	637	236091
8/21/24 12:00		-1	637	236091
8/21/24 12:30		-1	637	236091
8/21/24 13:00		-1	637	236091
8/21/24 13:30		-1	637	236091
8/21/24 14:00		-1	637	236091
8/21/24 14:30		-1	637	236091
8/21/24 15:00		-1	637	236091

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
8/21/24 15:30		-1	637	236091
8/21/24 16:00		-1	637	236091
8/21/24 16:30		-1	636	236091
8/21/24 17:00		-1	636	236091
8/21/24 17:30		-1	636	236091
8/21/24 18:00		-1	636	236091
8/21/24 18:30		-1	636	236091
8/21/24 19:00		-1	636	236091
8/21/24 19:30		-1	636	236091
8/21/24 20:00		-1	636	236091
8/21/24 20:30		-1	636	236091
8/21/24 21:00		-1	636	236091
8/21/24 21:30		-1	636	236091
8/21/24 22:00		-1	635	236091
8/21/24 22:30		-1	635	236091
8/21/24 23:00		-1	635	236091
8/21/24 23:30		-1	635	236091
8/22/24 0:00		-1	635	236091
8/22/24 0:30		-1	635	236091
8/22/24 1:00		-1	635	236091
8/22/24 1:30		-1	635	236091
8/22/24 2:00		-1	635	236091
8/22/24 2:30		-1	635	236091
8/22/24 3:00		-1	635	236091
8/22/24 3:30		-1	635	236091
8/22/24 4:00		-1	635	236091
8/22/24 4:30		-1	635	236091
8/22/24 5:00		-1	635	236091
8/22/24 5:30		-1	634	236091
8/22/24 6:00		-1	634	236091
8/22/24 6:30		-1	634	236091
8/22/24 7:00		-1	634	236091
8/22/24 7:30		-1	634	236091
8/22/24 8:00		-1	634	236091
8/22/24 8:30		-1	634	236091
8/22/24 9:00		-1	634	236091
8/22/24 9:30		-1	634	236091
8/22/24 10:00		-1	634	236091
8/22/24 10:30		-1	634	236091
8/22/24 11:00		-1	634	236091
8/22/24 11:30		-1	633	236091
8/22/24 12:00		-1	633	236091
8/22/24 12:30		-1	634	236091
8/22/24 13:00		-1	634	236091
8/22/24 13:30		-1	634	236091
8/22/24 14:00		-1	634	236091
8/22/24 14:30		-1	633	236091
8/22/24 15:00		-1	633	236091
8/22/24 15:30		-1	633	236091
8/22/24 16:00		-1	632	236091
8/22/24 16:30		-1	633	236091
8/22/24 17:00		-1	633	236091
8/22/24 17:30		-1	633	236091
8/22/24 18:00		-1	633	236091
8/22/24 18:30		-1	633	236091
8/22/24 19:00		-1	632	236091
8/22/24 19:30		-1	633	236091
8/22/24 20:00		-1	633	236091
8/22/24 20:30		-1	632	236091
8/22/24 21:00		-1	632	236091
8/22/24 21:30		-1	632	236091
8/22/24 22:00		-1	632	236091

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
8/22/24 22:30		-1	632	236091
8/22/24 23:00		-1	632	236091
8/22/24 23:30		-1	632	236091
8/23/24 0:00		-1	632	236091
8/23/24 0:30		-1	632	236091
8/23/24 1:00		-1	632	236091
8/23/24 1:30		-1	632	236091
8/23/24 2:00		-1	632	236091
8/23/24 2:30		-1	632	236091
8/23/24 3:00		-1	632	236091
8/23/24 3:30		-1	631	236091
8/23/24 4:00		-1	631	236091
8/23/24 4:30		-1	631	236091
8/23/24 5:00		-1	631	236091
8/23/24 5:30		-1	631	236091
8/23/24 6:00		-1	631	236091
8/23/24 6:30		-1	631	236091
8/23/24 7:00		-1	631	236091
8/23/24 7:30		-1	631	236091
8/23/24 8:00		-1	631	236091
8/23/24 8:30		-1	631	236091
8/23/24 9:00		-1	631	236091
8/23/24 9:30		-1	631	236091
8/23/24 10:00		-1	631	236091
8/23/24 10:30		-1	631	236091
8/23/24 11:00		-1	631	236091
8/23/24 11:30		-1	630	236091
8/23/24 12:00		-1	630	236091
8/23/24 12:30		-1	630	236091
8/23/24 13:00		-1	630	236091
8/23/24 13:30		-1	630	236091
8/23/24 14:00		-1	630	236091
8/23/24 14:30		-1	630	236091
8/23/24 15:00		-1	630	236091
8/23/24 15:30		-1	630	236091
8/23/24 16:00		-1	630	236091
8/23/24 16:30		-1	630	236091
8/23/24 17:00		-1	630	236091
8/23/24 17:30		-1	630	236091
8/23/24 18:00		-1	629	236091
8/23/24 18:30		-1	629	236091
8/23/24 19:00		-1	629	236091
8/23/24 19:30		-1	629	236091
8/23/24 20:00		-1	628	236091
8/23/24 20:30		-1	629	236091
8/23/24 21:00		-1	629	236091
8/23/24 21:30		-1	629	236091
8/23/24 22:00		-1	629	236091
8/23/24 22:30		-1	629	236091
8/23/24 23:00		-1	629	236091
8/23/24 23:30		-1	629	236091
8/24/24 0:00		-1	629	236091
8/24/24 0:30		-1	629	236091
8/24/24 1:00		-1	628	236091
8/24/24 1:30		-1	628	236091
8/24/24 2:00		-1	628	236091
8/24/24 2:30		-1	628	236091
8/24/24 3:00		-1	628	236091
8/24/24 3:30		-1	628	236091
8/24/24 4:00		-1	628	236091
8/24/24 4:30		-1	628	236091
8/24/24 5:00		-1	628	236091

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
8/24/24 5:30		-1	628	236091
8/24/24 6:00		-1	628	236091
8/24/24 6:30		-1	628	236091
8/24/24 7:00		-1	628	236091
8/24/24 7:30		-1	628	236091
8/24/24 8:00		-1	628	236091
8/24/24 8:30		-1	627	236091
8/24/24 9:00		-1	627	236091
8/24/24 9:30		-1	628	236091
8/24/24 10:00		-1	627	236091
8/24/24 10:30		-1	627	236091
8/24/24 11:00		-1	627	236091
8/24/24 11:30		-1	627	236091
8/24/24 12:00		-1	627	236091
8/24/24 12:30		-1	627	236091
8/24/24 13:00		-1	627	236091
8/24/24 13:30		-1	627	236091
8/24/24 14:00		-1	627	236091
8/24/24 14:30		-1	627	236091
8/24/24 15:00		-1	627	236091
8/24/24 15:30		-1	626	236091
8/24/24 16:00		-1	626	236091
8/24/24 16:30		-1	626	236091
8/24/24 17:00		-1	626	236091
8/24/24 17:30		-1	627	236091
8/24/24 18:00		-1	627	236091
8/24/24 18:30		-1	626	236091
8/24/24 19:00		-1	626	236091
8/24/24 19:30		-1	626	236091
8/24/24 20:00		-1	626	236091
8/24/24 20:30		-1	626	236091
8/24/24 21:00		-1	625	236091
8/24/24 21:30		-1	626	236091
8/24/24 22:00		-1	626	236091
8/24/24 22:30		-1	626	236091
8/24/24 23:00		-1	626	236091
8/24/24 23:30		-1	626	236091
8/25/24 0:00		-1	626	236091
8/25/24 0:30		-1	625	236091
8/25/24 1:00		-1	625	236091
8/25/24 1:30		-1	625	236091
8/25/24 2:00		-1	625	236091
8/25/24 2:30		-1	625	236091
8/25/24 3:00		-1	625	236091
8/25/24 3:30		-1	625	236091
8/25/24 4:00		-1	625	236091
8/25/24 4:30		-1	625	236091
8/25/24 5:00		-1	625	236091
8/25/24 5:30		-1	625	236091
8/25/24 6:00		-1	625	236091
8/25/24 6:30		-1	625	236091
8/25/24 7:00		-1	624	236091
8/25/24 7:30		-1	624	236091
8/25/24 8:00		-1	624	236091
8/25/24 8:30		-1	624	236091
8/25/24 9:00		-1	624	236091
8/25/24 9:30		-1	625	236091
8/25/24 10:00		-1	624	236091
8/25/24 10:30		-1	624	236091
8/25/24 11:00		-1	624	236091
8/25/24 11:30		-1	624	236091
8/25/24 12:00		-1	624	236091

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
8/25/24 12:30		-1	624	236091
8/25/24 13:00		-1	624	236091
8/25/24 13:30		-1	624	236091
8/25/24 14:00		-1	624	236091
8/25/24 14:30		-1	624	236091
8/25/24 15:00		-1	624	236091
8/25/24 15:30		-1	624	236091
8/25/24 16:00		-1	623	236091
8/25/24 16:30		-1	623	236091
8/25/24 17:00		-1	623	236091
8/25/24 17:30		-1	623	236091
8/25/24 18:00		-1	623	236091
8/25/24 18:30		-1	623	236091
8/25/24 19:00		-1	623	236091
8/25/24 19:30		-1	623	236091
8/25/24 20:00		-1	623	236091
8/25/24 20:30		-1	623	236091
8/25/24 21:00		-1	623	236091
8/25/24 21:30		-1	623	236091
8/25/24 22:00		-1	623	236091
8/25/24 22:30		-1	623	236091
8/25/24 23:00		-1	623	236091
8/25/24 23:30		-1	622	236091
8/26/24 0:00		-1	622	236091
8/26/24 0:30		-1	622	236091
8/26/24 1:00		-1	622	236091
8/26/24 1:30		-1	622	236091
8/26/24 2:00		-1	622	236091
8/26/24 2:30		-1	622	236091
8/26/24 3:00		-1	622	236091
8/26/24 3:30		-1	622	236091
8/26/24 4:00		-1	622	236091
8/26/24 4:30		-1	622	236091
8/26/24 5:00		-1	622	236091
8/26/24 5:30		-1	622	236091
8/26/24 6:00		-1	622	236091
8/26/24 6:30		-1	622	236091
8/26/24 7:00		-1	622	236091
8/26/24 7:30		-1	621	236091
8/26/24 8:00		-1	621	236091
8/26/24 8:30		-1	621	236091
8/26/24 9:00		-1	621	236091
8/26/24 9:30		-1	621	236091
8/26/24 10:00		-1	621	236091
8/26/24 10:30		-1	621	236091
8/26/24 11:00		-1	621	236091
8/26/24 11:30		-1	621	236091
8/26/24 12:00		-1	621	236091
8/26/24 12:30		-1	621	236091
8/26/24 13:00		-1	621	236091
8/26/24 13:30		-1	621	236091
8/26/24 14:00		-1	621	236091
8/26/24 14:30		-1	621	236091
8/26/24 15:00		-1	621	236091
8/26/24 15:30		-1	621	236091
8/26/24 16:00		-1	621	236091
8/26/24 16:30		-1	621	236091
8/26/24 17:00		-1	621	236091
8/26/24 17:30		-1	620	236091
8/26/24 18:00		-1	620	236091
8/26/24 18:30		-1	620	236091
8/26/24 19:00		-1	620	236091

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
8/26/24 19:30		-1	620	236091
8/26/24 20:00		-1	620	236091
8/26/24 20:30		-1	620	236091
8/26/24 21:00		-1	620	236091
8/26/24 21:30		-1	619	236091
8/26/24 22:00		-1	619	236091
8/26/24 22:30		-1	619	236091
8/26/24 23:00		-1	620	236091
8/26/24 23:30		-1	620	236091
8/27/24 0:00		-1	620	236091
8/27/24 0:30		-1	619	236091
8/27/24 1:00		-1	619	236091
8/27/24 1:30		-1	619	236091
8/27/24 2:00		-1	619	236091
8/27/24 2:30		-1	619	236091
8/27/24 3:00		-1	619	236091
8/27/24 3:30		-1	619	236091
8/27/24 4:00		-1	619	236091
8/27/24 4:30		-1	619	236091
8/27/24 5:00		-1	619	236091
8/27/24 5:30		-1	619	236091
8/27/24 6:00		-1	619	236091
8/27/24 6:30		-1	619	236091
8/27/24 7:00		-1	619	236091
8/27/24 7:30		-1	619	236091
8/27/24 8:00		-1	619	236091
8/27/24 8:30		-1	618	236091
8/27/24 9:00		-1	618	236091
8/27/24 9:30		-1	618	236091
8/27/24 10:00		-1	619	236091
8/27/24 10:30		-1	619	236091
8/27/24 11:00		-1	619	236091
8/27/24 11:30		-1	618	236091
8/27/24 12:00		-1	618	236091
8/27/24 12:30		-1	618	236091
8/27/24 13:00		-1	618	236091
8/27/24 13:30		-1	618	236091
8/27/24 14:00		-1	618	236091
8/27/24 14:30		-1	618	236091
8/27/24 15:00		-1	618	236091
8/27/24 15:30		-1	618	236091
8/27/24 16:00		-1	618	236091
8/27/24 16:30		-1	618	236091
8/27/24 17:00		-1	618	236091
8/27/24 17:30		-1	618	236091
8/27/24 18:00		-1	617	236091
8/27/24 18:30		-1	617	236091
8/27/24 19:00		-1	617	236091
8/27/24 19:30		-1	617	236091
8/27/24 20:00		-1	617	236091
8/27/24 20:30		-1	617	236091
8/27/24 21:00		-1	617	236091
8/27/24 21:30		-1	617	236091
8/27/24 22:00		-1	617	236091
8/27/24 22:30		-1	617	236091
8/27/24 23:00		-1	617	236091
8/27/24 23:30		-1	617	236091
8/28/24 0:00		-1	617	236091
8/28/24 0:30		-1	617	236091
8/28/24 1:00		-1	617	236091
8/28/24 1:30		-1	617	236091
8/28/24 2:00		-1	617	236091

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
8/28/24 2:30		-1	616	236091
8/28/24 3:00		-1	616	236091
8/28/24 3:30		-1	616	236091
8/28/24 4:00		-1	616	236091
8/28/24 4:30		-1	616	236091
8/28/24 5:00		-1	616	236091
8/28/24 5:30		-1	616	236091
8/28/24 6:00		-1	616	236091
8/28/24 6:30		-1	616	236091
8/28/24 7:00		-1	616	236091
8/28/24 7:30		-1	616	236091
8/28/24 8:00		-1	616	236091
8/28/24 8:30		-1	616	236091
8/28/24 9:00		-1	616	236091
8/28/24 9:30		-1	616	236091
8/28/24 10:00		-1	616	236091
8/28/24 10:30		-1	616	236091
8/28/24 11:00		-1	616	236091
8/28/24 11:30		-1	616	236091
8/28/24 12:00		-1	616	236091
8/28/24 12:30		-1	616	236091
8/28/24 13:00		-1	615	236091
8/28/24 13:30		-1	615	236091
8/28/24 14:00		-1	615	236091
8/28/24 14:30		-1	615	236091
8/28/24 15:00		-1	615	236091
8/28/24 15:30		-1	615	236091
8/28/24 16:00		-1	615	236091
8/28/24 16:30		-1	615	236091
8/28/24 17:00		-1	615	236091
8/28/24 17:30		-1	614	236091
8/28/24 18:00		-1	614	236091
8/28/24 18:30		-1	614	236091
8/28/24 19:00		-1	614	236091
8/28/24 19:30		-1	614	236091
8/28/24 20:00		-1	614	236091
8/28/24 20:30		-1	614	236091
8/28/24 21:00		-1	614	236091
8/28/24 21:30		-1	614	236091
8/28/24 22:00		-1	614	236091
8/28/24 22:30		-1	614	236091
8/28/24 23:00		-1	614	236091
8/28/24 23:30		-1	614	236091
8/29/24 0:00		-1	614	236091
8/29/24 0:30		-1	614	236091
8/29/24 1:00		-1	614	236091
8/29/24 1:30		-1	614	236091
8/29/24 2:00		-1	614	236091
8/29/24 2:30		-1	614	236091
8/29/24 3:00		-1	614	236091
8/29/24 3:30		-1	614	236091
8/29/24 4:00		-1	614	236091
8/29/24 4:30		-1	613	236091
8/29/24 5:00		-1	613	236091
8/29/24 5:30		-1	613	236091
8/29/24 6:00		-1	613	236091
8/29/24 6:30		-1	613	236091
8/29/24 7:00		-1	613	236091
8/29/24 7:30		-1	613	236091
8/29/24 8:00		-1	613	236091
8/29/24 8:30		-1	613	236091
8/29/24 9:00		-1	613	236091



Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
8/29/24 9:30		-1	613	236091
8/29/24 10:00		-1	613	236091
8/29/24 10:30		-1	613	236091
8/29/24 11:00		-1	613	236091
8/29/24 11:30		-1	613	236091
8/29/24 12:00		-1	613	236091
8/29/24 12:30		-1	613	236091
8/29/24 13:00		-1	613	236091
8/29/24 13:30		-1	613	236091
8/29/24 14:00		-1	613	236091
8/29/24 14:30		-1	612	236091
8/29/24 15:00		-1	612	236091
8/29/24 15:30		-1	612	236091
8/29/24 16:00		-1	612	236091
8/29/24 16:30		-1	612	236091
8/29/24 17:00		-1	612	236091
8/29/24 17:30		-1	612	236091
8/29/24 18:00		-1	612	236091
8/29/24 18:30		-1	612	236091
8/29/24 19:00		-1	612	236091
8/29/24 19:30		-1	611	236091
8/29/24 20:00		-1	611	236091
8/29/24 20:30		-1	611	236091
8/29/24 21:00		-1	612	236091
8/29/24 21:30		-1	612	236091
8/29/24 22:00		-1	611	236091
8/29/24 22:30		-1	611	236091
8/29/24 23:00		-1	611	236091
8/29/24 23:30		-1	611	236091
8/30/24 0:00		-1	611	236091
8/30/24 0:30		-1	611	236091
8/30/24 1:00		-1	611	236091
8/30/24 1:30		-1	611	236091
8/30/24 2:00		-1	611	236091
8/30/24 2:30		-1	611	236091
8/30/24 3:00		-1	611	236091
8/30/24 3:30		-1	611	236091
8/30/24 4:00		-1	611	236091
8/30/24 4:30		-1	611	236091
8/30/24 5:00		-1	611	236091
8/30/24 5:30		-1	611	236091
8/30/24 6:00		-1	611	236091
8/30/24 6:30		-1	611	236091
8/30/24 7:00		-1	611	236091
8/30/24 7:30		-1	611	236091
8/30/24 8:00		-1	610	236091
8/30/24 8:30		-1	610	236091
8/30/24 9:00		-1	610	236091
8/30/24 9:30		-1	610	236091
8/30/24 10:00		-1	611	236091
8/30/24 10:30		-1	610	236091
8/30/24 11:00		-1	610	236091
8/30/24 11:30		-1	610	236091
8/30/24 12:00		-1	610	236091
8/30/24 12:30		-1	610	236091
8/30/24 13:00		-1	610	236091
8/30/24 13:30		-1	610	236091
8/30/24 14:00		-1	610	236091
8/30/24 14:30		-1	610	236091
8/30/24 15:00		-1	610	236091
8/30/24 15:30		-1	610	236091
8/30/24 16:00		-1	610	236091

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
8/30/24 16:30		-1	610	236091
8/30/24 17:00		-1	610	236091
8/30/24 17:30		-1	609	236091
8/30/24 18:00		-1	609	236091
8/30/24 18:30		-1	609	236091
8/30/24 19:00		-1	609	236091
8/30/24 19:30		-1	609	236091
8/30/24 20:00		-1	609	236091
8/30/24 20:30		-1	609	236091
8/30/24 21:00		-1	609	236091
8/30/24 21:30		-1	609	236091
8/30/24 22:00		-1	609	236091
8/30/24 22:30		-1	609	236091
8/30/24 23:00		-1	609	236091
8/30/24 23:30		-1	609	236091
8/31/24 0:00		-1	609	236091
8/31/24 0:30		-1	609	236091
8/31/24 1:00		-1	609	236091
8/31/24 1:30		-1	609	236091
8/31/24 2:00		-1	609	236091
8/31/24 2:30		-1	609	236091
8/31/24 3:00		-1	609	236091
8/31/24 3:30		-1	608	236091
8/31/24 4:00		-1	608	236091
8/31/24 4:30		-1	608	236091
8/31/24 5:00		-1	608	236091
8/31/24 5:30		-1	608	236091
8/31/24 6:00		-1	608	236091
8/31/24 6:30		-1	608	236091
8/31/24 7:00		-1	608	236091
8/31/24 7:30		-1	608	236091
8/31/24 8:00		-1	608	236091
8/31/24 8:30		-1	608	236091
8/31/24 9:00		-1	608	236091
8/31/24 9:30		-1	608	236091
8/31/24 10:00		-1	608	236091
8/31/24 10:30		-1	608	236091
8/31/24 11:00		-1	608	236091
8/31/24 11:30		-1	608	236091
8/31/24 12:00		-1	608	236091
8/31/24 12:30		-1	608	236091
8/31/24 13:00		-1	608	236091
8/31/24 13:30		-1	607	236091
8/31/24 14:00		-1	607	236091
8/31/24 14:30		-1	607	236091
8/31/24 15:00		-1	607	236091
8/31/24 15:30		-1	607	236091
8/31/24 16:00		-1	607	236091
8/31/24 16:30		-1	607	236091
8/31/24 17:00		-1	607	236091
8/31/24 17:30		-1	607	236091
8/31/24 18:00		-1	607	236091
8/31/24 18:30		-1	607	236091
8/31/24 19:00		-1	607	236091
8/31/24 19:30		-1	606	236091
8/31/24 20:00		-1	606	236091
8/31/24 20:30		-1	606	236091
8/31/24 21:00		-1	606	236091
8/31/24 21:30		-1	606	236091
8/31/24 22:00		-1	606	236091
8/31/24 22:30		-1	606	236091
8/31/24 23:00		-1	606	236091

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
8/31/24 23:30		-1	606	236091
9/1/24 0:00		-1	606	236091
9/1/24 0:30		-1	606	236091
9/1/24 1:00		-1	606	236091
9/1/24 1:30		-1	606	236091
9/1/24 2:00		-1	606	236091
9/1/24 2:30		-1	606	236091
9/1/24 3:00		-1	606	236091
9/1/24 3:30		-1	606	236091
9/1/24 4:00		-1	606	236091
9/1/24 4:30		-1	606	236091
9/1/24 5:00		-1	606	236091
9/1/24 5:30		-1	606	236091
9/1/24 6:00		-1	606	236091
9/1/24 6:30		-1	606	236091
9/1/24 7:00		-1	606	236091
9/1/24 7:30		-1	605	236091
9/1/24 8:00		-1	605	236091
9/1/24 8:30		-1	605	236091
9/1/24 9:00		-1	605	236091
9/1/24 9:30		-1	605	236091
9/1/24 10:00		-1	606	236091
9/1/24 10:30		-1	605	236091
9/1/24 11:00		-1	605	236091
9/1/24 11:30		-1	605	236091
9/1/24 12:00		-1	605	236091
9/1/24 12:30		-1	605	236091
9/1/24 13:00		-1	605	236091
9/1/24 13:30		-1	605	236091
9/1/24 14:00		-1	605	236091
9/1/24 14:30		-1	605	236091
9/1/24 15:00		-1	605	236091
9/1/24 15:30		-1	605	236091
9/1/24 16:00		-1	605	236091
9/1/24 16:30		-1	604	236091
9/1/24 17:00		-1	604	236091
9/1/24 17:30		-1	605	236091
9/1/24 18:00		-1	604	236091
9/1/24 18:30		-1	604	236091
9/1/24 19:00		-1	604	236091
9/1/24 19:30		-1	604	236091
9/1/24 20:00		-1	604	236091
9/1/24 20:30		-1	604	236091
9/1/24 21:00		-1	604	236091
9/1/24 21:30		-1	604	236091
9/1/24 22:00		-1	604	236091
9/1/24 22:30		-1	604	236091
9/1/24 23:00		-1	604	236091
9/1/24 23:30		-1	604	236091
9/2/24 0:00		-1	604	236091
9/2/24 0:30		-1	604	236091
9/2/24 1:00		-1	604	236091
9/2/24 1:30		-1	604	236091
9/2/24 2:00		-1	604	236091
9/2/24 2:30		-1	604	236091
9/2/24 3:00		-1	603	236091
9/2/24 3:30		-1	603	236091
9/2/24 4:00		-1	603	236091
9/2/24 4:30		-1	603	236091
9/2/24 5:00		-1	603	236091
9/2/24 5:30		-1	603	236091
9/2/24 6:00		-1	603	236091

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
9/2/24 6:30		-1	603	236091
9/2/24 7:00		-1	603	236091
9/2/24 7:30		-1	603	236091
9/2/24 8:00		-1	603	236091
9/2/24 8:30		-1	603	236091
9/2/24 9:00		-1	603	236091
9/2/24 9:30		-1	603	236091
9/2/24 10:00		-1	603	236091
9/2/24 10:30		-1	603	236091
9/2/24 11:00		-1	603	236091
9/2/24 11:30		-1	603	236091
9/2/24 12:00		-1	603	236091
9/2/24 12:30		-1	603	236091
9/2/24 13:00		-1	603	236091
9/2/24 13:30		-1	603	236091
9/2/24 14:00		-1	603	236091
9/2/24 14:30		-1	603	236091
9/2/24 15:00		-1	602	236091
9/2/24 15:30		-1	602	236091
9/2/24 16:00		-1	602	236091
9/2/24 16:30		-1	602	236091
9/2/24 17:00		-1	602	236091
9/2/24 17:30		-1	602	236091
9/2/24 18:00		-1	602	236091
9/2/24 18:30		-1	602	236091
9/2/24 19:00		-1	602	236091
9/2/24 19:30		-1	602	236091
9/2/24 20:00		-1	602	236091
9/2/24 20:30		-1	602	236091
9/2/24 21:00		-1	602	236091
9/2/24 21:30		-1	601	236091
9/2/24 22:00		-1	601	236091
9/2/24 22:30		-1	601	236091
9/2/24 23:00		-1	602	236091
9/2/24 23:30		-1	602	236091
9/3/24 0:00		-1	602	236091
9/3/24 0:30		-1	602	236091
9/3/24 1:00		-1	601	236091
9/3/24 1:30		-1	601	236091
9/3/24 2:00		-1	601	236091
9/3/24 2:30		-1	601	236091
9/3/24 3:00		-1	601	236091
9/3/24 3:30		-1	601	236091
9/3/24 4:00		-1	601	236091
9/3/24 4:30		-1	601	236091
9/3/24 5:00		-1	601	236091
9/3/24 5:30		-1	601	236091
9/3/24 6:00		-1	601	236091
9/3/24 6:30		-1	601	236091
9/3/24 7:00		-1	601	236091
9/3/24 7:30		-1	601	236091
9/3/24 8:00		-1	601	236091
9/3/24 8:30		-1	601	236091
9/3/24 9:00		-1	601	236091
9/3/24 9:30		-1	601	236091
9/3/24 10:00		-1	601	236091
9/3/24 10:30		-1	601	236091
9/3/24 11:00		-1	601	236091
9/3/24 11:30		-1	601	236091
9/3/24 12:00		-1	601	236091
9/3/24 12:30		-1	601	236091
9/3/24 13:00		-1	601	236091

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
9/3/24 13:30		-1	600	236091
9/3/24 14:00		-1	600	236091
9/3/24 14:30		-1	600	236091
9/3/24 15:00		-1	600	236091
9/3/24 15:30		-1	600	236091
9/3/24 16:00		-1	600	236091
9/3/24 16:30		-1	600	236091
9/3/24 17:00		-1	600	236091
9/3/24 17:30		-1	600	236091
9/3/24 18:00		-1	600	236091
9/3/24 18:30		-1	600	236091
9/3/24 19:00		-1	600	236091
9/3/24 19:30		-1	600	236091
9/3/24 20:00		-1	599	236091
9/3/24 20:30		-1	599	236091
9/3/24 21:00		-1	599	236091
9/3/24 21:30		-1	599	236091
9/3/24 22:00		-1	599	236091
9/3/24 22:30		-1	599	236091
9/3/24 23:00		-1	599	236091
9/3/24 23:30		-1	599	236091
9/4/24 0:00		-1	599	236091
9/4/24 0:30		-1	599	236091
9/4/24 1:00		-1	599	236091
9/4/24 1:30		-1	599	236091
9/4/24 2:00		-1	599	236091
9/4/24 2:30		-1	599	236091
9/4/24 3:00		-1	599	236091
9/4/24 3:30		-1	599	236091
9/4/24 4:00		-1	599	236091
9/4/24 4:30		-1	599	236091
9/4/24 5:00		-1	599	236091
9/4/24 5:30		-1	599	236091
9/4/24 6:00		-1	599	236091
9/4/24 6:30		-1	599	236091
9/4/24 7:00		-1	599	236091
9/4/24 7:30		-1	599	236091
9/4/24 8:00		-1	598	236091
9/4/24 8:30		-1	598	236091
9/4/24 9:00		-1	598	236091
9/4/24 9:30		-1	599	236091
9/4/24 10:00		-1	599	236091
9/4/24 10:30		-1	599	236091
9/4/24 11:00		-1	599	236091
9/4/24 11:30		-1	599	236091
9/4/24 12:00		-1	598	236091
9/4/24 12:30		-1	598	236091
9/4/24 13:00		-1	598	236091
9/4/24 13:30		-1	598	236091
9/4/24 14:00		-1	598	236091
9/4/24 14:30		-1	598	236091
9/4/24 15:00		-1	598	236091
9/4/24 15:30		-1	598	236091
9/4/24 16:00		-1	598	236091
9/4/24 16:30		-1	598	236091
9/4/24 17:00		-1	598	236091
9/4/24 17:30		-1	598	236091
9/4/24 18:00		-1	597	236091
9/4/24 18:30		-1	598	236091
9/4/24 19:00		-1	597	236091
9/4/24 19:30		-1	597	236091
9/4/24 20:00		-1	597	236091

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
9/4/24 20:30		-1	597	236091
9/4/24 21:00		-1	597	236091
9/4/24 21:30		-1	597	236091
9/4/24 22:00		-1	597	236091
9/4/24 22:30		-1	597	236091
9/4/24 23:00		-1	597	236091
9/4/24 23:30		-1	597	236091
9/5/24 0:00		-1	597	236091
9/5/24 0:30		-1	597	236091
9/5/24 1:00		-1	597	236091
9/5/24 1:30		-1	597	236091
9/5/24 2:00		-1	597	236091
9/5/24 2:30		-1	597	236091
9/5/24 3:00		-1	597	236091
9/5/24 3:30		-1	597	236091
9/5/24 4:00		-1	597	236091
9/5/24 4:30		-1	597	236091
9/5/24 5:00		-1	597	236091
9/5/24 5:30		-1	596	236091
9/5/24 6:00		-1	597	236091
9/5/24 6:30		-1	596	236091
9/5/24 7:00		-1	596	236091
9/5/24 7:30		-1	596	236091
9/5/24 8:00		-1	596	236091
9/5/24 8:30		-1	596	236091
9/5/24 9:00		-1	596	236091
9/5/24 9:30		-1	596	236091
9/5/24 10:00		-1	597	236091
9/5/24 10:30		-1	597	236091
9/5/24 11:00		-1	596	236091
9/5/24 11:30		-1	596	236091
9/5/24 12:00		-1	596	236091
9/5/24 12:30		-1	596	236091
9/5/24 13:00		-1	596	236091
9/5/24 13:30		-1	596	236091
9/5/24 14:00		-1	596	236091
9/5/24 14:30		-1	596	236091
9/5/24 15:00		-1	596	236091
9/5/24 15:30		-1	596	236091
9/5/24 16:00		-1	596	236091
9/5/24 16:30		-1	595	236091
9/5/24 17:00		-1	595	236091
9/5/24 17:30		-1	595	236091
9/5/24 18:00		-1	595	236091
9/5/24 18:30		-1	595	236091
9/5/24 19:00		-1	595	236091
9/5/24 19:30		-1	595	236091
9/5/24 20:00		-1	595	236091
9/5/24 20:30		-1	595	236091
9/5/24 21:00		-1	595	236091
9/5/24 21:30		-1	595	236091
9/5/24 22:00		-1	595	236091
9/5/24 22:30		-1	595	236091
9/5/24 23:00		-1	595	236091
9/5/24 23:30		-1	595	236091
9/6/24 0:00		-1	595	236091
9/6/24 0:30		-1	595	236091
9/6/24 1:00		-1	595	236091
9/6/24 1:30		-1	595	236091
9/6/24 2:00		-1	595	236091
9/6/24 2:30		-1	595	236091
9/6/24 3:00		-1	595	236091

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
9/6/24 3:30		-1	595	236091
9/6/24 4:00		-1	595	236091
9/6/24 4:30		-1	594	236091
9/6/24 5:00		-1	594	236091
9/6/24 5:30		-1	594	236091
9/6/24 6:00		-1	594	236091
9/6/24 6:30		-1	594	236091
9/6/24 7:00		-1	594	236091
9/6/24 7:30		-1	594	236091
9/6/24 8:00		-1	594	236091
9/6/24 8:30		-1	594	236091
9/6/24 9:00		-1	594	236091
9/6/24 9:30		-1	594	236091
9/6/24 10:00		-1	594	236091
9/6/24 10:30		-1	594	236091
9/6/24 11:00		-1	594	236091
9/6/24 11:30		-1	594	236091
9/6/24 12:00		-1	594	236091
9/6/24 12:30		-1	594	236091
9/6/24 13:00		-1	594	236091
9/6/24 13:30		-1	594	236091
9/6/24 14:00		-1	594	236091
9/6/24 14:30		-1	594	236091
9/6/24 15:00		-1	594	236091
9/6/24 15:30		-1	594	236091
9/6/24 16:00		-1	593	236091
9/6/24 16:30		-1	593	236091
9/6/24 17:00		-1	593	236091
9/6/24 17:30		-1	593	236091
9/6/24 18:00		-1	593	236091
9/6/24 18:30		-1	593	236091
9/6/24 19:00		-1	593	236091
9/6/24 19:30		-1	593	236091
9/6/24 20:00		-1	593	236091
9/6/24 20:30		-1	593	236091
9/6/24 21:00		-1	593	236091
9/6/24 21:30		-1	593	236091
9/6/24 22:00		-1	593	236091
9/6/24 22:30		-1	593	236091
9/6/24 23:00		-1	593	236091
9/6/24 23:30		-1	593	236091
9/7/24 0:00		-1	593	236091
9/7/24 0:30		-1	593	236091
9/7/24 1:00		-1	593	236091
9/7/24 1:30		-1	593	236091
9/7/24 2:00		-1	593	236091
9/7/24 2:30		-1	592	236091
9/7/24 3:00		-1	593	236091
9/7/24 3:30		-1	592	236091
9/7/24 4:00		-1	592	236091
9/7/24 4:30		-1	592	236091
9/7/24 5:00		-1	592	236091
9/7/24 5:30		-1	592	236091
9/7/24 6:00		-1	592	236091
9/7/24 6:30		-1	592	236091
9/7/24 7:00		-1	592	236091
9/7/24 7:30		-1	592	236091
9/7/24 8:00		-1	592	236091
9/7/24 8:30		-1	592	236091
9/7/24 9:00		-1	592	236091
9/7/24 9:30		-1	592	236091
9/7/24 10:00		-1	592	236091

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
9/7/24 10:30		-1	592	236091
9/7/24 11:00		-1	592	236091
9/7/24 11:30		-1	592	236091
9/7/24 12:00		-1	592	236091
9/7/24 12:30		-1	592	236091
9/7/24 13:00		-1	592	236091
9/7/24 13:30		-1	592	236091
9/7/24 14:00		-1	592	236091
9/7/24 14:30		-1	592	236091
9/7/24 15:00		-1	592	236091
9/7/24 15:30		-1	591	236091
9/7/24 16:00		-1	591	236091
9/7/24 16:30		-1	591	236091
9/7/24 17:00		-1	591	236091
9/7/24 17:30		-1	591	236091
9/7/24 18:00		-1	591	236091
9/7/24 18:30		-1	591	236091
9/7/24 19:00		-1	591	236091
9/7/24 19:30		-1	591	236091
9/7/24 20:00		-1	591	236091
9/7/24 20:30		-1	591	236091
9/7/24 21:00		-1	591	236091
9/7/24 21:30		-1	590	236091
9/7/24 22:00		-1	591	236091
9/7/24 22:30		-1	591	236091
9/7/24 23:00		-1	591	236091
9/7/24 23:30		-1	591	236091
9/8/24 0:00		-1	591	236091
9/8/24 0:30		-1	591	236091
9/8/24 1:00		-1	591	236091
9/8/24 1:30		-1	591	236091
9/8/24 2:00		-1	591	236091
9/8/24 2:30		-1	591	236091
9/8/24 3:00		-1	591	236091
9/8/24 3:30		-1	590	236091
9/8/24 4:00		-1	590	236091
9/8/24 4:30		-1	590	236091
9/8/24 5:00		-1	590	236091
9/8/24 5:30		-1	590	236091
9/8/24 6:00		-1	590	236091
9/8/24 6:30		-1	590	236091
9/8/24 7:00		-1	590	236091
9/8/24 7:30		-1	590	236091
9/8/24 8:00		-1	590	236091
9/8/24 8:30		-1	590	236091
9/8/24 9:00		-1	590	236091
9/8/24 9:30		-1	590	236091
9/8/24 10:00		-1	590	236091
9/8/24 10:30		-1	590	236091
9/8/24 11:00		-1	590	236091
9/8/24 11:30		-1	590	236091
9/8/24 12:00		-1	590	236091
9/8/24 12:30		-1	590	236091
9/8/24 13:00		-1	590	236091
9/8/24 13:30		-1	590	236091
9/8/24 14:00		-1	590	236091
9/8/24 14:30		-1	589	236091
9/8/24 15:00		-1	589	236091
9/8/24 15:30		-1	589	236091
9/8/24 16:00		-1	590	236091
9/8/24 16:30		-1	590	236091
9/8/24 17:00		-1	590	236091



Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
9/8/24 17:30		-1	589	236091
9/8/24 18:00		-1	589	236091
9/8/24 18:30		-1	589	236091
9/8/24 19:00		-1	589	236091
9/8/24 19:30		-1	589	236091
9/8/24 20:00		-1	589	236091
9/8/24 20:30		-1	589	236091
9/8/24 21:00		-1	589	236091
9/8/24 21:30		-1	589	236091
9/8/24 22:00		-1	589	236091
9/8/24 22:30		-1	589	236091
9/8/24 23:00		-1	589	236091
9/8/24 23:30		-1	589	236091
9/9/24 0:00		-1	589	236091
9/9/24 0:30		-1	589	236091
9/9/24 1:00		-1	589	236091
9/9/24 1:30		-1	589	236091
9/9/24 2:00		-1	589	236091
9/9/24 2:30		-1	589	236091
9/9/24 3:00		-1	589	236091
9/9/24 3:30		-1	588	236091
9/9/24 4:00		-1	588	236091
9/9/24 4:30		-1	588	236091
9/9/24 5:00		-1	588	236091
9/9/24 5:30		-1	588	236091
9/9/24 6:00		-1	588	236091
9/9/24 6:30		-1	588	236091
9/9/24 7:00		-1	588	236091
9/9/24 7:30		-1	588	236091
9/9/24 8:00		-1	588	236091
9/9/24 8:30		-1	588	236091
9/9/24 9:00		-1	588	236091
9/9/24 9:30		-1	588	236091
9/9/24 10:00		-1	588	236091
9/9/24 10:30		-1	588	236091
9/9/24 11:00		-1	588	236091
9/9/24 11:30		-1	588	236091
9/9/24 12:00		-1	588	236091
9/9/24 12:30		-1	588	236091
9/9/24 13:00		-1	588	236091
9/9/24 13:30		-1	588	236091
9/9/24 14:00		-1	588	236091
9/9/24 14:30		-1	588	236091
9/9/24 15:00		-1	588	236091
9/9/24 15:30		-1	588	236091
9/9/24 16:00		-1	588	236091
9/9/24 16:30		-1	588	236091
9/9/24 17:00		-1	587	236091
9/9/24 17:30		-1	587	236091
9/9/24 18:00		-1	587	236091
9/9/24 18:30		-1	587	236091
9/9/24 19:00		-1	587	236091
9/9/24 19:30		-1	587	236091
9/9/24 20:00		-1	587	236091
9/9/24 20:30		-1	587	236091
9/9/24 21:00		-1	587	236091
9/9/24 21:30		-1	587	236091
9/9/24 22:00		-1	587	236091
9/9/24 22:30		-1	587	236091
9/9/24 23:00		-1	587	236091
9/9/24 23:30		-1	587	236091
9/10/24 0:00		-1	587	236091

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
9/10/24 0:30		-1	587	236091
9/10/24 1:00		-1	587	236091
9/10/24 1:30		-1	587	236091
9/10/24 2:00		-1	587	236091
9/10/24 2:30		-1	587	236091
9/10/24 3:00		-1	587	236091
9/10/24 3:30		-1	587	236091
9/10/24 4:00		-1	587	236091
9/10/24 4:30		-1	586	236091
9/10/24 5:00		-1	587	236091
9/10/24 5:30		-1	586	236091
9/10/24 6:00		-1	586	236091
9/10/24 6:30		-1	586	236091
9/10/24 7:00		-1	586	236091
9/10/24 7:30		-1	586	236091
9/10/24 8:00		-1	586	236091
9/10/24 8:30		-1	586	236091
9/10/24 9:00		-1	586	236091
9/10/24 9:30		-1	586	236091
9/10/24 10:00		-1	586	236091
9/10/24 10:30		-1	586	236091
9/10/24 11:00		-1	586	236091
9/10/24 11:30		-1	586	236091
9/10/24 12:00		-1	586	236091
9/10/24 12:30		-1	586	236091
9/10/24 13:00		-1	586	236091
9/10/24 13:30		-1	586	236091
9/10/24 14:00		-1	586	236091
9/10/24 14:30		-1	586	236091
9/10/24 15:00		-1	586	236091
9/10/24 15:30		-1	586	236091
9/10/24 16:00		-1	586	236091
9/10/24 16:30		-1	585	236091
9/10/24 17:00		-1	586	236091
9/10/24 17:30		-1	585	236091
9/10/24 18:00		-1	585	236091
9/10/24 18:30		-1	585	236091
9/10/24 19:00		-1	585	236091
9/10/24 19:30		-1	585	236091
9/10/24 20:00		-1	585	236091
9/10/24 20:30		-1	585	236091
9/10/24 21:00		-1	585	236091
9/10/24 21:30		-1	585	236091
9/10/24 22:00		-1	585	236091
9/10/24 22:30		-1	585	236091
9/10/24 23:00		-1	585	236091
9/10/24 23:30		-1	585	236091
9/11/24 0:00		-1	585	236091
9/11/24 0:30		-1	585	236091
9/11/24 1:00		-1	585	236091
9/11/24 1:30		-1	585	236091
9/11/24 2:00		-1	585	236091
9/11/24 2:30		-1	585	236091
9/11/24 3:00		-1	585	236091
9/11/24 3:30		-1	585	236091
9/11/24 4:00		-1	585	236091
9/11/24 4:30		-1	585	236091
9/11/24 5:00		-1	585	236091
9/11/24 5:30		-1	585	236091
9/11/24 6:00		-1	585	236091
9/11/24 6:30		-1	585	236091
9/11/24 7:00		-1	584	236091

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
9/11/24 7:30		-1	584	236091
9/11/24 8:00		-1	584	236091
9/11/24 8:30		-1	584	236091
9/11/24 9:00		-1	584	236091
9/11/24 9:30		-1	584	236091
9/11/24 10:00		-1	667	236091
9/11/24 10:30		-2	791	236091
9/11/24 11:00		-1	836	236091
9/11/24 11:30		-1	864	236091
9/11/24 12:00		-1	885	236091
9/11/24 12:30		-1	905	236091
9/11/24 13:00	26	-1	918	236121
9/11/24 13:30	26	-1	933	236151
9/11/24 14:00	26	-1	945	236181
9/11/24 14:30	25	-1	955	236211
9/11/24 15:00	26	-1	963	236241
9/11/24 15:30	25	-1	971	236271
9/11/24 16:00	26	-1	980	236301
9/11/24 16:30	25	-1	987	236331
9/11/24 17:00	26	-1	993	236361
9/11/24 17:30		-1	993	236374
9/11/24 18:00		-1	796	236374
9/11/24 18:30		-1	752	236374
9/11/24 19:00		-1	727	236374
9/11/24 19:30		-1	709	236374
9/11/24 20:00		-1	696	236374
9/11/24 20:30		-1	686	236374
9/11/24 21:00		-1	678	236374
9/11/24 21:30		-1	672	236374
9/11/24 22:00		-1	666	236374
9/11/24 22:30		-1	661	236374
9/11/24 23:00		-1	657	236374
9/11/24 23:30		-1	654	236374
9/12/24 0:00		-1	651	236374
9/12/24 0:30		-1	648	236374
9/12/24 1:00		-1	645	236374
9/12/24 1:30		-1	643	236374
9/12/24 2:00		-1	641	236374
9/12/24 2:30		-1	639	236374
9/12/24 3:00		-1	637	236374
9/12/24 3:30		-1	635	236374
9/12/24 4:00		-1	634	236374
9/12/24 4:30		-1	632	236374
9/12/24 5:00		-1	631	236374
9/12/24 5:30		-1	630	236374
9/12/24 6:00		-1	628	236374
9/12/24 6:30		-1	627	236374
9/12/24 7:00		-1	626	236374
9/12/24 7:30		-1	625	236374
9/12/24 8:00		-1	624	236374
9/12/24 8:30		-1	623	236374
9/12/24 9:00		-1	623	236374
9/12/24 9:30		-1	622	236374
9/12/24 10:00		-1	621	236374
9/12/24 10:30		-1	621	236374
9/12/24 11:00		-1	620	236374
9/12/24 11:30		-1	619	236374
9/12/24 12:00		-1	619	236374
9/12/24 12:30		-1	618	236374
9/12/24 13:00		-1	617	236374
9/12/24 13:30		-1	616	236374
9/12/24 14:00		-1	616	236374

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
9/12/24 14:30		-1	615	236374
9/12/24 15:00		-1	615	236374
9/12/24 15:30		-1	614	236374
9/12/24 16:00		-1	614	236374
9/12/24 16:30		-1	613	236374
9/12/24 17:00		-1	613	236374
9/12/24 17:30		-1	612	236374
9/12/24 18:00		-1	612	236374
9/12/24 18:30		-1	612	236374
9/12/24 19:00		-1	611	236374
9/12/24 19:30		-1	611	236374
9/12/24 20:00		-1	610	236374
9/12/24 20:30		-1	610	236374
9/12/24 21:00		-1	609	236374
9/12/24 21:30		-1	609	236374
9/12/24 22:00		-1	609	236374
9/12/24 22:30		-1	609	236374
9/12/24 23:00		-1	608	236374
9/12/24 23:30		-1	608	236374
9/13/24 0:00		-1	608	236374
9/13/24 0:30		-1	607	236374
9/13/24 1:00		-1	607	236374
9/13/24 1:30		-1	607	236374
9/13/24 2:00		-1	607	236374
9/13/24 2:30		-1	606	236374
9/13/24 3:00		-1	606	236374
9/13/24 3:30		-1	606	236374
9/13/24 4:00		-1	606	236374
9/13/24 4:30		-1	605	236374
9/13/24 5:00		-1	605	236374
9/13/24 5:30		-1	605	236374
9/13/24 6:00		-1	604	236374
9/13/24 6:30		-1	604	236374
9/13/24 7:00		-1	604	236374
9/13/24 7:30		-1	604	236374
9/13/24 8:00		-1	604	236374
9/13/24 8:30		-1	603	236374
9/13/24 9:00		-1	603	236374
9/13/24 9:30		-1	603	236374
9/13/24 10:00		-1	603	236374
9/13/24 10:30		-1	603	236374
9/13/24 11:00		-1	603	236374
9/13/24 11:30		-1	602	236374
9/13/24 12:00		-1	602	236374
9/13/24 12:30		-1	602	236374
9/13/24 13:00		-1	602	236374
9/13/24 13:30		-1	601	236374
9/13/24 14:00		-1	601	236374
9/13/24 14:30		-1	601	236374
9/13/24 15:00		-1	601	236374
9/13/24 15:30		-1	601	236374
9/13/24 16:00		-1	600	236374
9/13/24 16:30		-1	600	236374
9/13/24 17:00		-1	600	236374
9/13/24 17:30		-1	600	236374
9/13/24 18:00		-1	600	236374
9/13/24 18:30		-1	600	236374
9/13/24 19:00		-1	599	236374
9/13/24 19:30		-1	599	236374
9/13/24 20:00		-1	599	236374
9/13/24 20:30		-1	599	236374
9/13/24 21:00		-1	599	236374

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
9/13/24 21:30		-1	598	236374
9/13/24 22:00		-1	598	236374
9/13/24 22:30		-1	598	236374
9/13/24 23:00		-1	598	236374
9/13/24 23:30		-1	598	236374
9/14/24 0:00		-1	598	236374
9/14/24 0:30		-1	598	236374
9/14/24 1:00		-1	598	236374
9/14/24 1:30		-1	598	236374
9/14/24 2:00		-1	597	236374
9/14/24 2:30		-1	597	236374
9/14/24 3:00		-1	597	236374
9/14/24 3:30		-1	597	236374
9/14/24 4:00		-1	597	236374
9/14/24 4:30		-1	597	236374
9/14/24 5:00		-1	597	236374
9/14/24 5:30		-1	597	236374
9/14/24 6:00		-1	596	236374
9/14/24 6:30		-1	596	236374
9/14/24 7:00		-1	596	236374
9/14/24 7:30		-1	596	236374
9/14/24 8:00		-1	596	236374
9/14/24 8:30		-1	596	236374
9/14/24 9:00		-1	596	236374
9/14/24 9:30		-1	596	236374
9/14/24 10:00		-1	596	236374
9/14/24 10:30		-1	596	236374
9/14/24 11:00		-1	596	236374
9/14/24 11:30		-1	595	236374
9/14/24 12:00		-1	595	236374
9/14/24 12:30		-1	595	236374
9/14/24 13:00		-1	595	236374
9/14/24 13:30		-1	595	236374
9/14/24 14:00		-1	595	236374
9/14/24 14:30		-1	595	236374
9/14/24 15:00		-1	594	236374
9/14/24 15:30		-1	594	236374
9/14/24 16:00		-1	594	236374
9/14/24 16:30		-1	594	236374
9/14/24 17:00		-1	594	236374
9/14/24 17:30		-1	594	236374
9/14/24 18:00		-1	594	236374
9/14/24 18:30		-1	594	236374
9/14/24 19:00		-1	594	236374
9/14/24 19:30		-1	593	236374
9/14/24 20:00		-1	593	236374
9/14/24 20:30		-1	593	236374
9/14/24 21:00		-1	593	236374
9/14/24 21:30		-1	593	236374
9/14/24 22:00		-1	593	236374
9/14/24 22:30		-1	593	236374
9/14/24 23:00		-1	593	236374
9/14/24 23:30		-1	593	236374
9/15/24 0:00		-1	593	236374
9/15/24 0:30		-1	592	236374
9/15/24 1:00		-1	592	236374
9/15/24 1:30		-1	592	236374
9/15/24 2:00		-1	592	236374
9/15/24 2:30		-1	592	236374
9/15/24 3:00		-1	592	236374
9/15/24 3:30		-1	592	236374
9/15/24 4:00		-1	592	236374

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
9/15/24 4:30		-1	592	236374
9/15/24 5:00		-1	592	236374
9/15/24 5:30		-1	592	236374
9/15/24 6:00		-1	592	236374
9/15/24 6:30		-1	592	236374
9/15/24 7:00		-1	591	236374
9/15/24 7:30		-1	591	236374
9/15/24 8:00		-1	591	236374
9/15/24 8:30		-1	591	236374
9/15/24 9:00		-1	591	236374
9/15/24 9:30		-1	591	236374
9/15/24 10:00		-1	591	236374
9/15/24 10:30		-1	591	236374
9/15/24 11:00		-1	591	236374
9/15/24 11:30		-1	591	236374
9/15/24 12:00		-1	591	236374
9/15/24 12:30		-1	591	236374
9/15/24 13:00		-1	590	236374
9/15/24 13:30		-1	590	236374
9/15/24 14:00		-1	591	236374
9/15/24 14:30		-1	590	236374
9/15/24 15:00		-1	590	236374
9/15/24 15:30		-1	590	236374
9/15/24 16:00		-1	590	236374
9/15/24 16:30		-1	590	236374
9/15/24 17:00		-1	590	236374
9/15/24 17:30		-1	590	236374
9/15/24 18:00		-1	590	236374
9/15/24 18:30		-1	589	236374
9/15/24 19:00		-1	589	236374
9/15/24 19:30		-1	589	236374
9/15/24 20:00		-1	589	236374
9/15/24 20:30		-1	589	236374
9/15/24 21:00		-1	589	236374
9/15/24 21:30		-1	589	236374
9/15/24 22:00		-1	589	236374
9/15/24 22:30		-1	589	236374
9/15/24 23:00		-1	589	236374
9/15/24 23:30		-1	589	236374
9/16/24 0:00		-1	589	236374
9/16/24 0:30		-1	589	236374
9/16/24 1:00		-1	589	236374
9/16/24 1:30		-1	589	236374
9/16/24 2:00		-1	589	236374
9/16/24 2:30		-1	588	236374
9/16/24 3:00		-1	588	236374
9/16/24 3:30		-1	588	236374
9/16/24 4:00		-1	588	236374
9/16/24 4:30		-1	588	236374
9/16/24 5:00		-1	588	236374
9/16/24 5:30		-1	588	236374
9/16/24 6:00		-1	588	236374
9/16/24 6:30		-1	588	236374
9/16/24 7:00		-1	588	236374
9/16/24 7:30		-1	588	236374
9/16/24 8:00		-1	588	236374
9/16/24 8:30		-1	588	236374
9/16/24 9:00		-1	587	236374
9/16/24 9:30		-1	587	236374
9/16/24 10:00		-1	587	236374
9/16/24 10:30		-1	587	236374
9/16/24 11:00		-1	587	236374

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
9/16/24 11:30		-1	587	236374
9/16/24 12:00		-1	587	236374
9/16/24 12:30		-1	587	236374
9/16/24 13:00		-1	587	236374
9/16/24 13:30		-1	587	236374
9/16/24 14:00		-1	587	236374
9/16/24 14:30		-1	587	236374
9/16/24 15:00		-1	587	236374
9/16/24 15:30		-1	587	236374
9/16/24 16:00		-1	587	236374
9/16/24 16:30		-1	587	236374
9/16/24 17:00		-1	586	236374
9/16/24 17:30		-1	586	236374
9/16/24 18:00		-1	586	236374
9/16/24 18:30		-1	586	236374
9/16/24 19:00		-1	586	236374
9/16/24 19:30		-1	586	236374
9/16/24 20:00		-1	586	236374
9/16/24 20:30		-1	586	236374
9/16/24 21:00		-1	586	236374
9/16/24 21:30		-1	586	236374
9/16/24 22:00		-1	586	236374
9/16/24 22:30		-1	586	236374
9/16/24 23:00		-1	586	236374
9/16/24 23:30		-1	586	236374
9/17/24 0:00		-1	586	236374
9/17/24 0:30		-1	586	236374
9/17/24 1:00		-1	585	236374
9/17/24 1:30		-1	585	236374
9/17/24 2:00		-1	585	236374
9/17/24 2:30		-1	585	236374
9/17/24 3:00		-1	585	236374
9/17/24 3:30		-1	585	236374
9/17/24 4:00		-1	585	236374
9/17/24 4:30		-1	585	236374
9/17/24 5:00		-1	585	236374
9/17/24 5:30		-1	585	236374
9/17/24 6:00		-1	585	236374
9/17/24 6:30		-1	585	236374
9/17/24 7:00		-1	585	236374
9/17/24 7:30		-1	585	236374
9/17/24 8:00		-1	585	236374
9/17/24 8:30		-1	585	236374
9/17/24 9:00		-1	585	236374
9/17/24 9:30		-1	585	236374
9/17/24 10:00		-1	585	236374
9/17/24 10:30		-1	584	236374
9/17/24 11:00		-1	584	236374
9/17/24 11:30		-1	585	236374
9/17/24 12:00		-1	584	236374
9/17/24 12:30		-1	584	236374
9/17/24 13:00		-1	584	236374
9/17/24 13:30		-1	584	236374
9/17/24 14:00		-1	584	236374
9/17/24 14:30		-1	584	236374
9/17/24 15:00		-1	584	236374
9/17/24 15:30		-1	584	236374
9/17/24 16:00		-1	584	236374
9/17/24 16:30		-1	584	236374
9/17/24 17:00		-1	584	236374
9/17/24 17:30		-1	584	236374
9/17/24 18:00		-1	584	236374

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
9/17/24 18:30		-1	584	236374
9/17/24 19:00		-1	583	236374
9/17/24 19:30		-1	583	236374
9/17/24 20:00		-1	583	236374
9/17/24 20:30		-1	583	236374
9/17/24 21:00		-1	583	236374
9/17/24 21:30		-1	583	236374
9/17/24 22:00		-1	583	236374
9/17/24 22:30		-1	583	236374
9/17/24 23:00		-1	583	236374
9/17/24 23:30		-1	583	236374
9/18/24 0:00		-1	583	236374
9/18/24 0:30		-1	583	236374
9/18/24 1:00		-1	583	236374
9/18/24 1:30		-1	583	236374
9/18/24 2:00		-1	583	236374
9/18/24 2:30		-1	583	236374
9/18/24 3:00		-1	582	236374
9/18/24 3:30		-1	582	236374
9/18/24 4:00		-1	582	236374
9/18/24 4:30		-1	582	236374
9/18/24 5:00		-1	582	236374
9/18/24 5:30		-1	582	236374
9/18/24 6:00		-1	582	236374
9/18/24 6:30		-1	582	236374
9/18/24 7:00		-1	582	236374
9/18/24 7:30		-1	582	236374
9/18/24 8:00		-1	582	236374
9/18/24 8:30		-1	582	236374
9/18/24 9:00		-1	582	236374
9/18/24 9:30		-1	582	236374
9/18/24 10:00		-1	582	236374
9/18/24 10:30		-1	582	236374
9/18/24 11:00		-1	582	236374
9/18/24 11:30		-1	582	236374
9/18/24 12:00		-1	582	236374
9/18/24 12:30		-1	582	236374
9/18/24 13:00		-1	582	236374
9/18/24 13:30		-1	582	236374
9/18/24 14:00		-1	582	236374
9/18/24 14:30		-1	581	236374
9/18/24 15:00		-1	581	236374
9/18/24 15:30		-1	581	236374
9/18/24 16:00		-1	581	236374
9/18/24 16:30		-1	581	236374
9/18/24 17:00		-1	581	236374
9/18/24 17:30		-1	581	236374
9/18/24 18:00		-1	581	236374
9/18/24 18:30		-1	581	236374
9/18/24 19:00		-1	581	236374
9/18/24 19:30		-1	581	236374
9/18/24 20:00		-1	580	236374
9/18/24 20:30		-1	581	236374
9/18/24 21:00		-1	580	236374
9/18/24 21:30		-1	580	236374
9/18/24 22:00		-1	580	236374
9/18/24 22:30		-1	580	236374
9/18/24 23:00		-1	580	236374
9/18/24 23:30		-1	580	236374
9/19/24 0:00		-1	580	236374
9/19/24 0:30		-1	580	236374
9/19/24 1:00		-1	580	236374



Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
9/19/24 1:30		-1	580	236374
9/19/24 2:00		-1	580	236374
9/19/24 2:30		-1	580	236374
9/19/24 3:00		-1	580	236374
9/19/24 3:30		-1	580	236374
9/19/24 4:00		-1	580	236374
9/19/24 4:30		-1	580	236374
9/19/24 5:00		-1	580	236374
9/19/24 5:30		-1	580	236374
9/19/24 6:00		-1	580	236374
9/19/24 6:30		-1	580	236374
9/19/24 7:00		-1	580	236374
9/19/24 7:30		-1	580	236374
9/19/24 8:00		-1	580	236374
9/19/24 8:30		-1	580	236374
9/19/24 9:00		-1	580	236374
9/19/24 9:30		-1	580	236374
9/19/24 10:00		-1	580	236374
9/19/24 10:30		-1	580	236374
9/19/24 11:00		-1	580	236374
9/19/24 11:30		-1	580	236374
9/19/24 12:00		-1	580	236374
9/19/24 12:30		-1	580	236374
9/19/24 13:00		-1	579	236374
9/19/24 13:30		-1	579	236374
9/19/24 14:00		-1	579	236374
9/19/24 14:30		-1	579	236374
9/19/24 15:00		-1	579	236374
9/19/24 15:30		-1	579	236374
9/19/24 16:00		-1	579	236374
9/19/24 16:30		-1	579	236374
9/19/24 17:00		-1	579	236374
9/19/24 17:30		-1	579	236374
9/19/24 18:00		-1	579	236374
9/19/24 18:30		-1	579	236374
9/19/24 19:00		-1	579	236374
9/19/24 19:30		-1	579	236374
9/19/24 20:00		-1	578	236374
9/19/24 20:30		-1	578	236374
9/19/24 21:00		-1	578	236374
9/19/24 21:30		-1	578	236374
9/19/24 22:00		-1	578	236374
9/19/24 22:30		-1	578	236374
9/19/24 23:00		-1	578	236374
9/19/24 23:30		-1	578	236374
9/20/24 0:00		-1	578	236374
9/20/24 0:30		-1	578	236374
9/20/24 1:00		-1	578	236374
9/20/24 1:30		-1	578	236374
9/20/24 2:00		-1	578	236374
9/20/24 2:30		-1	578	236374
9/20/24 3:00		-1	578	236374
9/20/24 3:30		-1	578	236374
9/20/24 4:00		-1	578	236374
9/20/24 4:30		-1	578	236374
9/20/24 5:00		-1	578	236374
9/20/24 5:30		-1	578	236374
9/20/24 6:00		-1	578	236374
9/20/24 6:30		-1	577	236374
9/20/24 7:00		-1	577	236374
9/20/24 7:30		-1	577	236374
9/20/24 8:00		-1	577	236374

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
9/20/24 8:30		-1	577	236374
9/20/24 9:00		-1	577	236374
9/20/24 9:30		-1	578	236374
9/20/24 10:00		-1	578	236374
9/20/24 10:30		-1	578	236374
9/20/24 11:00		-1	578	236374
9/20/24 11:30		-1	578	236374
9/20/24 12:00		-1	577	236374
9/20/24 12:30		-1	577	236374
9/20/24 13:00		-1	577	236374
9/20/24 13:30		-1	577	236374
9/20/24 14:00		-1	577	236374
9/20/24 14:30		-1	577	236374
9/20/24 15:00		-1	577	236374
9/20/24 15:30		-1	577	236374
9/20/24 16:00		-1	577	236374
9/20/24 16:30		-1	577	236374
9/20/24 17:00		-1	577	236374
9/20/24 17:30		-1	577	236374
9/20/24 18:00		-1	577	236374
9/20/24 18:30		-1	577	236374
9/20/24 19:00		-1	576	236374
9/20/24 19:30		-1	576	236374
9/20/24 20:00		-1	576	236374
9/20/24 20:30		-1	576	236374
9/20/24 21:00		-1	576	236374
9/20/24 21:30		-1	576	236374
9/20/24 22:00		-1	576	236374
9/20/24 22:30		-1	576	236374
9/20/24 23:00		-1	576	236374
9/20/24 23:30		-1	576	236374
9/21/24 0:00		-1	576	236374
9/21/24 0:30		-1	576	236374
9/21/24 1:00		-1	576	236374
9/21/24 1:30		-1	576	236374
9/21/24 2:00		-1	576	236374
9/21/24 2:30		-1	576	236374
9/21/24 3:00		-1	576	236374
9/21/24 3:30		-1	576	236374
9/21/24 4:00		-1	576	236374
9/21/24 4:30		-1	576	236374
9/21/24 5:00		-1	576	236374
9/21/24 5:30		-1	576	236374
9/21/24 6:00		-1	576	236374
9/21/24 6:30		-1	576	236374
9/21/24 7:00		-1	576	236374
9/21/24 7:30		-1	576	236374
9/21/24 8:00		-1	576	236374
9/21/24 8:30		-1	575	236374
9/21/24 9:00		-1	575	236374
9/21/24 9:30		-1	575	236374
9/21/24 10:00		-1	576	236374
9/21/24 10:30		-1	576	236374
9/21/24 11:00		-1	576	236374
9/21/24 11:30		-1	576	236374
9/21/24 12:00		-1	576	236374
9/21/24 12:30		-1	576	236374
9/21/24 13:00		-1	575	236374
9/21/24 13:30		-1	575	236374
9/21/24 14:00		-1	574	236374
9/21/24 14:30		-1	574	236374
9/21/24 15:00		-1	575	236374

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
9/21/24 15:30		-1	575	236374
9/21/24 16:00		-1	575	236374
9/21/24 16:30		-1	575	236374
9/21/24 17:00		-1	575	236374
9/21/24 17:30		-1	575	236374
9/21/24 18:00		-1	575	236374
9/21/24 18:30		-1	575	236374
9/21/24 19:00		-1	574	236374
9/21/24 19:30		-1	574	236374
9/21/24 20:00		-1	574	236374
9/21/24 20:30		-1	574	236374
9/21/24 21:00		-1	574	236374
9/21/24 21:30		-1	574	236374
9/21/24 22:00		-1	574	236374
9/21/24 22:30		-1	574	236374
9/21/24 23:00		-1	574	236374
9/21/24 23:30		-1	574	236374
9/22/24 0:00		-1	574	236374
9/22/24 0:30		-1	574	236374
9/22/24 1:00		-1	574	236374
9/22/24 1:30		-1	574	236374
9/22/24 2:00		-1	574	236374
9/22/24 2:30		-1	574	236374
9/22/24 3:00		-1	574	236374
9/22/24 3:30		-1	574	236374
9/22/24 4:00		-1	574	236374
9/22/24 4:30		-1	574	236374
9/22/24 5:00		-1	574	236374
9/22/24 5:30		-1	574	236374
9/22/24 6:00		-1	574	236374
9/22/24 6:30		-1	574	236374
9/22/24 7:00		-1	573	236374
9/22/24 7:30		-1	573	236374
9/22/24 8:00		-1	573	236374
9/22/24 8:30		-1	573	236374
9/22/24 9:00		-1	573	236374
9/22/24 9:30		-1	574	236374
9/22/24 10:00		-1	574	236374
9/22/24 10:30		-1	574	236374
9/22/24 11:00		-1	574	236374
9/22/24 11:30		-1	573	236374
9/22/24 12:00		-1	573	236374
9/22/24 12:30		-1	574	236374
9/22/24 13:00		-1	574	236374
9/22/24 13:30		-1	574	236374
9/22/24 14:00		-1	573	236374
9/22/24 14:30		-1	573	236374
9/22/24 15:00		-1	573	236374
9/22/24 15:30		-1	573	236374
9/22/24 16:00		-1	573	236374
9/22/24 16:30		-1	572	236374
9/22/24 17:00		-1	572	236374
9/22/24 17:30		-1	573	236374
9/22/24 18:00		-1	573	236374
9/22/24 18:30		-1	573	236374
9/22/24 19:00		-1	573	236374
9/22/24 19:30		-1	573	236374
9/22/24 20:00		-1	572	236374
9/22/24 20:30		-1	572	236374
9/22/24 21:00		-1	572	236374
9/22/24 21:30		-1	572	236374
9/22/24 22:00		-1	572	236374

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
9/22/24 22:30		-1	572	236374
9/22/24 23:00		-1	572	236374
9/22/24 23:30		-1	572	236374
9/23/24 0:00		-1	572	236374
9/23/24 0:30		-1	572	236374
9/23/24 1:00		-1	572	236374
9/23/24 1:30		-1	572	236374
9/23/24 2:00		-1	572	236374
9/23/24 2:30		-1	572	236374
9/23/24 3:00		-1	572	236374
9/23/24 3:30		-1	572	236374
9/23/24 4:00		-1	572	236374
9/23/24 4:30		-1	572	236374
9/23/24 5:00		-1	572	236374
9/23/24 5:30		-1	572	236374
9/23/24 6:00		-1	572	236374
9/23/24 6:30		-1	572	236374
9/23/24 7:00		-1	572	236374
9/23/24 7:30		-1	572	236374
9/23/24 8:00		-1	572	236374
9/23/24 8:30		-1	572	236374
9/23/24 9:00		-1	572	236374
9/23/24 9:30		-1	572	236374
9/23/24 10:00		-1	572	236374
9/23/24 10:30		-1	572	236374
9/23/24 11:00		-1	572	236374
9/23/24 11:30		-1	572	236374
9/23/24 12:00		-1	572	236374
9/23/24 12:30		-1	572	236374
9/23/24 13:00		-1	572	236374
9/23/24 13:30		-1	572	236374
9/23/24 14:00		-1	571	236374
9/23/24 14:30		-1	571	236374
9/23/24 15:00		-1	571	236374
9/23/24 15:30		-1	571	236374
9/23/24 16:00		-1	571	236374
9/23/24 16:30		-1	571	236374
9/23/24 17:00		-1	571	236374
9/23/24 17:30		-1	571	236374
9/23/24 18:00		-1	571	236374
9/23/24 18:30		-1	571	236374
9/23/24 19:00		-1	571	236374
9/23/24 19:30		-1	571	236374
9/23/24 20:00		-1	571	236374
9/23/24 20:30		-1	570	236374
9/23/24 21:00		-1	570	236374
9/23/24 21:30		-1	570	236374
9/23/24 22:00		-1	571	236374
9/23/24 22:30		-1	571	236374
9/23/24 23:00		-1	571	236374
9/23/24 23:30		-1	571	236374
9/24/24 0:00		-1	571	236374
9/24/24 0:30		-1	571	236374
9/24/24 1:00		-1	570	236374
9/24/24 1:30		-1	570	236374
9/24/24 2:00		-1	570	236374
9/24/24 2:30		-1	570	236374
9/24/24 3:00		-1	570	236374
9/24/24 3:30		-1	570	236374
9/24/24 4:00		-1	570	236374
9/24/24 4:30		-1	570	236374
9/24/24 5:00		-1	570	236374

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
9/24/24 5:30		-1	570	236374
9/24/24 6:00		-1	570	236374
9/24/24 6:30		-1	570	236374
9/24/24 7:00		-1	570	236374
9/24/24 7:30		-1	570	236374
9/24/24 8:00		-1	570	236374
9/24/24 8:30		-1	570	236374
9/24/24 9:00		-1	570	236374
9/24/24 9:30		-1	570	236374
9/24/24 10:00		-1	570	236374
9/24/24 10:30		-1	570	236374
9/24/24 11:00		-1	570	236374
9/24/24 11:30		-1	570	236374
9/24/24 12:00		-1	570	236374
9/24/24 12:30		-1	570	236374
9/24/24 13:00		-1	570	236374
9/24/24 13:30		-1	570	236374
9/24/24 14:00		-1	570	236374
9/24/24 14:30		-1	570	236374
9/24/24 15:00		-1	570	236374
9/24/24 15:30		-1	570	236374
9/24/24 16:00		-1	569	236374
9/24/24 16:30		-1	569	236374
9/24/24 17:00		-1	569	236374
9/24/24 17:30		-1	569	236374
9/24/24 18:00		-1	569	236374
9/24/24 18:30		-1	569	236374
9/24/24 19:00		-1	569	236374
9/24/24 19:30		-1	569	236374
9/24/24 20:00		-1	569	236374
9/24/24 20:30		-1	569	236374
9/24/24 21:00		-1	569	236374
9/24/24 21:30		-1	569	236374
9/24/24 22:00		-1	569	236374
9/24/24 22:30		-1	569	236374
9/24/24 23:00		-1	569	236374
9/24/24 23:30		-1	569	236374
9/25/24 0:00		-1	569	236374
9/25/24 0:30		-1	569	236374
9/25/24 1:00		-1	569	236374
9/25/24 1:30		-1	569	236374
9/25/24 2:00		-1	569	236374
9/25/24 2:30		-1	569	236374
9/25/24 3:00		-1	569	236374
9/25/24 3:30		-1	569	236374
9/25/24 4:00		-1	568	236374
9/25/24 4:30		-1	568	236374
9/25/24 5:00		-1	568	236374
9/25/24 5:30		-1	568	236374
9/25/24 6:00		-1	568	236374
9/25/24 6:30		-1	568	236374
9/25/24 7:00		-1	568	236374
9/25/24 7:30		-1	568	236374
9/25/24 8:00		-1	568	236374
9/25/24 8:30		-1	568	236374
9/25/24 9:00		-1	568	236374
9/25/24 9:30		-1	568	236374
9/25/24 10:00		-1	568	236374
9/25/24 10:30		-1	569	236374
9/25/24 11:00		-1	568	236374
9/25/24 11:30		-1	568	236374
9/25/24 12:00		-1	568	236374

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
9/25/24 12:30		-1	568	236374
9/25/24 13:00		-1	568	236374
9/25/24 13:30		-1	568	236374
9/25/24 14:00		-1	568	236374
9/25/24 14:30		-1	568	236374
9/25/24 15:00		-1	568	236374
9/25/24 15:30		-1	568	236374
9/25/24 16:00		-1	568	236374
9/25/24 16:30		-1	568	236374
9/25/24 17:00		-1	568	236374
9/25/24 17:30		-1	568	236374
9/25/24 18:00		-1	568	236374
9/25/24 18:30		-1	568	236374
9/25/24 19:00		-1	567	236374
9/25/24 19:30		-1	567	236374
9/25/24 20:00		-1	567	236374
9/25/24 20:30		-1	567	236374
9/25/24 21:00		-1	567	236374
9/25/24 21:30		-1	567	236374
9/25/24 22:00		-1	567	236374
9/25/24 22:30		-1	567	236374
9/25/24 23:00		-1	567	236374
9/25/24 23:30		-1	567	236374
9/26/24 0:00		-1	567	236374
9/26/24 0:30		-1	567	236374
9/26/24 1:00		-1	567	236374
9/26/24 1:30		-1	567	236374
9/26/24 2:00		-1	567	236374
9/26/24 2:30		-1	567	236374
9/26/24 3:00		-1	567	236374
9/26/24 3:30		-1	567	236374
9/26/24 4:00		-1	567	236374
9/26/24 4:30		-1	567	236374
9/26/24 5:00		-1	567	236374
9/26/24 5:30		-1	567	236374
9/26/24 6:00		-1	567	236374
9/26/24 6:30		-1	567	236374
9/26/24 7:00		-1	567	236374
9/26/24 7:30		-1	567	236374
9/26/24 8:00		-1	567	236374
9/26/24 8:30		-1	567	236374
9/26/24 9:00		-1	567	236374
9/26/24 9:30		-1	567	236374
9/26/24 10:00		-1	567	236374
9/26/24 10:30		-1	567	236374
9/26/24 11:00		-1	567	236374
9/26/24 11:30		-1	567	236374
9/26/24 12:00		-1	567	236374
9/26/24 12:30		-1	567	236374
9/26/24 13:00		-1	567	236374
9/26/24 13:30		-1	567	236374
9/26/24 14:00		-1	567	236374
9/26/24 14:30		-1	566	236374
9/26/24 15:00		-1	566	236374
9/26/24 15:30		-1	566	236374
9/26/24 16:00		-1	566	236374
9/26/24 16:30		-1	566	236374
9/26/24 17:00		-1	566	236374
9/26/24 17:30		-1	566	236374
9/26/24 18:00		-1	566	236374
9/26/24 18:30		-1	566	236374
9/26/24 19:00		-1	566	236374

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
9/26/24 19:30		-1	566	236374
9/26/24 20:00		-1	566	236374
9/26/24 20:30		-1	566	236374
9/26/24 21:00		-1	565	236374
9/26/24 21:30		-1	566	236374
9/26/24 22:00		-1	566	236374
9/26/24 22:30		-1	566	236374
9/26/24 23:00		-1	566	236374
9/26/24 23:30		-1	566	236374
9/27/24 0:00		-1	566	236374
9/27/24 0:30		-1	566	236374
9/27/24 1:00		-1	566	236374
9/27/24 1:30		-1	566	236374
9/27/24 2:00		-1	566	236374
9/27/24 2:30		-1	566	236374
9/27/24 3:00		-1	566	236374
9/27/24 3:30		-1	565	236374
9/27/24 4:00		-1	565	236374
9/27/24 4:30		-1	565	236374
9/27/24 5:00		-1	565	236374
9/27/24 5:30		-1	565	236374
9/27/24 6:00		-1	565	236374
9/27/24 6:30		-1	565	236374
9/27/24 7:00		-1	565	236374
9/27/24 7:30		-1	565	236374
9/27/24 8:00		-1	565	236374
9/27/24 8:30		-1	565	236374
9/27/24 9:00		-1	565	236374
9/27/24 9:30		-1	565	236374
9/27/24 10:00		-1	565	236374
9/27/24 10:30		-1	566	236374
9/27/24 11:00		-1	565	236374
9/27/24 11:30		-1	565	236374
9/27/24 12:00		-1	565	236374
9/27/24 12:30		-1	565	236374
9/27/24 13:00		-1	565	236374
9/27/24 13:30		-1	565	236374
9/27/24 14:00		-1	565	236374
9/27/24 14:30		-1	565	236374
9/27/24 15:00		-1	565	236374
9/27/24 15:30		-1	565	236374
9/27/24 16:00		-1	565	236374
9/27/24 16:30		-1	565	236374
9/27/24 17:00		-1	565	236374
9/27/24 17:30		-1	565	236374
9/27/24 18:00		-1	564	236374
9/27/24 18:30		-1	564	236374
9/27/24 19:00		-1	564	236374
9/27/24 19:30		-1	564	236374
9/27/24 20:00		-1	564	236374
9/27/24 20:30		-1	564	236374
9/27/24 21:00		-1	564	236374
9/27/24 21:30		-1	564	236374
9/27/24 22:00		-1	564	236374
9/27/24 22:30		-1	564	236374
9/27/24 23:00		-1	564	236374
9/27/24 23:30		-1	564	236374
9/28/24 0:00		-1	564	236374
9/28/24 0:30		-1	564	236374
9/28/24 1:00		-1	564	236374
9/28/24 1:30		-1	564	236374
9/28/24 2:00		-1	564	236374

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
9/28/24 2:30		-1	564	236374
9/28/24 3:00		-1	564	236374
9/28/24 3:30		-1	564	236374
9/28/24 4:00		-1	564	236374
9/28/24 4:30		-1	564	236374
9/28/24 5:00		-1	564	236374
9/28/24 5:30		-1	564	236374
9/28/24 6:00		-1	564	236374
9/28/24 6:30		-1	564	236374
9/28/24 7:00		-1	564	236374
9/28/24 7:30		-1	564	236374
9/28/24 8:00		-1	564	236374
9/28/24 8:30		-1	564	236374
9/28/24 9:00		-1	564	236374
9/28/24 9:30		-1	564	236374
9/28/24 10:00		-1	564	236374
9/28/24 10:30		-1	564	236374
9/28/24 11:00		-1	564	236374
9/28/24 11:30		-1	564	236374
9/28/24 12:00		-1	564	236374
9/28/24 12:30		-1	564	236374
9/28/24 13:00		-1	563	236374
9/28/24 13:30		-1	563	236374
9/28/24 14:00		-1	564	236374
9/28/24 14:30		-1	564	236374
9/28/24 15:00		-1	563	236374
9/28/24 15:30		-1	563	236374
9/28/24 16:00		-1	563	236374
9/28/24 16:30		-1	563	236374
9/28/24 17:00		-1	563	236374
9/28/24 17:30		-1	563	236374
9/28/24 18:00		-1	563	236374
9/28/24 18:30		-1	563	236374
9/28/24 19:00		-1	563	236374
9/28/24 19:30		-1	563	236374
9/28/24 20:00		-1	562	236374
9/28/24 20:30		-1	562	236374
9/28/24 21:00		-1	563	236374
9/28/24 21:30		-1	563	236374
9/28/24 22:00		-1	563	236374
9/28/24 22:30		-1	563	236374
9/28/24 23:00		-1	563	236374
9/28/24 23:30		-1	563	236374
9/29/24 0:00		-1	563	236374
9/29/24 0:30		-1	563	236374
9/29/24 1:00		-1	563	236374
9/29/24 1:30		-1	563	236374
9/29/24 2:00		-1	563	236374
9/29/24 2:30		-1	563	236374
9/29/24 3:00		-1	563	236374
9/29/24 3:30		-1	563	236374
9/29/24 4:00		-1	563	236374
9/29/24 4:30		-1	563	236374
9/29/24 5:00		-1	562	236374
9/29/24 5:30		-1	562	236374
9/29/24 6:00		-1	562	236374
9/29/24 6:30		-1	562	236374
9/29/24 7:00		-1	562	236374
9/29/24 7:30		-1	562	236374
9/29/24 8:00		-1	562	236374
9/29/24 8:30		-1	562	236374
9/29/24 9:00		-1	562	236374



Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
9/29/24 9:30		-1	562	236374
9/29/24 10:00		-1	562	236374
9/29/24 10:30		-1	562	236374
9/29/24 11:00		-1	562	236374
9/29/24 11:30		-1	562	236374
9/29/24 12:00		-1	562	236374
9/29/24 12:30		-1	562	236374
9/29/24 13:00		-1	562	236374
9/29/24 13:30		-1	562	236374
9/29/24 14:00		-1	562	236374
9/29/24 14:30		-1	562	236374
9/29/24 15:00		-1	562	236374
9/29/24 15:30		-1	562	236374
9/29/24 16:00		-1	562	236374
9/29/24 16:30		-1	562	236374
9/29/24 17:00		-1	562	236374
9/29/24 17:30		-1	562	236374
9/29/24 18:00		-1	562	236374
9/29/24 18:30		-1	562	236374
9/29/24 19:00		-1	561	236374
9/29/24 19:30		-1	561	236374
9/29/24 20:00		-1	561	236374
9/29/24 20:30		-1	561	236374
9/29/24 21:00		-1	561	236374
9/29/24 21:30		-1	561	236374
9/29/24 22:00		-1	561	236374
9/29/24 22:30		-1	561	236374
9/29/24 23:00		-1	561	236374
9/29/24 23:30		-1	561	236374
9/30/24 0:00		-1	561	236374
9/30/24 0:30		-1	561	236374
9/30/24 1:00		-1	561	236374
9/30/24 1:30		-1	561	236374
9/30/24 2:00		-1	561	236374
9/30/24 2:30		-1	561	236374
9/30/24 3:00		-1	561	236374
9/30/24 3:30		-1	561	236374
9/30/24 4:00		-1	561	236374
9/30/24 4:30		-1	561	236374
9/30/24 5:00		-1	561	236374
9/30/24 5:30		-1	561	236374
9/30/24 6:00		-1	561	236374
9/30/24 6:30		-1	561	236374
9/30/24 7:00		-1	561	236374
9/30/24 7:30		-1	561	236374
9/30/24 8:00		-1	561	236374
9/30/24 8:30		-1	561	236374
9/30/24 9:00		-1	561	236374
9/30/24 9:30		-1	561	236374
9/30/24 10:00		-1	561	236374
9/30/24 10:30		-1	561	236374
9/30/24 11:00		-1	561	236374
9/30/24 11:30		-1	561	236374
9/30/24 12:00		-1	561	236374
9/30/24 12:30		-1	561	236374
9/30/24 13:00		-1	561	236374
9/30/24 13:30		-1	561	236374
9/30/24 14:00		-1	561	236374
9/30/24 14:30		-1	561	236374
9/30/24 15:00		-1	561	236374
9/30/24 15:30		-1	560	236374

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
9/30/24 16:00		-1	560	236374
9/30/24 16:30		-1	560	236374
9/30/24 17:00		-1	560	236374
9/30/24 17:30		-1	560	236374
9/30/24 18:00		-1	560	236374
9/30/24 18:30		-1	560	236374
9/30/24 19:00		-1	560	236374
9/30/24 19:30		-1	560	236374
9/30/24 20:00		-1	560	236374
9/30/24 20:30		-1	560	236374
9/30/24 21:00		-1	560	236374
9/30/24 21:30		-1	560	236374
9/30/24 22:00		-1	560	236374
9/30/24 22:30		-1	560	236374
9/30/24 23:00		-1	560	236374
9/30/24 23:30		-1	560	236374

## Injection Well Operational Log

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
10/1/24 0:00		-1	560	236374
10/1/24 0:30		-1	560	236374
10/1/24 1:00		-1	560	236374
10/1/24 1:30		-1	560	236374
10/1/24 2:00		-1	560	236374
10/1/24 2:30		-1	560	236374
10/1/24 3:00		-1	560	236374
10/1/24 3:30		-1	560	236374
10/1/24 4:00		-1	560	236374
10/1/24 4:30		-1	560	236374
10/1/24 5:00		-1	560	236374
10/1/24 5:30		-1	560	236374
10/1/24 6:00		-1	560	236374
10/1/24 6:30		-1	560	236374
10/1/24 7:00		-1	560	236374
10/1/24 7:30		-1	559	236374
10/1/24 8:00		-1	559	236374
10/1/24 8:30		-1	559	236374
10/1/24 9:00		-1	559	236374
10/1/24 9:30		-1	559	236374
10/1/24 10:00		-1	560	236374
10/1/24 10:30		-1	560	236374
10/1/24 11:00		-1	560	236374
10/1/24 11:30		-1	560	236374
10/1/24 12:00		-1	560	236374
10/1/24 12:30		-1	559	236374
10/1/24 13:00		-1	559	236374
10/1/24 13:30		-1	559	236374
10/1/24 14:00		-1	559	236374
10/1/24 14:30		-1	559	236374
10/1/24 15:00		-1	559	236374
10/1/24 15:30		-1	559	236374
10/1/24 16:00		-1	559	236374
10/1/24 16:30		-1	559	236374
10/1/24 17:00		-1	559	236374
10/1/24 17:30		-1	559	236374
10/1/24 18:00		-1	559	236374
10/1/24 18:30		-1	559	236374
10/1/24 19:00		-1	559	236374
10/1/24 19:30		-1	559	236374
10/1/24 20:00		-1	559	236374
10/1/24 20:30		-1	558	236374
10/1/24 21:00		-1	558	236374
10/1/24 21:30		-1	558	236374
10/1/24 22:00		-1	559	236374
10/1/24 22:30		-1	559	236374
10/1/24 23:00		-1	559	236374
10/1/24 23:30		-1	559	236374
10/2/24 0:00		-1	559	236374
10/2/24 0:30		-1	559	236374
10/2/24 1:00		-1	558	236374
10/2/24 1:30		-1	558	236374
10/2/24 2:00		-1	558	236374
10/2/24 2:30		-1	558	236374
10/2/24 3:00		-1	558	236374
10/2/24 3:30		-1	558	236374
10/2/24 4:00		-1	558	236374
10/2/24 4:30		-1	558	236374
10/2/24 5:00		-1	558	236374
10/2/24 5:30		-1	558	236374
10/2/24 6:00		-1	558	236374

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
10/2/24 6:30		-1	558	236374
10/2/24 7:00		-1	558	236374
10/2/24 7:30		-1	558	236374
10/2/24 8:00		-1	558	236374
10/2/24 8:30		-1	558	236374
10/2/24 9:00		-1	558	236374
10/2/24 9:30		-1	558	236374
10/2/24 10:00		-1	558	236374
10/2/24 10:30		-1	559	236374
10/2/24 11:00		-1	558	236374
10/2/24 11:30		-1	558	236374
10/2/24 12:00		-1	558	236374
10/2/24 12:30		-1	558	236374
10/2/24 13:00		-1	558	236374
10/2/24 13:30		-1	558	236374
10/2/24 14:00		-1	558	236374
10/2/24 14:30		-1	558	236374
10/2/24 15:00		-1	558	236374
10/2/24 15:30		-1	558	236374
10/2/24 16:00		-1	558	236374
10/2/24 16:30		-1	558	236374
10/2/24 17:00		-1	558	236374
10/2/24 17:30		-1	558	236374
10/2/24 18:00		-1	557	236374
10/2/24 18:30		-1	557	236374
10/2/24 19:00		-1	557	236374
10/2/24 19:30		-1	557	236374
10/2/24 20:00		-1	557	236374
10/2/24 20:30		-1	557	236374
10/2/24 21:00		-1	557	236374
10/2/24 21:30		-1	557	236374
10/2/24 22:00		-1	557	236374
10/2/24 22:30		-1	557	236374
10/2/24 23:00		-1	557	236374
10/2/24 23:30		-1	557	236374
10/3/24 0:00		-1	557	236374
10/3/24 0:30		-1	557	236374
10/3/24 1:00		-1	557	236374
10/3/24 1:30		-1	557	236374
10/3/24 2:00		-1	557	236374
10/3/24 2:30		-1	557	236374
10/3/24 3:00		-1	557	236374
10/3/24 3:30		-1	557	236374
10/3/24 4:00		-1	557	236374
10/3/24 4:30		-1	557	236374
10/3/24 5:00		-1	557	236374
10/3/24 5:30		-1	557	236374
10/3/24 6:00		-1	557	236374
10/3/24 6:30		-1	557	236374
10/3/24 7:00		-1	557	236374
10/3/24 7:30		-1	557	236374
10/3/24 8:00		-1	557	236374
10/3/24 8:30		-1	557	236374
10/3/24 9:00		-1	557	236374
10/3/24 9:30		-1	557	236374
10/3/24 10:00		-1	557	236374
10/3/24 10:30		-1	557	236374
10/3/24 11:00		-1	557	236374
10/3/24 11:30		-1	557	236374
10/3/24 12:00		-1	557	236374
10/3/24 12:30		-1	557	236374
10/3/24 13:00		-1	557	236374

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
10/3/24 13:30		-1	557	236374
10/3/24 14:00		-1	557	236374
10/3/24 14:30		-1	557	236374
10/3/24 15:00		-1	556	236374
10/3/24 15:30		-1	556	236374
10/3/24 16:00		-1	556	236374
10/3/24 16:30		-1	556	236374
10/3/24 17:00		-1	556	236374
10/3/24 17:30		-1	556	236374
10/3/24 18:00		-1	556	236374
10/3/24 18:30		-1	556	236374
10/3/24 19:00		-1	556	236374
10/3/24 19:30		-1	556	236374
10/3/24 20:00		-1	556	236374
10/3/24 20:30		-1	556	236374
10/3/24 21:00		-1	556	236374
10/3/24 21:30		-1	556	236374
10/3/24 22:00		-1	556	236374
10/3/24 22:30		-1	556	236374
10/3/24 23:00		-1	556	236374
10/3/24 23:30		-1	556	236374
10/4/24 0:00		-1	556	236374
10/4/24 0:30		-1	556	236374
10/4/24 1:00		-1	556	236374
10/4/24 1:30		-1	556	236374
10/4/24 2:00		-1	556	236374
10/4/24 2:30		-1	556	236374
10/4/24 3:00		-1	556	236374
10/4/24 3:30		-1	556	236374
10/4/24 4:00		-1	556	236374
10/4/24 4:30		-1	556	236374
10/4/24 5:00		-1	556	236374
10/4/24 5:30		-1	556	236374
10/4/24 6:00		-1	556	236374
10/4/24 6:30		-1	556	236374
10/4/24 7:00		-1	555	236374
10/4/24 7:30		-1	555	236374
10/4/24 8:00		-1	555	236374
10/4/24 8:30		-1	555	236374
10/4/24 9:00		-1	555	236374
10/4/24 9:30		-1	556	236374
10/4/24 10:00		-1	556	236374
10/4/24 10:30		-1	556	236374
10/4/24 11:00		-1	556	236374
10/4/24 11:30		-1	556	236374
10/4/24 12:00		-1	556	236374
10/4/24 12:30		-1	556	236374
10/4/24 13:00		-1	556	236374
10/4/24 13:30		-1	555	236374
10/4/24 14:00		-1	555	236374
10/4/24 14:30		-1	555	236374
10/4/24 15:00		-1	555	236374
10/4/24 15:30		-1	555	236374
10/4/24 16:00		-1	555	236374
10/4/24 16:30		-1	555	236374
10/4/24 17:00		-1	555	236374
10/4/24 17:30		-1	555	236374
10/4/24 18:00		-1	555	236374
10/4/24 18:30		-1	555	236374
10/4/24 19:00		-1	555	236374
10/4/24 19:30		-1	555	236374
10/4/24 20:00		-1	555	236374

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
10/4/24 20:30		-1	554	236374
10/4/24 21:00		-1	554	236374
10/4/24 21:30		-1	555	236374
10/4/24 22:00		-1	555	236374
10/4/24 22:30		-1	555	236374
10/4/24 23:00		-1	555	236374
10/4/24 23:30		-1	555	236374
10/5/24 0:00		-1	555	236374
10/5/24 0:30		-1	555	236374
10/5/24 1:00		-1	555	236374
10/5/24 1:30		-1	555	236374
10/5/24 2:00		-1	555	236374
10/5/24 2:30		-1	555	236374
10/5/24 3:00		-1	555	236374
10/5/24 3:30		-1	554	236374
10/5/24 4:00		-1	554	236374
10/5/24 4:30		-1	554	236374
10/5/24 5:00		-1	554	236374
10/5/24 5:30		-1	554	236374
10/5/24 6:00		-1	554	236374
10/5/24 6:30		-1	554	236374
10/5/24 7:00		-1	554	236374
10/5/24 7:30		-1	554	236374
10/5/24 8:00		-1	554	236374
10/5/24 8:30		-1	554	236374
10/5/24 9:00		-1	554	236374
10/5/24 9:30		-1	554	236374
10/5/24 10:00		-1	554	236374
10/5/24 10:30		-1	555	236374
10/5/24 11:00		-1	555	236374
10/5/24 11:30		-1	555	236374
10/5/24 12:00		-1	555	236374
10/5/24 12:30		-1	554	236374
10/5/24 13:00		-1	554	236374
10/5/24 13:30		-1	554	236374
10/5/24 14:00		-1	554	236374
10/5/24 14:30		-1	554	236374
10/5/24 15:00		-1	554	236374
10/5/24 15:30		-1	554	236374
10/5/24 16:00		-1	554	236374
10/5/24 16:30		-1	554	236374
10/5/24 17:00		-1	554	236374
10/5/24 17:30		-1	554	236374
10/5/24 18:00		-1	554	236374
10/5/24 18:30		-1	554	236374
10/5/24 19:00		-1	554	236374
10/5/24 19:30		-1	554	236374
10/5/24 20:00		-1	553	236374
10/5/24 20:30		-1	553	236374
10/5/24 21:00		-1	553	236374
10/5/24 21:30		-1	553	236374
10/5/24 22:00		-1	553	236374
10/5/24 22:30		-1	553	236374
10/5/24 23:00		-1	553	236374
10/5/24 23:30		-1	554	236374
10/6/24 0:00		-1	554	236374
10/6/24 0:30		-1	553	236374
10/6/24 1:00		-1	553	236374
10/6/24 1:30		-1	553	236374
10/6/24 2:00		-1	553	236374
10/6/24 2:30		-1	553	236374
10/6/24 3:00		-1	553	236374

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
10/6/24 3:30		-1	553	236374
10/6/24 4:00		-1	553	236374
10/6/24 4:30		-1	553	236374
10/6/24 5:00		-1	553	236374
10/6/24 5:30		-1	553	236374
10/6/24 6:00		-1	553	236374
10/6/24 6:30		-1	553	236374
10/6/24 7:00		-1	553	236374
10/6/24 7:30		-1	553	236374
10/6/24 8:00		-1	553	236374
10/6/24 8:30		-1	553	236374
10/6/24 9:00		-1	553	236374
10/6/24 9:30		-1	553	236374
10/6/24 10:00		-1	553	236374
10/6/24 10:30		-1	554	236374
10/6/24 11:00		-1	554	236374
10/6/24 11:30		-1	553	236374
10/6/24 12:00		-1	553	236374
10/6/24 12:30		-1	553	236374
10/6/24 13:00		-1	553	236374
10/6/24 13:30		-1	553	236374
10/6/24 14:00		-1	553	236374
10/6/24 14:30		-1	553	236374
10/6/24 15:00		-1	553	236374
10/6/24 15:30		-1	553	236374
10/6/24 16:00		-1	553	236374
10/6/24 16:30		-1	553	236374
10/6/24 17:00		-1	553	236374
10/6/24 17:30		-1	553	236374
10/6/24 18:00		-1	553	236374
10/6/24 18:30		-1	552	236374
10/6/24 19:00		-1	552	236374
10/6/24 19:30		-1	552	236374
10/6/24 20:00		-1	552	236374
10/6/24 20:30		-1	552	236374
10/6/24 21:00		-1	552	236374
10/6/24 21:30		-1	552	236374
10/6/24 22:00		-1	552	236374
10/6/24 22:30		-1	552	236374
10/6/24 23:00		-1	552	236374
10/6/24 23:30		-1	552	236374
10/7/24 0:00		-1	552	236374
10/7/24 0:30		-1	552	236374
10/7/24 1:00		-1	552	236374
10/7/24 1:30		-1	552	236374
10/7/24 2:00		-1	552	236374
10/7/24 2:30		-1	552	236374
10/7/24 3:00		-1	552	236374
10/7/24 3:30		-1	552	236374
10/7/24 4:00		-1	552	236374
10/7/24 4:30		-1	552	236374
10/7/24 5:00		-1	552	236374
10/7/24 5:30		-1	552	236374
10/7/24 6:00		-1	552	236374
10/7/24 6:30		-1	552	236374
10/7/24 7:00		-1	552	236374
10/7/24 7:30		-1	552	236374
10/7/24 8:00		-1	552	236374
10/7/24 8:30		-1	552	236374
10/7/24 9:00		-1	552	236374
10/7/24 9:30		-1	552	236374
10/7/24 10:00		-1	552	236374

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
10/7/24 10:30		-1	552	236374
10/7/24 11:00		-1	552	236374
10/7/24 11:30		-1	552	236374
10/7/24 12:00		-1	552	236374
10/7/24 12:30		-1	552	236374
10/7/24 13:00		-1	552	236374
10/7/24 13:30		-1	552	236374
10/7/24 14:00		-1	552	236374
10/7/24 14:30		-1	552	236374
10/7/24 15:00		-1	552	236374
10/7/24 15:30		-1	552	236374
10/7/24 16:00		-1	551	236374
10/7/24 16:30		-1	551	236374
10/7/24 17:00		-1	551	236374
10/7/24 17:30		-1	551	236374
10/7/24 18:00		-1	551	236374
10/7/24 18:30		-1	551	236374
10/7/24 19:00		-1	551	236374
10/7/24 19:30		-1	551	236374
10/7/24 20:00		-1	551	236374
10/7/24 20:30		-1	551	236374
10/7/24 21:00		-1	551	236374
10/7/24 21:30		-1	551	236374
10/7/24 22:00		-1	551	236374
10/7/24 22:30		-1	551	236374
10/7/24 23:00		-1	551	236374
10/7/24 23:30		-1	551	236374
10/8/24 0:00		-1	551	236374
10/8/24 0:30		-1	551	236374
10/8/24 1:00		-1	551	236374
10/8/24 1:30		-1	551	236374
10/8/24 2:00		-1	551	236374
10/8/24 2:30		-1	551	236374
10/8/24 3:00		-1	551	236374
10/8/24 3:30		-1	551	236374
10/8/24 4:00		-1	551	236374
10/8/24 4:30		-1	551	236374
10/8/24 5:00		-1	551	236374
10/8/24 5:30		-1	551	236374
10/8/24 6:00		-1	551	236374
10/8/24 6:30		-1	551	236374
10/8/24 7:00		-1	551	236374
10/8/24 7:30		-1	551	236374
10/8/24 8:00		-1	551	236374
10/8/24 8:30		-1	551	236374
10/8/24 9:00		-1	551	236374
10/8/24 9:30		-1	550	236374
10/8/24 10:00		-1	551	236374
10/8/24 10:30		-1	551	236374
10/8/24 11:00		-1	551	236374
10/8/24 11:30		-1	551	236374
10/8/24 12:00		-1	551	236374
10/8/24 12:30		-1	551	236374
10/8/24 13:00		-1	551	236374
10/8/24 13:30		-1	551	236374
10/8/24 14:00		-1	551	236374
10/8/24 14:30		-1	551	236374
10/8/24 15:00		-1	550	236374
10/8/24 15:30		-1	550	236374
10/8/24 16:00		-1	550	236374
10/8/24 16:30		-1	550	236374
10/8/24 17:00		-1	550	236374



Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
10/8/24 17:30		-1	550	236374
10/8/24 18:00		-1	550	236374
10/8/24 18:30		-1	550	236374
10/8/24 19:00		-1	550	236374
10/8/24 19:30		-1	550	236374
10/8/24 20:00		-1	550	236374
10/8/24 20:30		-1	550	236374
10/8/24 21:00		-1	550	236374
10/8/24 21:30		-1	550	236374
10/8/24 22:00		-1	550	236374
10/8/24 22:30		-1	550	236374
10/8/24 23:00		-1	550	236374
10/8/24 23:30		-1	550	236374
10/9/24 0:00		-1	550	236374
10/9/24 0:30		-1	550	236374
10/9/24 1:00		-1	550	236374
10/9/24 1:30		-1	550	236374
10/9/24 2:00		-1	550	236374
10/9/24 2:30		-1	550	236374
10/9/24 3:00		-1	550	236374
10/9/24 3:30		-1	550	236374
10/9/24 4:00		-1	550	236374
10/9/24 4:30		-1	550	236374
10/9/24 5:00		-1	550	236374
10/9/24 5:30		-1	550	236374
10/9/24 6:00		-1	550	236374
10/9/24 6:30		-1	550	236374
10/9/24 7:00		-1	549	236374
10/9/24 7:30		-1	549	236374
10/9/24 8:00		-1	549	236374
10/9/24 8:30		-1	549	236374
10/9/24 9:00		-1	549	236374
10/9/24 9:30		-1	549	236374
10/9/24 10:00		-1	550	236374
10/9/24 10:30		-1	550	236374
10/9/24 11:00		-1	550	236374
10/9/24 11:30		-1	550	236374
10/9/24 12:00		-1	550	236374
10/9/24 12:30		-1	550	236374
10/9/24 13:00		-1	550	236374
10/9/24 13:30		-1	550	236374
10/9/24 14:00		-1	550	236374
10/9/24 14:30		-1	550	236374
10/9/24 15:00		-1	549	236374
10/9/24 15:30		-1	549	236374
10/9/24 16:00		-1	549	236374
10/9/24 16:30		-1	549	236374
10/9/24 17:00		-1	549	236374
10/9/24 17:30		-1	549	236374
10/9/24 18:00		-1	549	236374
10/9/24 18:30		-1	549	236374
10/9/24 19:00		-1	549	236374
10/9/24 19:30		-1	549	236374
10/9/24 20:00		-1	549	236374
10/9/24 20:30		-1	549	236374
10/9/24 21:00		-1	549	236374
10/9/24 21:30		-1	549	236374
10/9/24 22:00		-1	549	236374
10/9/24 22:30		-1	549	236374
10/9/24 23:00		-1	549	236374
10/9/24 23:30		-1	549	236374
10/10/24 0:00		-1	549	236374

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
10/10/24 0:30		-1	549	236374
10/10/24 1:00		-1	549	236374
10/10/24 1:30		-1	549	236374
10/10/24 2:00		-1	549	236374
10/10/24 2:30		-1	549	236374
10/10/24 3:00		-1	549	236374
10/10/24 3:30		-1	549	236374
10/10/24 4:00		-1	549	236374
10/10/24 4:30		-1	549	236374
10/10/24 5:00		-1	549	236374
10/10/24 5:30		-1	549	236374
10/10/24 6:00		-1	548	236374
10/10/24 6:30		-1	548	236374
10/10/24 7:00		-1	548	236374
10/10/24 7:30		-1	548	236374
10/10/24 8:00		-1	548	236374
10/10/24 8:30		-1	548	236374
10/10/24 9:00		-1	548	236374
10/10/24 9:30		-1	548	236374
10/10/24 10:00		-1	549	236374
10/10/24 10:30		-1	549	236374
10/10/24 11:00		-1	549	236374
10/10/24 11:30		-1	549	236374
10/10/24 12:00		-1	549	236374
10/10/24 12:30		-1	549	236374
10/10/24 13:00		-1	549	236374
10/10/24 13:30		-1	548	236374
10/10/24 14:00		-1	548	236374
10/10/24 14:30		-1	548	236374
10/10/24 15:00		-1	548	236374
10/10/24 15:30		-1	548	236374
10/10/24 16:00		-1	548	236374
10/10/24 16:30		-1	548	236374
10/10/24 17:00		-1	548	236374
10/10/24 17:30		-1	548	236374
10/10/24 18:00		-1	548	236374
10/10/24 18:30		-1	548	236374
10/10/24 19:00		-1	548	236374
10/10/24 19:30		-1	548	236374
10/10/24 20:00		-1	548	236374
10/10/24 20:30		-1	547	236374
10/10/24 21:00		-1	547	236374
10/10/24 21:30		-1	548	236374
10/10/24 22:00		-1	548	236374
10/10/24 22:30		-1	548	236374
10/10/24 23:00		-1	548	236374
10/10/24 23:30		-1	548	236374
10/11/24 0:00		-1	548	236374
10/11/24 0:30		-1	548	236374
10/11/24 1:00		-1	548	236374
10/11/24 1:30		-1	548	236374
10/11/24 2:00		-1	548	236374
10/11/24 2:30		-1	548	236374
10/11/24 3:00		-1	548	236374
10/11/24 3:30		-1	548	236374
10/11/24 4:00		-1	547	236374
10/11/24 4:30		-1	547	236374
10/11/24 5:00		-1	547	236374
10/11/24 5:30		-1	547	236374
10/11/24 6:00		-1	547	236374
10/11/24 6:30		-1	547	236374
10/11/24 7:00		-1	547	236374

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
10/11/24 7:30		-1	547	236374
10/11/24 8:00		-1	547	236374
10/11/24 8:30		-1	547	236374
10/11/24 9:00		-1	547	236374
10/11/24 9:30		-1	547	236374
10/11/24 10:00		-1	548	236374
10/11/24 10:30		-1	548	236374
10/11/24 11:00		-1	548	236374
10/11/24 11:30		-1	548	236374
10/11/24 12:00		-1	547	236374
10/11/24 12:30		-1	547	236374
10/11/24 13:00		-1	547	236374
10/11/24 13:30		-1	547	236374
10/11/24 14:00		-1	547	236374
10/11/24 14:30		-1	547	236374
10/11/24 15:00		-1	547	236374
10/11/24 15:30		-1	547	236374
10/11/24 16:00		-1	547	236374
10/11/24 16:30		-1	547	236374
10/11/24 17:00		-1	547	236374
10/11/24 17:30		-1	547	236374
10/11/24 18:00		-1	547	236374
10/11/24 18:30		-1	547	236374
10/11/24 19:00		-1	547	236374
10/11/24 19:30		-1	547	236374
10/11/24 20:00		-1	546	236374
10/11/24 20:30		-1	546	236374
10/11/24 21:00		-1	546	236374
10/11/24 21:30		-1	546	236374
10/11/24 22:00		-1	547	236374
10/11/24 22:30		-1	547	236374
10/11/24 23:00		-1	547	236374
10/11/24 23:30		-1	547	236374
10/12/24 0:00		-1	547	236374
10/12/24 0:30		-1	547	236374
10/12/24 1:00		-1	547	236374
10/12/24 1:30		-1	547	236374
10/12/24 2:00		-1	546	236374
10/12/24 2:30		-1	546	236374
10/12/24 3:00		-1	546	236374
10/12/24 3:30		-1	546	236374
10/12/24 4:00		-1	546	236374
10/12/24 4:30		-1	546	236374
10/12/24 5:00		-1	546	236374
10/12/24 5:30		-1	546	236374
10/12/24 6:00		-1	546	236374
10/12/24 6:30		-1	546	236374
10/12/24 7:00		-1	546	236374
10/12/24 7:30		-1	546	236374
10/12/24 8:00		-1	546	236374
10/12/24 8:30		-1	546	236374
10/12/24 9:00		-1	546	236374
10/12/24 9:30		-1	546	236374
10/12/24 10:00		-1	546	236374
10/12/24 10:30		-1	547	236374
10/12/24 11:00		-1	547	236374
10/12/24 11:30		-1	546	236374
10/12/24 12:00		-1	546	236374
10/12/24 12:30		-1	546	236374
10/12/24 13:00		-1	546	236374
10/12/24 13:30		-1	546	236374
10/12/24 14:00		-1	546	236374

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
10/12/24 14:30		-1	546	236374
10/12/24 15:00		-1	546	236374
10/12/24 15:30		-1	546	236374
10/12/24 16:00		-1	546	236374
10/12/24 16:30		-1	546	236374
10/12/24 17:00		-1	546	236374
10/12/24 17:30		-1	546	236374
10/12/24 18:00		-1	546	236374
10/12/24 18:30		-1	546	236374
10/12/24 19:00		-1	546	236374
10/12/24 19:30		-1	546	236374
10/12/24 20:00		-1	545	236374
10/12/24 20:30		-1	545	236374
10/12/24 21:00		-1	545	236374
10/12/24 21:30		-1	545	236374
10/12/24 22:00		-1	546	236374
10/12/24 22:30		-1	546	236374
10/12/24 23:00		-1	546	236374
10/12/24 23:30		-1	546	236374
10/13/24 0:00		-1	546	236374
10/13/24 0:30		-1	546	236374
10/13/24 1:00		-1	545	236374
10/13/24 1:30		-1	545	236374
10/13/24 2:00		-1	545	236374
10/13/24 2:30		-1	545	236374
10/13/24 3:00		-1	545	236374
10/13/24 3:30		-1	545	236374
10/13/24 4:00		-1	545	236374
10/13/24 4:30		-1	545	236374
10/13/24 5:00		-1	545	236374
10/13/24 5:30		-1	545	236374
10/13/24 6:00		-1	545	236374
10/13/24 6:30		-1	545	236374
10/13/24 7:00		-1	545	236374
10/13/24 7:30		-1	545	236374
10/13/24 8:00		-1	545	236374
10/13/24 8:30		-1	545	236374
10/13/24 9:00		-1	545	236374
10/13/24 9:30		-1	545	236374
10/13/24 10:00		-1	545	236374
10/13/24 10:30		-1	546	236374
10/13/24 11:00		-1	546	236374
10/13/24 11:30		-1	545	236374
10/13/24 12:00		-1	545	236374
10/13/24 12:30		-1	545	236374
10/13/24 13:00		-1	545	236374
10/13/24 13:30		-1	545	236374
10/13/24 14:00		-1	545	236374
10/13/24 14:30		-1	545	236374
10/13/24 15:00		-1	545	236374
10/13/24 15:30		-1	545	236374
10/13/24 16:00		-1	545	236374
10/13/24 16:30		-1	544	236374
10/13/24 17:00		-1	545	236374
10/13/24 17:30		-1	545	236374
10/13/24 18:00		-1	545	236374
10/13/24 18:30		-1	545	236374
10/13/24 19:00		-1	545	236374
10/13/24 19:30		-1	545	236374
10/13/24 20:00		-1	544	236374
10/13/24 20:30		-1	544	236374
10/13/24 21:00		-1	544	236374

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
10/13/24 21:30		-1	545	236374
10/13/24 22:00		-1	545	236374
10/13/24 22:30		-1	545	236374
10/13/24 23:00		-1	545	236374
10/13/24 23:30		-1	545	236374
10/14/24 0:00		-1	545	236374
10/14/24 0:30		-1	544	236374
10/14/24 1:00		-1	544	236374
10/14/24 1:30		-1	544	236374
10/14/24 2:00		-1	544	236374
10/14/24 2:30		-1	544	236374
10/14/24 3:00		-1	544	236374
10/14/24 3:30		-1	544	236374
10/14/24 4:00		-1	544	236374
10/14/24 4:30		-1	544	236374
10/14/24 5:00		-1	544	236374
10/14/24 5:30		-1	544	236374
10/14/24 6:00		-1	544	236374
10/14/24 6:30		-1	544	236374
10/14/24 7:00		-1	544	236374
10/14/24 7:30		-1	544	236374
10/14/24 8:00		-1	544	236374
10/14/24 8:30		-1	544	236374
10/14/24 9:00		-1	544	236374
10/14/24 9:30		-1	544	236374
10/14/24 10:00		-1	544	236374
10/14/24 10:30		-1	544	236374
10/14/24 11:00		-1	544	236374
10/14/24 11:30		-1	544	236374
10/14/24 12:00		-1	544	236374
10/14/24 12:30		-1	544	236374
10/14/24 13:00		-1	544	236374
10/14/24 13:30		-1	544	236374
10/14/24 14:00		-1	544	236374
10/14/24 14:30		-1	544	236374
10/14/24 15:00		-1	544	236374
10/14/24 15:30		-1	544	236374
10/14/24 16:00		-1	544	236374
10/14/24 16:30		-1	544	236374
10/14/24 17:00		-1	544	236374
10/14/24 17:30		-1	544	236374
10/14/24 18:00		-1	544	236374
10/14/24 18:30		-1	544	236374
10/14/24 19:00		-1	543	236374
10/14/24 19:30		-1	543	236374
10/14/24 20:00		-1	543	236374
10/14/24 20:30		-1	543	236374
10/14/24 21:00		-1	543	236374
10/14/24 21:30		-1	543	236374
10/14/24 22:00		-1	544	236374
10/14/24 22:30		-1	544	236374
10/14/24 23:00		-1	544	236374
10/14/24 23:30		-1	544	236374
10/15/24 0:00		-1	544	236374
10/15/24 0:30		-1	543	236374
10/15/24 1:00		-1	543	236374
10/15/24 1:30		-1	543	236374
10/15/24 2:00		-1	543	236374
10/15/24 2:30		-1	543	236374
10/15/24 3:00		-1	543	236374
10/15/24 3:30		-1	543	236374
10/15/24 4:00		-1	543	236374

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
10/15/24 4:30		-1	543	236374
10/15/24 5:00		-1	543	236374
10/15/24 5:30		-1	543	236374
10/15/24 6:00		-1	543	236374
10/15/24 6:30		-1	543	236374
10/15/24 7:00		-1	543	236374
10/15/24 7:30		-1	543	236374
10/15/24 8:00		-1	543	236374
10/15/24 8:30		-1	543	236374
10/15/24 9:00		-1	543	236374
10/15/24 9:30		-1	543	236374
10/15/24 10:00		-1	543	236374
10/15/24 10:30		-1	543	236374
10/15/24 11:00		-1	543	236374
10/15/24 11:30		-1	544	236374
10/15/24 12:00		-1	543	236374
10/15/24 12:30		-1	543	236374
10/15/24 13:00		-1	543	236374
10/15/24 13:30		-1	543	236374
10/15/24 14:00		-1	543	236374
10/15/24 14:30		-1	543	236374
10/15/24 15:00		-1	543	236374
10/15/24 15:30		-1	543	236374
10/15/24 16:00		-1	543	236374
10/15/24 16:30		-1	543	236374
10/15/24 17:00		-1	543	236374
10/15/24 17:30		-1	542	236374
10/15/24 18:00		-1	542	236374
10/15/24 18:30		-1	542	236374
10/15/24 19:00		-1	542	236374
10/15/24 19:30		-1	543	236374
10/15/24 20:00		-1	543	236374
10/15/24 20:30		-1	543	236374
10/15/24 21:00		-1	543	236374
10/15/24 21:30		-1	543	236374
10/15/24 22:00		-1	543	236374
10/15/24 22:30		-1	543	236374
10/15/24 23:00		-1	543	236374
10/15/24 23:30		-1	543	236374
10/16/24 0:00		-1	542	236374
10/16/24 0:30		-1	542	236374
10/16/24 1:00		-1	542	236374
10/16/24 1:30		-1	542	236374
10/16/24 2:00		-1	542	236374
10/16/24 2:30		-1	542	236374
10/16/24 3:00		-1	542	236374
10/16/24 3:30		-1	542	236374
10/16/24 4:00		-1	542	236374
10/16/24 4:30		-1	542	236374
10/16/24 5:00		-1	542	236374
10/16/24 5:30		-1	542	236374
10/16/24 6:00		-1	542	236374
10/16/24 6:30		-1	542	236374
10/16/24 7:00		-1	542	236374
10/16/24 7:30		-1	542	236374
10/16/24 8:00		-1	542	236374
10/16/24 8:30		-1	542	236374
10/16/24 9:00		-1	542	236374
10/16/24 9:30		-1	542	236374
10/16/24 10:00		-1	542	236374
10/16/24 10:30		-1	542	236374
10/16/24 11:00		-1	542	236374

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
10/16/24 11:30		-1	542	236374
10/16/24 12:00		-1	542	236374
10/16/24 12:30		-1	542	236374
10/16/24 13:00		-1	542	236374
10/16/24 13:30		-1	542	236374
10/16/24 14:00		-1	542	236374
10/16/24 14:30		-1	542	236374
10/16/24 15:00		-1	542	236374
10/16/24 15:30		-1	542	236374
10/16/24 16:00		-1	542	236374
10/16/24 16:30		-1	542	236374
10/16/24 17:00		-1	542	236374
10/16/24 17:30		-1	541	236374
10/16/24 18:00		-1	541	236374
10/16/24 18:30		-1	541	236374
10/16/24 19:00		-1	541	236374
10/16/24 19:30		-1	542	236374
10/16/24 20:00		-1	542	236374
10/16/24 20:30		-1	542	236374
10/16/24 21:00		-1	542	236374
10/16/24 21:30		-1	542	236374
10/16/24 22:00		-1	542	236374
10/16/24 22:30		-1	542	236374
10/16/24 23:00		-1	542	236374
10/16/24 23:30		-1	541	236374
10/17/24 0:00		-1	541	236374
10/17/24 0:30		-1	541	236374
10/17/24 1:00		-1	541	236374
10/17/24 1:30		-1	541	236374
10/17/24 2:00		-1	541	236374
10/17/24 2:30		-1	541	236374
10/17/24 3:00		-1	541	236374
10/17/24 3:30		-1	541	236374
10/17/24 4:00		-1	541	236374
10/17/24 4:30		-1	541	236374
10/17/24 5:00		-1	541	236374
10/17/24 5:30		-1	541	236374
10/17/24 6:00		-1	541	236374
10/17/24 6:30		-1	541	236374
10/17/24 7:00		-1	541	236374
10/17/24 7:30		-1	541	236374
10/17/24 8:00		-1	541	236374
10/17/24 8:30		-1	541	236374
10/17/24 9:00		-1	541	236374
10/17/24 9:30		-1	541	236374
10/17/24 10:00		-1	541	236374
10/17/24 10:30		-1	541	236374
10/17/24 11:00		-1	541	236374
10/17/24 11:30		-1	542	236374
10/17/24 12:00		-1	541	236374
10/17/24 12:30		-1	541	236374
10/17/24 13:00		-1	541	236374
10/17/24 13:30		-1	541	236374
10/17/24 14:00		-1	541	236374
10/17/24 14:30		-1	541	236374
10/17/24 15:00		-1	541	236374
10/17/24 15:30		-1	541	236374
10/17/24 16:00		-1	541	236374
10/17/24 16:30		-1	541	236374
10/17/24 17:00		-1	541	236374
10/17/24 17:30		-1	541	236374
10/17/24 18:00		-1	541	236374

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
10/17/24 18:30		-1	541	236374
10/17/24 19:00		-1	541	236374
10/17/24 19:30		-1	541	236374
10/17/24 20:00		-1	540	236374
10/17/24 20:30		-1	540	236374
10/17/24 21:00		-1	541	236374
10/17/24 21:30		-1	541	236374
10/17/24 22:00		-1	541	236374
10/17/24 22:30		-1	541	236374
10/17/24 23:00		-1	541	236374
10/17/24 23:30		-1	541	236374
10/18/24 0:00		-1	541	236374
10/18/24 0:30		-1	541	236374
10/18/24 1:00		-1	541	236374
10/18/24 1:30		-1	540	236374
10/18/24 2:00		-1	541	236374
10/18/24 2:30		-1	540	236374
10/18/24 3:00		-1	540	236374
10/18/24 3:30		-1	540	236374
10/18/24 4:00		-1	540	236374
10/18/24 4:30		-1	540	236374
10/18/24 5:00		-1	540	236374
10/18/24 5:30		-1	540	236374
10/18/24 6:00		-1	540	236374
10/18/24 6:30		-1	540	236374
10/18/24 7:00		-1	540	236374
10/18/24 7:30		-1	540	236374
10/18/24 8:00		-1	540	236374
10/18/24 8:30		-1	540	236374
10/18/24 9:00		-1	540	236374
10/18/24 9:30		-1	540	236374
10/18/24 10:00		-1	540	236374
10/18/24 10:30		-1	540	236374
10/18/24 11:00		-1	540	236374
10/18/24 11:30		-1	540	236374
10/18/24 12:00		-1	540	236374
10/18/24 12:30		-1	540	236374
10/18/24 13:00		-1	540	236374
10/18/24 13:30		-1	540	236374
10/18/24 14:00		-1	540	236374
10/18/24 14:30		-1	540	236374
10/18/24 15:00		-1	540	236374
10/18/24 15:30		-1	540	236374
10/18/24 16:00		-1	540	236374
10/18/24 16:30		-1	540	236374
10/18/24 17:00		-1	540	236374
10/18/24 17:30		-1	540	236374
10/18/24 18:00		-1	540	236374
10/18/24 18:30		-1	540	236374
10/18/24 19:00		-1	540	236374
10/18/24 19:30		-1	540	236374
10/18/24 20:00		-1	540	236374
10/18/24 20:30		-1	540	236374
10/18/24 21:00		-1	540	236374
10/18/24 21:30		-1	540	236374
10/18/24 22:00		-1	540	236374
10/18/24 22:30		-1	540	236374
10/18/24 23:00		-1	540	236374
10/18/24 23:30		-1	540	236374
10/19/24 0:00		-1	539	236374
10/19/24 0:30		-1	539	236374
10/19/24 1:00		-1	539	236374



Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
10/19/24 1:30		-1	539	236374
10/19/24 2:00		-1	539	236374
10/19/24 2:30		-1	539	236374
10/19/24 3:00		-1	539	236374
10/19/24 3:30		-1	539	236374
10/19/24 4:00		-1	539	236374
10/19/24 4:30		-1	539	236374
10/19/24 5:00		-1	539	236374
10/19/24 5:30		-1	539	236374
10/19/24 6:00		-1	539	236374
10/19/24 6:30		-1	539	236374
10/19/24 7:00		-1	539	236374
10/19/24 7:30		-1	539	236374
10/19/24 8:00		-1	539	236374
10/19/24 8:30		-1	539	236374
10/19/24 9:00		-1	539	236374
10/19/24 9:30		-1	539	236374
10/19/24 10:00		-1	539	236374
10/19/24 10:30		-1	539	236374
10/19/24 11:00		-1	539	236374
10/19/24 11:30		-1	539	236374
10/19/24 12:00		-1	540	236374
10/19/24 12:30		-1	539	236374
10/19/24 13:00		-1	539	236374
10/19/24 13:30		-1	539	236374
10/19/24 14:00		-1	539	236374
10/19/24 14:30		-1	539	236374
10/19/24 15:00		-1	539	236374
10/19/24 15:30		-1	539	236374
10/19/24 16:00		-1	539	236374
10/19/24 16:30		-1	539	236374
10/19/24 17:00		-1	539	236374
10/19/24 17:30		-1	539	236374
10/19/24 18:00		-1	539	236374
10/19/24 18:30		-1	539	236374
10/19/24 19:00		-1	539	236374
10/19/24 19:30		-1	539	236374
10/19/24 20:00		-1	539	236374
10/19/24 20:30		-1	539	236374
10/19/24 21:00		-1	539	236374
10/19/24 21:30		-1	539	236374
10/19/24 22:00		-1	539	236374
10/19/24 22:30		-1	539	236374
10/19/24 23:00		-1	539	236374
10/19/24 23:30		-1	539	236374
10/20/24 0:00		-1	539	236374
10/20/24 0:30		-1	538	236374
10/20/24 1:00		-1	538	236374
10/20/24 1:30		-1	538	236374
10/20/24 2:00		-1	538	236374
10/20/24 2:30		-1	538	236374
10/20/24 3:00		-1	538	236374
10/20/24 3:30		-1	538	236374
10/20/24 4:00		-1	538	236374
10/20/24 4:30		-1	538	236374
10/20/24 5:00		-1	538	236374
10/20/24 5:30		-1	538	236374
10/20/24 6:00		-1	538	236374
10/20/24 6:30		-1	538	236374
10/20/24 7:00		-1	538	236374
10/20/24 7:30		-1	538	236374
10/20/24 8:00		-1	538	236374

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
10/20/24 8:30		-1	538	236374
10/20/24 9:00		-1	538	236374
10/20/24 9:30		-1	538	236374
10/20/24 10:00		-1	538	236374
10/20/24 10:30		-1	538	236374
10/20/24 11:00		-1	539	236374
10/20/24 11:30		-1	539	236374
10/20/24 12:00		-1	539	236374
10/20/24 12:30		-1	538	236374
10/20/24 13:00		-1	538	236374
10/20/24 13:30		-1	538	236374
10/20/24 14:00		-1	538	236374
10/20/24 14:30		-1	538	236374
10/20/24 15:00		-1	538	236374
10/20/24 15:30		-1	538	236374
10/20/24 16:00		-1	538	236374
10/20/24 16:30		-1	538	236374
10/20/24 17:00		-1	538	236374
10/20/24 17:30		-1	538	236374
10/20/24 18:00		-1	538	236374
10/20/24 18:30		-1	538	236374
10/20/24 19:00		-1	538	236374
10/20/24 19:30		-1	538	236374
10/20/24 20:00		-1	538	236374
10/20/24 20:30		-1	537	236374
10/20/24 21:00		-1	538	236374
10/20/24 21:30		-1	538	236374
10/20/24 22:00		-1	538	236374
10/20/24 22:30		-1	538	236374
10/20/24 23:00		-1	538	236374
10/20/24 23:30		-1	538	236374
10/21/24 0:00		-1	538	236374
10/21/24 0:30		-1	538	236374
10/21/24 1:00		-1	537	236374
10/21/24 1:30		-1	537	236374
10/21/24 2:00		-1	537	236374
10/21/24 2:30		-1	537	236374
10/21/24 3:00		-1	537	236374
10/21/24 3:30		-1	537	236374
10/21/24 4:00		-1	537	236374
10/21/24 4:30		-1	537	236374
10/21/24 5:00		-1	537	236374
10/21/24 5:30		-1	537	236374
10/21/24 6:00		-1	537	236374
10/21/24 6:30		-1	537	236374
10/21/24 7:00		-1	537	236374
10/21/24 7:30		-1	537	236374
10/21/24 8:00		-1	537	236374
10/21/24 8:30		-1	537	236374
10/21/24 9:00		-1	537	236374
10/21/24 9:30		-1	537	236374
10/21/24 10:00		-1	538	236374
10/21/24 10:30		-1	538	236374
10/21/24 11:00		-1	538	236374
10/21/24 11:30		-1	538	236374
10/21/24 12:00		-1	538	236374
10/21/24 12:30		-1	538	236374
10/21/24 13:00		-1	538	236374
10/21/24 13:30		-1	538	236374
10/21/24 14:00		-1	537	236374
10/21/24 14:30		-1	537	236374
10/21/24 15:00		-1	537	236374

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
10/21/24 15:30		-1	537	236374
10/21/24 16:00		-1	537	236374
10/21/24 16:30		-1	537	236374
10/21/24 17:00		-1	537	236374
10/21/24 17:30		-1	537	236374
10/21/24 18:00		-1	537	236374
10/21/24 18:30		-1	537	236374
10/21/24 19:00		-1	537	236374
10/21/24 19:30		-1	537	236374
10/21/24 20:00		-1	536	236374
10/21/24 20:30		-1	536	236374
10/21/24 21:00		-1	537	236374
10/21/24 21:30		-1	537	236374
10/21/24 22:00		-1	537	236374
10/21/24 22:30		-1	537	236374
10/21/24 23:00		-1	537	236374
10/21/24 23:30		-1	537	236374
10/22/24 0:00		-1	537	236374
10/22/24 0:30		-1	537	236374
10/22/24 1:00		-1	537	236374
10/22/24 1:30		-1	537	236374
10/22/24 2:00		-1	536	236374
10/22/24 2:30		-1	536	236374
10/22/24 3:00		-1	536	236374
10/22/24 3:30		-1	536	236374
10/22/24 4:00		-1	536	236374
10/22/24 4:30		-1	536	236374
10/22/24 5:00		-1	536	236374
10/22/24 5:30		-1	536	236374
10/22/24 6:00		-1	536	236374
10/22/24 6:30		-1	536	236374
10/22/24 7:00		-1	536	236374
10/22/24 7:30		-1	536	236374
10/22/24 8:00		-1	536	236374
10/22/24 8:30		-1	536	236374
10/22/24 9:00		-1	536	236374
10/22/24 9:30		-1	536	236374
10/22/24 10:00		-1	537	236374
10/22/24 10:30		-1	537	236374
10/22/24 11:00		-1	537	236374
10/22/24 11:30		-1	535	236374
10/22/24 12:00		-1	535	236374
10/22/24 12:30		-1	534	236374
10/22/24 13:00		-1	534	236374
10/22/24 13:30		-1	534	236374
10/22/24 14:00		-1	534	236374
10/22/24 14:30		-1	534	236374
10/22/24 15:00		-1	534	236374
10/22/24 15:30		-1	534	236374
10/22/24 16:00		-1	534	236374
10/22/24 16:30		-1	534	236374
10/22/24 17:00		-1	534	236374
10/22/24 17:30		-1	534	236374
10/22/24 18:00		-1	534	236374
10/22/24 18:30		-1	534	236374
10/22/24 19:00		-1	534	236374
10/22/24 19:30		-1	534	236374
10/22/24 20:00		-1	534	236374
10/22/24 20:30		-1	534	236374
10/22/24 21:00		-1	534	236374
10/22/24 21:30		-1	534	236374
10/22/24 22:00		-1	534	236374

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
10/22/24 22:30		-1	534	236374
10/22/24 23:00		-1	534	236374
10/22/24 23:30		-1	534	236374
10/23/24 0:00		-1	534	236374
10/23/24 0:30		-1	534	236374
10/23/24 1:00		-1	534	236374
10/23/24 1:30		-1	534	236374
10/23/24 2:00		-1	534	236374
10/23/24 2:30		-1	534	236374
10/23/24 3:00		-1	534	236374
10/23/24 3:30		-1	534	236374
10/23/24 4:00		-1	533	236374
10/23/24 4:30		-1	533	236374
10/23/24 5:00		-1	533	236374
10/23/24 5:30		-1	533	236374
10/23/24 6:00		-1	533	236374
10/23/24 6:30		-1	533	236374
10/23/24 7:00		-1	533	236374
10/23/24 7:30		-1	533	236374
10/23/24 8:00		-1	533	236374
10/23/24 8:30		-1	533	236374
10/23/24 9:00		-1	533	236374
10/23/24 9:30		-1	534	236374
10/23/24 10:00		-1	534	236374
10/23/24 10:30		-1	534	236374
10/23/24 11:00		-1	534	236374
10/23/24 11:30		-1	534	236374
10/23/24 12:00		-1	534	236374
10/23/24 12:30		-1	533	236374
10/23/24 13:00		-1	533	236374
10/23/24 13:30		-1	533	236374
10/23/24 14:00		-1	533	236374
10/23/24 14:30		-1	533	236374
10/23/24 15:00		-1	533	236374
10/23/24 15:30		-1	533	236374
10/23/24 16:00		-1	533	236374
10/23/24 16:30		-1	534	236374
10/23/24 17:00		-1	534	236374
10/23/24 17:30		-1	534	236374
10/23/24 18:00		-1	534	236374
10/23/24 18:30		-1	534	236374
10/23/24 19:00		-1	534	236374
10/23/24 19:30		-1	534	236374
10/23/24 20:00		-1	534	236374
10/23/24 20:30		-1	534	236374
10/23/24 21:00		-1	534	236374
10/23/24 21:30		-1	534	236374
10/23/24 22:00		-1	534	236374
10/23/24 22:30		-1	534	236374
10/23/24 23:00		-1	534	236374
10/23/24 23:30		-1	534	236374
10/24/24 0:00		-1	534	236374
10/24/24 0:30		-1	534	236374
10/24/24 1:00		-1	534	236374
10/24/24 1:30		-1	534	236374
10/24/24 2:00		-1	534	236374
10/24/24 2:30		-1	534	236374
10/24/24 3:00		-1	534	236374
10/24/24 3:30		-1	534	236374
10/24/24 4:00		-1	534	236374
10/24/24 4:30		-1	534	236374
10/24/24 5:00		-1	534	236374

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
10/24/24 5:30		-1	534	236374
10/24/24 6:00		-1	534	236374
10/24/24 6:30		-1	534	236374
10/24/24 7:00		-1	534	236374
10/24/24 7:30		-1	532	236374
10/24/24 8:00		-1	532	236374
10/24/24 8:30		-1	532	236374
10/24/24 9:00		-1	532	236374
10/24/24 9:30		-1	532	236374
10/24/24 10:00		-1	532	236374
10/24/24 10:30		-1	532	236374
10/24/24 11:00		-1	532	236374
10/24/24 11:30		-1	532	236374
10/24/24 12:00		-1	532	236374
10/24/24 12:30		-1	532	236374
10/24/24 13:00		-1	532	236374
10/24/24 13:30		-1	532	236374
10/24/24 14:00		-1	532	236374
10/24/24 14:30		-1	532	236374
10/24/24 15:00		-1	532	236374
10/24/24 15:30		-1	532	236374
10/24/24 16:00		-1	532	236374
10/24/24 16:30		-1	532	236374
10/24/24 17:00		-1	532	236374
10/24/24 17:30		-1	532	236374
10/24/24 18:00		-1	532	236374
10/24/24 18:30		-1	532	236374
10/24/24 19:00		-1	532	236374
10/24/24 19:30		-1	532	236374
10/24/24 20:00		-1	532	236374
10/24/24 20:30		-1	532	236374
10/24/24 21:00		-1	532	236374
10/24/24 21:30		-1	532	236374
10/24/24 22:00		-1	532	236374
10/24/24 22:30		-1	531	236374
10/24/24 23:00		-1	531	236374
10/24/24 23:30		-1	531	236374
10/25/24 0:00		-1	531	236374
10/25/24 0:30		-1	531	236374
10/25/24 1:00		-1	531	236374
10/25/24 1:30		-1	531	236374
10/25/24 2:00		-1	531	236374
10/25/24 2:30		-1	531	236374
10/25/24 3:00		-1	531	236374
10/25/24 3:30		-1	531	236374
10/25/24 4:00		-1	531	236374
10/25/24 4:30		-1	531	236374
10/25/24 5:00		-1	531	236374
10/25/24 5:30		-1	531	236374
10/25/24 6:00		-1	531	236374
10/25/24 6:30		-1	531	236374
10/25/24 7:00		-1	531	236374
10/25/24 7:30		-1	531	236374
10/25/24 8:00		-1	531	236374
10/25/24 8:30		-1	531	236374
10/25/24 9:00		-1	531	236374
10/25/24 9:30		-1	531	236374
10/25/24 10:00		-1	531	236374
10/25/24 10:30		-1	531	236374
10/25/24 11:00		-1	531	236374
10/25/24 11:30		-1	531	236374
10/25/24 12:00		-1	531	236374

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
10/25/24 12:30		-1	531	236374
10/25/24 13:00		-1	531	236374
10/25/24 13:30		-1	531	236374
10/25/24 14:00		-1	531	236374
10/25/24 14:30		-1	532	236374
10/25/24 15:00		-1	532	236374
10/25/24 15:30		-1	532	236374
10/25/24 16:00		-1	532	236374
10/25/24 16:30		-1	532	236374
10/25/24 17:00		-1	532	236374
10/25/24 17:30		-1	532	236374
10/25/24 18:00		-1	532	236374
10/25/24 18:30		-1	532	236374
10/25/24 19:00		-1	532	236374
10/25/24 19:30		-1	532	236374
10/25/24 20:00		-1	532	236374
10/25/24 20:30		-1	532	236374
10/25/24 21:00		-1	532	236374
10/25/24 21:30		-1	532	236374
10/25/24 22:00		-1	532	236374
10/25/24 22:30		-1	532	236374
10/25/24 23:00		-1	532	236374
10/25/24 23:30		-1	533	236374
10/26/24 0:00		-1	533	236374
10/26/24 0:30		-1	533	236374
10/26/24 1:00		-1	533	236374
10/26/24 1:30		-1	533	236374
10/26/24 2:00		-1	533	236374
10/26/24 2:30		-1	533	236374
10/26/24 3:00		-1	533	236374
10/26/24 3:30		-1	533	236374
10/26/24 4:00		-1	533	236374
10/26/24 4:30		-1	533	236374
10/26/24 5:00		-1	533	236374
10/26/24 5:30		-1	533	236374
10/26/24 6:00		-1	533	236374
10/26/24 6:30		-1	533	236374
10/26/24 7:00		-1	533	236374
10/26/24 7:30		-1	533	236374
10/26/24 8:00		-1	532	236374
10/26/24 8:30		-1	532	236374
10/26/24 9:00		-1	532	236374
10/26/24 9:30		-1	532	236374
10/26/24 10:00		-1	532	236374
10/26/24 10:30		-1	532	236374
10/26/24 11:00		-1	532	236374
10/26/24 11:30		-1	532	236374
10/26/24 12:00		-1	532	236374
10/26/24 12:30		-1	532	236374
10/26/24 13:00		-1	532	236374
10/26/24 13:30		-1	532	236374
10/26/24 14:00		-1	532	236374
10/26/24 14:30		-1	532	236374
10/26/24 15:00		-1	532	236374
10/26/24 15:30		-1	532	236374
10/26/24 16:00		-1	532	236374
10/26/24 16:30		-1	532	236374
10/26/24 17:00		-1	532	236374
10/26/24 17:30		-1	532	236374
10/26/24 18:00		-1	532	236374
10/26/24 18:30		-1	532	236374
10/26/24 19:00		-1	532	236374

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
10/26/24 19:30		-1	532	236374
10/26/24 20:00		-1	532	236374
10/26/24 20:30		-1	532	236374
10/26/24 21:00		-1	532	236374
10/26/24 21:30		-1	532	236374
10/26/24 22:00		-1	532	236374
10/26/24 22:30		-1	532	236374
10/26/24 23:00		-1	532	236374
10/26/24 23:30		-1	532	236374
10/27/24 0:00		-1	532	236374
10/27/24 0:30		-1	532	236374
10/27/24 1:00		-1	532	236374
10/27/24 1:30		-1	532	236374
10/27/24 2:00		-1	532	236374
10/27/24 2:30		-1	532	236374
10/27/24 3:00		-1	532	236374
10/27/24 3:30		-1	532	236374
10/27/24 4:00		-1	532	236374
10/27/24 4:30		-1	532	236374
10/27/24 5:00		-1	532	236374
10/27/24 5:30		-1	532	236374
10/27/24 6:00		-1	532	236374
10/27/24 6:30		-1	532	236374
10/27/24 7:00		-1	532	236374
10/27/24 7:30		-1	532	236374
10/27/24 8:00		-1	532	236374
10/27/24 8:30		-1	532	236374
10/27/24 9:00		-1	532	236374
10/27/24 9:30		-1	532	236374
10/27/24 10:00		-1	532	236374
10/27/24 10:30		-1	532	236374
10/27/24 11:00		-1	532	236374
10/27/24 11:30		-1	532	236374
10/27/24 12:00		-1	532	236374
10/27/24 12:30		-1	532	236374
10/27/24 13:00		-1	532	236374
10/27/24 13:30		-1	532	236374
10/27/24 14:00		-1	532	236374
10/27/24 14:30		-1	532	236374
10/27/24 15:00		-1	532	236374
10/27/24 15:30		-1	532	236374
10/27/24 16:00		-1	532	236374
10/27/24 16:30		-1	532	236374
10/27/24 17:00		-1	532	236374
10/27/24 17:30		-1	532	236374
10/27/24 18:00		-1	532	236374
10/27/24 18:30		-1	532	236374
10/27/24 19:00		-1	532	236374
10/27/24 19:30		-1	532	236374
10/27/24 20:00		-1	532	236374
10/27/24 20:30		-1	532	236374
10/27/24 21:00		-1	532	236374
10/27/24 21:30		-1	532	236374
10/27/24 22:00		-1	532	236374
10/27/24 22:30		-1	532	236374
10/27/24 23:00		-1	532	236374
10/27/24 23:30		-1	532	236374
10/28/24 0:00		-1	532	236374
10/28/24 0:30		-1	532	236374
10/28/24 1:00		-1	532	236374
10/28/24 1:30		-1	532	236374
10/28/24 2:00		-1	532	236374

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
10/28/24 2:30		-1	532	236374
10/28/24 3:00		-1	532	236374
10/28/24 3:30		-1	532	236374
10/28/24 4:00		-1	532	236374
10/28/24 4:30		-1	532	236374
10/28/24 5:00		-1	532	236374
10/28/24 5:30		-1	532	236374
10/28/24 6:00		-1	532	236374
10/28/24 6:30		-1	532	236374
10/28/24 7:00		-1	532	236374
10/28/24 7:30		-1	532	236374
10/28/24 8:00		-1	532	236374
10/28/24 8:30		-1	532	236374
10/28/24 9:00		-1	532	236374
10/28/24 9:30		-1	532	236374
10/28/24 10:00		-1	532	236374
10/28/24 10:30		-1	532	236374
10/28/24 11:00		-1	532	236374
10/28/24 11:30		-1	532	236374
10/28/24 12:00		-1	532	236374
10/28/24 12:30		-1	532	236374
10/28/24 13:00		-1	532	236374
10/28/24 13:30		-1	532	236374
10/28/24 14:00		-1	532	236374
10/28/24 14:30		-1	532	236374
10/28/24 15:00		-1	532	236374
10/28/24 15:30		-1	532	236374
10/28/24 16:00		-1	532	236374
10/28/24 16:30		-1	532	236374
10/28/24 17:00		-1	532	236374
10/28/24 17:30		-1	532	236374
10/28/24 18:00		-1	532	236374
10/28/24 18:30		-1	532	236374
10/28/24 19:00		-1	532	236374
10/28/24 19:30		-1	532	236374
10/28/24 20:00		-1	532	236374
10/28/24 20:30		-1	532	236374
10/28/24 21:00		-1	532	236374
10/28/24 21:30		-1	532	236374
10/28/24 22:00		-1	532	236374
10/28/24 22:30		-1	532	236374
10/28/24 23:00		-1	532	236374
10/28/24 23:30		-1	532	236374
10/29/24 0:00		-1	532	236374
10/29/24 0:30		-1	532	236374
10/29/24 1:00		-1	532	236374
10/29/24 1:30		-1	532	236374
10/29/24 2:00		-1	532	236374
10/29/24 2:30		-1	532	236374
10/29/24 3:00		-1	532	236374
10/29/24 3:30		-1	532	236374
10/29/24 4:00		-1	532	236374
10/29/24 4:30		-1	532	236374
10/29/24 5:00		-1	532	236374
10/29/24 5:30		-1	532	236374
10/29/24 6:00		-1	532	236374
10/29/24 6:30		-1	532	236374
10/29/24 7:00		-1	532	236374
10/29/24 7:30		-1	532	236374
10/29/24 8:00		-1	532	236374
10/29/24 8:30		-1	532	236374
10/29/24 9:00		-1	532	236374



Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
10/29/24 9:30		-1	532	236374
10/29/24 10:00		-1	532	236374
10/29/24 10:30		-1	532	236374
10/29/24 11:00		-1	532	236374
10/29/24 11:30		-1	532	236374
10/29/24 12:00		-1	532	236374
10/29/24 12:30		-1	532	236374
10/29/24 13:00		-1	532	236374
10/29/24 13:30		-1	532	236374
10/29/24 14:00		-1	532	236374
10/29/24 14:30		-1	532	236374
10/29/24 15:00		-1	532	236374
10/29/24 15:30		-1	532	236374
10/29/24 16:00		-1	532	236374
10/29/24 16:30		-1	532	236374
10/29/24 17:00		-1	532	236374
10/29/24 17:30		-1	532	236374
10/29/24 18:00		-1	532	236374
10/29/24 18:30		-1	532	236374
10/29/24 19:00		-1	532	236374
10/29/24 19:30		-1	532	236374
10/29/24 20:00		-1	532	236374
10/29/24 20:30		-1	532	236374
10/29/24 21:00		-1	532	236374
10/29/24 21:30		-1	532	236374
10/29/24 22:00		-1	532	236374
10/29/24 22:30		-1	532	236374
10/29/24 23:00		-1	532	236374
10/29/24 23:30		-1	532	236374
10/30/24 0:00		-1	532	236374
10/30/24 0:30		-1	532	236374
10/30/24 1:00		-1	532	236374
10/30/24 1:30		-1	532	236374
10/30/24 2:00		-1	532	236374
10/30/24 2:30		-1	532	236374
10/30/24 3:00		-1	532	236374
10/30/24 3:30		-1	531	236374
10/30/24 4:00		-1	531	236374
10/30/24 4:30		-1	531	236374
10/30/24 5:00		-1	531	236374
10/30/24 5:30		-1	531	236374
10/30/24 6:00		-1	531	236374
10/30/24 6:30		-1	531	236374
10/30/24 7:00		-1	531	236374
10/30/24 7:30		-1	531	236374
10/30/24 8:00		-1	531	236374
10/30/24 8:30		-1	531	236374
10/30/24 9:00		-1	531	236374
10/30/24 9:30		-1	531	236374
10/30/24 10:00		-1	531	236374
10/30/24 10:30		-1	531	236374
10/30/24 11:00		-1	531	236374
10/30/24 11:30		-1	531	236374
10/30/24 12:00		-1	531	236374
10/30/24 12:30		-1	531	236374
10/30/24 13:00		-1	531	236374
10/30/24 13:30		-1	531	236374
10/30/24 14:00		-1	531	236374
10/30/24 14:30		-1	531	236374
10/30/24 15:00		-1	531	236374
10/30/24 15:30		-1	531	236374
10/30/24 16:00		-1	531	236374

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
10/30/24 16:30		-1	531	236374
10/30/24 17:00		-1	531	236374
10/30/24 17:30		-1	531	236374
10/30/24 18:00		1	531	236374
10/30/24 18:30		-1	531	236374
10/30/24 19:00		-1	531	236374
10/30/24 19:30		-1	531	236374
10/30/24 20:00		-1	531	236374
10/30/24 20:30		-1	531	236374
10/30/24 21:00		-1	531	236374
10/30/24 21:30		-1	531	236374
10/30/24 22:00		-1	531	236374
10/30/24 22:30		-1	531	236374
10/30/24 23:00		-1	531	236374
10/30/24 23:30		-1	531	236374
10/31/24 0:00		-1	531	236374
10/31/24 0:30		-1	531	236374
10/31/24 1:00		-1	531	236374
10/31/24 1:30		-1	531	236374
10/31/24 2:00		-1	531	236374
10/31/24 2:30		-1	531	236374
10/31/24 3:00		-1	531	236374
10/31/24 3:30		-1	531	236374
10/31/24 4:00		-1	531	236374
10/31/24 4:30		-1	531	236374
10/31/24 5:00		-1	531	236374
10/31/24 5:30		-1	531	236374
10/31/24 6:00		-1	531	236374
10/31/24 6:30		1	531	236374
10/31/24 7:00		-1	531	236374
10/31/24 7:30		-1	531	236374
10/31/24 8:00		-1	531	236374
10/31/24 8:30		-1	531	236374
10/31/24 9:00		-1	531	236374
10/31/24 9:30		-1	531	236374
10/31/24 10:00		-1	531	236374
10/31/24 10:30		-1	531	236374
10/31/24 11:00		-1	531	236374
10/31/24 11:30		-1	531	236374
10/31/24 12:00		-1	531	236374
10/31/24 12:30		-1	531	236374
10/31/24 13:00		-1	531	236374
10/31/24 13:30		-1	531	236374
10/31/24 14:00		-1	531	236374
10/31/24 14:30		-1	531	236374
10/31/24 15:00		-1	531	236374
10/31/24 15:30		-1	531	236374
10/31/24 16:00		-1	531	236374
10/31/24 16:30		-1	531	236374
10/31/24 17:00		-1	531	236374
10/31/24 17:30		-1	531	236374
10/31/24 18:00		-1	531	236374
10/31/24 18:30		-1	531	236374
10/31/24 19:00		-1	531	236374
10/31/24 19:30		-1	531	236374
10/31/24 20:00		-1	531	236374
10/31/24 20:30		-1	531	236374
10/31/24 21:00		-1	531	236374
10/31/24 21:30		-1	531	236374
10/31/24 22:00		-1	531	236374
10/31/24 22:30		-1	531	236374
10/31/24 23:00		-1	531	236374

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
10/31/24 23:30		-1	531	236374
11/1/24 0:00		-1	524	236374
11/1/24 0:30		-1	524	236374
11/1/24 1:00		-1	524	236374
11/1/24 1:30		-1	524	236374
11/1/24 2:00		-1	524	236374
11/1/24 2:30		-1	524	236374
11/1/24 3:00		-1	524	236374
11/1/24 3:30		-1	524	236374
11/1/24 4:00		-1	524	236374
11/1/24 4:30		-1	524	236374
11/1/24 5:00		-1	524	236374
11/1/24 5:30		-1	524	236374
11/1/24 6:00		-1	524	236374
11/1/24 6:30		-1	524	236374
11/1/24 7:00		-1	524	236374
11/1/24 7:30		-1	524	236374
11/1/24 8:00		-1	524	236374
11/1/24 8:30		-1	524	236374
11/1/24 9:00		-1	524	236374
11/1/24 9:30		-1	524	236374
11/1/24 10:00		-1	524	236374
11/1/24 10:30		-1	524	236374
11/1/24 11:00		-1	524	236374
11/1/24 11:30		-1	524	236374
11/1/24 12:00		-1	524	236374
11/1/24 12:30		-1	524	236374
11/1/24 13:00		-1	524	236374
11/1/24 13:30		-1	524	236374
11/1/24 14:00		-1	524	236374
11/1/24 14:30		-1	524	236374
11/1/24 15:00		-1	524	236374
11/1/24 15:30		-1	524	236374
11/1/24 16:00		-1	524	236374
11/1/24 16:30		-1	524	236374
11/1/24 17:00		-1	523	236374
11/1/24 17:30		-1	523	236374
11/1/24 18:00		-1	523	236374
11/1/24 18:30		-1	523	236374
11/1/24 19:00		-1	523	236374
11/1/24 19:30		-1	523	236374
11/1/24 20:00		-1	523	236374
11/1/24 20:30		-1	523	236374
11/1/24 21:00		-1	523	236374
11/1/24 21:30		-1	523	236374
11/1/24 22:00		-1	523	236374
11/1/24 22:30		-1	523	236374
11/1/24 23:00		-1	523	236374
11/1/24 23:30		-1	523	236374
11/2/24 0:00		-1	523	236374
11/2/24 0:30		-1	523	236374
11/2/24 1:00		-1	523	236374
11/2/24 1:30		-1	523	236374
11/2/24 2:00		-1	523	236374
11/2/24 2:30		-1	523	236374
11/2/24 3:00		-1	523	236374
11/2/24 3:30		-1	523	236374
11/2/24 4:00		-1	523	236374
11/2/24 4:30		-1	523	236374
11/2/24 5:00		-1	523	236374
11/2/24 5:30		-1	523	236374
11/2/24 6:00		-1	523	236374

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
11/2/24 6:30		-1	523	236374
11/2/24 7:00		-1	523	236374
11/2/24 7:30		-1	523	236374
11/2/24 8:00		-1	523	236374
11/2/24 8:30		-1	523	236374
11/2/24 9:00		-1	523	236374
11/2/24 9:30		-1	523	236374
11/2/24 10:00		-1	523	236374
11/2/24 10:30		-1	523	236374
11/2/24 11:00		-1	523	236374
11/2/24 11:30		-1	523	236374
11/2/24 12:00		-1	523	236374
11/2/24 12:30		-1	523	236374
11/2/24 13:00		-1	523	236374
11/2/24 13:30		-1	523	236374
11/2/24 14:00		-1	523	236374
11/2/24 14:30		-1	523	236374
11/2/24 15:00		-1	523	236374
11/2/24 15:30		-1	523	236374
11/2/24 16:00		-1	523	236374
11/2/24 16:30		-1	523	236374
11/2/24 17:00		-1	523	236374
11/2/24 17:30		-1	523	236374
11/2/24 18:00		-1	523	236374
11/2/24 18:30		-1	523	236374
11/2/24 19:00		-1	523	236374
11/2/24 19:30		-1	523	236374
11/2/24 20:00		-1	523	236374
11/2/24 20:30		-1	523	236374
11/2/24 21:00		-1	523	236374
11/2/24 21:30		-1	523	236374
11/2/24 22:00		-1	523	236374
11/2/24 22:30		-1	523	236374
11/2/24 23:00		-1	523	236374
11/2/24 23:30		-1	523	236374
11/3/24 0:00		-1	523	236374
11/3/24 0:30		-1	523	236374
11/3/24 1:00		-1	523	236374
11/3/24 1:30		-1	523	236374
11/3/24 1:00		-1	523	236374
11/3/24 1:30		-1	523	236374
11/3/24 2:00		-1	523	236374
11/3/24 2:30		-1	523	236374
11/3/24 3:00		-1	523	236374
11/3/24 3:30		-1	523	236374
11/3/24 4:00		-1	523	236374
11/3/24 4:30		-1	523	236374
11/3/24 5:00		-1	523	236374
11/3/24 5:30		-1	523	236374
11/3/24 6:00		-1	523	236374
11/3/24 6:30		-1	523	236374
11/3/24 7:00		-1	523	236374
11/3/24 7:30		-1	523	236374
11/3/24 8:00		-1	523	236374
11/3/24 8:30		-1	523	236374
11/3/24 9:00		-1	523	236374
11/3/24 9:30		-1	523	236374
11/3/24 10:00		-1	523	236374
11/3/24 10:30		-1	523	236374
11/3/24 11:00		-1	523	236374
11/3/24 11:30		-1	523	236374
11/3/24 12:00		-1	523	236374

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
11/3/24 12:30		-1	523	236374
11/3/24 13:00		-1	523	236374
11/3/24 13:30		-1	523	236374
11/3/24 14:00		-1	523	236374
11/3/24 14:30		-1	523	236374
11/3/24 15:00		-1	523	236374
11/3/24 15:30		-1	523	236374
11/3/24 16:00		-1	523	236374
11/3/24 16:30		-1	523	236374
11/3/24 17:00		-1	523	236374
11/3/24 17:30		-1	523	236374
11/3/24 18:00		-1	523	236374
11/3/24 18:30		-1	523	236374
11/3/24 19:00		-1	523	236374
11/3/24 19:30		-1	523	236374
11/3/24 20:00		-1	523	236374
11/3/24 20:30		-1	523	236374
11/3/24 21:00		-1	523	236374
11/3/24 21:30		-1	523	236374
11/3/24 22:00		-1	523	236374
11/3/24 22:30		-1	523	236374
11/3/24 23:00		-1	523	236374
11/3/24 23:30		-1	523	236374
11/4/24 0:00		-1	523	236374
11/4/24 0:30		-1	523	236374
11/4/24 1:00		-1	523	236374
11/4/24 1:30		-1	523	236374
11/4/24 2:00		-1	523	236374
11/4/24 2:30		-1	523	236374
11/4/24 3:00		-1	523	236374
11/4/24 3:30		-1	523	236374
11/4/24 4:00		-1	523	236374
11/4/24 4:30		-1	523	236374
11/4/24 5:00		-1	523	236374
11/4/24 5:30		-1	523	236374
11/4/24 6:00		-1	523	236374
11/4/24 6:30		-1	523	236374
11/4/24 7:00		-1	523	236374
11/4/24 7:30		-1	523	236374
11/4/24 8:00		-1	523	236374
11/4/24 8:30		-1	523	236374
11/4/24 9:00		-1	523	236374
11/4/24 9:30		-1	523	236374
11/4/24 10:00		-1	523	236374
11/4/24 10:30		-1	523	236374
11/4/24 11:00		-1	522	236374
11/4/24 11:30		-1	522	236374
11/4/24 12:00		-1	522	236374
11/4/24 12:30		-1	522	236374
11/4/24 13:00		-1	522	236374
11/4/24 13:30		-1	522	236374
11/4/24 14:00		-1	522	236374
11/4/24 14:30		-1	522	236374
11/4/24 15:00		-1	522	236374
11/4/24 15:30		-1	522	236374
11/4/24 16:00		-1	522	236374
11/4/24 16:30		-1	522	236374
11/4/24 17:00		-1	522	236374
11/4/24 17:30		-1	522	236374
11/4/24 18:00		-1	522	236374
11/4/24 18:30		-1	522	236374
11/4/24 19:00		-1	522	236374

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
11/4/24 19:30		-1	522	236374
11/4/24 20:00		-1	522	236374
11/4/24 20:30		-1	522	236374
11/4/24 21:00		-1	522	236374
11/4/24 21:30		-1	522	236374
11/4/24 22:00		-1	522	236374
11/4/24 22:30		-1	522	236374
11/4/24 23:00		-1	522	236374
11/4/24 23:30		-1	522	236374
11/5/24 0:00		-1	522	236374
11/5/24 0:30		-1	522	236374
11/5/24 1:00		-1	522	236374
11/5/24 1:30		-1	522	236374
11/5/24 2:00		-1	522	236374
11/5/24 2:30		-1	522	236374
11/5/24 3:00		-1	522	236374
11/5/24 3:30		-1	522	236374
11/5/24 4:00		-1	522	236374
11/5/24 4:30		-1	521	236374
11/5/24 5:00		-1	521	236374
11/5/24 5:30		-1	521	236374
11/5/24 6:00		-1	521	236374
11/5/24 6:30		-1	521	236374
11/5/24 7:00		-1	521	236374
11/5/24 7:30		-1	521	236374
11/5/24 8:00		-1	521	236374
11/5/24 8:30		-1	521	236374
11/5/24 9:00		-1	521	236374
11/5/24 9:30		-1	521	236374
11/5/24 10:00		-1	521	236374
11/5/24 10:30		-1	521	236374
11/5/24 11:00		-1	521	236374
11/5/24 11:30		-1	521	236374
11/5/24 12:00		-1	521	236374
11/5/24 12:30		-1	521	236374
11/5/24 13:00		-1	521	236374
11/5/24 13:30		-1	521	236374
11/5/24 14:00		-1	521	236374
11/5/24 14:30		-1	521	236374
11/5/24 15:00		-1	521	236374
11/5/24 15:30		-1	521	236374
11/5/24 16:00		-1	521	236374
11/5/24 16:30		-1	521	236374
11/5/24 17:00		-1	521	236374
11/5/24 17:30		-1	521	236374
11/5/24 18:00		-1	520	236374
11/5/24 18:30		-1	520	236374
11/5/24 19:00		-1	520	236374
11/5/24 19:30		-1	520	236374
11/5/24 20:00		-1	520	236374
11/5/24 20:30		-1	520	236374
11/5/24 21:00		-1	520	236374
11/5/24 21:30		-1	520	236374
11/5/24 22:00		-1	520	236374
11/5/24 22:30		-1	520	236374
11/5/24 23:00		-1	520	236374
11/5/24 23:30		-1	520	236374
11/6/24 0:00		-1	520	236374
11/6/24 0:30		-1	520	236374
11/6/24 1:00		-1	520	236374
11/6/24 1:30		-1	520	236374
11/6/24 2:00		-1	520	236374

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
11/6/24 2:30		-1	520	236374
11/6/24 3:00		-1	520	236374
11/6/24 3:30		-1	520	236374
11/6/24 4:00		-1	520	236374
11/6/24 4:30		-1	520	236374
11/6/24 5:00		-1	520	236374
11/6/24 5:30		-1	520	236374
11/6/24 6:00		-1	520	236374
11/6/24 6:30		-1	520	236374
11/6/24 7:00		-1	520	236374
11/6/24 7:30		-1	520	236374
11/6/24 8:00		-1	520	236374
11/6/24 8:30		-1	520	236374
11/6/24 9:00		-1	520	236374
11/6/24 9:30		-1	520	236374
11/6/24 10:00		-1	520	236374
11/6/24 10:30		-1	520	236374
11/6/24 11:00		-1	520	236374
11/6/24 11:30		-1	520	236374
11/6/24 12:00		-1	520	236374
11/6/24 12:30		-1	520	236374
11/6/24 13:00		-1	520	236374
11/6/24 13:30		-1	520	236374
11/6/24 14:00		-1	520	236374
11/6/24 14:30		-1	520	236374
11/6/24 15:00		-1	520	236374
11/6/24 15:30		-1	520	236374
11/6/24 16:00		-1	520	236374
11/6/24 16:30		-1	520	236374
11/6/24 17:00		-1	520	236374
11/6/24 17:30		-1	520	236374
11/6/24 18:00		-1	520	236374
11/6/24 18:30		-1	520	236374
11/6/24 19:00		-1	520	236374
11/6/24 19:30		-1	520	236374
11/6/24 20:00		-1	520	236374
11/6/24 20:30		-1	520	236374
11/6/24 21:00		-1	520	236374
11/6/24 21:30		-1	520	236374
11/6/24 22:00		-1	520	236374
11/6/24 22:30		-1	520	236374
11/6/24 23:00		-1	520	236374
11/6/24 23:30		-1	520	236374
11/7/24 0:00		-1	520	236374
11/7/24 0:30		-1	520	236374
11/7/24 1:00		-1	520	236374
11/7/24 1:30		-1	520	236374
11/7/24 2:00		-1	520	236374
11/7/24 2:30		-1	520	236374
11/7/24 3:00		-1	520	236374
11/7/24 3:30		-1	520	236374
11/7/24 4:00		-1	520	236374
11/7/24 4:30		-1	520	236374
11/7/24 5:00		-1	520	236374
11/7/24 5:30		-1	520	236374
11/7/24 6:00		-1	520	236374
11/7/24 6:30		-1	520	236374
11/7/24 7:00		-1	520	236374
11/7/24 7:30		-1	520	236374
11/7/24 8:00		-1	520	236374
11/7/24 8:30		-1	520	236374
11/7/24 9:00		-1	520	236374

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
11/7/24 9:30		-1	520	236374
11/7/24 10:00		-1	520	236374
11/7/24 10:30		-1	520	236374
11/7/24 11:00		-1	520	236374
11/7/24 11:30		-1	520	236374
11/7/24 12:00		-1	520	236374
11/7/24 12:30		-1	520	236374
11/7/24 13:00		-1	520	236374
11/7/24 13:30		-1	520	236374
11/7/24 14:00		-1	520	236374
11/7/24 14:30		-1	520	236374
11/7/24 15:00		-1	520	236374
11/7/24 15:30		-1	520	236374
11/7/24 16:00		-1	520	236374
11/7/24 16:30		-1	520	236374
11/7/24 17:00		-1	520	236374
11/7/24 17:30		-1	520	236374
11/7/24 18:00		-1	520	236374
11/7/24 18:30		-1	520	236374
11/7/24 19:00		-1	520	236374
11/7/24 19:30		-1	520	236374
11/7/24 20:00		-1	520	236374
11/7/24 20:30		-1	520	236374
11/7/24 21:00		-1	520	236374
11/7/24 21:30		-1	520	236374
11/7/24 22:00		-1	520	236374
11/7/24 22:30		-1	520	236374
11/7/24 23:00		-1	520	236374
11/7/24 23:30		-1	520	236374
11/8/24 0:00		-1	520	236374
11/8/24 0:30		-1	520	236374
11/8/24 1:00		-1	520	236374
11/8/24 1:30		-1	520	236374
11/8/24 2:00		-1	520	236374
11/8/24 2:30		-1	520	236374
11/8/24 3:00		-1	520	236374
11/8/24 3:30		-1	520	236374
11/8/24 4:00		-1	520	236374
11/8/24 4:30		-1	520	236374
11/8/24 5:00		-1	520	236374
11/8/24 5:30		-1	520	236374
11/8/24 6:00		-1	520	236374
11/8/24 6:30		-1	520	236374
11/8/24 7:00		-1	520	236374
11/8/24 7:30		-1	520	236374
11/8/24 8:00		-1	520	236374
11/8/24 8:30		-1	521	236374
11/8/24 9:00		-1	521	236374
11/8/24 9:30		-1	522	236374
11/8/24 10:00		-1	521	236374
11/8/24 10:30		-1	521	236374
11/8/24 11:00		-1	521	236374
11/8/24 11:30		-1	521	236374
11/8/24 12:00		-1	521	236374
11/8/24 12:30		-1	521	236374
11/8/24 13:00		-1	521	236374
11/8/24 13:30		-1	521	236374
11/8/24 14:00		-1	521	236374
11/8/24 14:30		-1	521	236374
11/8/24 15:00		-1	521	236374
11/8/24 15:30		-1	521	236374
11/8/24 16:00		-1	521	236374



Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
11/8/24 16:30		-1	521	236374
11/8/24 17:00		-1	521	236374
11/8/24 17:30		-1	521	236374
11/8/24 18:00		-1	521	236374
11/8/24 18:30		-1	521	236374
11/8/24 19:00		-1	521	236374
11/8/24 19:30		-1	521	236374
11/8/24 20:00		-1	521	236374
11/8/24 20:30		-1	521	236374
11/8/24 21:00		-1	521	236374
11/8/24 21:30		-1	521	236374
11/8/24 22:00		-1	521	236374
11/8/24 22:30		-1	521	236374
11/8/24 23:00		-1	521	236374
11/8/24 23:30		-1	521	236374
11/9/24 0:00		-1	521	236374
11/9/24 0:30		-1	521	236374
11/9/24 1:00		-1	521	236374
11/9/24 1:30		-1	521	236374
11/9/24 2:00		-1	521	236374
11/9/24 2:30		-1	521	236374
11/9/24 3:00		-1	521	236374
11/9/24 3:30		-1	522	236374
11/9/24 4:00		-1	522	236374
11/9/24 4:30		-1	522	236374
11/9/24 5:00		-1	522	236374
11/9/24 5:30		-1	522	236374
11/9/24 6:00		-1	522	236374
11/9/24 6:30		-1	522	236374
11/9/24 7:00		-1	522	236374
11/9/24 7:30		-1	522	236374
11/9/24 8:00		-1	522	236374
11/9/24 8:30		-1	522	236374
11/9/24 9:00		-1	522	236374
11/9/24 9:30		-1	522	236374
11/9/24 10:00		-1	522	236374
11/9/24 10:30		-1	522	236374
11/9/24 11:00		-1	522	236374
11/9/24 11:30		-1	522	236374
11/9/24 12:00		-1	523	236374
11/9/24 12:30		-1	523	236374
11/9/24 13:00		-1	523	236374
11/9/24 13:30		-1	523	236374
11/9/24 14:00		-1	523	236374
11/9/24 14:30		-1	523	236374
11/9/24 15:00		-1	522	236374
11/9/24 15:30		-1	522	236374
11/9/24 16:00		-1	519	236374
11/9/24 16:30		-1	522	236374
11/9/24 17:00		-1	522	236374
11/9/24 17:30		-1	522	236374
11/9/24 18:00		-1	522	236374
11/9/24 18:30		-1	522	236374
11/9/24 19:00		-1	522	236374
11/9/24 19:30		-1	521	236374
11/9/24 20:00		-1	521	236374
11/9/24 20:30		-1	520	236374
11/9/24 21:00		-1	520	236374
11/9/24 21:30		-1	520	236374
11/9/24 22:00		-1	520	236374
11/9/24 22:30		-1	520	236374
11/9/24 23:00		-1	520	236374

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
11/9/24 23:30		-1	520	236374
11/10/24 0:00		-1	520	236374
11/10/24 0:30		-1	520	236374
11/10/24 1:00		-1	520	236374
11/10/24 1:30		-1	520	236374
11/10/24 2:00		-1	520	236374
11/10/24 2:30		-1	520	236374
11/10/24 3:00		-1	520	236374
11/10/24 3:30		-1	520	236374
11/10/24 4:00		-1	520	236374
11/10/24 4:30		-1	520	236374
11/10/24 5:00		-1	520	236374
11/10/24 5:30		-1	520	236374
11/10/24 6:00		-1	520	236374
11/10/24 6:30		-1	520	236374
11/10/24 7:00		-1	520	236374
11/10/24 7:30		-1	520	236374
11/10/24 8:00		-1	520	236374
11/10/24 8:30		-1	520	236374
11/10/24 9:00		-1	520	236374
11/10/24 9:30		-1	520	236374
11/10/24 10:00		-1	520	236374
11/10/24 10:30		-1	520	236374
11/10/24 11:00		-1	520	236374
11/10/24 11:30		-1	520	236374
11/10/24 12:00		-1	520	236374
11/10/24 12:30		-1	520	236374
11/10/24 13:00		-1	520	236374
11/10/24 13:30		-1	519	236374
11/10/24 14:00		-1	520	236374
11/10/24 14:30		-1	519	236374
11/10/24 15:00		-1	519	236374
11/10/24 15:30		-1	519	236374
11/10/24 16:00		-1	519	236374
11/10/24 16:30		-1	519	236374
11/10/24 17:00		-1	519	236374
11/10/24 17:30		-1	519	236374
11/10/24 18:00		-1	519	236374
11/10/24 18:30		-1	519	236374
11/10/24 19:00		-1	519	236374
11/10/24 19:30		-1	519	236374
11/10/24 20:00		-1	519	236374
11/10/24 20:30		-1	519	236374
11/10/24 21:00		-1	519	236374
11/10/24 21:30		-1	519	236374
11/10/24 22:00		-1	519	236374
11/10/24 22:30		-1	519	236374
11/10/24 23:00		-1	519	236374
11/10/24 23:30		-1	519	236374
11/11/24 0:00		-1	519	236374
11/11/24 0:30		-1	519	236374
11/11/24 1:00		-1	519	236374
11/11/24 1:30		-1	519	236374
11/11/24 2:00		-1	519	236374
11/11/24 2:30		-1	519	236374
11/11/24 3:00		-1	519	236374
11/11/24 3:30		-1	519	236374
11/11/24 4:00		-1	519	236374
11/11/24 4:30		-1	519	236374
11/11/24 5:00		-1	520	236374
11/11/24 5:30		-1	520	236374
11/11/24 6:00		-1	520	236374

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
11/11/24 6:30		-1	520	236374
11/11/24 7:00		-1	519	236374
11/11/24 7:30		-1	519	236374
11/11/24 8:00		-1	519	236374
11/11/24 8:30		-1	519	236374
11/11/24 9:00		-1	519	236374
11/11/24 9:30		-1	519	236374
11/11/24 10:00		-1	519	236374
11/11/24 10:30		-1	519	236374
11/11/24 11:00		-1	519	236374
11/11/24 11:30		-1	519	236374
11/11/24 12:00		-1	519	236374
11/11/24 12:30		-1	519	236374
11/11/24 13:00		-1	519	236374
11/11/24 13:30		-1	518	236374
11/11/24 14:00		-1	519	236374
11/11/24 14:30		-1	519	236374
11/11/24 15:00		-1	519	236374
11/11/24 15:30		-1	519	236374
11/11/24 16:00		-1	519	236374
11/11/24 16:30		-1	519	236374
11/11/24 17:00		-1	518	236374
11/11/24 17:30		-1	518	236374
11/11/24 18:00		-1	518	236374
11/11/24 18:30		-1	518	236374
11/11/24 19:00		-1	518	236374
11/11/24 19:30		-1	518	236374
11/11/24 20:00		-1	518	236374
11/11/24 20:30		-1	519	236374
11/11/24 21:00		-1	519	236374
11/11/24 21:30		-1	519	236374
11/11/24 22:00		-1	519	236374
11/11/24 22:30		-1	519	236374
11/11/24 23:00		-1	519	236374
11/11/24 23:30		-1	519	236374
11/12/24 0:00		-1	519	236374
11/12/24 0:30		-1	519	236374
11/12/24 1:00		-1	518	236374
11/12/24 1:30		-1	518	236374
11/12/24 2:00		-1	518	236374
11/12/24 2:30		-1	518	236374
11/12/24 3:00		-1	518	236374
11/12/24 3:30		-1	518	236374
11/12/24 4:00		-1	519	236374
11/12/24 4:30		-1	519	236374
11/12/24 5:00		-1	519	236374
11/12/24 5:30		-1	519	236374
11/12/24 6:00		-1	519	236374
11/12/24 6:30		-1	519	236374
11/12/24 7:00		-1	519	236374
11/12/24 7:30		-1	519	236374
11/12/24 8:00		-1	519	236374
11/12/24 8:30		-1	519	236374
11/12/24 9:00		-1	519	236374
11/12/24 9:30		-1	519	236374
11/12/24 10:00		-1	519	236374
11/12/24 10:30		-1	519	236374
11/12/24 11:00		-1	519	236374
11/12/24 11:30		-1	519	236374
11/12/24 12:00		-1	519	236374
11/12/24 12:30		-1	518	236374
11/12/24 13:00		-1	518	236374

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
11/12/24 13:30		-1	518	236374
11/12/24 14:00		-1	518	236374
11/12/24 14:30		-1	518	236374
11/12/24 15:00		-1	518	236374
11/12/24 15:30		-1	518	236374
11/12/24 16:00		-1	518	236374
11/12/24 16:30		-1	518	236374
11/12/24 17:00		-1	518	236374
11/12/24 17:30		-1	518	236374
11/12/24 18:00		-1	518	236374
11/12/24 18:30		-1	518	236374
11/12/24 19:00		-1	518	236374
11/12/24 19:30		-1	518	236374
11/12/24 20:00		-1	518	236374
11/12/24 20:30		-1	518	236374
11/12/24 21:00		-1	518	236374
11/12/24 21:30		-1	518	236374
11/12/24 22:00		-1	518	236374
11/12/24 22:30		-1	518	236374
11/12/24 23:00		-1	518	236374
11/12/24 23:30		-1	518	236374
11/13/24 0:00		-1	518	236374
11/13/24 0:30		-1	518	236374
11/13/24 1:00		-1	518	236374
11/13/24 1:30		-1	518	236374
11/13/24 2:00		-1	518	236374
11/13/24 2:30		-1	518	236374
11/13/24 3:00		-1	518	236374
11/13/24 3:30		-1	518	236374
11/13/24 4:00		-1	518	236374
11/13/24 4:30		-1	518	236374
11/13/24 5:00		-1	518	236374
11/13/24 5:30		-1	518	236374
11/13/24 6:00		-1	518	236374
11/13/24 6:30		-1	518	236374
11/13/24 7:00		-1	518	236374
11/13/24 7:30		-1	518	236374
11/13/24 8:00		-1	518	236374
11/13/24 8:30		-1	518	236374
11/13/24 9:00		-1	518	236374
11/13/24 9:30		-1	518	236374
11/13/24 10:00		-1	518	236374
11/13/24 10:30		-1	518	236374
11/13/24 11:00		-1	518	236374
11/13/24 11:30		-1	518	236374
11/13/24 12:00		-1	518	236374
11/13/24 12:30		-1	518	236374
11/13/24 13:00		-1	518	236374
11/13/24 13:30		-1	518	236374
11/13/24 14:00		-1	518	236374
11/13/24 14:30		-1	518	236374
11/13/24 15:00		-1	518	236374
11/13/24 15:30		-1	518	236374
11/13/24 16:00		-1	518	236374
11/13/24 16:30		-1	517	236374
11/13/24 17:00		-1	517	236374
11/13/24 17:30		-1	517	236374
11/13/24 18:00		-1	517	236374
11/13/24 18:30		-1	518	236374
11/13/24 19:00		-1	517	236374
11/13/24 19:30		-1	518	236374
11/13/24 20:00		-1	517	236374

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
11/13/24 20:30		-1	517	236374
11/13/24 21:00		-1	517	236374
11/13/24 21:30		-1	517	236374
11/13/24 22:00		-1	518	236374
11/13/24 22:30		-1	517	236374
11/13/24 23:00		-1	517	236374
11/13/24 23:30		-1	517	236374
11/14/24 0:00		-1	517	236374
11/14/24 0:30		-1	517	236374
11/14/24 1:00		-1	517	236374
11/14/24 1:30		-1	517	236374
11/14/24 2:00		-1	517	236374
11/14/24 2:30		-1	517	236374
11/14/24 3:00		-1	517	236374
11/14/24 3:30		-1	517	236374
11/14/24 4:00		-1	517	236374
11/14/24 4:30		-1	517	236374
11/14/24 5:00		-1	517	236374
11/14/24 5:30		-1	517	236374
11/14/24 6:00		-1	517	236374
11/14/24 6:30		-1	517	236374
11/14/24 7:00		-1	517	236374
11/14/24 7:30		-1	518	236374
11/14/24 8:00		-1	518	236374
11/14/24 8:30		-1	518	236374
11/14/24 9:00		-1	518	236374
11/14/24 9:30		-1	518	236374
11/14/24 10:00		-1	517	236374
11/14/24 10:30		-1	517	236374
11/14/24 11:00		-1	517	236374
11/14/24 11:30		-1	517	236374
11/14/24 12:00		-1	517	236374
11/14/24 12:30		-1	517	236374
11/14/24 13:00		-1	517	236374
11/14/24 13:30		-1	517	236374
11/14/24 14:00		-1	517	236374
11/14/24 14:30		-1	517	236374
11/14/24 15:00		-1	517	236374
11/14/24 15:30		-1	517	236374
11/14/24 16:00		-1	517	236374
11/14/24 16:30		-1	519	236374
11/14/24 17:00		-1	519	236374
11/14/24 17:30		-1	519	236374
11/14/24 18:00		-1	519	236374
11/14/24 18:30		-1	519	236374
11/14/24 19:00		-1	519	236374
11/14/24 19:30		-1	519	236374
11/14/24 20:00		-1	519	236374
11/14/24 20:30		-1	519	236374
11/14/24 21:00		-1	519	236374
11/14/24 21:30		-1	519	236374
11/14/24 22:00		-1	519	236374
11/14/24 22:30		-1	519	236374
11/14/24 23:00		-1	519	236374
11/14/24 23:30		-1	519	236374
11/15/24 0:00		-1	519	236374
11/15/24 0:30		-1	519	236374
11/15/24 1:00		-1	519	236374
11/15/24 1:30		-1	519	236374
11/15/24 2:00		-1	519	236374
11/15/24 2:30		-1	519	236374
11/15/24 3:00		-1	518	236374

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
11/15/24 3:30		-1	518	236374
11/15/24 4:00		-1	518	236374
11/15/24 4:30		-1	518	236374
11/15/24 5:00		-1	518	236374
11/15/24 5:30		-1	518	236374
11/15/24 6:00		-1	518	236374
11/15/24 6:30		-1	519	236374
11/15/24 7:00		-1	519	236374
11/15/24 7:30		-1	519	236374
11/15/24 8:00		-1	519	236374
11/15/24 8:30		-1	519	236374
11/15/24 9:00		-1	519	236374
11/15/24 9:30		-1	519	236374
11/15/24 10:00		-1	519	236374
11/15/24 10:30		-1	519	236374
11/15/24 11:00		-1	519	236374
11/15/24 11:30		-1	519	236374
11/15/24 12:00		-1	519	236374
11/15/24 12:30		-1	519	236374
11/15/24 13:00		-1	519	236374
11/15/24 13:30		-1	519	236374
11/15/24 14:00		-1	519	236374
11/15/24 14:30		-1	519	236374
11/15/24 15:00		-1	519	236374
11/15/24 15:30		-1	519	236374
11/15/24 16:00		-1	518	236374
11/15/24 16:30		-1	518	236374
11/15/24 17:00		-1	518	236374
11/15/24 17:30		-1	518	236374
11/15/24 18:00		-1	518	236374
11/15/24 18:30		-1	518	236374
11/15/24 19:00		-1	518	236374
11/15/24 19:30		-1	518	236374
11/15/24 20:00		-1	518	236374
11/15/24 20:30		-1	518	236374
11/15/24 21:00		-1	518	236374
11/15/24 21:30		-1	518	236374
11/15/24 22:00		-1	518	236374
11/15/24 22:30		-1	518	236374
11/15/24 23:00		-1	518	236374
11/15/24 23:30		-1	518	236374
11/16/24 0:00		-1	518	236374
11/16/24 0:30		-1	518	236374
11/16/24 1:00		-1	518	236374
11/16/24 1:30		-1	518	236374
11/16/24 2:00		-1	518	236374
11/16/24 2:30		-1	518	236374
11/16/24 3:00		-1	518	236374
11/16/24 3:30		-1	518	236374
11/16/24 4:00		-1	518	236374
11/16/24 4:30		-1	518	236374
11/16/24 5:00		-1	518	236374
11/16/24 5:30		-1	518	236374
11/16/24 6:00		-1	518	236374
11/16/24 6:30		-1	518	236374
11/16/24 7:00		-1	517	236374
11/16/24 7:30		-1	517	236374
11/16/24 8:00		-1	517	236374
11/16/24 8:30		-1	517	236374
11/16/24 9:00		-1	517	236374
11/16/24 9:30		-1	519	236374
11/16/24 10:00		-1	519	236374

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
11/16/24 10:30		-1	519	236374
11/16/24 11:00		-1	519	236374
11/16/24 11:30		-1	518	236374
11/16/24 12:00		-1	518	236374
11/16/24 12:30		-1	518	236374
11/16/24 13:00		-1	518	236374
11/16/24 13:30		-1	518	236374
11/16/24 14:00		-1	518	236374
11/16/24 14:30		-1	517	236374
11/16/24 15:00		-1	518	236374
11/16/24 15:30		-1	518	236374
11/16/24 16:00		-1	518	236374
11/16/24 16:30		-1	518	236374
11/16/24 17:00		-1	518	236374
11/16/24 17:30		-1	518	236374
11/16/24 18:00		-1	518	236374
11/16/24 18:30		-1	518	236374
11/16/24 19:00		-1	517	236374
11/16/24 19:30		-1	517	236374
11/16/24 20:00		-1	517	236374
11/16/24 20:30		-1	517	236374
11/16/24 21:00		-1	517	236374
11/16/24 21:30		-1	517	236374
11/16/24 22:00		-1	517	236374
11/16/24 22:30		-1	517	236374
11/16/24 23:00		-1	517	236374
11/16/24 23:30		-1	517	236374
11/17/24 0:00		-1	517	236374
11/17/24 0:30		-1	517	236374
11/17/24 1:00		-1	517	236374
11/17/24 1:30		-1	517	236374
11/17/24 2:00		-1	517	236374
11/17/24 2:30		-1	517	236374
11/17/24 3:00		-1	517	236374
11/17/24 3:30		-1	517	236374
11/17/24 4:00		-1	517	236374
11/17/24 4:30		-1	517	236374
11/17/24 5:00		-1	517	236374
11/17/24 5:30		-1	517	236374
11/17/24 6:00		-1	517	236374
11/17/24 6:30		-1	517	236374
11/17/24 7:00		-1	517	236374
11/17/24 7:30		-1	517	236374
11/17/24 8:00		-1	517	236374
11/17/24 8:30		-1	517	236374
11/17/24 9:00		-1	517	236374
11/17/24 9:30		-1	518	236374
11/17/24 10:00		-1	518	236374
11/17/24 10:30		-1	518	236374
11/17/24 11:00		-1	518	236374
11/17/24 11:30		-1	518	236374
11/17/24 12:00		-1	518	236374
11/17/24 12:30		-1	518	236374
11/17/24 13:00		-1	518	236374
11/17/24 13:30		-1	517	236374
11/17/24 14:00		-1	517	236374
11/17/24 14:30		-1	517	236374
11/17/24 15:00		-1	517	236374
11/17/24 15:30		-1	517	236374
11/17/24 16:00		-1	517	236374
11/17/24 16:30		-1	517	236374
11/17/24 17:00		-1	517	236374

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
11/17/24 17:30		-1	517	236374
11/17/24 18:00		-1	517	236374
11/17/24 18:30		-1	517	236374
11/17/24 19:00		-1	517	236374
11/17/24 19:30		-1	517	236374
11/17/24 20:00		-1	517	236374
11/17/24 20:30		-1	517	236374
11/17/24 21:00		-1	517	236374
11/17/24 21:30		-1	517	236374
11/17/24 22:00		-1	517	236374
11/17/24 22:30		-1	517	236374
11/17/24 23:00		-1	517	236374
11/17/24 23:30		-1	517	236374
11/18/24 0:00		-1	517	236374
11/18/24 0:30		-1	517	236374
11/18/24 1:00		-1	517	236374
11/18/24 1:30		-1	516	236374
11/18/24 2:00		-1	516	236374
11/18/24 2:30		-1	516	236374
11/18/24 3:00		-1	516	236374
11/18/24 3:30		-1	516	236374
11/18/24 4:00		-1	516	236374
11/18/24 4:30		-1	516	236374
11/18/24 5:00		-1	516	236374
11/18/24 5:30		-1	516	236374
11/18/24 6:00		-1	516	236374
11/18/24 6:30		-1	516	236374
11/18/24 7:00		-1	516	236374
11/18/24 7:30		-1	516	236374
11/18/24 8:00		-1	516	236374
11/18/24 8:30		-1	516	236374
11/18/24 9:00		-1	516	236374
11/18/24 9:30		-1	518	236374
11/18/24 10:00		-1	518	236374
11/18/24 10:30		-1	518	236374
11/18/24 11:00		-1	517	236374
11/18/24 11:30		-1	517	236374
11/18/24 12:00		-1	517	236374
11/18/24 12:30		-1	517	236374
11/18/24 13:00		-1	517	236374
11/18/24 13:30		-1	517	236374
11/18/24 14:00		-1	517	236374
11/18/24 14:30		-1	516	236374
11/18/24 15:00		-1	517	236374
11/18/24 15:30		-1	517	236374
11/18/24 16:00		-1	517	236374
11/18/24 16:30		-1	517	236374
11/18/24 17:00		-1	516	236374
11/18/24 17:30		-1	516	236374
11/18/24 18:00		-1	516	236374
11/18/24 18:30		-1	516	236374
11/18/24 19:00		-1	516	236374
11/18/24 19:30		-1	516	236374
11/18/24 20:00		-1	516	236374
11/18/24 20:30		-1	516	236374
11/18/24 21:00		-1	516	236374
11/18/24 21:30		-1	516	236374
11/18/24 22:00		-1	516	236374
11/18/24 22:30		-1	516	236374
11/18/24 23:00		-1	516	236374
11/18/24 23:30		-1	516	236374
11/19/24 0:00		-1	516	236374



Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
11/19/24 0:30		-1	516	236374
11/19/24 1:00		-1	516	236374
11/19/24 1:30		-1	516	236374
11/19/24 2:00		-1	516	236374
11/19/24 2:30		-1	516	236374
11/19/24 3:00		-1	516	236374
11/19/24 3:30		-1	516	236374
11/19/24 4:00		-1	516	236374
11/19/24 4:30		-1	515	236374
11/19/24 5:00		-1	515	236374
11/19/24 5:30		-1	516	236374
11/19/24 6:00		-1	516	236374
11/19/24 6:30		-1	516	236374
11/19/24 7:00		-1	516	236374
11/19/24 7:30		-1	516	236374
11/19/24 8:00		-1	516	236374
11/19/24 8:30		-1	515	236374
11/19/24 9:00		-1	516	236374
11/19/24 9:30		-1	517	236374
11/19/24 10:00		-1	517	236374
11/19/24 10:30		-1	517	236374
11/19/24 11:00		-1	517	236374
11/19/24 11:30		-1	516	236374
11/19/24 12:00		-1	516	236374
11/19/24 12:30		-1	516	236374
11/19/24 13:00		-1	516	236374
11/19/24 13:30		-1	516	236374
11/19/24 14:00		-1	516	236374
11/19/24 14:30		-1	516	236374
11/19/24 15:00		-1	516	236374
11/19/24 15:30		-1	516	236374
11/19/24 16:00		-1	516	236374
11/19/24 16:30		-1	516	236374
11/19/24 17:00		-1	516	236374
11/19/24 17:30		-1	516	236374
11/19/24 18:00		-1	516	236374
11/19/24 18:30		-1	515	236374
11/19/24 19:00		-1	515	236374
11/19/24 19:30		-1	515	236374
11/19/24 20:00		-1	515	236374
11/19/24 20:30		-1	516	236374
11/19/24 21:00		-1	515	236374
11/19/24 21:30		-1	515	236374
11/19/24 22:00		-1	515	236374
11/19/24 22:30		-1	515	236374
11/19/24 23:00		-1	515	236374
11/19/24 23:30		-1	515	236374
11/20/24 0:00		-1	515	236374
11/20/24 0:30		-1	515	236374
11/20/24 1:00		-1	515	236374
11/20/24 1:30		-1	515	236374
11/20/24 2:00		-1	515	236374
11/20/24 2:30		-1	515	236374
11/20/24 3:00		-1	515	236374
11/20/24 3:30		-1	515	236374
11/20/24 4:00		-1	515	236374
11/20/24 4:30		-1	515	236374
11/20/24 5:00		-1	515	236374
11/20/24 5:30		-1	515	236374
11/20/24 6:00		-1	515	236374
11/20/24 6:30		-1	515	236374
11/20/24 7:00		-1	515	236374

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
11/20/24 7:30		-1	515	236374
11/20/24 8:00		-1	515	236374
11/20/24 8:30		-1	515	236374
11/20/24 9:00		-1	515	236374
11/20/24 9:30		-1	516	236374
11/20/24 10:00		-1	516	236374
11/20/24 10:30		-1	516	236374
11/20/24 11:00		-1	516	236374
11/20/24 11:30		-1	516	236374
11/20/24 12:00		-1	516	236374
11/20/24 12:30		-1	516	236374
11/20/24 13:00		-1	516	236374
11/20/24 13:30		-1	516	236374
11/20/24 14:00		-1	516	236374
11/20/24 14:30		-1	515	236374
11/20/24 15:00		-1	515	236374
11/20/24 15:30		-1	515	236374
11/20/24 16:00		-1	515	236374
11/20/24 16:30		-1	515	236374
11/20/24 17:00		-1	515	236374
11/20/24 17:30		-1	515	236374
11/20/24 18:00		-1	515	236374
11/20/24 18:30		-1	515	236374
11/20/24 19:00		-1	515	236374
11/20/24 19:30		-1	515	236374
11/20/24 20:00		-1	515	236374
11/20/24 20:30		-1	515	236374
11/20/24 21:00		-1	515	236374
11/20/24 21:30		-1	515	236374
11/20/24 22:00		-1	515	236374
11/20/24 22:30		-1	515	236374
11/20/24 23:00		-1	515	236374
11/20/24 23:30		-1	515	236374
11/21/24 0:00		-1	514	236374
11/21/24 0:30		-1	514	236374
11/21/24 1:00		-1	514	236374
11/21/24 1:30		-1	514	236374
11/21/24 2:00		-1	514	236374
11/21/24 2:30		-1	514	236374
11/21/24 3:00		-1	514	236374
11/21/24 3:30		-1	514	236374
11/21/24 4:00		-1	514	236374
11/21/24 4:30		-1	514	236374
11/21/24 5:00		-1	514	236374
11/21/24 5:30		-1	514	236374
11/21/24 6:00		-1	514	236374
11/21/24 6:30		-1	514	236374
11/21/24 7:00		-1	514	236374
11/21/24 7:30		-1	514	236374
11/21/24 8:00		-1	514	236374
11/21/24 8:30		-1	514	236374
11/21/24 9:00		-1	514	236374
11/21/24 9:30		-1	516	236374
11/21/24 10:00		-1	516	236374
11/21/24 10:30		-1	516	236374
11/21/24 11:00		-1	515	236374
11/21/24 11:30		-1	515	236374
11/21/24 12:00		-1	515	236374
11/21/24 12:30		-1	515	236374
11/21/24 13:00		-1	515	236374
11/21/24 13:30		-1	515	236374
11/21/24 14:00		-1	515	236374

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
11/21/24 14:30		-1	515	236374
11/21/24 15:00		-1	515	236374
11/21/24 15:30		-1	515	236374
11/21/24 16:00		-1	515	236374
11/21/24 16:30		-1	515	236374
11/21/24 17:00		-1	514	236374
11/21/24 17:30		-1	514	236374
11/21/24 18:00		-1	514	236374
11/21/24 18:30		-1	514	236374
11/21/24 19:00		-1	514	236374
11/21/24 19:30		-1	514	236374
11/21/24 20:00		-1	514	236374
11/21/24 20:30		-1	514	236374
11/21/24 21:00		-1	514	236374
11/21/24 21:30		-1	514	236374
11/21/24 22:00		-1	514	236374
11/21/24 22:30		-1	514	236374
11/21/24 23:00		-1	514	236374
11/21/24 23:30		-1	514	236374
11/22/24 0:00		-1	514	236374
11/22/24 0:30		-1	514	236374
11/22/24 1:00		-1	514	236374
11/22/24 1:30		-1	514	236374
11/22/24 2:00		-1	514	236374
11/22/24 2:30		-1	514	236374
11/22/24 3:00		-1	514	236374
11/22/24 3:30		-1	514	236374
11/22/24 4:00		-1	514	236374
11/22/24 4:30		-1	514	236374
11/22/24 5:00		-1	514	236374
11/22/24 5:30		-1	514	236374
11/22/24 6:00		-1	514	236374
11/22/24 6:30		-1	514	236374
11/22/24 7:00		-1	514	236374
11/22/24 7:30		-1	514	236374
11/22/24 8:00		-1	514	236374
11/22/24 8:30		-1	513	236374
11/22/24 9:00		-1	513	236374
11/22/24 9:30		-1	515	236374
11/22/24 10:00		-1	515	236374
11/22/24 10:30		-1	515	236374
11/22/24 11:00		-1	515	236374
11/22/24 11:30		-1	515	236374
11/22/24 12:00		-1	515	236374
11/22/24 12:30		-1	514	236374
11/22/24 13:00		-1	514	236374
11/22/24 13:30		-1	514	236374
11/22/24 14:00		-1	514	236374
11/22/24 14:30		-1	514	236374
11/22/24 15:00		-1	514	236374
11/22/24 15:30		-1	514	236374
11/22/24 16:00		-1	514	236374
11/22/24 16:30		-1	514	236374
11/22/24 17:00		-1	514	236374
11/22/24 17:30		-1	514	236374
11/22/24 18:00		-1	514	236374
11/22/24 18:30		-1	514	236374
11/22/24 19:00		-1	513	236374
11/22/24 19:30		-1	514	236374
11/22/24 20:00		-1	514	236374
11/22/24 20:30		-1	514	236374
11/22/24 21:00		-1	514	236374

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
11/22/24 21:30		-1	514	236374
11/22/24 22:00		-1	514	236374
11/22/24 22:30		-1	514	236374
11/22/24 23:00		-1	514	236374
11/22/24 23:30		-1	514	236374
11/23/24 0:00		-1	513	236374
11/23/24 0:30		-1	513	236374
11/23/24 1:00		-1	513	236374
11/23/24 1:30		-1	513	236374
11/23/24 2:00		-1	513	236374
11/23/24 2:30		-1	513	236374
11/23/24 3:00		-1	514	236374
11/23/24 3:30		-1	514	236374
11/23/24 4:00		-1	513	236374
11/23/24 4:30		-1	514	236374
11/23/24 5:00		-1	514	236374
11/23/24 5:30		-1	514	236374
11/23/24 6:00		-1	514	236374
11/23/24 6:30		-1	514	236374
11/23/24 7:00		-1	513	236374
11/23/24 7:30		-1	513	236374
11/23/24 8:00		-1	513	236374
11/23/24 8:30		-1	513	236374
11/23/24 9:00		-1	513	236374
11/23/24 9:30		-1	514	236374
11/23/24 10:00		-1	514	236374
11/23/24 10:30		-1	514	236374
11/23/24 11:00		-1	514	236374
11/23/24 11:30		-1	514	236374
11/23/24 12:00		-1	514	236374
11/23/24 12:30		-1	514	236374
11/23/24 13:00		-1	514	236374
11/23/24 13:30		-1	514	236374
11/23/24 14:00		-1	514	236374
11/23/24 14:30		-1	514	236374
11/23/24 15:00		-1	514	236374
11/23/24 15:30		-1	514	236374
11/23/24 16:00		-1	514	236374
11/23/24 16:30		-1	514	236374
11/23/24 17:00		-1	513	236374
11/23/24 17:30		-1	513	236374
11/23/24 18:00		-1	513	236374
11/23/24 18:30		-1	513	236374
11/23/24 19:00		-1	513	236374
11/23/24 19:30		-1	513	236374
11/23/24 20:00		-1	513	236374
11/23/24 20:30		-1	513	236374
11/23/24 21:00		-1	513	236374
11/23/24 21:30		-1	513	236374
11/23/24 22:00		-1	513	236374
11/23/24 22:30		-1	513	236374
11/23/24 23:00		-1	513	236374
11/23/24 23:30		-1	513	236374
11/24/24 0:00		-1	513	236374
11/24/24 0:30		-1	513	236374
11/24/24 1:00		-1	513	236374
11/24/24 1:30		-1	513	236374
11/24/24 2:00		-1	513	236374
11/24/24 2:30		-1	513	236374
11/24/24 3:00		-1	513	236374
11/24/24 3:30		-1	513	236374
11/24/24 4:00		-1	513	236374

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
11/24/24 4:30		-1	513	236374
11/24/24 5:00		-1	513	236374
11/24/24 5:30		-1	513	236374
11/24/24 6:00		-1	513	236374
11/24/24 6:30		-1	513	236374
11/24/24 7:00		-1	514	236374
11/24/24 7:30		-1	514	236374
11/24/24 8:00		-1	514	236374
11/24/24 8:30		-1	514	236374
11/24/24 9:00		-1	513	236374
11/24/24 9:30		-1	513	236374
11/24/24 10:00		-1	513	236374
11/24/24 10:30		-1	513	236374
11/24/24 11:00		-1	514	236374
11/24/24 11:30		-1	513	236374
11/24/24 12:00		-1	514	236374
11/24/24 12:30		-1	513	236374
11/24/24 13:00		-1	513	236374
11/24/24 13:30		-1	513	236374
11/24/24 14:00		-1	513	236374
11/24/24 14:30		-1	513	236374
11/24/24 15:00		-1	513	236374
11/24/24 15:30		-1	513	236374
11/24/24 16:00		-1	513	236374
11/24/24 16:30		-1	513	236374
11/24/24 17:00		-1	513	236374
11/24/24 17:30		-1	513	236374
11/24/24 18:00		-1	513	236374
11/24/24 18:30		-1	513	236374
11/24/24 19:00		-1	513	236374
11/24/24 19:30		-1	513	236374
11/24/24 20:00		-1	513	236374
11/24/24 20:30		-1	513	236374
11/24/24 21:00		-1	513	236374
11/24/24 21:30		-1	513	236374
11/24/24 22:00		-1	513	236374
11/24/24 22:30		-1	513	236374
11/24/24 23:00		-1	513	236374
11/24/24 23:30		-1	513	236374
11/25/24 0:00		-1	513	236374
11/25/24 0:30		-1	513	236374
11/25/24 1:00		-1	512	236374
11/25/24 1:30		-1	512	236374
11/25/24 2:00		-1	513	236374
11/25/24 2:30		-1	513	236374
11/25/24 3:00		-1	512	236374
11/25/24 3:30		-1	513	236374
11/25/24 4:00		-1	513	236374
11/25/24 4:30		-1	512	236374
11/25/24 5:00		-1	512	236374
11/25/24 5:30		-1	512	236374
11/25/24 6:00		-1	512	236374
11/25/24 6:30		-1	512	236374
11/25/24 7:00		-1	512	236374
11/25/24 7:30		-1	512	236374
11/25/24 8:00		-1	512	236374
11/25/24 8:30		-1	512	236374
11/25/24 9:00		-1	512	236374
11/25/24 9:30		-1	513	236374
11/25/24 10:00		-1	513	236374
11/25/24 10:30		-1	513	236374
11/25/24 11:00		-1	513	236374

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
11/25/24 11:30		-1	513	236374
11/25/24 12:00		-1	513	236374
11/25/24 12:30		-1	513	236374
11/25/24 13:00		-1	513	236374
11/25/24 13:30		-1	512	236374
11/25/24 14:00		-1	512	236374
11/25/24 14:30		-1	512	236374
11/25/24 15:00		-1	512	236374
11/25/24 15:30		-1	512	236374
11/25/24 16:00		-1	512	236374
11/25/24 16:30		-1	512	236374
11/25/24 17:00		-1	512	236374
11/25/24 17:30		-1	512	236374
11/25/24 18:00		-1	512	236374
11/25/24 18:30		-1	512	236374
11/25/24 19:00		-1	512	236374
11/25/24 19:30		-1	512	236374
11/25/24 20:00		-1	512	236374
11/25/24 20:30		-1	512	236374
11/25/24 21:00		-1	512	236374
11/25/24 21:30		-1	512	236374
11/25/24 22:00		-1	512	236374
11/25/24 22:30		-1	512	236374
11/25/24 23:00		-1	512	236374
11/25/24 23:30		-1	512	236374
11/26/24 0:00		-1	512	236374
11/26/24 0:30		-1	512	236374
11/26/24 1:00		-1	512	236374
11/26/24 1:30		-1	512	236374
11/26/24 2:00		-1	512	236374
11/26/24 2:30		-1	512	236374
11/26/24 3:00		-1	512	236374
11/26/24 3:30		-1	512	236374
11/26/24 4:00		-1	512	236374
11/26/24 4:30		-1	512	236374
11/26/24 5:00		-1	512	236374
11/26/24 5:30		-1	512	236374
11/26/24 6:00		-1	512	236374
11/26/24 6:30		-1	512	236374
11/26/24 7:00		-1	512	236374
11/26/24 7:30		-1	512	236374
11/26/24 8:00		-1	512	236374
11/26/24 8:30		-1	512	236374
11/26/24 9:00		-1	512	236374
11/26/24 9:30		-1	512	236374
11/26/24 10:00		-1	512	236374
11/26/24 10:30		-1	512	236374
11/26/24 11:00		-1	512	236374
11/26/24 11:30		-1	512	236374
11/26/24 12:00		-1	512	236374
11/26/24 12:30		-1	512	236374
11/26/24 13:00		-1	512	236374
11/26/24 13:30		-1	512	236374
11/26/24 14:00		-1	512	236374
11/26/24 14:30		-1	512	236374
11/26/24 15:00		-1	512	236374
11/26/24 15:30		-1	512	236374
11/26/24 16:00		-1	512	236374
11/26/24 16:30		-1	512	236374
11/26/24 17:00		-1	512	236374
11/26/24 17:30		-1	512	236374
11/26/24 18:00		-1	512	236374

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
11/26/24 18:30		-1	512	236374
11/26/24 19:00		-1	512	236374
11/26/24 19:30		-1	512	236374
11/26/24 20:00		-1	512	236374
11/26/24 20:30		-1	512	236374
11/26/24 21:00		-1	512	236374
11/26/24 21:30		-1	512	236374
11/26/24 22:00		-1	512	236374
11/26/24 22:30		-1	512	236374
11/26/24 23:00		-1	512	236374
11/26/24 23:30		-1	512	236374
11/27/24 0:00		-1	512	236374
11/27/24 0:30		-1	512	236374
11/27/24 1:00		-1	512	236374
11/27/24 1:30		-1	512	236374
11/27/24 2:00		-1	512	236374
11/27/24 2:30		-1	512	236374
11/27/24 3:00		-1	512	236374
11/27/24 3:30		-1	512	236374
11/27/24 4:00		-1	512	236374
11/27/24 4:30		-1	512	236374
11/27/24 5:00		-1	512	236374
11/27/24 5:30		-1	512	236374
11/27/24 6:00		-1	512	236374
11/27/24 6:30		-1	511	236374
11/27/24 7:00		-1	511	236374
11/27/24 7:30		-1	511	236374
11/27/24 8:00		-1	511	236374
11/27/24 8:30		-1	511	236374
11/27/24 9:00		-1	511	236374
11/27/24 9:30		-1	511	236374
11/27/24 10:00		-1	511	236374
11/27/24 10:30		-1	512	236374
11/27/24 11:00		-1	512	236374
11/27/24 11:30		-1	512	236374
11/27/24 12:00		-1	512	236374
11/27/24 12:30		-1	512	236374
11/27/24 13:00		-1	512	236374
11/27/24 13:30		-1	512	236374
11/27/24 14:00		-1	512	236374
11/27/24 14:30		-1	511	236374
11/27/24 15:00		-1	512	236374
11/27/24 15:30		-1	511	236374
11/27/24 16:00		-1	511	236374
11/27/24 16:30		-1	511	236374
11/27/24 17:00		-1	511	236374
11/27/24 17:30		-1	511	236374
11/27/24 18:00		-1	511	236374
11/27/24 18:30		-1	511	236374
11/27/24 19:00		-1	511	236374
11/27/24 19:30		-1	511	236374
11/27/24 20:00		-1	511	236374
11/27/24 20:30		-1	511	236374
11/27/24 21:00		-1	511	236374
11/27/24 21:30		-1	511	236374
11/27/24 22:00		-1	511	236374
11/27/24 22:30		-1	511	236374
11/27/24 23:00		-1	511	236374
11/27/24 23:30		-1	511	236374
11/28/24 0:00		-1	511	236374
11/28/24 0:30		-1	511	236374
11/28/24 1:00		-1	511	236374

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
11/28/24 1:30		-1	511	236374
11/28/24 2:00		-1	511	236374
11/28/24 2:30		-1	511	236374
11/28/24 3:00		-1	510	236374
11/28/24 3:30		-1	511	236374
11/28/24 4:00		-1	510	236374
11/28/24 4:30		-1	511	236374
11/28/24 5:00		-1	510	236374
11/28/24 5:30		-1	510	236374
11/28/24 6:00		-1	511	236374
11/28/24 6:30		-1	511	236374
11/28/24 7:00		-1	510	236374
11/28/24 7:30		-1	510	236374
11/28/24 8:00		-1	510	236374
11/28/24 8:30		-1	510	236374
11/28/24 9:00		-1	510	236374
11/28/24 9:30		-1	511	236374
11/28/24 10:00		-1	512	236374
11/28/24 10:30		-1	512	236374
11/28/24 11:00		-1	512	236374
11/28/24 11:30		-1	511	236374
11/28/24 12:00		-1	511	236374
11/28/24 12:30		-1	511	236374
11/28/24 13:00		-1	511	236374
11/28/24 13:30		-1	511	236374
11/28/24 14:00		-1	511	236374
11/28/24 14:30		-1	511	236374
11/28/24 15:00		-1	511	236374
11/28/24 15:30		-1	511	236374
11/28/24 16:00		-1	511	236374
11/28/24 16:30		-1	511	236374
11/28/24 17:00		-1	511	236374
11/28/24 17:30		-1	511	236374
11/28/24 18:00		-1	510	236374
11/28/24 18:30		-1	510	236374
11/28/24 19:00		-1	510	236374
11/28/24 19:30		-1	510	236374
11/28/24 20:00		-1	510	236374
11/28/24 20:30		-1	510	236374
11/28/24 21:00		-1	510	236374
11/28/24 21:30		-1	510	236374
11/28/24 22:00		-1	510	236374
11/28/24 22:30		-1	510	236374
11/28/24 23:00		-1	510	236374
11/28/24 23:30		-1	510	236374
11/29/24 0:00		-1	510	236374
11/29/24 0:30		-1	510	236374
11/29/24 1:00		-1	510	236374
11/29/24 1:30		-1	510	236374
11/29/24 2:00		-1	510	236374
11/29/24 2:30		-1	510	236374
11/29/24 3:00		-1	510	236374
11/29/24 3:30		-1	510	236374
11/29/24 4:00		-1	510	236374
11/29/24 4:30		-1	510	236374
11/29/24 5:00		-1	510	236374
11/29/24 5:30		-1	510	236374
11/29/24 6:00		-1	510	236374
11/29/24 6:30		-1	510	236374
11/29/24 7:00		-1	509	236374
11/29/24 7:30		-1	509	236374
11/29/24 8:00		-1	509	236374



Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
11/29/24 8:30		-1	509	236374
11/29/24 9:00		-1	509	236374
11/29/24 9:30		-1	511	236374
11/29/24 10:00		-1	511	236374
11/29/24 10:30		-1	511	236374
11/29/24 11:00		-1	511	236374
11/29/24 11:30		-1	511	236374
11/29/24 12:00		-1	511	236374
11/29/24 12:30		-1	511	236374
11/29/24 13:00		-1	511	236374
11/29/24 13:30		-1	511	236374
11/29/24 14:00		-1	510	236374
11/29/24 14:30		-1	510	236374
11/29/24 15:00		-1	510	236374
11/29/24 15:30		-1	510	236374
11/29/24 16:00		-1	510	236374
11/29/24 16:30		-1	510	236374
11/29/24 17:00		-1	510	236374
11/29/24 17:30		-1	510	236374
11/29/24 18:00		-1	510	236374
11/29/24 18:30		-1	510	236374
11/29/24 19:00		-1	510	236374
11/29/24 19:30		-1	510	236374
11/29/24 20:00		-1	510	236374
11/29/24 20:30		-1	510	236374
11/29/24 21:00		-1	510	236374
11/29/24 21:30		-1	510	236374
11/29/24 22:00		-1	510	236374
11/29/24 22:30		-1	509	236374
11/29/24 23:00		-1	510	236374
11/29/24 23:30		-1	509	236374
11/30/24 0:00		-1	509	236374
11/30/24 0:30		-1	509	236374
11/30/24 1:00		-1	509	236374
11/30/24 1:30		-1	509	236374
11/30/24 2:00		-1	509	236374
11/30/24 2:30		-1	509	236374
11/30/24 3:00		-1	509	236374
11/30/24 3:30		-1	509	236374
11/30/24 4:00		-1	509	236374
11/30/24 4:30		-1	509	236374
11/30/24 5:00		-1	509	236374
11/30/24 5:30		-1	509	236374
11/30/24 6:00		-1	509	236374
11/30/24 6:30		-1	509	236374
11/30/24 7:00		-1	509	236374
11/30/24 7:30		-1	509	236374
11/30/24 8:00		-1	509	236374
11/30/24 8:30		-1	509	236374
11/30/24 9:00		-1	509	236374
11/30/24 9:30		-1	510	236374
11/30/24 10:00		-1	511	236374
11/30/24 10:30		-1	511	236374
11/30/24 11:00		-1	511	236374
11/30/24 11:30		-1	510	236374
11/30/24 12:00		-1	510	236374
11/30/24 12:30		-1	510	236374
11/30/24 13:00		-1	510	236374
11/30/24 13:30		-1	510	236374
11/30/24 14:00		-1	510	236374
11/30/24 14:30		-1	510	236374
11/30/24 15:00		-1	510	236374

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
11/30/24 15:30		-1	510	236374
11/30/24 16:00		-1	510	236374
11/30/24 16:30		-1	510	236374
11/30/24 17:00		-1	510	236374
11/30/24 17:30		-1	509	236374
11/30/24 18:00		-1	509	236374
11/30/24 18:30		-1	509	236374
11/30/24 19:00		-1	509	236374
11/30/24 19:30		-1	509	236374
11/30/24 20:00		-1	509	236374
11/30/24 20:30		-1	509	236374
11/30/24 21:00		-1	509	236374
11/30/24 21:30		-1	509	236374
11/30/24 22:00		-1	509	236374
11/30/24 22:30		-1	509	236374
11/30/24 23:00		-1	509	236374
11/30/24 23:30		-1	509	236374
12/1/24 0:00		-1	509	236374
12/1/24 0:30		-1	509	236374
12/1/24 1:00		-1	509	236374
12/1/24 1:30		-1	509	236374
12/1/24 2:00		-1	509	236374
12/1/24 2:30		-1	509	236374
12/1/24 3:00		-1	509	236374
12/1/24 3:30		-1	509	236374
12/1/24 4:00		-1	509	236374
12/1/24 4:30		-1	509	236374
12/1/24 5:00		-1	508	236374
12/1/24 5:30		-1	508	236374
12/1/24 6:00		-1	508	236374
12/1/24 6:30		-1	508	236374
12/1/24 7:00		-1	508	236374
12/1/24 7:30		-1	508	236374
12/1/24 8:00		-1	508	236374
12/1/24 8:30		-1	508	236374
12/1/24 9:00		-1	508	236374
12/1/24 9:30		-1	509	236374
12/1/24 10:00		-1	510	236374
12/1/24 10:30		-1	510	236374
12/1/24 11:00		-1	510	236374
12/1/24 11:30		-1	510	236374
12/1/24 12:00		-1	510	236374
12/1/24 12:30		-1	510	236374
12/1/24 13:00		-1	510	236374
12/1/24 13:30		-1	510	236374
12/1/24 14:00		-1	509	236374
12/1/24 14:30		-1	509	236374
12/1/24 15:00		-1	509	236374
12/1/24 15:30		-1	509	236374
12/1/24 16:00		-1	509	236374
12/1/24 16:30		-1	509	236374
12/1/24 17:00		-1	509	236374
12/1/24 17:30		-1	509	236374
12/1/24 18:00		-1	509	236374
12/1/24 18:30		-1	509	236374
12/1/24 19:00		-1	509	236374
12/1/24 19:30		-1	509	236374
12/1/24 20:00		-1	509	236374
12/1/24 20:30		-1	509	236374
12/1/24 21:00		-1	509	236374
12/1/24 21:30		-1	509	236374
12/1/24 22:00		-1	509	236374

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
12/1/24 22:30		-1	509	236374
12/1/24 23:00		-1	509	236374
12/1/24 23:30		-1	509	236374
12/2/24 0:00		-1	508	236374
12/2/24 0:30		-1	508	236374
12/2/24 1:00		-1	508	236374
12/2/24 1:30		-1	508	236374
12/2/24 2:00		-1	508	236374
12/2/24 2:30		-1	508	236374
12/2/24 3:00		-1	508	236374
12/2/24 3:30		-1	508	236374
12/2/24 4:00		-1	508	236374
12/2/24 4:30		-1	508	236374
12/2/24 5:00		-1	508	236374
12/2/24 5:30		-1	508	236374
12/2/24 6:00		-1	508	236374
12/2/24 6:30		-1	508	236374
12/2/24 7:00		-1	508	236374
12/2/24 7:30		-1	508	236374
12/2/24 8:00		-1	508	236374
12/2/24 8:30		-1	508	236374
12/2/24 9:00		-1	508	236374
12/2/24 9:30		-1	509	236374
12/2/24 10:00		-1	510	236374
12/2/24 10:30		-1	510	236374
12/2/24 11:00		-1	509	236374
12/2/24 11:30		-1	509	236374
12/2/24 12:00		-1	509	236374
12/2/24 12:30		-1	509	236374
12/2/24 13:00		-1	509	236374
12/2/24 13:30		-1	509	236374
12/2/24 14:00		-1	509	236374
12/2/24 14:30		-1	509	236374
12/2/24 15:00		-1	509	236374
12/2/24 15:30		-1	509	236374
12/2/24 16:00		-1	509	236374
12/2/24 16:30		-1	508	236374
12/2/24 17:00		-1	508	236374
12/2/24 17:30		-1	508	236374
12/2/24 18:00		-1	508	236374
12/2/24 18:30		-1	508	236374
12/2/24 19:00		-1	508	236374
12/2/24 19:30		-1	508	236374
12/2/24 20:00		-1	508	236374
12/2/24 20:30		-1	508	236374
12/2/24 21:00		-1	508	236374
12/2/24 21:30		-1	508	236374
12/2/24 22:00		-1	508	236374
12/2/24 22:30		-1	508	236374
12/2/24 23:00		-1	508	236374
12/2/24 23:30		-1	508	236374
12/3/24 0:00		-1	508	236374
12/3/24 0:30		-1	508	236374
12/3/24 1:00		-1	508	236374
12/3/24 1:30		-1	508	236374
12/3/24 2:00		-1	508	236374
12/3/24 2:30		-1	508	236374
12/3/24 3:00		-1	508	236374
12/3/24 3:30		-1	508	236374
12/3/24 4:00		-1	508	236374
12/3/24 4:30		-1	508	236374
12/3/24 5:00		-1	508	236374

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
12/3/24 5:30		-1	508	236374
12/3/24 6:00		-1	508	236374
12/3/24 6:30		-1	509	236374
12/3/24 7:00		-1	508	236374
12/3/24 7:30		-1	508	236374
12/3/24 8:00		-1	508	236374
12/3/24 8:30		-1	508	236374
12/3/24 9:00		-1	508	236374
12/3/24 9:30		-1	508	236374
12/3/24 10:00		-1	509	236374
12/3/24 10:30		-1	509	236374
12/3/24 11:00		-1	509	236374
12/3/24 11:30		-1	509	236374
12/3/24 12:00		-1	509	236374
12/3/24 12:30		-1	508	236374
12/3/24 13:00		-1	509	236374
12/3/24 13:30		-1	509	236374
12/3/24 14:00		-1	508	236374
12/3/24 14:30		-1	508	236374
12/3/24 15:00		-1	508	236374
12/3/24 15:30		-1	508	236374
12/3/24 16:00		-1	508	236374
12/3/24 16:30		-1	508	236374
12/3/24 17:00		-1	508	236374
12/3/24 17:30		-1	508	236374
12/3/24 18:00		-1	508	236374
12/3/24 18:30		-1	508	236374
12/3/24 19:00		-1	508	236374
12/3/24 19:30		-1	508	236374
12/3/24 20:00		-1	508	236374
12/3/24 20:30		-1	508	236374
12/3/24 21:00		-1	508	236374
12/3/24 21:30		-1	508	236374
12/3/24 22:00		-1	508	236374
12/3/24 22:30		-1	508	236374
12/3/24 23:00		-1	508	236374
12/3/24 23:30		-1	508	236374
12/4/24 0:00		-1	508	236374
12/4/24 0:30		-1	508	236374
12/4/24 1:00		-1	508	236374
12/4/24 1:30		-1	508	236374
12/4/24 2:00		-1	507	236374
12/4/24 2:30		-1	507	236374
12/4/24 3:00		-1	507	236374
12/4/24 3:30		-1	507	236374
12/4/24 4:00		-1	507	236374
12/4/24 4:30		-1	507	236374
12/4/24 5:00		-1	507	236374
12/4/24 5:30		-1	507	236374
12/4/24 6:00		-1	507	236374
12/4/24 6:30		-1	507	236374
12/4/24 7:00		-1	507	236374
12/4/24 7:30		-1	507	236374
12/4/24 8:00		-1	507	236374
12/4/24 8:30		-1	507	236374
12/4/24 9:00		-1	507	236374
12/4/24 9:30		-1	508	236374
12/4/24 10:00		-1	509	236374
12/4/24 10:30		-1	509	236374
12/4/24 11:00		-1	509	236374
12/4/24 11:30		-1	508	236374
12/4/24 12:00	101	-4	674	236400

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
12/4/24 12:30	89	-2	700	236418
12/4/24 13:00		-1	596	236419
12/4/24 13:30		-1	566	236419
12/4/24 14:00		-1	551	236419
12/4/24 14:30		-1	542	236419
12/4/24 15:00		-1	536	236419
12/4/24 15:30		-1	532	236419
12/4/24 16:00		-1	529	236419
12/4/24 16:30		-1	526	236419
12/4/24 17:00		-1	525	236419
12/4/24 17:30		-1	523	236419
12/4/24 18:00		-1	522	236419
12/4/24 18:30		-1	521	236419
12/4/24 19:00		-1	520	236419
12/4/24 19:30		-1	519	236419
12/4/24 20:00		-1	519	236419
12/4/24 20:30		-1	518	236419
12/4/24 21:00		-1	518	236419
12/4/24 21:30		-1	517	236419
12/4/24 22:00		-1	517	236419
12/4/24 22:30		-1	516	236419
12/4/24 23:00		-1	516	236419
12/4/24 23:30		-1	516	236419
12/5/24 0:00		-1	515	236419
12/5/24 0:30		-1	515	236419
12/5/24 1:00		-1	515	236419
12/5/24 1:30		-1	514	236419
12/5/24 2:00		-1	514	236419
12/5/24 2:30		-1	514	236419
12/5/24 3:00		-1	514	236419
12/5/24 3:30		-1	514	236419
12/5/24 4:00		-1	513	236419
12/5/24 4:30		-1	513	236419
12/5/24 5:00		-1	513	236419
12/5/24 5:30		-1	513	236419
12/5/24 6:00		-1	513	236419
12/5/24 6:30		-1	513	236419
12/5/24 7:00		-1	513	236419
12/5/24 7:30		-1	513	236419
12/5/24 8:00		-1	513	236419
12/5/24 8:30		-1	512	236419
12/5/24 9:00		-1	512	236419
12/5/24 9:30		-1	513	236419
12/5/24 10:00		-1	514	236419
12/5/24 10:30		-1	513	236419
12/5/24 11:00		-1	513	236419
12/5/24 11:30		-1	513	236419
12/5/24 12:00		-1	513	236419
12/5/24 12:30		-1	512	236419
12/5/24 13:00		-1	512	236419
12/5/24 13:30		-1	512	236419
12/5/24 14:00		-1	512	236419
12/5/24 14:30		-1	512	236419
12/5/24 15:00		-1	512	236419
12/5/24 15:30		-1	512	236419
12/5/24 16:00		-1	512	236419
12/5/24 16:30		-1	512	236419
12/5/24 17:00		-1	511	236419
12/5/24 17:30		-1	511	236419
12/5/24 18:00		-1	511	236419
12/5/24 18:30		-1	511	236419
12/5/24 19:00		-1	511	236419

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
12/5/24 19:30		-1	511	236419
12/5/24 20:00		-1	511	236419
12/5/24 20:30		-1	511	236419
12/5/24 21:00		-1	511	236419
12/5/24 21:30		-1	511	236419
12/5/24 22:00		-1	511	236419
12/5/24 22:30		-1	511	236419
12/5/24 23:00		-1	511	236419
12/5/24 23:30		-1	511	236419
12/6/24 0:00		-1	511	236419
12/6/24 0:30		-1	510	236419
12/6/24 1:00		-1	510	236419
12/6/24 1:30		-1	510	236419
12/6/24 2:00		-1	510	236419
12/6/24 2:30		-1	510	236419
12/6/24 3:00		-1	510	236419
12/6/24 3:30		-1	510	236419
12/6/24 4:00		-1	510	236419
12/6/24 4:30		-1	510	236419
12/6/24 5:00		-1	510	236419
12/6/24 5:30		-1	510	236419
12/6/24 6:00		-1	510	236419
12/6/24 6:30		-1	510	236419
12/6/24 7:00		-1	510	236419
12/6/24 7:30		-1	510	236419
12/6/24 8:00		-1	509	236419
12/6/24 8:30		-1	509	236419
12/6/24 9:00		-1	509	236419
12/6/24 9:30		-1	510	236419
12/6/24 10:00		-1	511	236419
12/6/24 10:30		-1	511	236419
12/6/24 11:00		-1	511	236419
12/6/24 11:30		-1	510	236419
12/6/24 12:00		-1	510	236419
12/6/24 12:30		-1	510	236419
12/6/24 13:00		-1	510	236419
12/6/24 13:30		-1	510	236419
12/6/24 14:00		-1	510	236419
12/6/24 14:30		-1	510	236419
12/6/24 15:00		-1	510	236419
12/6/24 15:30		-1	510	236419
12/6/24 16:00		-1	510	236419
12/6/24 16:30		-1	509	236419
12/6/24 17:00		-1	509	236419
12/6/24 17:30		-1	509	236419
12/6/24 18:00		-1	509	236419
12/6/24 18:30		-1	509	236419
12/6/24 19:00		-1	509	236419
12/6/24 19:30		-1	509	236419
12/6/24 20:00		-1	509	236419
12/6/24 20:30		-1	509	236419
12/6/24 21:00		-1	509	236419
12/6/24 21:30		-1	509	236419
12/6/24 22:00		-1	509	236419
12/6/24 22:30		-1	509	236419
12/6/24 23:00		-1	509	236419
12/6/24 23:30		-1	509	236419
12/7/24 0:00		-1	509	236419
12/7/24 0:30		-1	509	236419
12/7/24 1:00		-1	509	236419
12/7/24 1:30		-1	509	236419
12/7/24 2:00		-1	509	236419

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
12/7/24 2:30		-1	509	236419
12/7/24 3:00		-1	509	236419
12/7/24 3:30		-1	509	236419
12/7/24 4:00		-1	508	236419
12/7/24 4:30		-1	508	236419
12/7/24 5:00		-1	508	236419
12/7/24 5:30		-1	508	236419
12/7/24 6:00		-1	508	236419
12/7/24 6:30		-1	508	236419
12/7/24 7:00		-1	508	236419
12/7/24 7:30		-1	508	236419
12/7/24 8:00		-1	508	236419
12/7/24 8:30		-1	508	236419
12/7/24 9:00		-1	508	236419
12/7/24 9:30		-1	508	236419
12/7/24 10:00		-1	510	236419
12/7/24 10:30		-1	510	236419
12/7/24 11:00		-1	509	236419
12/7/24 11:30		-1	509	236419
12/7/24 12:00		-1	509	236419
12/7/24 12:30		-1	509	236419
12/7/24 13:00		-1	509	236419
12/7/24 13:30		-1	509	236419
12/7/24 14:00		-1	509	236419
12/7/24 14:30		-1	509	236419
12/7/24 15:00		-1	508	236419
12/7/24 15:30		-1	508	236419
12/7/24 16:00		-1	508	236419
12/7/24 16:30		-1	508	236419
12/7/24 17:00		-1	508	236419
12/7/24 17:30		-1	508	236419
12/7/24 18:00		-1	508	236419
12/7/24 18:30		-1	508	236419
12/7/24 19:00		-1	508	236419
12/7/24 19:30		-1	508	236419
12/7/24 20:00		-1	508	236419
12/7/24 20:30		-1	508	236419
12/7/24 21:00		-1	508	236419
12/7/24 21:30		-1	508	236419
12/7/24 22:00		-1	508	236419
12/7/24 22:30		-1	508	236419
12/7/24 23:00		-1	508	236419
12/7/24 23:30		-1	508	236419
12/8/24 0:00		-1	508	236419
12/8/24 0:30		-1	508	236419
12/8/24 1:00		-1	508	236419
12/8/24 1:30		-1	508	236419
12/8/24 2:00		-1	508	236419
12/8/24 2:30		-1	508	236419
12/8/24 3:00		-1	508	236419
12/8/24 3:30		-1	507	236419
12/8/24 4:00		-1	507	236419
12/8/24 4:30		-1	507	236419
12/8/24 5:00		-1	507	236419
12/8/24 5:30		-1	507	236419
12/8/24 6:00		-1	507	236419
12/8/24 6:30		-1	507	236419
12/8/24 7:00		-1	507	236419
12/8/24 7:30		-1	507	236419
12/8/24 8:00		-1	507	236419
12/8/24 8:30		-1	507	236419
12/8/24 9:00		-1	507	236419

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
12/8/24 9:30		-1	508	236419
12/8/24 10:00		-1	509	236419
12/8/24 10:30		-1	509	236419
12/8/24 11:00		-1	509	236419
12/8/24 11:30		-1	508	236419
12/8/24 12:00		-1	508	236419
12/8/24 12:30		-1	508	236419
12/8/24 13:00		-1	508	236419
12/8/24 13:30		-1	508	236419
12/8/24 14:00		-1	508	236419
12/8/24 14:30		-1	508	236419
12/8/24 15:00		-1	508	236419
12/8/24 15:30		-1	508	236419
12/8/24 16:00		-1	508	236419
12/8/24 16:30		-1	508	236419
12/8/24 17:00		-1	508	236419
12/8/24 17:30		-1	508	236419
12/8/24 18:00		-1	507	236419
12/8/24 18:30		-1	507	236419
12/8/24 19:00		-1	507	236419
12/8/24 19:30		-1	507	236419
12/8/24 20:00		-1	507	236419
12/8/24 20:30		-1	507	236419
12/8/24 21:00		-1	507	236419
12/8/24 21:30		-1	507	236419
12/8/24 22:00		-1	507	236419
12/8/24 22:30		-1	507	236419
12/8/24 23:00		-1	507	236419
12/8/24 23:30		-1	507	236419
12/9/24 0:00		-1	507	236419
12/9/24 0:30		-1	507	236419
12/9/24 1:00		-1	507	236419
12/9/24 1:30		-1	507	236419
12/9/24 2:00		-1	507	236419
12/9/24 2:30		-1	507	236419
12/9/24 3:00		-1	507	236419
12/9/24 3:30		-1	507	236419
12/9/24 4:00		-1	507	236419
12/9/24 4:30		-1	507	236419
12/9/24 5:00		-1	507	236419
12/9/24 5:30		-1	507	236419
12/9/24 6:00		-1	507	236419
12/9/24 6:30		-1	506	236419
12/9/24 7:00		-1	506	236419
12/9/24 7:30		-1	507	236419
12/9/24 8:00		-1	506	236419
12/9/24 8:30		-1	506	236419
12/9/24 9:00		-1	506	236419
12/9/24 9:30		-1	507	236419
12/9/24 10:00		-1	508	236419
12/9/24 10:30		-1	508	236419
12/9/24 11:00		-1	508	236419
12/9/24 11:30		-1	508	236419
12/9/24 12:00		-1	508	236419
12/9/24 12:30		-1	508	236419
12/9/24 13:00		-1	507	236419
12/9/24 13:30		-1	507	236419
12/9/24 14:00		-1	507	236419
12/9/24 14:30		-1	507	236419
12/9/24 15:00		-1	507	236419
12/9/24 15:30		-1	507	236419
12/9/24 16:00		-1	507	236419



Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
12/9/24 16:30		-1	507	236419
12/9/24 17:00		-1	507	236419
12/9/24 17:30		-1	507	236419
12/9/24 18:00		-1	507	236419
12/9/24 18:30		-1	507	236419
12/9/24 19:00		-1	506	236419
12/9/24 19:30		-1	506	236419
12/9/24 20:00		-1	507	236419
12/9/24 20:30		-1	507	236419
12/9/24 21:00		-1	507	236419
12/9/24 21:30		-1	506	236419
12/9/24 22:00		-1	506	236419
12/9/24 22:30		-1	506	236419
12/9/24 23:00		-1	506	236419
12/9/24 23:30		-1	506	236419
12/10/24 0:00		-1	506	236419
12/10/24 0:30		-1	506	236419
12/10/24 1:00		-1	506	236419
12/10/24 1:30		-1	506	236419
12/10/24 2:00		-1	506	236419
12/10/24 2:30		-1	506	236419
12/10/24 3:00		-1	506	236419
12/10/24 3:30		-1	506	236419
12/10/24 4:00		-1	506	236419
12/10/24 4:30		-1	506	236419
12/10/24 5:00		-1	506	236419
12/10/24 5:30		-1	506	236419
12/10/24 6:00		-1	506	236419
12/10/24 6:30		-1	506	236419
12/10/24 7:00		-1	506	236419
12/10/24 7:30		-1	506	236419
12/10/24 8:00		-1	506	236419
12/10/24 8:30		-1	505	236419
12/10/24 9:00		-1	505	236419
12/10/24 9:30		-1	506	236419
12/10/24 10:00		-1	507	236419
12/10/24 10:30		-1	507	236419
12/10/24 11:00		-1	507	236419
12/10/24 11:30		-1	507	236419
12/10/24 12:00		-1	507	236419
12/10/24 12:30		-1	507	236419
12/10/24 13:00		-1	506	236419
12/10/24 13:30		-1	506	236419
12/10/24 14:00		-1	506	236419
12/10/24 14:30		-1	506	236419
12/10/24 15:00		-1	506	236419
12/10/24 15:30		-1	506	236419
12/10/24 16:00		-1	506	236419
12/10/24 16:30		-1	506	236419
12/10/24 17:00		-1	506	236419
12/10/24 17:30		-1	506	236419
12/10/24 18:00		-1	506	236419
12/10/24 18:30		-1	506	236419
12/10/24 19:00		-1	506	236419
12/10/24 19:30		-1	506	236419
12/10/24 20:00		-1	506	236419
12/10/24 20:30		-1	506	236419
12/10/24 21:00		-1	506	236419
12/10/24 21:30		-1	506	236419
12/10/24 22:00		-1	506	236419
12/10/24 22:30		-1	506	236419
12/10/24 23:00		-1	506	236419

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
12/10/24 23:30		-1	506	236419
12/11/24 0:00		-1	506	236419
12/11/24 0:30		-1	506	236419
12/11/24 1:00		-1	506	236419
12/11/24 1:30		-1	506	236419
12/11/24 2:00		-1	506	236419
12/11/24 2:30		-1	506	236419
12/11/24 3:00		-1	506	236419
12/11/24 3:30		-1	505	236419
12/11/24 4:00		-1	505	236419
12/11/24 4:30		-1	505	236419
12/11/24 5:00		-1	505	236419
12/11/24 5:30		-1	505	236419
12/11/24 6:00		-1	505	236419
12/11/24 6:30		-1	505	236419
12/11/24 7:00		-1	505	236419
12/11/24 7:30		-1	505	236419
12/11/24 8:00		-1	505	236419
12/11/24 8:30		-1	506	236419
12/11/24 9:00		-1	505	236419
12/11/24 9:30		-1	506	236419
12/11/24 10:00		-1	506	236419
12/11/24 10:30		-1	506	236419
12/11/24 11:00		-1	506	236419
12/11/24 11:30		-1	506	236419
12/11/24 12:00		-1	506	236419
12/11/24 12:30		-1	506	236419
12/11/24 13:00		-1	506	236419
12/11/24 13:30		-1	506	236419
12/11/24 14:00		-1	506	236419
12/11/24 14:30		-1	506	236419
12/11/24 15:00		-1	506	236419
12/11/24 15:30		-1	506	236419
12/11/24 16:00		-1	506	236419
12/11/24 16:30		-1	505	236419
12/11/24 17:00		-1	506	236419
12/11/24 17:30		-1	505	236419
12/11/24 18:00		-1	505	236419
12/11/24 18:30		-1	505	236419
12/11/24 19:00		-1	505	236419
12/11/24 19:30		-1	505	236419
12/11/24 20:00		-1	505	236419
12/11/24 20:30		-1	505	236419
12/11/24 21:00		-1	505	236419
12/11/24 21:30		-1	505	236419
12/11/24 22:00		-1	505	236419
12/11/24 22:30		-1	505	236419
12/11/24 23:00		-1	505	236419
12/11/24 23:30		-1	505	236419
12/12/24 0:00		-1	505	236419
12/12/24 0:30		-1	505	236419
12/12/24 1:00		-1	505	236419
12/12/24 1:30		-1	505	236419
12/12/24 2:00		-1	505	236419
12/12/24 2:30		-1	505	236419
12/12/24 3:00		-1	505	236419
12/12/24 3:30		-1	505	236419
12/12/24 4:00		-1	505	236419
12/12/24 4:30		-1	505	236419
12/12/24 5:00		-1	505	236419
12/12/24 5:30		-1	505	236419
12/12/24 6:00		-1	505	236419

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
12/12/24 6:30		-1	505	236419
12/12/24 7:00		-1	505	236419
12/12/24 7:30		-1	505	236419
12/12/24 8:00		-1	505	236419
12/12/24 8:30		-1	504	236419
12/12/24 9:00		-1	504	236419
12/12/24 9:30		-1	505	236419
12/12/24 10:00		-1	506	236419
12/12/24 10:30		-1	506	236419
12/12/24 11:00		-1	506	236419
12/12/24 11:30		-1	506	236419
12/12/24 12:00		-1	506	236419
12/12/24 12:30		-1	506	236419
12/12/24 13:00		-1	505	236419
12/12/24 13:30		-1	505	236419
12/12/24 14:00		-1	505	236419
12/12/24 14:30		-1	506	236419
12/12/24 15:00		-1	506	236419
12/12/24 15:30		-1	505	236419
12/12/24 16:00		-1	505	236419
12/12/24 16:30		-1	505	236419
12/12/24 17:00		-1	505	236419
12/12/24 17:30		-1	505	236419
12/12/24 18:00		-1	505	236419
12/12/24 18:30		-1	505	236419
12/12/24 19:00		-1	505	236419
12/12/24 19:30		-1	505	236419
12/12/24 20:00		-1	505	236419
12/12/24 20:30		-1	505	236419
12/12/24 21:00		-1	505	236419
12/12/24 21:30		-1	505	236419
12/12/24 22:00		-1	505	236419
12/12/24 22:30		-1	505	236419
12/12/24 23:00		-1	505	236419
12/12/24 23:30		-1	505	236419
12/13/24 0:00		-1	505	236419
12/13/24 0:30		-1	505	236419
12/13/24 1:00		-1	505	236419
12/13/24 1:30		-1	505	236419
12/13/24 2:00		-1	505	236419
12/13/24 2:30		-1	505	236419
12/13/24 3:00		-1	505	236419
12/13/24 3:30		-1	505	236419
12/13/24 4:00		-1	505	236419
12/13/24 4:30		-1	505	236419
12/13/24 5:00		-1	505	236419
12/13/24 5:30		-1	505	236419
12/13/24 6:00		-1	505	236419
12/13/24 6:30		-1	505	236419
12/13/24 7:00		-1	504	236419
12/13/24 7:30		-1	504	236419
12/13/24 8:00		-1	504	236419
12/13/24 8:30		-1	505	236419
12/13/24 9:00		-1	504	236419
12/13/24 9:30		-1	504	236419
12/13/24 10:00		-1	504	236419
12/13/24 10:30		-1	505	236419
12/13/24 11:00		-1	505	236419
12/13/24 11:30		-1	505	236419
12/13/24 12:00		-1	505	236419
12/13/24 12:30		-1	505	236419
12/13/24 13:00		-1	505	236419

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
12/13/24 13:30		-1	505	236419
12/13/24 14:00		-1	505	236419
12/13/24 14:30		-1	505	236419
12/13/24 15:00		-1	505	236419
12/13/24 15:30		-1	505	236419
12/13/24 16:00		-1	505	236419
12/13/24 16:30		-1	505	236419
12/13/24 17:00		-1	504	236419
12/13/24 17:30		-1	505	236419
12/13/24 18:00		-1	504	236419
12/13/24 18:30		-1	504	236419
12/13/24 19:00		-1	504	236419
12/13/24 19:30		-1	504	236419
12/13/24 20:00		-1	504	236419
12/13/24 20:30		-1	504	236419
12/13/24 21:00		-1	504	236419
12/13/24 21:30		-1	504	236419
12/13/24 22:00		-1	504	236419
12/13/24 22:30		-1	504	236419
12/13/24 23:00		-1	504	236419
12/13/24 23:30		-1	504	236419
12/14/24 0:00		-1	504	236419
12/14/24 0:30		-1	504	236419
12/14/24 1:00		-1	504	236419
12/14/24 1:30		-1	504	236419
12/14/24 2:00		-1	504	236419
12/14/24 2:30		-1	504	236419
12/14/24 3:00		-1	504	236419
12/14/24 3:30		-1	504	236419
12/14/24 4:00		-1	504	236419
12/14/24 4:30		-1	504	236419
12/14/24 5:00		-1	504	236419
12/14/24 5:30		-1	504	236419
12/14/24 6:00		-1	504	236419
12/14/24 6:30		-1	504	236419
12/14/24 7:00		-1	504	236419
12/14/24 7:30		-1	504	236419
12/14/24 8:00		-1	504	236419
12/14/24 8:30		-1	504	236419
12/14/24 9:00		-1	503	236419
12/14/24 9:30		-1	504	236419
12/14/24 10:00		-1	505	236419
12/14/24 10:30		-1	505	236419
12/14/24 11:00		-1	505	236419
12/14/24 11:30		-1	505	236419
12/14/24 12:00		-1	504	236419
12/14/24 12:30		-1	504	236419
12/14/24 13:00		-1	504	236419
12/14/24 13:30		-1	504	236419
12/14/24 14:00		-1	504	236419
12/14/24 14:30		-1	504	236419
12/14/24 15:00		-1	504	236419
12/14/24 15:30		-1	504	236419
12/14/24 16:00		-1	504	236419
12/14/24 16:30		-1	504	236419
12/14/24 17:00		-1	504	236419
12/14/24 17:30		-1	504	236419
12/14/24 18:00		-1	504	236419
12/14/24 18:30		-1	504	236419
12/14/24 19:00		-1	504	236419
12/14/24 19:30		-1	504	236419
12/14/24 20:00		-1	504	236419

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
12/14/24 20:30		-1	504	236419
12/14/24 21:00		-1	504	236419
12/14/24 21:30		-1	504	236419
12/14/24 22:00		-1	504	236419
12/14/24 22:30		-1	504	236419
12/14/24 23:00		-1	504	236419
12/14/24 23:30		-1	504	236419
12/15/24 0:00		-1	503	236419
12/15/24 0:30		-1	504	236419
12/15/24 1:00		-1	504	236419
12/15/24 1:30		-1	504	236419
12/15/24 2:00		-1	504	236419
12/15/24 2:30		-1	504	236419
12/15/24 3:00		-1	503	236419
12/15/24 3:30		-1	503	236419
12/15/24 4:00		-1	503	236419
12/15/24 4:30		-1	503	236419
12/15/24 5:00		-1	503	236419
12/15/24 5:30		-1	503	236419
12/15/24 6:00		-1	503	236419
12/15/24 6:30		-1	503	236419
12/15/24 7:00		-1	503	236419
12/15/24 7:30		-1	503	236419
12/15/24 8:00		-1	503	236419
12/15/24 8:30		-1	504	236419
12/15/24 9:00		-1	504	236419
12/15/24 9:30		-1	504	236419
12/15/24 10:00		-1	504	236419
12/15/24 10:30		-1	504	236419
12/15/24 11:00		-1	504	236419
12/15/24 11:30		-1	504	236419
12/15/24 12:00		-1	504	236419
12/15/24 12:30		-1	504	236419
12/15/24 13:00		-1	504	236419
12/15/24 13:30		-1	504	236419
12/15/24 14:00		-1	504	236419
12/15/24 14:30		-1	504	236419
12/15/24 15:00		-1	504	236419
12/15/24 15:30		-1	504	236419
12/15/24 16:00		-1	503	236419
12/15/24 16:30		-1	503	236419
12/15/24 17:00		-1	503	236419
12/15/24 17:30		-1	503	236419
12/15/24 18:00		-1	503	236419
12/15/24 18:30		-1	503	236419
12/15/24 19:00		-1	503	236419
12/15/24 19:30		-1	503	236419
12/15/24 20:00		-1	503	236419
12/15/24 20:30		-1	503	236419
12/15/24 21:00		-1	503	236419
12/15/24 21:30		-1	503	236419
12/15/24 22:00		-1	503	236419
12/15/24 22:30		-1	503	236419
12/15/24 23:00		-1	503	236419
12/15/24 23:30		-1	503	236419
12/16/24 0:00		-1	503	236419
12/16/24 0:30		-1	503	236419
12/16/24 1:00		-1	503	236419
12/16/24 1:30		-1	503	236419
12/16/24 2:00		-1	503	236419
12/16/24 2:30		-1	503	236419
12/16/24 3:00		-1	503	236419

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
12/16/24 3:30		-1	503	236419
12/16/24 4:00		-1	503	236419
12/16/24 4:30		-1	502	236419
12/16/24 5:00		-1	502	236419
12/16/24 5:30		-1	502	236419
12/16/24 6:00		-1	502	236419
12/16/24 6:30		-1	502	236419
12/16/24 7:00		-1	502	236419
12/16/24 7:30		-1	502	236419
12/16/24 8:00		-1	502	236419
12/16/24 8:30		-1	502	236419
12/16/24 9:00		-1	502	236419
12/16/24 9:30		-1	503	236419
12/16/24 10:00		-1	504	236419
12/16/24 10:30		-1	504	236419
12/16/24 11:00		-1	504	236419
12/16/24 11:30		-1	504	236419
12/16/24 12:00		-1	504	236419
12/16/24 12:30		-1	503	236419
12/16/24 13:00		-1	503	236419
12/16/24 13:30		-1	503	236419
12/16/24 14:00		-1	503	236419
12/16/24 14:30		-1	503	236419
12/16/24 15:00		-1	503	236419
12/16/24 15:30		-1	503	236419
12/16/24 16:00		-1	503	236419
12/16/24 16:30		-1	503	236419
12/16/24 17:00		-1	503	236419
12/16/24 17:30		-1	503	236419
12/16/24 18:00		-1	503	236419
12/16/24 18:30		-1	503	236419
12/16/24 19:00		-1	502	236419
12/16/24 19:30		-1	503	236419
12/16/24 20:00		-1	503	236419
12/16/24 20:30		-1	503	236419
12/16/24 21:00		-1	503	236419
12/16/24 21:30		-1	503	236419
12/16/24 22:00		-1	503	236419
12/16/24 22:30		-1	503	236419
12/16/24 23:00		-1	503	236419
12/16/24 23:30		-1	503	236419
12/17/24 0:00		-1	502	236419
12/17/24 0:30		-1	502	236419
12/17/24 1:00		-1	502	236419
12/17/24 1:30		-1	503	236419
12/17/24 2:00		-1	503	236419
12/17/24 2:30		-1	503	236419
12/17/24 3:00		-1	503	236419
12/17/24 3:30		-1	502	236419
12/17/24 4:00		-1	502	236419
12/17/24 4:30		-1	502	236419
12/17/24 5:00		-1	502	236419
12/17/24 5:30		-1	502	236419
12/17/24 6:00		-1	502	236419
12/17/24 6:30		-1	503	236419
12/17/24 7:00		-1	502	236419
12/17/24 7:30		-1	502	236419
12/17/24 8:00		-1	502	236419
12/17/24 8:30		-1	502	236419
12/17/24 9:00		-1	502	236419
12/17/24 9:30		-1	502	236419
12/17/24 10:00		-1	503	236419

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
12/17/24 10:30		-1	503	236419
12/17/24 11:00		-1	503	236419
12/17/24 11:30		-1	503	236419
12/17/24 12:00		-1	503	236419
12/17/24 12:30		-1	503	236419
12/17/24 13:00		-1	503	236419
12/17/24 13:30		-1	503	236419
12/17/24 14:00		-1	503	236419
12/17/24 14:30		-1	503	236419
12/17/24 15:00		-1	503	236419
12/17/24 15:30		-1	503	236419
12/17/24 16:00		-1	503	236419
12/17/24 16:30		-1	502	236419
12/17/24 17:00		-1	502	236419
12/17/24 17:30		-1	502	236419
12/17/24 18:00		-1	502	236419
12/17/24 18:30		-1	502	236419
12/17/24 19:00		-1	502	236419
12/17/24 19:30		-1	502	236419
12/17/24 20:00		-1	502	236419
12/17/24 20:30		-1	502	236419
12/17/24 21:00		-1	502	236419
12/17/24 21:30		-1	502	236419
12/17/24 22:00		-1	502	236419
12/17/24 22:30		-1	502	236419
12/17/24 23:00		-1	502	236419
12/17/24 23:30		-1	502	236419
12/18/24 0:00		-1	502	236419
12/18/24 0:30		-1	502	236419
12/18/24 1:00		-1	502	236419
12/18/24 1:30		-1	502	236419
12/18/24 2:00		-1	502	236419
12/18/24 2:30		-1	502	236419
12/18/24 3:00		-1	502	236419
12/18/24 3:30		-1	502	236419
12/18/24 4:00		-1	502	236419
12/18/24 4:30		-1	502	236419
12/18/24 5:00		-1	501	236419
12/18/24 5:30		-1	501	236419
12/18/24 6:00		-1	501	236419
12/18/24 6:30		-1	501	236419
12/18/24 7:00		-1	501	236419
12/18/24 7:30		-1	501	236419
12/18/24 8:00		-1	501	236419
12/18/24 8:30		-1	501	236419
12/18/24 9:00		-1	502	236419
12/18/24 9:30		-1	502	236419
12/18/24 10:00		-1	503	236419
12/18/24 10:30		-1	503	236419
12/18/24 11:00		-1	503	236419
12/18/24 11:30		-1	503	236419
12/18/24 12:00		-1	503	236419
12/18/24 12:30		-1	503	236419
12/18/24 13:00		-1	502	236419
12/18/24 13:30		-1	502	236419
12/18/24 14:00		-1	502	236419
12/18/24 14:30		-1	502	236419
12/18/24 15:00		-1	502	236419
12/18/24 15:30		-1	502	236419
12/18/24 16:00		-1	502	236419
12/18/24 16:30		-1	502	236419
12/18/24 17:00		-1	502	236419

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
12/18/24 17:30		-1	502	236419
12/18/24 18:00		-1	502	236419
12/18/24 18:30		-1	502	236419
12/18/24 19:00		-1	502	236419
12/18/24 19:30		-1	502	236419
12/18/24 20:00		-1	502	236419
12/18/24 20:30		-1	502	236419
12/18/24 21:00		-1	502	236419
12/18/24 21:30		-1	502	236419
12/18/24 22:00		-1	502	236419
12/18/24 22:30		-1	502	236419
12/18/24 23:00		-1	502	236419
12/18/24 23:30		-1	501	236419
12/19/24 0:00		-1	501	236419
12/19/24 0:30		-1	501	236419
12/19/24 1:00		-1	501	236419
12/19/24 1:30		-1	501	236419
12/19/24 2:00		-1	501	236419
12/19/24 2:30		-1	501	236419
12/19/24 3:00		-1	501	236419
12/19/24 3:30		-1	501	236419
12/19/24 4:00		-1	501	236419
12/19/24 4:30		-1	501	236419
12/19/24 5:00		-1	501	236419
12/19/24 5:30		-1	501	236419
12/19/24 6:00		-1	501	236419
12/19/24 6:30		-1	501	236419
12/19/24 7:00		-1	501	236419
12/19/24 7:30		-1	501	236419
12/19/24 8:00		-1	501	236419
12/19/24 8:30		-1	501	236419
12/19/24 9:00		-1	501	236419
12/19/24 9:30		-1	501	236419
12/19/24 10:00		-1	502	236419
12/19/24 10:30		-1	503	236419
12/19/24 11:00		-1	503	236419
12/19/24 11:30		-1	502	236419
12/19/24 12:00		-1	502	236419
12/19/24 12:30		-1	502	236419
12/19/24 13:00		-1	502	236419
12/19/24 13:30		-1	502	236419
12/19/24 14:00		-1	502	236419
12/19/24 14:30		-1	502	236419
12/19/24 15:00		-1	502	236419
12/19/24 15:30		-1	502	236419
12/19/24 16:00		-1	501	236419
12/19/24 16:30		-1	501	236419
12/19/24 17:00		-1	501	236419
12/19/24 17:30		-1	501	236419
12/19/24 18:00		-1	501	236419
12/19/24 18:30		-1	501	236419
12/19/24 19:00		-1	501	236419
12/19/24 19:30		-1	501	236419
12/19/24 20:00		-1	501	236419
12/19/24 20:30		-1	501	236419
12/19/24 21:00		-1	501	236419
12/19/24 21:30		-1	501	236419
12/19/24 22:00		-1	501	236419
12/19/24 22:30		-1	501	236419
12/19/24 23:00		-1	501	236419
12/19/24 23:30		-1	501	236419
12/20/24 0:00		-1	501	236419



Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
12/20/24 0:30		-1	501	236419
12/20/24 1:00		-1	501	236419
12/20/24 1:30		-1	501	236419
12/20/24 2:00		-1	501	236419
12/20/24 2:30		-1	501	236419
12/20/24 3:00		-1	501	236419
12/20/24 3:30		-1	501	236419
12/20/24 4:00		-1	501	236419
12/20/24 4:30		-1	501	236419
12/20/24 5:00		-1	501	236419
12/20/24 5:30		-1	501	236419
12/20/24 6:00		-1	501	236419
12/20/24 6:30		-1	501	236419
12/20/24 7:00		-1	501	236419
12/20/24 7:30		-1	501	236419
12/20/24 8:00		-1	501	236419
12/20/24 8:30		-1	501	236419
12/20/24 9:00		-1	501	236419
12/20/24 9:30		-1	501	236419
12/20/24 10:00		-1	502	236419
12/20/24 10:30		-1	502	236419
12/20/24 11:00		-1	502	236419
12/20/24 11:30		-1	502	236419
12/20/24 12:00		-1	502	236419
12/20/24 12:30		-1	501	236419
12/20/24 13:00		-1	501	236419
12/20/24 13:30		-1	501	236419
12/20/24 14:00		-1	501	236419
12/20/24 14:30		-1	501	236419
12/20/24 15:00		-1	501	236419
12/20/24 15:30		-1	501	236419
12/20/24 16:00		-1	501	236419
12/20/24 16:30		-1	501	236419
12/20/24 17:00		-1	501	236419
12/20/24 17:30		-1	501	236419
12/20/24 18:00		-1	501	236419
12/20/24 18:30		-1	501	236419
12/20/24 19:00		-1	500	236419
12/20/24 19:30		-1	501	236419
12/20/24 20:00		-1	501	236419
12/20/24 20:30		-1	501	236419
12/20/24 21:00		-1	501	236419
12/20/24 21:30		-1	501	236419
12/20/24 22:00		-1	501	236419
12/20/24 22:30		-1	501	236419
12/20/24 23:00		-1	501	236419
12/20/24 23:30		-1	501	236419
12/21/24 0:00		-1	501	236419
12/21/24 0:30		-1	501	236419
12/21/24 1:00		-1	501	236419
12/21/24 1:30		-1	501	236419
12/21/24 2:00		-1	501	236419
12/21/24 2:30		-1	501	236419
12/21/24 3:00		-1	500	236419
12/21/24 3:30		-1	500	236419
12/21/24 4:00		-1	500	236419
12/21/24 4:30		-1	500	236419
12/21/24 5:00		-1	500	236419
12/21/24 5:30		-1	500	236419
12/21/24 6:00		-1	500	236419
12/21/24 6:30		-1	500	236419
12/21/24 7:00		-1	500	236419

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
12/21/24 7:30		-1	500	236419
12/21/24 8:00		-1	500	236419
12/21/24 8:30		-1	500	236419
12/21/24 9:00		-1	500	236419
12/21/24 9:30		-1	500	236419
12/21/24 10:00		-1	501	236419
12/21/24 10:30		-1	502	236419
12/21/24 11:00		-1	502	236419
12/21/24 11:30		-1	501	236419
12/21/24 12:00		-1	501	236419
12/21/24 12:30		-1	501	236419
12/21/24 13:00		-1	501	236419
12/21/24 13:30		-1	501	236419
12/21/24 14:00		-1	501	236419
12/21/24 14:30		-1	501	236419
12/21/24 15:00		-1	501	236419
12/21/24 15:30		-1	501	236419
12/21/24 16:00		-1	501	236419
12/21/24 16:30		-1	501	236419
12/21/24 17:00		-1	501	236419
12/21/24 17:30		-1	501	236419
12/21/24 18:00		-1	500	236419
12/21/24 18:30		-1	500	236419
12/21/24 19:00		-1	500	236419
12/21/24 19:30		-1	500	236419
12/21/24 20:00		-1	500	236419
12/21/24 20:30		-1	500	236419
12/21/24 21:00		-1	500	236419
12/21/24 21:30		-1	500	236419
12/21/24 22:00		-1	500	236419
12/21/24 22:30		-1	500	236419
12/21/24 23:00		-1	500	236419
12/21/24 23:30		-1	500	236419
12/22/24 0:00		-1	500	236419
12/22/24 0:30		-1	500	236419
12/22/24 1:00		-1	500	236419
12/22/24 1:30		-1	500	236419
12/22/24 2:00		-1	500	236419
12/22/24 2:30		-1	500	236419
12/22/24 3:00		-1	500	236419
12/22/24 3:30		-1	500	236419
12/22/24 4:00		-1	500	236419
12/22/24 4:30		-1	500	236419
12/22/24 5:00		-1	500	236419
12/22/24 5:30		-1	500	236419
12/22/24 6:00		-1	500	236419
12/22/24 6:30		-1	500	236419
12/22/24 7:00		-1	500	236419
12/22/24 7:30		-1	500	236419
12/22/24 8:00		-1	500	236419
12/22/24 8:30		-1	500	236419
12/22/24 9:00		-1	500	236419
12/22/24 9:30		-1	500	236419
12/22/24 10:00		-1	501	236419
12/22/24 10:30		-1	501	236419
12/22/24 11:00		-1	501	236419
12/22/24 11:30		-1	501	236419
12/22/24 12:00		-1	501	236419
12/22/24 12:30		-1	501	236419
12/22/24 13:00		-1	501	236419
12/22/24 13:30		-1	500	236419
12/22/24 14:00		-1	500	236419

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
12/22/24 14:30		-1	500	236419
12/22/24 15:00		-1	501	236419
12/22/24 15:30		-1	501	236419
12/22/24 16:00		-1	500	236419
12/22/24 16:30		-1	500	236419
12/22/24 17:00		-1	500	236419
12/22/24 17:30		-1	500	236419
12/22/24 18:00		-1	500	236419
12/22/24 18:30		-1	500	236419
12/22/24 19:00		-1	500	236419
12/22/24 19:30		-1	500	236419
12/22/24 20:00		-1	500	236419
12/22/24 20:30		-1	500	236419
12/22/24 21:00		-1	500	236419
12/22/24 21:30		-1	500	236419
12/22/24 22:00		-1	500	236419
12/22/24 22:30		-1	500	236419
12/22/24 23:00		-1	500	236419
12/22/24 23:30		-1	500	236419
12/23/24 0:00		-1	500	236419
12/23/24 0:30		-1	500	236419
12/23/24 1:00		-1	500	236419
12/23/24 1:30		-1	500	236419
12/23/24 2:00		-1	500	236419
12/23/24 2:30		-1	500	236419
12/23/24 3:00		-1	500	236419
12/23/24 3:30		-1	500	236419
12/23/24 4:00		-1	500	236419
12/23/24 4:30		-1	500	236419
12/23/24 5:00		-1	500	236419
12/23/24 5:30		-1	500	236419
12/23/24 6:00		-1	500	236419
12/23/24 6:30		-1	500	236419
12/23/24 7:00		-1	500	236419
12/23/24 7:30		-1	500	236419
12/23/24 8:00		-1	500	236419
12/23/24 8:30		-1	500	236419
12/23/24 9:00		-1	500	236419
12/23/24 9:30		-1	500	236419
12/23/24 10:00		-1	500	236419
12/23/24 10:30		-1	500	236419
12/23/24 11:00		-1	501	236419
12/23/24 11:30		-1	501	236419
12/23/24 12:00		-1	500	236419
12/23/24 12:30		-1	500	236419
12/23/24 13:00		-1	500	236419
12/23/24 13:30		-1	500	236419
12/23/24 14:00		-1	500	236419
12/23/24 14:30		-1	500	236419
12/23/24 15:00		-1	500	236419
12/23/24 15:30		-1	500	236419
12/23/24 16:00		-1	500	236419
12/23/24 16:30		-1	500	236419
12/23/24 17:00		-1	500	236419
12/23/24 17:30		-1	500	236419
12/23/24 18:00		-1	500	236419
12/23/24 18:30		-1	499	236419
12/23/24 19:00		-1	499	236419
12/23/24 19:30		-1	499	236419
12/23/24 20:00		-1	500	236419
12/23/24 20:30		-1	500	236419
12/23/24 21:00		-1	500	236419

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
12/23/24 21:30		-1	500	236419
12/23/24 22:00		-1	500	236419
12/23/24 22:30		-1	500	236419
12/23/24 23:00		-1	500	236419
12/23/24 23:30		-1	500	236419
12/24/24 0:00		-1	499	236419
12/24/24 0:30		-1	499	236419
12/24/24 1:00		-1	499	236419
12/24/24 1:30		-1	499	236419
12/24/24 2:00		-1	499	236419
12/24/24 2:30		-1	499	236419
12/24/24 3:00		-1	499	236419
12/24/24 3:30		-1	499	236419
12/24/24 4:00		-1	499	236419
12/24/24 4:30		-1	499	236419
12/24/24 5:00		-1	499	236419
12/24/24 5:30		-1	499	236419
12/24/24 6:00		-1	499	236419
12/24/24 6:30		-1	499	236419
12/24/24 7:00		-1	499	236419
12/24/24 7:30		-1	499	236419
12/24/24 8:00		-1	499	236419
12/24/24 8:30		-1	499	236419
12/24/24 9:00		-1	499	236419
12/24/24 9:30		-1	499	236419
12/24/24 10:00		-1	500	236419
12/24/24 10:30		-1	500	236419
12/24/24 11:00		-1	500	236419
12/24/24 11:30		-1	500	236419
12/24/24 12:00		-1	500	236419
12/24/24 12:30		-1	500	236419
12/24/24 13:00		-1	500	236419
12/24/24 13:30		-1	500	236419
12/24/24 14:00		-1	500	236419
12/24/24 14:30		-1	500	236419
12/24/24 15:00		-1	500	236419
12/24/24 15:30		-1	499	236419
12/24/24 16:00		-1	499	236419
12/24/24 16:30		-1	499	236419
12/24/24 17:00		-1	499	236419
12/24/24 17:30		-1	499	236419
12/24/24 18:00		-1	499	236419
12/24/24 18:30		-1	499	236419
12/24/24 19:00		-1	499	236419
12/24/24 19:30		-1	499	236419
12/24/24 20:00		-1	499	236419
12/24/24 20:30		-1	499	236419
12/24/24 21:00		-1	499	236419
12/24/24 21:30		-1	499	236419
12/24/24 22:00		-1	499	236419
12/24/24 22:30		-1	499	236419
12/24/24 23:00		-1	499	236419
12/24/24 23:30		-1	499	236419
12/25/24 0:00		-1	499	236419
12/25/24 0:30		-1	499	236419
12/25/24 1:00		-1	499	236419
12/25/24 1:30		-1	499	236419
12/25/24 2:00		-1	499	236419
12/25/24 2:30		-1	499	236419
12/25/24 3:00		-1	499	236419
12/25/24 3:30		-1	499	236419
12/25/24 4:00		-1	499	236419

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
12/25/24 4:30		-1	499	236419
12/25/24 5:00		-1	499	236419
12/25/24 5:30		-1	499	236419
12/25/24 6:00		-1	499	236419
12/25/24 6:30		-1	499	236419
12/25/24 7:00		-1	499	236419
12/25/24 7:30		-1	499	236419
12/25/24 8:00		-1	499	236419
12/25/24 8:30		-1	499	236419
12/25/24 9:00		-1	499	236419
12/25/24 9:30		-1	499	236419
12/25/24 10:00		-1	499	236419
12/25/24 10:30		-1	499	236419
12/25/24 11:00		-1	499	236419
12/25/24 11:30		-1	499	236419
12/25/24 12:00		-1	499	236419
12/25/24 12:30		-1	499	236419
12/25/24 13:00		-1	499	236419
12/25/24 13:30		-1	499	236419
12/25/24 14:00		-1	500	236419
12/25/24 14:30		-1	499	236419
12/25/24 15:00		-1	499	236419
12/25/24 15:30		-1	499	236419
12/25/24 16:00		-1	499	236419
12/25/24 16:30		-1	498	236419
12/25/24 17:00		-1	499	236419
12/25/24 17:30		-1	499	236419
12/25/24 18:00		-1	499	236419
12/25/24 18:30		-1	499	236419
12/25/24 19:00		-1	499	236419
12/25/24 19:30		-1	499	236419
12/25/24 20:00		-1	499	236419
12/25/24 20:30		-1	499	236419
12/25/24 21:00		-1	499	236419
12/25/24 21:30		-1	499	236419
12/25/24 22:00		-1	499	236419
12/25/24 22:30		-1	499	236419
12/25/24 23:00		-1	499	236419
12/25/24 23:30		-1	499	236419
12/26/24 0:00		-1	499	236419
12/26/24 0:30		-1	499	236419
12/26/24 1:00		-1	498	236419
12/26/24 1:30		-1	498	236419
12/26/24 2:00		-1	499	236419
12/26/24 2:30		-1	499	236419
12/26/24 3:00		-1	499	236419
12/26/24 3:30		-1	499	236419
12/26/24 4:00		-1	498	236419
12/26/24 4:30		-1	499	236419
12/26/24 5:00		-1	499	236419
12/26/24 5:30		-1	499	236419
12/26/24 6:00		-1	499	236419
12/26/24 6:30		-1	499	236419
12/26/24 7:00		-1	499	236419
12/26/24 7:30		-1	499	236419
12/26/24 8:00		-1	498	236419
12/26/24 8:30		-1	498	236419
12/26/24 9:00		-1	498	236419
12/26/24 9:30		-1	498	236419
12/26/24 10:00		-1	499	236419
12/26/24 10:30		-1	499	236419
12/26/24 11:00		-1	499	236419

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
12/26/24 11:30		-1	499	236419
12/26/24 12:00		-1	499	236419
12/26/24 12:30		-1	499	236419
12/26/24 13:00		-1	499	236419
12/26/24 13:30		-1	499	236419
12/26/24 14:00		-1	499	236419
12/26/24 14:30		-1	499	236419
12/26/24 15:00		-1	498	236419
12/26/24 15:30		-1	498	236419
12/26/24 16:00		-1	498	236419
12/26/24 16:30		-1	498	236419
12/26/24 17:00		-1	499	236419
12/26/24 17:30		-1	499	236419
12/26/24 18:00		-1	499	236419
12/26/24 18:30		-1	498	236419
12/26/24 19:00		-1	498	236419
12/26/24 19:30		-1	498	236419
12/26/24 20:00		-1	498	236419
12/26/24 20:30		-1	498	236419
12/26/24 21:00		-1	498	236419
12/26/24 21:30		-1	498	236419
12/26/24 22:00		-1	498	236419
12/26/24 22:30		-1	498	236419
12/26/24 23:00		-1	498	236419
12/26/24 23:30		-1	498	236419
12/27/24 0:00		-1	498	236419
12/27/24 0:30		-1	498	236419
12/27/24 1:00		-1	498	236419
12/27/24 1:30		-1	498	236419
12/27/24 2:00		-1	498	236419
12/27/24 2:30		-1	498	236419
12/27/24 3:00		-1	498	236419
12/27/24 3:30		-1	498	236419
12/27/24 4:00		-1	498	236419
12/27/24 4:30		-1	498	236419
12/27/24 5:00		-1	498	236419
12/27/24 5:30		-1	498	236419
12/27/24 6:00		-1	498	236419
12/27/24 6:30		-1	498	236419
12/27/24 7:00		-1	498	236419
12/27/24 7:30		-1	498	236419
12/27/24 8:00		-1	498	236419
12/27/24 8:30		-1	498	236419
12/27/24 9:00		-1	498	236419
12/27/24 9:30		-1	498	236419
12/27/24 10:00		-1	498	236419
12/27/24 10:30		-1	498	236419
12/27/24 11:00		-1	498	236419
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12/27/24 14:00		-1	498	236419
12/27/24 14:30		-1	498	236419
12/27/24 15:00		-1	498	236419
12/27/24 15:30		-1	498	236419
12/27/24 16:00		-1	498	236419
12/27/24 16:30		-1	498	236419
12/27/24 17:00		-1	498	236419
12/27/24 17:30		-1	498	236419
12/27/24 18:00		-1	498	236419

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
12/27/24 18:30		-1	498	236419
12/27/24 19:00		-1	498	236419
12/27/24 19:30		-1	498	236419
12/27/24 20:00		-1	498	236419
12/27/24 20:30		-1	498	236419
12/27/24 21:00		-1	498	236419
12/27/24 21:30		-1	498	236419
12/27/24 22:00		-1	498	236419
12/27/24 22:30		-1	498	236419
12/27/24 23:00		-1	498	236419
12/27/24 23:30		-1	498	236419
12/28/24 0:00		-1	498	236419
12/28/24 0:30		-1	498	236419
12/28/24 1:00		-1	498	236419
12/28/24 1:30		-1	498	236419
12/28/24 2:00		-1	498	236419
12/28/24 2:30		-1	498	236419
12/28/24 3:00		-1	498	236419
12/28/24 3:30		-1	498	236419
12/28/24 4:00		-1	498	236419
12/28/24 4:30		-1	498	236419
12/28/24 5:00		-1	498	236419
12/28/24 5:30		-1	498	236419
12/28/24 6:00		-1	498	236419
12/28/24 6:30		-1	498	236419
12/28/24 7:00		-1	498	236419
12/28/24 7:30		-1	498	236419
12/28/24 8:00		-1	498	236419
12/28/24 8:30		-1	498	236419
12/28/24 9:00		-1	498	236419
12/28/24 9:30		-1	498	236419
12/28/24 10:00		-1	498	236419
12/28/24 10:30		-1	498	236419
12/28/24 11:00		-1	498	236419
12/28/24 11:30		-1	498	236419
12/28/24 12:00		-1	498	236419
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12/28/24 14:00		-1	498	236419
12/28/24 14:30		-1	498	236419
12/28/24 15:00		-1	498	236419
12/28/24 15:30		-1	497	236419
12/28/24 16:00		-1	497	236419
12/28/24 16:30		-1	498	236419
12/28/24 17:00		-1	497	236419
12/28/24 17:30		-1	497	236419
12/28/24 18:00		-1	498	236419
12/28/24 18:30		-1	497	236419
12/28/24 19:00		-1	497	236419
12/28/24 19:30		-1	497	236419
12/28/24 20:00		-1	497	236419
12/28/24 20:30		-1	497	236419
12/28/24 21:00		-1	497	236419
12/28/24 21:30		-1	497	236419
12/28/24 22:00		-1	497	236419
12/28/24 22:30		-1	497	236419
12/28/24 23:00		-1	497	236419
12/28/24 23:30		-1	497	236419
12/29/24 0:00		-1	497	236419
12/29/24 0:30		-1	497	236419
12/29/24 1:00		-1	497	236419

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
12/29/24 1:30		-1	497	236419
12/29/24 2:00		-1	497	236419
12/29/24 2:30		-1	497	236419
12/29/24 3:00		-1	497	236419
12/29/24 3:30		-1	497	236419
12/29/24 4:00		-1	497	236419
12/29/24 4:30		-1	497	236419
12/29/24 5:00		-1	497	236419
12/29/24 5:30		-1	497	236419
12/29/24 6:00		-1	497	236419
12/29/24 6:30		-1	497	236419
12/29/24 7:00		-1	497	236419
12/29/24 7:30		-1	497	236419
12/29/24 8:00		-1	497	236419
12/29/24 8:30		-1	497	236419
12/29/24 9:00		-1	497	236419
12/29/24 9:30		-1	497	236419
12/29/24 10:00		-1	498	236419
12/29/24 10:30		-1	498	236419
12/29/24 11:00		-1	498	236419
12/29/24 11:30		-1	498	236419
12/29/24 12:00		-1	498	236419
12/29/24 12:30		-1	498	236419
12/29/24 13:00		-1	498	236419
12/29/24 13:30		-1	498	236419
12/29/24 14:00		-1	498	236419
12/29/24 14:30		-1	498	236419
12/29/24 15:00		-1	498	236419
12/29/24 15:30		-1	497	236419
12/29/24 16:00		-1	497	236419
12/29/24 16:30		-1	497	236419
12/29/24 17:00		-1	497	236419
12/29/24 17:30		-1	497	236419
12/29/24 18:00		-1	497	236419
12/29/24 18:30		-1	497	236419
12/29/24 19:00		-1	497	236419
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12/29/24 21:00		-1	497	236419
12/29/24 21:30		-1	497	236419
12/29/24 22:00		-1	497	236419
12/29/24 22:30		-1	497	236419
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12/29/24 23:30		-1	497	236419
12/30/24 0:00		-1	497	236419
12/30/24 0:30		-1	497	236419
12/30/24 1:00		-1	497	236419
12/30/24 1:30		-1	497	236419
12/30/24 2:00		-1	497	236419
12/30/24 2:30		-1	497	236419
12/30/24 3:00		-1	497	236419
12/30/24 3:30		-1	497	236419
12/30/24 4:00		-1	497	236419
12/30/24 4:30		-1	497	236419
12/30/24 5:00		-1	497	236419
12/30/24 5:30		-1	497	236419
12/30/24 6:00		-1	497	236419
12/30/24 6:30		-1	497	236419
12/30/24 7:00		-1	497	236419
12/30/24 7:30		-1	497	236419
12/30/24 8:00		-1	497	236419



Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
12/30/24 8:30		-1	497	236419
12/30/24 9:00		-1	497	236419
12/30/24 9:30		-1	497	236419
12/30/24 10:00		-1	498	236419
12/30/24 10:30		-1	498	236419
12/30/24 11:00		-1	497	236419
12/30/24 11:30		-1	497	236419
12/30/24 12:00		-1	498	236419
12/30/24 12:30		-1	497	236419
12/30/24 13:00		-1	497	236419
12/30/24 13:30		-1	497	236419
12/30/24 14:00		-1	497	236419
12/30/24 14:30		-1	497	236419
12/30/24 15:00		-1	497	236419
12/30/24 15:30		-1	497	236419
12/30/24 16:00		-1	497	236419
12/30/24 16:30		-1	497	236419
12/30/24 17:00		-1	497	236419
12/30/24 17:30		-1	497	236419
12/30/24 18:00		-1	497	236419
12/30/24 18:30		-1	497	236419
12/30/24 19:00		-1	497	236419
12/30/24 19:30		-1	497	236419
12/30/24 20:00		-1	497	236419
12/30/24 20:30		-1	497	236419
12/30/24 21:00		-1	497	236419
12/30/24 21:30		-1	497	236419
12/30/24 22:00		-1	497	236419
12/30/24 22:30		-1	497	236419
12/30/24 23:00		-1	497	236419
12/30/24 23:30		-1	497	236419
12/31/24 0:00		-1	496	236419
12/31/24 0:30		-1	496	236419
12/31/24 1:00		-1	496	236419
12/31/24 1:30		-1	496	236419
12/31/24 2:00		-1	496	236419
12/31/24 2:30		-1	496	236419
12/31/24 3:00		-1	496	236419
12/31/24 3:30		-1	496	236419
12/31/24 4:00		-1	496	236419
12/31/24 4:30		-1	496	236419
12/31/24 5:00		-1	496	236419
12/31/24 5:30		-1	496	236419
12/31/24 6:00		-1	496	236419
12/31/24 6:30		-1	496	236419
12/31/24 7:00		-1	496	236419
12/31/24 7:30		-1	497	236419
12/31/24 8:00		-1	497	236419
12/31/24 8:30		-1	497	236419
12/31/24 9:00		-1	497	236419
12/31/24 9:30		-1	497	236419
12/31/24 10:00		-1	497	236419
12/31/24 10:30		-1	497	236419
12/31/24 11:00		-1	497	236419
12/31/24 11:30		-1	497	236419
12/31/24 12:00		-1	497	236419
12/31/24 12:30		-1	497	236419
12/31/24 13:00		-1	497	236419
12/31/24 13:30		-1	497	236419
12/31/24 14:00		-1	497	236419
12/31/24 14:30		-1	497	236419

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
12/31/24 15:00		-1	497	236419
12/31/24 15:30		-1	496	236419
12/31/24 16:00		-1	496	236419
12/31/24 16:30		-1	496	236419
12/31/24 17:00		-1	496	236419
12/31/24 17:30		-1	496	236419
12/31/24 18:00		-1	496	236419
12/31/24 18:30		-1	496	236419
12/31/24 19:00		-1	496	236419
12/31/24 19:30		-1	496	236419
12/31/24 20:00		-1	496	236419
12/31/24 20:30		-1	496	236419
12/31/24 21:00		-1	496	236419
12/31/24 21:30		-1	496	236419
12/31/24 22:00		-1	496	236419
12/31/24 22:30		-1	496	236419
12/31/24 23:00		-1	496	236419
12/31/24 23:30		-1	496	236419

## **ATTACHMENT B**

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### Quarterly Chemical Analysis Reports

- WDW-2 Waste
- Area Monitoring Wells



*Eurofins Environment Testing South  
Central, LLC  
4901 Hawkins NE  
Albuquerque, NM 87109  
TEL: 505-345-3975 FAX: 505-345-4107  
Website: [www.hallenvironmental.com](http://www.hallenvironmental.com)*

February 29, 2024

Gary Russell  
Western Refining Southwest, Inc.  
#50 CR 4990  
Bloomfield, NM 87413  
TEL: (505) 632-4135  
FAX:

RE: Injection Well January 2024

OrderNo.: 2401951

Dear Gary Russell:

Eurofins Environment Testing South Central, LLC received 1 sample(s) on 1/24/2024 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to [www.hallenvironmental.com](http://www.hallenvironmental.com) or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please do not hesitate to contact Eurofins Albuquerque for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman".

Andy Freeman  
Laboratory Manager  
4901 Hawkins NE  
Albuquerque, NM 87109

**Analytical Report**

Lab Order **2401951**

Date Reported: **2/29/2024**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** Western Refining Southwest, Inc.

**Client Sample ID:** Injection Well

**Project:** Injection Well January 2024

**Collection Date:** 1/23/2024 8:30:00 AM

**Lab ID:** 2401951-001

**Matrix:** AQUEOUS

**Received Date:** 1/24/2024 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 8270C TCLP</b>							Analyst: <b>mb</b>
2-Methylphenol	ND	200		mg/L	1	2/1/2024 8:35:26 PM	80122
3+4-Methylphenol	ND	200		mg/L	1	2/1/2024 8:35:26 PM	80122
2,4-Dinitrotoluene	ND	0.13		mg/L	1	2/1/2024 8:35:26 PM	80122
Hexachlorobenzene	ND	0.13		mg/L	1	2/1/2024 8:35:26 PM	80122
Hexachlorobutadiene	ND	0.50		mg/L	1	2/1/2024 8:35:26 PM	80122
Hexachloroethane	ND	3.0		mg/L	1	2/1/2024 8:35:26 PM	80122
Nitrobenzene	ND	2.0		mg/L	1	2/1/2024 8:35:26 PM	80122
Pentachlorophenol	ND	100		mg/L	1	2/1/2024 8:35:26 PM	80122
Pyridine	ND	5.0		mg/L	1	2/1/2024 8:35:26 PM	80122
2,4,5-Trichlorophenol	ND	400		mg/L	1	2/1/2024 8:35:26 PM	80122
2,4,6-Trichlorophenol	ND	2.0		mg/L	1	2/1/2024 8:35:26 PM	80122
Cresols, Total	ND	200		mg/L	1	2/1/2024 8:35:26 PM	80122
Surr: 2-Fluorophenol	4.59	15-98.6	S	%Rec	1	2/1/2024 8:35:26 PM	80122
Surr: Phenol-d5	17.3	15-66.3		%Rec	1	2/1/2024 8:35:26 PM	80122
Surr: 2,4,6-Tribromophenol	3.86	15-117	S	%Rec	1	2/1/2024 8:35:26 PM	80122
Surr: Nitrobenzene-d5	63.0	32.6-96.1		%Rec	1	2/1/2024 8:35:26 PM	80122
Surr: 2-Fluorobiphenyl	49.3	22.3-85.9		%Rec	1	2/1/2024 8:35:26 PM	80122
Surr: 4-Terphenyl-d14	82.9	44-124		%Rec	1	2/1/2024 8:35:26 PM	80122
<b>SPECIFIC GRAVITY</b>							Analyst: <b>RBC</b>
Specific Gravity	0.9972	0			1	1/29/2024 2:48:00 PM	R102732
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>RBC</b>
Fluoride	ND	0.50		mg/L	5	1/24/2024 6:29:25 PM	R102664
Chloride	670	25	*	mg/L	50	1/25/2024 5:02:59 PM	R102698
Nitrogen, Nitrite (As N)	ND	0.50		mg/L	5	1/24/2024 6:29:25 PM	R102664
Bromide	2.0	0.50		mg/L	5	1/24/2024 6:29:25 PM	R102664
Nitrogen, Nitrate (As N)	ND	0.50		mg/L	5	1/24/2024 6:29:25 PM	R102664
Phosphorus, Orthophosphate (As P)	ND	2.5		mg/L	5	1/24/2024 6:29:25 PM	R102664
Sulfate	110	2.5		mg/L	5	1/24/2024 6:29:25 PM	R102664
<b>SM2510B: SPECIFIC CONDUCTANCE</b>							Analyst: <b>MCA</b>
Conductivity	3000	10		µmhos/c	1	1/30/2024 11:22:57 AM	R102779
<b>SM2320B: ALKALINITY</b>							Analyst: <b>MCA</b>
Bicarbonate (As CaCO3)	393.2	20.00		mg/L Ca	1	1/25/2024 5:00:51 PM	R102693
Carbonate (As CaCO3)	ND	2.000		mg/L Ca	1	1/25/2024 5:00:51 PM	R102693
Total Alkalinity (as CaCO3)	393.2	20.00		mg/L Ca	1	1/25/2024 5:00:51 PM	R102693
<b>SM2540C MOD: TOTAL DISSOLVED SOLIDS</b>							Analyst: <b>RBC</b>
Total Dissolved Solids	1610	250	*D	mg/L	1	1/31/2024 8:26:00 AM	80124

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

**Analytical Report**

Lab Order **2401951**

Date Reported: **2/29/2024**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** Western Refining Southwest, Inc.

**Client Sample ID:** Injection Well

**Project:** Injection Well January 2024

**Collection Date:** 1/23/2024 8:30:00 AM

**Lab ID:** 2401951-001

**Matrix:** AQUEOUS

**Received Date:** 1/24/2024 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>SM4500-H+B / 9040C: PH</b>							Analyst: <b>MCA</b>
pH	8.02		H	pH units	1	1/25/2024 5:00:51 PM	R102693
<b>EPA METHOD 6020A: TOTAL RECOVERABLE METALS</b>							Analyst: <b>ELS</b>
Arsenic	0.0026	0.0010		mg/L	1	2/2/2024 2:07:52 PM	80091
Lead	ND	0.0010		mg/L	1	2/2/2024 2:07:52 PM	80091
Selenium	0.0019	0.0010		mg/L	1	2/2/2024 11:07:42 AM	80091
<b>EPA METHOD 7470A: MERCURY</b>							Analyst: <b>tem</b>
Mercury	ND	0.00020		mg/L	1	1/26/2024 5:08:01 PM	80111
<b>EPA METHOD 6010B: DISSOLVED METALS</b>							Analyst: <b>VP</b>
Calcium	35	1.0		mg/L	1	1/26/2024 2:41:14 PM	A102708
Magnesium	33	1.0		mg/L	1	1/26/2024 2:41:14 PM	A102708
Potassium	19	1.0		mg/L	1	1/26/2024 2:41:14 PM	A102708
Sodium	490	10		mg/L	10	1/26/2024 2:51:13 PM	A102708
<b>EPA 6010B: TOTAL METALS</b>							Analyst: <b>VP</b>
Barium	0.10	0.0020		mg/L	1	1/26/2024 2:14:48 PM	80091
Cadmium	ND	0.0020		mg/L	1	1/26/2024 2:14:48 PM	80091
Chromium	0.024	0.0060		mg/L	1	1/26/2024 2:14:48 PM	80091
Silver	ND	0.0050		mg/L	1	1/26/2024 3:30:38 PM	80091
<b>EPA METHOD 8081: PESTICIDES</b>							Analyst: <b>mb</b>
Chlordane	ND	2.0		µg/L	1	2/5/2024 8:21:05 AM	80163
Surr: Decachlorobiphenyl	77.7	52.6-122		%Rec	1	2/5/2024 8:21:05 AM	80163
Surr: Tetrachloro-m-xylene	74.6	17.3-102		%Rec	1	2/5/2024 8:21:05 AM	80163
<b>TCLP VOLATILES BY 8260B</b>							Analyst: <b>CCM</b>
Benzene	ND	0.50		mg/L	200	2/5/2024 9:13:00 PM	T102870
Toluene	ND	0.50		mg/L	200	2/5/2024 9:13:00 PM	T102870
Ethylbenzene	ND	0.50		mg/L	200	2/5/2024 9:13:00 PM	T102870
Xylenes, Total	ND	0.50		mg/L	200	2/5/2024 9:13:00 PM	T102870
1,2-Dichloroethane (EDC)	ND	0.50		mg/L	200	2/5/2024 9:13:00 PM	T102870
2-Butanone	ND	200		mg/L	200	2/5/2024 9:13:00 PM	T102870
Carbon Tetrachloride	ND	0.50		mg/L	200	2/5/2024 9:13:00 PM	T102870
Chloroform	ND	6.0		mg/L	200	2/5/2024 9:13:00 PM	T102870
1,4-Dichlorobenzene	ND	7.5		mg/L	200	2/5/2024 9:13:00 PM	T102870
1,1-Dichloroethene	ND	0.70		mg/L	200	2/5/2024 9:13:00 PM	T102870
Tetrachloroethene (PCE)	ND	0.70		mg/L	200	2/5/2024 9:13:00 PM	T102870
Trichloroethene (TCE)	ND	0.50		mg/L	200	2/5/2024 9:13:00 PM	T102870
Vinyl chloride	ND	0.20		mg/L	200	2/5/2024 9:13:00 PM	T102870
Chlorobenzene	ND	100		mg/L	200	2/5/2024 9:13:00 PM	T102870

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

**Analytical Report**

Lab Order **2401951**

Date Reported: **2/29/2024**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** Western Refining Southwest, Inc.

**Client Sample ID:** Injection Well

**Project:** Injection Well January 2024

**Collection Date:** 1/23/2024 8:30:00 AM

**Lab ID:** 2401951-001

**Matrix:** AQUEOUS

**Received Date:** 1/24/2024 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>TCLP VOLATILES BY 8260B</b>							Analyst: <b>CCM</b>
Surr: 1,2-Dichloroethane-d4	102	70-130	%Rec	200	2/5/2024	9:13:00 PM	T102870
Surr: 4-Bromofluorobenzene	101	70-130	%Rec	200	2/5/2024	9:13:00 PM	T102870
Surr: Dibromofluoromethane	100	70-130	%Rec	200	2/5/2024	9:13:00 PM	T102870
Surr: Toluene-d8	97.4	70-130	%Rec	200	2/5/2024	9:13:00 PM	T102870

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		



Environment Testing

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# ANALYTICAL REPORT

## PREPARED FOR

Attn: Andy Freeman  
 EET South Central Hall Environmental Analysis Laboratory  
 4901 Hawkins NE  
 Suite D  
 Albuquerque, New Mexico 87109

Generated 2/11/2024 8:49:13 PM

## JOB DESCRIPTION

Hall Environmental - 2401951 1-23-24

## JOB NUMBER

860-66367-1

Eurofins Houston  
 4145 Greenbriar Dr  
 Stafford TX 77477



# Eurofins Houston

## Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

## Authorization



Generated  
2/11/2024 8:49:13 PM

Authorized for release by  
Dean Joiner, Project Manager II  
[Dean.Joiner@et.eurofinsus.com](mailto:Dean.Joiner@et.eurofinsus.com)  
(346)320-6096

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Client: EET South Central Hall Environmental Analysis Laboratory  
Project/Site: Hall Environmental - 2401951 1-23-24

Laboratory Job ID: 860-66367-1

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## Definitions/Glossary

Client: EET South Central Hall Environmental Analysis Laboratory  
 Project/Site: Hall Environmental - 2401951 1-23-24

Job ID: 860-66367-1

### Qualifiers

#### General Chemistry

Qualifier	Qualifier Description
HF	Parameter with a holding time of 15 minutes. Test performed by laboratory at client's request. Sample was analyzed outside of hold time.

### Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count



### Case Narrative

Client: EET South Central Hall Environmental Analysis Laboratory  
Project: Hall Environmental - 2401951 1-23-24

Job ID: 860-66367-1

**Job ID: 860-66367-1**

**Eurofins Houston**

#### Job Narrative 860-66367-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

#### Receipt

The sample was received on 1/25/2024 10:37 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.4°C

#### General Chemistry

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.



### Detection Summary

Client: EET South Central Hall Environmental Analysis Laboratory  
Project/Site: Hall Environmental - 2401951 1-23-24

Job ID: 860-66367-1

**Client Sample ID: 2401951-001F Injection Well**

**Lab Sample ID: 860-66367-1**

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Flashpoint	134		1.00		Degrees F	1		1010	Total/NA
pH	7.5	HF			SU	1		9040C	Total/NA

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This Detection Summary does not include radiochemical test results.

Eurofins Houston

Page 10 of 36  
2/11/2024

### Client Sample Results

Client: EET South Central Hall Environmental Analysis Laboratory  
 Project/Site: Hall Environmental - 2401951 1-23-24

Job ID: 860-66367-1

**Client Sample ID: 2401951-001F Injection Well**

**Lab Sample ID: 860-66367-1**

Date Collected: 01/23/24 08:30

Matrix: Water

Date Received: 01/25/24 10:37

**General Chemistry**

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9040C)	7.5	HF			SU			02/01/24 17:17	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Reactive (SW846 9012)	ND		0.025		mg/L		01/31/24 11:23	02/01/24 09:22	1
Sulfide, Reactive (SW846 9034)	ND		6.3		mg/L		01/31/24 11:23	01/31/24 13:29	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint (SW846 1010)	134		1.00		Degrees F			02/11/24 15:57	1

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### QC Sample Results

Client: EET South Central Hall Environmental Analysis Laboratory  
 Project/Site: Hall Environmental - 2401951 1-23-24

Job ID: 860-66367-1

#### Method: 9012 - Cyanide, Reactive

Lab Sample ID: MB 860-143047/1-A  
 Matrix: Water  
 Analysis Batch: 143255

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 143047

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Reactive	ND		0.025		mg/L		01/31/24 11:23	02/01/24 09:12	1

Lab Sample ID: LCS 860-143047/2-A  
 Matrix: Water  
 Analysis Batch: 143255

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 143047

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Reactive	20.0	2.25		mg/L		11	5 - 40

Lab Sample ID: LCSD 860-143047/3-A  
 Matrix: Water  
 Analysis Batch: 143255

Client Sample ID: Lab Control Sample Dup  
 Prep Type: Total/NA  
 Prep Batch: 143047

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cyanide, Reactive	20.0	2.27		mg/L		11	5 - 40	1	20

#### Method: 9034 - Sulfide, Reactive

Lab Sample ID: MB 860-143043/1-A  
 Matrix: Water  
 Analysis Batch: 143076

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 143043

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide, Reactive	ND		6.2		mg/L		01/31/24 11:23	01/31/24 13:29	1

Lab Sample ID: LCS 860-143043/2-A  
 Matrix: Water  
 Analysis Batch: 143076

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 143043

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfide, Reactive	50.0	36.1		mg/L		72	30 - 120

Lab Sample ID: LCSD 860-143043/3-A  
 Matrix: Water  
 Analysis Batch: 143076

Client Sample ID: Lab Control Sample Dup  
 Prep Type: Total/NA  
 Prep Batch: 143043

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfide, Reactive	50.0	36.1		mg/L		72	30 - 120	0	20

### QC Association Summary

Client: EET South Central Hall Environmental Analysis Laboratory  
 Project/Site: Hall Environmental - 2401951 1-23-24

Job ID: 860-66367-1

#### General Chemistry

##### Prep Batch: 143043

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
860-66367-1	2401951-001F Injection Well	Total/NA	Water	7.3.4	
MB 860-143043/1-A	Method Blank	Total/NA	Water	7.3.4	
LCS 860-143043/2-A	Lab Control Sample	Total/NA	Water	7.3.4	
LCSD 860-143043/3-A	Lab Control Sample Dup	Total/NA	Water	7.3.4	

##### Prep Batch: 143047

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
860-66367-1	2401951-001F Injection Well	Total/NA	Water	7.3.3	
MB 860-143047/1-A	Method Blank	Total/NA	Water	7.3.3	
LCS 860-143047/2-A	Lab Control Sample	Total/NA	Water	7.3.3	
LCSD 860-143047/3-A	Lab Control Sample Dup	Total/NA	Water	7.3.3	

##### Analysis Batch: 143076

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
860-66367-1	2401951-001F Injection Well	Total/NA	Water	9034	143043
MB 860-143043/1-A	Method Blank	Total/NA	Water	9034	143043
LCS 860-143043/2-A	Lab Control Sample	Total/NA	Water	9034	143043
LCSD 860-143043/3-A	Lab Control Sample Dup	Total/NA	Water	9034	143043

##### Analysis Batch: 143255

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
860-66367-1	2401951-001F Injection Well	Total/NA	Water	9012	143047
MB 860-143047/1-A	Method Blank	Total/NA	Water	9012	143047
LCS 860-143047/2-A	Lab Control Sample	Total/NA	Water	9012	143047
LCSD 860-143047/3-A	Lab Control Sample Dup	Total/NA	Water	9012	143047

##### Analysis Batch: 143356

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
860-66367-1	2401951-001F Injection Well	Total/NA	Water	9040C	

##### Analysis Batch: 144808

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
860-66367-1	2401951-001F Injection Well	Total/NA	Water	1010	
LCS 860-144808/1	Lab Control Sample	Total/NA	Water	1010	



### Lab Chronicle

Client: EET South Central Hall Environmental Analysis Laboratory  
 Project/Site: Hall Environmental - 2401951 1-23-24

Job ID: 860-66367-1

**Client Sample ID: 2401951-001F Injection Well**

**Lab Sample ID: 860-66367-1**

Date Collected: 01/23/24 08:30

Matrix: Water

Date Received: 01/25/24 10:37

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	1010		1			144808	02/11/24 15:57	SA	EET HOU
Total/NA	Prep	7.3.3			10 g	50 mL	143047	01/31/24 11:23	SA	EET HOU
Total/NA	Analysis	9012		1	10 mL	10 mL	143255	02/01/24 09:22	AA	EET HOU
Total/NA	Prep	7.3.4			10 g	50 mL	143043	01/31/24 11:23	SA	EET HOU
Total/NA	Analysis	9034		1	40 mL	50 mL	143076	01/31/24 13:29	SCI	EET HOU
Total/NA	Analysis	9040C		1			143356	02/01/24 17:17	ALL	EET HOU

**Laboratory References:**

EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

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### Accreditation/Certification Summary

Client: EET South Central Hall Environmental Analysis Laboratory  
Project/Site: Hall Environmental - 2401951 1-23-24

Job ID: 860-66367-1

#### Laboratory: Eurofins Houston

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Arkansas DEQ	State	88-00759	08-03-24
Florida	NELAP	E871002	06-30-24
Louisiana (All)	NELAP	03054	06-30-24
Oklahoma	NELAP	1306	08-31-24
Oklahoma	State	2023-139	08-31-24
Texas	NELAP	T104704215	06-30-24
Texas	TCEQ Water Supply	T104704215	12-28-25
USDA	US Federal Programs	525-23-79-79507	03-20-26

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### Method Summary

Client: EET South Central Hall Environmental Analysis Laboratory  
Project/Site: Hall Environmental - 2401951 1-23-24

Job ID: 860-66367-1

Method	Method Description	Protocol	Laboratory
1010	Ignitability, Pensky-Martens Closed-Cup Method	SW846	EET HOU
9012	Cyanide, Reactive	SW846	EET HOU
9034	Sulfide, Reactive	SW846	EET HOU
9040C	pH	SW846	EET HOU
7.3.3	Cyanide, Reactive	SW846	EET HOU
7.3.4	Sulfide, Reactive	SW846	EET HOU

**Protocol References:**

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

**Laboratory References:**

EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

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### Sample Summary

Client: EET South Central Hall Environmental Analysis Laboratory  
Project/Site: Hall Environmental - 2401951 1-23-24

Job ID: 860-66367-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
860-66367-1	2401951-001F Injection Well	Water	01/23/24 08:30	01/25/24 10:37

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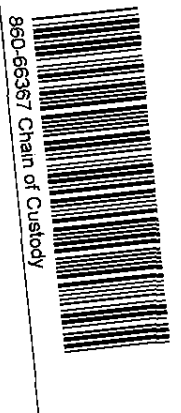


**CHAIN OF CUSTODY RECORD**

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Eurofins Environment Testing South Central, LLC  
 4901 Hawkins NE  
 Albuquerque, NM 87109  
 TEL. 505-345-3975  
 FAX. 505-345-4107  
 Website www.hallenvironmental.com

SUB CONTRACTOR: Eurofins Houston	COMPANY: Eurofins TestAmerica Houston	PHONE: (218) 240-4200	FAX: (713) 690-5646
ADDRESS: 4147 Greenbriar Dr	CITY STATE ZIP: Stafford, TX 77477	ACCOUNT #:	EMAIL:
ITEM: SAMPLE	CLIENT SAMPLE ID	BOTTLE TYPE: 500H-DPE	MATRIX: Aqueous
1	2401951-001F	Injection Well	1/23/2024 8:30:00 AM
<b>ANALYTICAL COMMENTS</b>			
3 RCI, ORP Please apply ICO prices.			



Temp: 14 IR ID: HOU-369  
 C/F -0.0  
 Corrected Temp 14

**SPECIAL INSTRUCTIONS/COMMENTS:**

Include the LAB ID and CLIENT SAMPLE ID on final reports. Email results to Hall.Lab@et.eurofins.com. For Questions email Hall.SampleControl@et.eurofins.com. Please return all coolers and blue ice. Thank you.

Relinquished By: <u>Felder</u>	Date: 1/24/2024	Time: 12:20 PM	Received By: <u>Felder</u>	Date:	Time:
Relinquished By: <u>Felder</u>	Date:	Time:	Received By: <u>Messner</u>	Date: 1/25	Time: 10:39
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
TAT: <input type="checkbox"/> Standard <input type="checkbox"/> RUSH	Next BD <input type="checkbox"/>	2nd BD <input type="checkbox"/>	3rd BD <input type="checkbox"/>	REPORT TRANSMITTAL DESIRED. <input type="checkbox"/> HARD COPY (extra cost) <input type="checkbox"/> FAX <input type="checkbox"/> EMAIL <input type="checkbox"/> ONLINE FOR LAB USE ONLY Temp of samples _____ C Attempt to Cool? _____ Comments: _____	

### Login Sample Receipt Checklist

Client: EET South Central Hall Environmental Analysis Laboratory

Job Number: 860-66367-1

Login Number: 66367

List Source: Eurofins Houston

List Number: 1

Creator: Jimenez, Nicanor

Question	Answer	Comment
Radioactivity wasn't checked or is <=/ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2401951

29-Feb-24

**Client:** Western Refining Southwest, Inc.

**Project:** Injection Well January 2024

Sample ID: <b>MB</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 300.0: Anions</b>							
Client ID: <b>PBW</b>	Batch ID: <b>R102664</b>		RunNo: <b>102664</b>							
Prep Date:	Analysis Date: <b>1/24/2024</b>		SeqNo: <b>3792696</b>		Units: <b>mg/L</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	ND	0.10								
Nitrogen, Nitrite (As N)	ND	0.10								
Bromide	ND	0.10								
Nitrogen, Nitrate (As N)	ND	0.10								
Phosphorus, Orthophosphate (As P)	ND	0.50								
Sulfate	ND	0.50								

Sample ID: <b>LCS</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 300.0: Anions</b>							
Client ID: <b>LCSW</b>	Batch ID: <b>R102664</b>		RunNo: <b>102664</b>							
Prep Date:	Analysis Date: <b>1/24/2024</b>		SeqNo: <b>3792697</b>		Units: <b>mg/L</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	0.51	0.10	0.5000	0	102	90	110			
Nitrogen, Nitrite (As N)	1.0	0.10	1.000	0	100	90	110			
Bromide	2.5	0.10	2.500	0	99.4	90	110			
Nitrogen, Nitrate (As N)	2.6	0.10	2.500	0	102	90	110			
Phosphorus, Orthophosphate (As P)	4.8	0.50	5.000	0	95.0	90	110			
Sulfate	9.9	0.50	10.00	0	98.8	90	110			

Sample ID: <b>MB</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 300.0: Anions</b>							
Client ID: <b>PBW</b>	Batch ID: <b>R102698</b>		RunNo: <b>102698</b>							
Prep Date:	Analysis Date: <b>1/25/2024</b>		SeqNo: <b>3794823</b>		Units: <b>mg/L</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	0.50								

Sample ID: <b>LCS</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 300.0: Anions</b>							
Client ID: <b>LCSW</b>	Batch ID: <b>R102698</b>		RunNo: <b>102698</b>							
Prep Date:	Analysis Date: <b>1/25/2024</b>		SeqNo: <b>3794825</b>		Units: <b>mg/L</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	4.8	0.50	5.000	0	96.3	90	110			

**Qualifiers:**

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2401951

29-Feb-24

**Client:** Western Refining Southwest, Inc.

**Project:** Injection Well January 2024

Sample ID: <b>MB-80163</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8081: PESTICIDES</b>							
Client ID: <b>PBW</b>	Batch ID: <b>80163</b>		RunNo: <b>102904</b>							
Prep Date: <b>1/30/2024</b>	Analysis Date: <b>2/5/2024</b>		SeqNo: <b>3802479</b>		Units: <b>µg/L</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chlordane	ND	2.0								
Surr: Decachlorobiphenyl	2.1		2.500		82.5	52.6	122			
Surr: Tetrachloro-m-xylene	1.5		2.500		59.3	17.3	102			

Sample ID: <b>LCS-80163</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8081: PESTICIDES</b>							
Client ID: <b>LCSW</b>	Batch ID: <b>80163</b>		RunNo: <b>102904</b>							
Prep Date: <b>1/30/2024</b>	Analysis Date: <b>2/5/2024</b>		SeqNo: <b>3802480</b>		Units: <b>%Rec</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: Decachlorobiphenyl	1.8		2.500		70.3	52.6	122			
Surr: Tetrachloro-m-xylene	1.3		2.500		52.2	17.3	102			

Sample ID: <b>LCSD-80163</b>	SampType: <b>LCSD</b>		TestCode: <b>EPA Method 8081: PESTICIDES</b>							
Client ID: <b>LCSS02</b>	Batch ID: <b>80163</b>		RunNo: <b>102904</b>							
Prep Date: <b>1/30/2024</b>	Analysis Date: <b>2/5/2024</b>		SeqNo: <b>3802481</b>		Units: <b>%Rec</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: Decachlorobiphenyl	1.8		2.500		71.9	52.6	122	0	20	
Surr: Tetrachloro-m-xylene	1.6		2.500		62.4	17.3	102	0	20	

Sample ID: <b>MB-80163</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8081: PESTICIDES</b>							
Client ID: <b>PBW</b>	Batch ID: <b>80163</b>		RunNo: <b>102904</b>							
Prep Date: <b>1/30/2024</b>	Analysis Date: <b>2/5/2024</b>		SeqNo: <b>3802483</b>		Units: <b>µg/L</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chlordane	ND	2.0								
Surr: Decachlorobiphenyl	2.2		2.500		89.5	52.6	122			
Surr: Tetrachloro-m-xylene	1.5		2.500		60.5	17.3	102			

Sample ID: <b>LCS-80163</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8081: PESTICIDES</b>							
Client ID: <b>LCSW</b>	Batch ID: <b>80163</b>		RunNo: <b>102904</b>							
Prep Date: <b>1/30/2024</b>	Analysis Date: <b>2/5/2024</b>		SeqNo: <b>3802484</b>		Units: <b>%Rec</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: Decachlorobiphenyl	1.9		2.500		76.0	52.6	122			
Surr: Tetrachloro-m-xylene	1.3		2.500		53.1	17.3	102			

**Qualifiers:**

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit



# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2401951

29-Feb-24

**Client:** Western Refining Southwest, Inc.

**Project:** Injection Well January 2024

Sample ID: <b>LCSD-80163</b>	SampType: <b>LCSD</b>	TestCode: <b>EPA Method 8081: PESTICIDES</b>								
Client ID: <b>LCSS02</b>	Batch ID: <b>80163</b>	RunNo: <b>102904</b>								
Prep Date: <b>1/30/2024</b>	Analysis Date: <b>2/5/2024</b>	SeqNo: <b>3802485</b>	Units: <b>%Rec</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: Decachlorobiphenyl	1.9		2.500		77.8	52.6	122	0	20	
Surr: Tetrachloro-m-xylene	1.7		2.500		67.3	17.3	102	0	20	

**Qualifiers:**

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- P Sample pH Not In Range
- RL Reporting Limit

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2401951

29-Feb-24

**Client:** Western Refining Southwest, Inc.

**Project:** Injection Well January 2024

Sample ID: <b>100ng lcs</b>	SampType: <b>LCS</b>		TestCode: <b>TCLP Volatiles by 8260B</b>							
Client ID: <b>LCSW</b>	Batch ID: <b>T102870</b>		RunNo: <b>102870</b>							
Prep Date:	Analysis Date: <b>2/5/2024</b>		SeqNo: <b>3802027</b>		Units: <b>mg/L</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.018	0.010	0.02000	0	92.1	70	130			
1,1-Dichloroethene	0.017	0.010	0.02000	0	84.6	70	130			
Trichloroethene (TCE)	0.018	0.010	0.02000	0	88.7	70	130			
Chlorobenzene	0.020	0.010	0.02000	0	98.0	70	130			
Surr: 1,2-Dichloroethane-d4	0.011		0.01000		109	70	130			
Surr: 4-Bromofluorobenzene	0.010		0.01000		103	70	130			
Surr: Dibromofluoromethane	0.010		0.01000		104	70	130			
Surr: Toluene-d8	0.0098		0.01000		97.9	70	130			

Sample ID: <b>MB</b>	SampType: <b>MBLK</b>		TestCode: <b>TCLP Volatiles by 8260B</b>							
Client ID: <b>PBW</b>	Batch ID: <b>T102870</b>		RunNo: <b>102870</b>							
Prep Date:	Analysis Date: <b>2/5/2024</b>		SeqNo: <b>3802028</b>		Units: <b>mg/L</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.50								
1,2-Dichloroethane (EDC)	ND	0.50								
2-Butanone	ND	200								
Carbon Tetrachloride	ND	0.50								
Chloroform	ND	6.0								
1,4-Dichlorobenzene	ND	7.5								
1,1-Dichloroethene	ND	0.70								
Tetrachloroethene (PCE)	ND	0.70								
Trichloroethene (TCE)	ND	0.50								
Vinyl chloride	ND	0.20								
Chlorobenzene	ND	100								
Surr: 1,2-Dichloroethane-d4	0.012		0.01000		116	70	130			
Surr: 4-Bromofluorobenzene	0.010		0.01000		104	70	130			
Surr: Dibromofluoromethane	0.011		0.01000		105	70	130			
Surr: Toluene-d8	0.0097		0.01000		96.8	70	130			

**Qualifiers:**

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- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2401951

29-Feb-24

**Client:** Western Refining Southwest, Inc.

**Project:** Injection Well January 2024

Sample ID: <b>LCS-80122</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8270C TCLP</b>							
Client ID: <b>LCSW</b>	Batch ID: <b>80122</b>		RunNo: <b>102859</b>							
Prep Date: <b>1/29/2024</b>	Analysis Date: <b>2/1/2024</b>		SeqNo: <b>3801995</b>					Units: <b>mg/L</b>		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
2-Methylphenol	0.057	0.00010	0.1000	0	56.6	29.5	95.6			
3+4-Methylphenol	0.12	0.00010	0.2000	0	57.8	28.1	101			
2,4-Dinitrotoluene	0.048	0.00010	0.1000	0	47.5	21.8	78.8			
Hexachlorobenzene	0.064	0.00010	0.1000	0	64.0	30.6	96.7			
Hexachlorobutadiene	0.034	0.00010	0.1000	0	33.6	15	67.6			
Hexachloroethane	0.041	0.00010	0.1000	0	40.5	15	76.9			
Nitrobenzene	0.051	0.00010	0.1000	0	51.5	30.2	91.1			
Pentachlorophenol	0.046	0.00010	0.1000	0	45.5	15.4	96.8			
Pyridine	0.038	0.00010	0.1000	0	38.3	15	72.3			
2,4,5-Trichlorophenol	0.050	0.00010	0.1000	0	49.9	24.6	103			
2,4,6-Trichlorophenol	0.052	0.00010	0.1000	0	51.8	22	102			
Cresols, Total	0.17	0.00010	0.3000	0	57.4	24.6	102			
Surr: 2-Fluorophenol	0.096		0.2000		48.0	15	98.6			
Surr: Phenol-d5	0.073		0.2000		36.4	15	66.3			
Surr: 2,4,6-Tribromophenol	0.11		0.2000		56.6	15	117			
Surr: Nitrobenzene-d5	0.055		0.1000		55.5	32.6	96.1			
Surr: 2-Fluorobiphenyl	0.048		0.1000		47.7	22.3	85.9			
Surr: 4-Terphenyl-d14	0.079		0.1000		79.4	44	124			

Sample ID: <b>MB-80122</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8270C TCLP</b>							
Client ID: <b>PBW</b>	Batch ID: <b>80122</b>		RunNo: <b>102859</b>							
Prep Date: <b>1/29/2024</b>	Analysis Date: <b>2/1/2024</b>		SeqNo: <b>3802016</b>					Units: <b>mg/L</b>		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
2-Methylphenol	ND	200								
3+4-Methylphenol	ND	200								
2,4-Dinitrotoluene	ND	0.13								
Hexachlorobenzene	ND	0.13								
Hexachlorobutadiene	ND	0.50								
Hexachloroethane	ND	3.0								
Nitrobenzene	ND	2.0								
Pentachlorophenol	ND	100								
Pyridine	ND	5.0								
2,4,5-Trichlorophenol	ND	400								
2,4,6-Trichlorophenol	ND	2.0								
Cresols, Total	ND	200								
Surr: 2-Fluorophenol	0.12		0.2000		59.8	15	98.6			
Surr: Phenol-d5	0.091		0.2000		45.7	15	66.3			
Surr: 2,4,6-Tribromophenol	0.12		0.2000		60.6	15	117			

**Qualifiers:**

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- B Analyte detected in the associated Method Blank
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- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2401951

29-Feb-24

**Client:** Western Refining Southwest, Inc.

**Project:** Injection Well January 2024

Sample ID: <b>MB-80122</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8270C TCLP</b>								
Client ID: <b>PBW</b>	Batch ID: <b>80122</b>	RunNo: <b>102859</b>								
Prep Date: <b>1/29/2024</b>	Analysis Date: <b>2/1/2024</b>	SeqNo: <b>3802016</b>	Units: <b>mg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: Nitrobenzene-d5	0.066		0.1000		66.4	32.6	96.1			
Surr: 2-Fluorobiphenyl	0.056		0.1000		56.4	22.3	85.9			
Surr: 4-Terphenyl-d14	0.089		0.1000		89.3	44	124			

**Qualifiers:**

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- PQL Practical Quantitative Limit
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- B Analyte detected in the associated Method Blank
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- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2401951

29-Feb-24

**Client:** Western Refining Southwest, Inc.

**Project:** Injection Well January 2024

Sample ID: <b>2401951-001CDUP</b>	SampType: <b>dup</b>	TestCode: <b>SM2510B: Specific Conductance</b>								
Client ID: <b>Injection Well</b>	Batch ID: <b>R102779</b>	RunNo: <b>102779</b>								
Prep Date:	Analysis Date: <b>1/30/2024</b>	SeqNo: <b>3797590</b>			Units: <b>µmhos/cm</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Conductivity	3000	10						1.06	20	

**Qualifiers:**

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- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2401951

29-Feb-24

**Client:** Western Refining Southwest, Inc.

**Project:** Injection Well January 2024

Sample ID: <b>MB-80111</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 7470A: Mercury</b>								
Client ID: <b>PBW</b>	Batch ID: <b>80111</b>	RunNo: <b>102710</b>								
Prep Date: <b>1/26/2024</b>	Analysis Date: <b>1/26/2024</b>	SeqNo: <b>3795158</b>	Units: <b>mg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	ND	0.00020								

Sample ID: <b>LCSLL-80111</b>	SampType: <b>LCSLL</b>	TestCode: <b>EPA Method 7470A: Mercury</b>								
Client ID: <b>BatchQC</b>	Batch ID: <b>80111</b>	RunNo: <b>102710</b>								
Prep Date: <b>1/26/2024</b>	Analysis Date: <b>1/26/2024</b>	SeqNo: <b>3795159</b>	Units: <b>mg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	ND	0.00020	0.0001500	0	91.9	50	150			

Sample ID: <b>LCS-80111</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 7470A: Mercury</b>								
Client ID: <b>LCSW</b>	Batch ID: <b>80111</b>	RunNo: <b>102710</b>								
Prep Date: <b>1/26/2024</b>	Analysis Date: <b>1/26/2024</b>	SeqNo: <b>3795160</b>	Units: <b>mg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.0050	0.00020	0.005000	0	101	85	115			

Sample ID: <b>2401951-001EMS</b>	SampType: <b>MS</b>	TestCode: <b>EPA Method 7470A: Mercury</b>								
Client ID: <b>Injection Well</b>	Batch ID: <b>80111</b>	RunNo: <b>102710</b>								
Prep Date: <b>1/26/2024</b>	Analysis Date: <b>1/26/2024</b>	SeqNo: <b>3795167</b>	Units: <b>mg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.0039	0.00020	0.005000	0	78.7	75	125			

Sample ID: <b>2401951-001EMSD</b>	SampType: <b>MSD</b>	TestCode: <b>EPA Method 7470A: Mercury</b>								
Client ID: <b>Injection Well</b>	Batch ID: <b>80111</b>	RunNo: <b>102710</b>								
Prep Date: <b>1/26/2024</b>	Analysis Date: <b>1/26/2024</b>	SeqNo: <b>3795168</b>	Units: <b>mg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.0041	0.00020	0.005000	0	81.3	75	125	3.22	20	

**Qualifiers:**

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- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2401951

29-Feb-24

**Client:** Western Refining Southwest, Inc.

**Project:** Injection Well January 2024

Sample ID: <b>MB-A</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 6010B: Dissolved Metals</b>								
Client ID: <b>PBW</b>	Batch ID: <b>A102708</b>	RunNo: <b>102708</b>								
Prep Date:	Analysis Date: <b>1/26/2024</b>	SeqNo: <b>3795079</b>			Units: <b>mg/L</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Calcium	ND	1.0								
Magnesium	ND	1.0								
Potassium	ND	1.0								
Sodium	ND	1.0								

Sample ID: <b>LCS_CAT-A</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 6010B: Dissolved Metals</b>								
Client ID: <b>LCSW</b>	Batch ID: <b>A102708</b>	RunNo: <b>102708</b>								
Prep Date:	Analysis Date: <b>1/26/2024</b>	SeqNo: <b>3795082</b>			Units: <b>mg/L</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Calcium	49	1.0	50.00	0	98.1	80	120			
Magnesium	49	1.0	50.00	0	98.8	80	120			
Potassium	48	1.0	50.00	0	96.7	80	120			
Sodium	49	1.0	50.00	0	98.2	80	120			

Sample ID: <b>2401951-001DMS</b>	SampType: <b>MS</b>	TestCode: <b>EPA Method 6010B: Dissolved Metals</b>								
Client ID: <b>Injection Well</b>	Batch ID: <b>A102708</b>	RunNo: <b>102708</b>								
Prep Date:	Analysis Date: <b>1/26/2024</b>	SeqNo: <b>3795095</b>			Units: <b>mg/L</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Calcium	84	1.0	50.00	35.21	98.4	75	125			
Magnesium	82	1.0	50.00	32.60	98.6	75	125			
Potassium	68	1.0	50.00	18.88	98.3	75	125			

Sample ID: <b>2401951-001DMSD</b>	SampType: <b>MSD</b>	TestCode: <b>EPA Method 6010B: Dissolved Metals</b>								
Client ID: <b>Injection Well</b>	Batch ID: <b>A102708</b>	RunNo: <b>102708</b>								
Prep Date:	Analysis Date: <b>1/26/2024</b>	SeqNo: <b>3795096</b>			Units: <b>mg/L</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Calcium	85	1.0	50.00	35.21	99.7	75	125	0.771	20	
Magnesium	82	1.0	50.00	32.60	99.7	75	125	0.687	20	
Potassium	68	1.0	50.00	18.88	99.2	75	125	0.656	20	

**Qualifiers:**

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- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2401951

29-Feb-24

**Client:** Western Refining Southwest, Inc.

**Project:** Injection Well January 2024

Sample ID: <b>MB-80091</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA 6010B: Total Metals</b>								
Client ID: <b>PBW</b>	Batch ID: <b>80091</b>	RunNo: <b>102708</b>								
Prep Date: <b>1/25/2024</b>	Analysis Date: <b>1/26/2024</b>	SeqNo: <b>3795083</b>	Units: <b>mg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Barium	ND	0.0020								
Cadmium	ND	0.0020								
Chromium	ND	0.0060								

Sample ID: <b>LCS-80091</b>	SampType: <b>LCS</b>	TestCode: <b>EPA 6010B: Total Metals</b>								
Client ID: <b>LCSW</b>	Batch ID: <b>80091</b>	RunNo: <b>102708</b>								
Prep Date: <b>1/25/2024</b>	Analysis Date: <b>1/26/2024</b>	SeqNo: <b>3795085</b>	Units: <b>mg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Barium	0.49	0.0020	0.5000	0	98.4	80	120			
Cadmium	0.48	0.0020	0.5000	0	95.3	80	120			
Chromium	0.47	0.0060	0.5000	0	94.5	80	120			

Sample ID: <b>2401951-001EMS</b>	SampType: <b>MS</b>	TestCode: <b>EPA 6010B: Total Metals</b>								
Client ID: <b>Injection Well</b>	Batch ID: <b>80091</b>	RunNo: <b>102708</b>								
Prep Date: <b>1/25/2024</b>	Analysis Date: <b>1/26/2024</b>	SeqNo: <b>3795087</b>	Units: <b>mg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Barium	0.55	0.0020	0.5000	0.1032	89.9	75	125			
Cadmium	0.45	0.0020	0.5000	0	90.0	75	125			
Chromium	0.45	0.0060	0.5000	0.02371	85.8	75	125			

Sample ID: <b>2401951-001EMSD</b>	SampType: <b>MSD</b>	TestCode: <b>EPA 6010B: Total Metals</b>								
Client ID: <b>Injection Well</b>	Batch ID: <b>80091</b>	RunNo: <b>102708</b>								
Prep Date: <b>1/25/2024</b>	Analysis Date: <b>1/26/2024</b>	SeqNo: <b>3795088</b>	Units: <b>mg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Barium	0.54	0.0020	0.5000	0.1032	87.9	75	125	1.84	20	
Cadmium	0.45	0.0020	0.5000	0	89.0	75	125	1.13	20	
Chromium	0.44	0.0060	0.5000	0.02371	84.2	75	125	1.84	20	

Sample ID: <b>MB-80091</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA 6010B: Total Metals</b>								
Client ID: <b>PBW</b>	Batch ID: <b>80091</b>	RunNo: <b>102708</b>								
Prep Date: <b>1/25/2024</b>	Analysis Date: <b>1/26/2024</b>	SeqNo: <b>3795106</b>	Units: <b>mg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Silver	ND	0.0050								
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**Qualifiers:**

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit



# QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2401951

29-Feb-24

**Client:** Western Refining Southwest, Inc.

**Project:** Injection Well January 2024

Sample ID: <b>LCS-80091</b>	SampType: <b>LCS</b>		TestCode: <b>EPA 6010B: Total Metals</b>							
Client ID: <b>LCSW</b>	Batch ID: <b>80091</b>		RunNo: <b>102708</b>							
Prep Date: <b>1/25/2024</b>	Analysis Date: <b>1/26/2024</b>		SeqNo: <b>3795108</b>		Units: <b>mg/L</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Silver	0.10	0.0050	0.1000	0	99.6	80	120			

Sample ID: <b>2401951-001EMS</b>	SampType: <b>MS</b>		TestCode: <b>EPA 6010B: Total Metals</b>							
Client ID: <b>Injection Well</b>	Batch ID: <b>80091</b>		RunNo: <b>102708</b>							
Prep Date: <b>1/25/2024</b>	Analysis Date: <b>1/26/2024</b>		SeqNo: <b>3795110</b>		Units: <b>mg/L</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Silver	0.10	0.0050	0.1000	0	104	75	125			

Sample ID: <b>2401951-001EMSD</b>	SampType: <b>MSD</b>		TestCode: <b>EPA 6010B: Total Metals</b>							
Client ID: <b>Injection Well</b>	Batch ID: <b>80091</b>		RunNo: <b>102708</b>							
Prep Date: <b>1/25/2024</b>	Analysis Date: <b>1/26/2024</b>		SeqNo: <b>3795111</b>		Units: <b>mg/L</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Silver	0.10	0.0050	0.1000	0	101	75	125	2.23	20	

**Qualifiers:**

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- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2401951

29-Feb-24

**Client:** Western Refining Southwest, Inc.

**Project:** Injection Well January 2024

Sample ID: <b>2401982-001CDUP</b>	SampType: <b>dup</b>	TestCode: <b>SM4500-H+B / 9040C: pH</b>								
Client ID: <b>BatchQC</b>	Batch ID: <b>R102693</b>	RunNo: <b>102693</b>								
Prep Date:	Analysis Date: <b>1/25/2024</b>	SeqNo: <b>3794460</b>			Units: <b>pH units</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
pH	7.90									

**Qualifiers:**

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- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2401951

29-Feb-24

**Client:** Western Refining Southwest, Inc.

**Project:** Injection Well January 2024

Sample ID: <b>MB-1 Alk</b>	SampType: <b>mblk</b>		TestCode: <b>SM2320B: Alkalinity</b>							
Client ID: <b>PBW</b>	Batch ID: <b>R102693</b>		RunNo: <b>102693</b>							
Prep Date:	Analysis Date: <b>1/25/2024</b>		SeqNo: <b>3794496</b>		Units: <b>mg/L CaCO3</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Alkalinity (as CaCO3)	ND	20.00								

Sample ID: <b>LCS-1 Alk</b>	SampType: <b>lcs</b>		TestCode: <b>SM2320B: Alkalinity</b>							
Client ID: <b>LCSW</b>	Batch ID: <b>R102693</b>		RunNo: <b>102693</b>							
Prep Date:	Analysis Date: <b>1/25/2024</b>		SeqNo: <b>3794497</b>		Units: <b>mg/L CaCO3</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Alkalinity (as CaCO3)	76.40	20.00	80.00	0	95.5	90	110			

Sample ID: <b>MB-2 alk</b>	SampType: <b>mblk</b>		TestCode: <b>SM2320B: Alkalinity</b>							
Client ID: <b>PBW</b>	Batch ID: <b>R102693</b>		RunNo: <b>102693</b>							
Prep Date:	Analysis Date: <b>1/25/2024</b>		SeqNo: <b>3794533</b>		Units: <b>mg/L CaCO3</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Alkalinity (as CaCO3)	ND	20.00								

Sample ID: <b>LCS-2 alk</b>	SampType: <b>lcs</b>		TestCode: <b>SM2320B: Alkalinity</b>							
Client ID: <b>LCSW</b>	Batch ID: <b>R102693</b>		RunNo: <b>102693</b>							
Prep Date:	Analysis Date: <b>1/25/2024</b>		SeqNo: <b>3794535</b>		Units: <b>mg/L CaCO3</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Alkalinity (as CaCO3)	77.32	20.00	80.00	0	96.7	90	110			

Sample ID: <b>2401982-001CDUP</b>	SampType: <b>dup</b>		TestCode: <b>SM2320B: Alkalinity</b>							
Client ID: <b>BatchQC</b>	Batch ID: <b>R102693</b>		RunNo: <b>102693</b>							
Prep Date:	Analysis Date: <b>1/25/2024</b>		SeqNo: <b>3794541</b>		Units: <b>mg/L CaCO3</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Alkalinity (as CaCO3)	130.9	20.00						3.75	20	

**Qualifiers:**

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- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2401951

29-Feb-24

**Client:** Western Refining Southwest, Inc.

**Project:** Injection Well January 2024

Sample ID: <b>2401951-001CDUP</b>	SampType: <b>DUP</b>	TestCode: <b>Specific Gravity</b>								
Client ID: <b>Injection Well</b>	Batch ID: <b>R102732</b>	RunNo: <b>102732</b>								
Prep Date:	Analysis Date: <b>1/29/2024</b>	SeqNo: <b>3796015</b> Units:								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Specific Gravity	0.9989	0						0.175	20	

**Qualifiers:**

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- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2401951

29-Feb-24

**Client:** Western Refining Southwest, Inc.

**Project:** Injection Well January 2024

Sample ID: <b>MB-80124</b>	SampType: <b>MBLK</b>	TestCode: <b>SM2540C MOD: Total Dissolved Solids</b>								
Client ID: <b>PBW</b>	Batch ID: <b>80124</b>	RunNo: <b>102772</b>								
Prep Date: <b>1/29/2024</b>	Analysis Date: <b>1/31/2024</b>	SeqNo: <b>3797252</b>	Units: <b>mg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	ND	50.0								

Sample ID: <b>LCS-80124</b>	SampType: <b>LCS</b>	TestCode: <b>SM2540C MOD: Total Dissolved Solids</b>								
Client ID: <b>LCSW</b>	Batch ID: <b>80124</b>	RunNo: <b>102772</b>								
Prep Date: <b>1/29/2024</b>	Analysis Date: <b>1/31/2024</b>	SeqNo: <b>3797253</b>	Units: <b>mg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	1010	50.0	1000	0	101	80	120			

**Qualifiers:**

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- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit



# Sample Log-In Check List

Client Name: **Western Refining** Work Order Number: **2401951** RcptNo: **1**

Received By: **Tracy Casarrubias** 1/24/2024 7:15:00 AM

Completed By: **Tracy Casarrubias** 1/24/2024 9:35:44 AM

Reviewed By: *[Signature]* 1/24/24

### Chain of Custody

1. Is Chain of Custody complete? Yes  No  Not Present
2. How was the sample delivered? Courier

### Log In

3. Was an attempt made to cool the samples? Yes  No  NA
4. Were all samples received at a temperature of >0° C to 6.0°C Yes  No  NA
5. Sample(s) in proper container(s)? Yes  No
6. Sufficient sample volume for indicated test(s)? Yes  No
7. Are samples (except VOA and ONG) properly preserved? Yes  No
8. Was preservative added to bottles? Yes  No  *u 1/24/24* NA
9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes  No  NA
10. Were any sample containers received broken? Yes  No
11. Does paperwork match bottle labels? Yes  No   
(Note discrepancies on chain of custody)
12. Are matrices correctly identified on Chain of Custody? Yes  No
13. Is it clear what analyses were requested? Yes  No
14. Were all holding times able to be met? Yes  No   
(If no, notify customer for authorization.)

# of preserved bottles checked for pH: 2:2  
(2 or 12 unless noted)  
Adjusted? NO  
Checked by: *u 1/24/24*

### Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes  No  NA

Person Notified: \_\_\_\_\_ Date: \_\_\_\_\_  
 By Whom: \_\_\_\_\_ Via:  eMail  Phone  Fax  In Person  
 Regarding: \_\_\_\_\_  
 Client Instructions: \_\_\_\_\_

16. Additional remarks: *POURED off ~120ML FROM UNPRESERVED BOTTLE FOR -001D, Filter Lot# 18060480 X2.  
Added ~0.4 mL of HNO3 (7342) for -001D for pH < 2*

### 17. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	2.2	Good	Yes	Yogi		

*u 1/24/24*

# Chain-of-Custody Record

Client: **Western Refining**  
 Mailing Address: **50 CR 4990**  
**Bloomfield, NM 87413**  
 Phone #: **678-594-6377**  
 email or Fax: [gfrussell@marathonpetroleum.com](mailto:gfrussell@marathonpetroleum.com)

QA/QC Package:  
 Standard  Level 4 (Full Validation)  
 Accreditation:  Az Compliance  
 NELAC  Other  
 EDD (Type)

Turn-Around Time:  
 Standard  Rush  
 Project Name: **Injection Well January 2024**  
 Project #:  
 Project Manager: **Gary Russell**  
 Sampler:  
 On Ice:  Yes  No **40g**  
 # of Coolers: **1**  
 Cooler Temp (including CF): **2.3-0.1 = 2.2**

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.
1/23/24	8:30	H <sub>2</sub> O	Injection Well	500ml P	none	2401951
				1 - 125ml P	none	
				1 - 500ml P	1- unpres, 1- NaOH, 1- NaOH/ZnAc	
				3-500ml P		
				250ml P	HNO3	
				1L Amber G	none	
				3-40ml VOAs	HCL	
				1L Anmer	none	

Date: 1/23/24 12:44 Relinquished by: *[Signature]* Date: 1/23/24 12:44  
 Date: 1/23/24 17:43 Relinquished by: *[Signature]* Date: 1/24/24 7:15  
 Received by: *[Signature]* Date: 1/23/24 12:44  
 Received by: *[Signature]* Date: 1/24/24 7:15



**HALL ENVIRONMENTAL ANALYSIS LABORATORY**  
 www.hallenvironmental.com  
 4901 Hawkins NE - Albuquerque, NM 87109  
 Tel. 505-345-3975 Fax 505-345-4107

Analysis Request	
<input checked="" type="checkbox"/> pH, Specific gravity	
<input checked="" type="checkbox"/> C/A Balance Dissolved	
<input checked="" type="checkbox"/> RCRA 8 Metals	
<input checked="" type="checkbox"/> RCI and ORP	
<input checked="" type="checkbox"/> Chlordane only by 8081	
<input checked="" type="checkbox"/> 8260 TCLP list + TEX	
<input checked="" type="checkbox"/> 8270 TCLP List	

Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.



Environment Testing

- 1
- 2
- 3
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- 6
- 7
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# ANALYTICAL REPORT

## PREPARED FOR

Attn: Matt Krakow  
 Western Refining  
 50 County Road 4990  
 Bloomfield, New Mexico 87413  
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## JOB DESCRIPTION

Injection Well April 2024

## JOB NUMBER

885-3072-1

Eurofins Albuquerque  
 4901 Hawkins NE  
 Albuquerque NM 87109





# Eurofins Albuquerque

## Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

## Authorization



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Revision 1

Client: Western Refining  
Project/Site: Injection Well April 2024

Laboratory Job ID: 885-3072-1



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## Definitions/Glossary

Client: Western Refining  
Project/Site: Injection Well April 2024

Job ID: 885-3072-1

## Qualifiers

## GC/MS VOA

Qualifier	Qualifier Description
S1+	Surrogate recovery exceeds control limits, high biased.

## HPLC/IC

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

## Metals

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
^+	Continuing Calibration Verification (CCV) is outside acceptance limits, high biased.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

## General Chemistry

Qualifier	Qualifier Description
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
HF	Parameter with a holding time of 15 minutes. Test performed by laboratory at client's request. Sample was analyzed outside of hold time.

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

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## Case Narrative

Client: Western Refining  
Project: Injection Well April 2024

Job ID: 885-3072-1

**Job ID: 885-3072-1**

**Eurofins Albuquerque**

**Job Narrative  
885-3072-1**

### REVISION

The report being provided is a revision of the original report sent on 5/15/2024. The report (revision 1) is being revised due to Chloroform was not originally included in the TCLP 8260 list..

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

### **Receipt**

The sample was received on 4/18/2024 7:05 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.7°C.

### **Receipt Exceptions**

<EXPLANATION\_REQUIRED>

From original unpreserved volume, filtered ~120mL and added 0.4 mL HNO<sub>3</sub> for dissolved metals analysis; filtered ~200 mL for dissolved Wet Chem analyses.  
Injection Well (885-3072-1)

### **GC/MS VOA**

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

### **GC/MS Semi VOA**

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

### **Pesticides**

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

### **HPLC/IC**

Method 300\_OF\_28D\_PREC: Manual integration was performed on the following sample: Injection Well (885-3072-1).

Method 300\_OF\_48H\_PREC: Manual integration was performed on the following sample: Injection Well (885-3072-1).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

### **Metals**

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

### **General Chemistry**

Method 9040B: The following sample(s) was received with less than 2 days remaining on the holding time or less than one shift (8 hours) remaining on a test with a holding time of 48 hours or less. As such, the laboratory had insufficient time remaining to perform the analysis within holding time: Injection Well (885-3072-1).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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## Client Sample Results

Client: Western Refining  
Project/Site: Injection Well April 2024

Job ID: 885-3072-1

Client Sample ID: Injection Well

Lab Sample ID: 885-3072-1

Date Collected: 04/17/24 08:30

Matrix: Water

Date Received: 04/18/24 07:05

## Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.45		2.0	0.45	ug/L			04/26/24 14:39	2
Carbon tetrachloride	<0.35		2.0	0.35	ug/L			04/26/24 14:39	2
Chlorobenzene	<0.92		2.0	0.92	ug/L			04/26/24 14:39	2
1,4-Dichlorobenzene	<0.21		2.0	0.21	ug/L			04/26/24 14:39	2
1,2-Dichloroethane (EDC)	<0.60		2.0	0.60	ug/L			04/26/24 14:39	2
1,1-Dichloroethene	<0.40		2.0	0.40	ug/L			04/26/24 14:39	2
2-Butanone	<4.1		20	4.1	ug/L			04/26/24 14:39	2
Tetrachloroethene (PCE)	<0.36		2.0	0.36	ug/L			04/26/24 14:39	2
Trichloroethene (TCE)	<0.41		2.0	0.41	ug/L			04/26/24 14:39	2
Vinyl chloride	<0.64		2.0	0.64	ug/L			04/26/24 14:39	2
Chloroform	<0.50		2.0	0.50	ug/L			04/26/24 14:39	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	122		70 - 130		04/26/24 14:39	2
Toluene-d8 (Surr)	94		70 - 130		04/26/24 14:39	2
4-Bromofluorobenzene (Surr)	86		70 - 130		04/26/24 14:39	2
Dibromofluoromethane (Surr)	133	S1+	70 - 130		04/26/24 14:39	2

## Method: SW846 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	<23		50	23	ug/L		04/22/24 11:02	04/29/24 12:36	1
3 & 4 Methylphenol	<24		50	24	ug/L		04/22/24 11:02	04/29/24 12:36	1
2,4-Dinitrotoluene	<25		25	25	ug/L		04/22/24 11:02	04/29/24 12:36	1
Hexachlorobenzene	<23		100	23	ug/L		04/22/24 11:02	04/29/24 12:36	1
Hexachlorobutadiene	<57		100	57	ug/L		04/22/24 11:02	04/29/24 12:36	1
Hexachloroethane	<55		100	55	ug/L		04/22/24 11:02	04/29/24 12:36	1
Nitrobenzene	<18		25	18	ug/L		04/22/24 11:02	04/29/24 12:36	1
Pentachlorophenol	<76		100	76	ug/L		04/22/24 11:02	04/29/24 12:36	1
Pyridine	<13		100	13	ug/L		04/22/24 11:02	04/29/24 12:36	1
2,4,5-Trichlorophenol	<26		50	26	ug/L		04/22/24 11:02	04/29/24 12:36	1
2,4,6-Trichlorophenol	<22		50	22	ug/L		04/22/24 11:02	04/29/24 12:36	1
Cresols, Total	<24		50	24	ug/L		04/22/24 11:02	04/29/24 12:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Phenol-d5 (Surr)	28		15 - 130	04/22/24 11:02	04/29/24 12:36	1
2-Fluorophenol (Surr)	37		15 - 130	04/22/24 11:02	04/29/24 12:36	1
2,4,6-Tribromophenol (Surr)	45		15 - 130	04/22/24 11:02	04/29/24 12:36	1
Nitrobenzene-d5 (Surr)	50		29 - 130	04/22/24 11:02	04/29/24 12:36	1
2-Fluorobiphenyl (Surr)	46		20 - 130	04/22/24 11:02	04/29/24 12:36	1
p-Terphenyl-d14 (Surr)	64		41 - 130	04/22/24 11:02	04/29/24 12:36	1

## Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorodane	<2.5		5.0	2.5	ug/L		04/24/24 11:40	04/26/24 11:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	75		53 - 130	04/24/24 11:40	04/26/24 11:54	1
Tetrachloro-m-xylene	58		18 - 130	04/24/24 11:40	04/26/24 11:54	1

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### Client Sample Results

Client: Western Refining  
 Project/Site: Injection Well April 2024

Job ID: 885-3072-1

**Client Sample ID: Injection Well**

**Lab Sample ID: 885-3072-1**

Date Collected: 04/17/24 08:30

Matrix: Water

Date Received: 04/18/24 07:05

**Method: EPA 300.0 - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Bromide</b>	<b>1.5</b>		0.10	0.050	mg/L			04/18/24 21:12	1
Nitrate	<0.020		0.10	0.020	mg/L			04/18/24 21:12	1
Orthophosphate as P	<0.25		0.50	0.25	mg/L			04/18/24 21:12	1
<b>Chloride</b>	<b>580</b>		25	13	mg/L			04/25/24 05:05	50
Nitrite	<0.23		2.0	0.23	mg/L			04/18/24 21:25	20
<b>Fluoride</b>	<b>2.0</b>		2.0	0.92	mg/L			04/18/24 21:25	20
<b>Sulfate</b>	<b>77</b>		10	5.0	mg/L			04/18/24 21:25	20

**Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Dissolved**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Calcium</b>	<b>44</b>		1.0	0.065	mg/L			04/27/24 12:01	1
<b>Magnesium</b>	<b>30</b>		1.0	0.024	mg/L			04/27/24 12:01	1
<b>Potassium</b>	<b>16</b>		1.0	0.12	mg/L			04/27/24 12:01	1
<b>Sodium</b>	<b>460</b>		10	2.3	mg/L			04/27/24 12:22	10

**Method: SW846 6010B - Metals (ICP) - Total Recoverable**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Barium</b>	<b>0.12</b>		0.0020	0.00095	mg/L		04/23/24 07:13	04/24/24 11:22	1
Cadmium	<0.0012		0.0020	0.0012	mg/L		04/23/24 07:13	04/24/24 11:22	1
Chromium	<0.0012		0.0060	0.0012	mg/L		04/23/24 07:13	04/24/24 11:22	1
Silver	<0.0013		0.0050	0.0013	mg/L		04/23/24 07:13	04/24/24 11:22	1

**Method: SW846 6020A - Metals (ICP/MS) - Total Recoverable**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Arsenic</b>	<b>0.0019</b>		0.0010	0.00050	mg/L		04/29/24 06:12	05/06/24 16:25	1
Lead	<0.00060		0.0010	0.00060	mg/L		04/29/24 06:12	05/06/24 16:25	1
Selenium	<0.00080	^+	0.0010	0.00080	mg/L		04/29/24 06:12	05/06/24 16:25	1

**Method: SW846 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00012	^+ *-	0.00020	0.00012	mg/L		04/24/24 12:04	04/25/24 12:10	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Ignitability (SW846 1010)</b>	<b>&gt;212</b>		70.0	70.0	Degrees F			04/25/24 07:20	1
<b>Total Dissolved Solids (SM 2540C)</b>	<b>1400</b>		250	130	mg/L			04/19/24 13:54	1
Cyanide, Reactive (SW846 9014)	<0.50		0.50	0.50	mg/L		04/25/24 11:00	04/25/24 18:18	1
Sulfide, Reactive (SW846 9034)	<50		50	50	mg/L		04/24/24 12:00	04/24/24 13:08	1
<b>pH (SW846 9040B)</b>	<b>7.8</b>	H	0.1	0.1	SU			04/24/24 19:17	1
<b>Oxidation Reduction Potential (ASTM D1498-00)</b>	<b>81</b>	HF			mV			04/30/24 11:46	1
<b>Total Alkalinity as CaCO3 (SM 2320B)</b>	<b>380</b>		20	20	mg/L			04/24/24 15:06	1
<b>Bicarbonate Alkalinity as CaCO3 (SM 2320B)</b>	<b>380</b>		20	20	mg/L			04/24/24 15:06	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<2.0		2.0	2.0	mg/L			04/24/24 15:06	1
<b>Specific Conductance (SM 2510B)</b>	<b>2600</b>		10	10	umhos/cm			04/24/24 15:06	1
<b>Specific Gravity (SM 2710F)</b>	<b>1.0</b>				NONE			05/01/24 11:15	1
<b>pH (SM 4500 H+ B)</b>	<b>7.7</b>	HF	0.1	0.1	SU			04/24/24 15:06	1

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### QC Sample Results

Client: Western Refining  
 Project/Site: Injection Well April 2024

Job ID: 885-3072-1

#### Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 885-3938/25  
 Matrix: Water  
 Analysis Batch: 3938

Client Sample ID: Method Blank  
 Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.23		1.0	0.23	ug/L			04/25/24 10:05	1
Carbon tetrachloride	<0.18		1.0	0.18	ug/L			04/25/24 10:05	1
Chlorobenzene	<0.46		1.0	0.46	ug/L			04/25/24 10:05	1
1,4-Dichlorobenzene	<0.10		1.0	0.10	ug/L			04/25/24 10:05	1
1,2-Dichloroethane (EDC)	<0.30		1.0	0.30	ug/L			04/25/24 10:05	1
1,1-Dichloroethene	<0.20		1.0	0.20	ug/L			04/25/24 10:05	1
2-Butanone	<2.0		10	2.0	ug/L			04/25/24 10:05	1
Tetrachloroethene (PCE)	<0.18		1.0	0.18	ug/L			04/25/24 10:05	1
Trichloroethene (TCE)	<0.20		1.0	0.20	ug/L			04/25/24 10:05	1
Vinyl chloride	<0.32		1.0	0.32	ug/L			04/25/24 10:05	1
Chloroform	<0.25		1.0	0.25	ug/L			04/25/24 10:05	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	122		70 - 130		04/25/24 10:05	1
Toluene-d8 (Surr)	101		70 - 130		04/25/24 10:05	1
4-Bromofluorobenzene (Surr)	97		70 - 130		04/25/24 10:05	1
Dibromofluoromethane (Surr)	137	S1+	70 - 130		04/25/24 10:05	1

Lab Sample ID: LCS 885-3938/24  
 Matrix: Water  
 Analysis Batch: 3938

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	20.1	22.5		ug/L		112	70 - 130
Chlorobenzene	20.1	18.2		ug/L		91	70 - 130
1,1-Dichloroethene	20.1	21.0		ug/L		104	70 - 130
Trichloroethene (TCE)	20.2	20.9		ug/L		104	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	112		70 - 130
Toluene-d8 (Surr)	103		70 - 130
4-Bromofluorobenzene (Surr)	95		70 - 130
Dibromofluoromethane (Surr)	123		70 - 130

#### Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 885-3657/1-A  
 Matrix: Water  
 Analysis Batch: 4004

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 3657

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	<4.7		10	4.7	ug/L		04/22/24 11:02	04/27/24 08:58	1
3 & 4 Methylphenol	<4.9		10	4.9	ug/L		04/22/24 11:02	04/27/24 08:58	1
2,4-Dinitrotoluene	<5.0		5.0	5.0	ug/L		04/22/24 11:02	04/27/24 08:58	1
Hexachlorobenzene	<4.6		20	4.6	ug/L		04/22/24 11:02	04/27/24 08:58	1
Hexachlorobutadiene	<11		20	11	ug/L		04/22/24 11:02	04/27/24 08:58	1
Hexachloroethane	<11		20	11	ug/L		04/22/24 11:02	04/27/24 08:58	1
Nitrobenzene	<3.6		5.0	3.6	ug/L		04/22/24 11:02	04/27/24 08:58	1

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### QC Sample Results

Client: Western Refining  
 Project/Site: Injection Well April 2024

Job ID: 885-3072-1

#### Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 885-3657/1-A  
 Matrix: Water  
 Analysis Batch: 4004

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 3657

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	<15		20	15	ug/L		04/22/24 11:02	04/27/24 08:58	1
Pyridine	<2.6		20	2.6	ug/L		04/22/24 11:02	04/27/24 08:58	1
2,4,5-Trichlorophenol	<5.1		10	5.1	ug/L		04/22/24 11:02	04/27/24 08:58	1
2,4,6-Trichlorophenol	<4.3		10	4.3	ug/L		04/22/24 11:02	04/27/24 08:58	1
Cresols, Total	<4.9		10	4.9	ug/L		04/22/24 11:02	04/27/24 08:58	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Phenol-d5 (Surr)	31		15 - 130	04/22/24 11:02	04/27/24 08:58	1
2-Fluorophenol (Surr)	40		15 - 130	04/22/24 11:02	04/27/24 08:58	1
2,4,6-Tribromophenol (Surr)	45		15 - 130	04/22/24 11:02	04/27/24 08:58	1
Nitrobenzene-d5 (Surr)	50		29 - 130	04/22/24 11:02	04/27/24 08:58	1
2-Fluorobiphenyl (Surr)	41		20 - 130	04/22/24 11:02	04/27/24 08:58	1
p-Terphenyl-d14 (Surr)	83		41 - 130	04/22/24 11:02	04/27/24 08:58	1

Lab Sample ID: LCS 885-3657/2-A  
 Matrix: Water  
 Analysis Batch: 4004

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 3657

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2,4-Dinitrotoluene	100	46.5		ug/L		46	38 - 130
Pentachlorophenol	200	83.4		ug/L		42	15 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Phenol-d5 (Surr)	31		15 - 130
2-Fluorophenol (Surr)	39		15 - 130
2,4,6-Tribromophenol (Surr)	51		15 - 130
Nitrobenzene-d5 (Surr)	52		29 - 130
2-Fluorobiphenyl (Surr)	47		20 - 130
p-Terphenyl-d14 (Surr)	75		41 - 130

Lab Sample ID: LCSD 885-3657/3-A  
 Matrix: Water  
 Analysis Batch: 4004

Client Sample ID: Lab Control Sample Dup  
 Prep Type: Total/NA  
 Prep Batch: 3657

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,4-Dinitrotoluene	100	45.0		ug/L		45	38 - 130	3	39
Pentachlorophenol	200	102		ug/L		51	15 - 130	20	55

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Phenol-d5 (Surr)	25		15 - 130
2-Fluorophenol (Surr)	33		15 - 130
2,4,6-Tribromophenol (Surr)	46		15 - 130
Nitrobenzene-d5 (Surr)	45		29 - 130
2-Fluorobiphenyl (Surr)	39		20 - 130
p-Terphenyl-d14 (Surr)	74		41 - 130

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### QC Sample Results

Client: Western Refining  
 Project/Site: Injection Well April 2024

Job ID: 885-3072-1

#### Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 885-3815/1-A  
 Matrix: Water  
 Analysis Batch: 4109

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 3815

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorodane	<0.50		1.0	0.50	ug/L		04/24/24 11:40	04/26/24 11:14	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	86		53 - 130				04/24/24 11:40	04/26/24 11:14	1
Tetrachloro-m-xylene	53		18 - 130				04/24/24 11:40	04/26/24 11:14	1

Lab Sample ID: LCS 885-3815/2-A  
 Matrix: Water  
 Analysis Batch: 4109

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 3815

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	81		53 - 130
Tetrachloro-m-xylene	61		18 - 130

Lab Sample ID: LCSD 885-3815/3-A  
 Matrix: Water  
 Analysis Batch: 4109

Client Sample ID: Lab Control Sample Dup  
 Prep Type: Total/NA  
 Prep Batch: 3815

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	84		53 - 130
Tetrachloro-m-xylene	62		18 - 130

#### Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-3566/4  
 Matrix: Water  
 Analysis Batch: 3566

Client Sample ID: Method Blank  
 Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	<0.050		0.10	0.050	mg/L			04/18/24 12:33	1
Chloride	<0.25		0.50	0.25	mg/L			04/18/24 12:33	1
Fluoride	<0.046		0.10	0.046	mg/L			04/18/24 12:33	1
Sulfate	<0.25		0.50	0.25	mg/L			04/18/24 12:33	1

Lab Sample ID: MB 885-3566/44  
 Matrix: Water  
 Analysis Batch: 3566

Client Sample ID: Method Blank  
 Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	<0.050		0.10	0.050	mg/L			04/18/24 20:48	1
Chloride	<0.25		0.50	0.25	mg/L			04/18/24 20:48	1
Fluoride	<0.046		0.10	0.046	mg/L			04/18/24 20:48	1
Sulfate	<0.25		0.50	0.25	mg/L			04/18/24 20:48	1

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### QC Sample Results

Client: Western Refining  
 Project/Site: Injection Well April 2024

Job ID: 885-3072-1

#### Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 885-3566/45  
 Matrix: Water  
 Analysis Batch: 3566

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromide	2.50	2.51		mg/L		101	90 - 110
Chloride	5.00	4.95		mg/L		99	90 - 110
Fluoride	0.500	0.511		mg/L		102	90 - 110
Sulfate	10.0	10.0		mg/L		100	90 - 110

Lab Sample ID: LCS 885-3566/5  
 Matrix: Water  
 Analysis Batch: 3566

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromide	2.50	2.54		mg/L		101	90 - 110
Chloride	5.00	4.98		mg/L		100	90 - 110
Fluoride	0.500	0.466		mg/L		93	90 - 110
Sulfate	10.0	10.1		mg/L		101	90 - 110

Lab Sample ID: MRL 885-3566/3  
 Matrix: Water  
 Analysis Batch: 3566

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Bromide	0.100	0.105		mg/L		105	50 - 150
Chloride	0.500	0.546		mg/L		109	50 - 150
Fluoride	0.100	0.0941	J	mg/L		94	50 - 150
Sulfate	0.500	0.560		mg/L		112	50 - 150

Lab Sample ID: MB 885-3567/4  
 Matrix: Water  
 Analysis Batch: 3567

Client Sample ID: Method Blank  
 Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate	<0.020		0.10	0.020	mg/L			04/18/24 12:33	1
Orthophosphate as P	<0.25		0.50	0.25	mg/L			04/18/24 12:33	1
Nitrite	<0.012		0.10	0.012	mg/L			04/18/24 12:33	1

Lab Sample ID: MB 885-3567/44  
 Matrix: Water  
 Analysis Batch: 3567

Client Sample ID: Method Blank  
 Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate	<0.020		0.10	0.020	mg/L			04/18/24 20:48	1
Orthophosphate as P	<0.25		0.50	0.25	mg/L			04/18/24 20:48	1
Nitrite	<0.012		0.10	0.012	mg/L			04/18/24 20:48	1

Lab Sample ID: LCS 885-3567/45  
 Matrix: Water  
 Analysis Batch: 3567

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate	2.50	2.59		mg/L		103	90 - 110
Orthophosphate as P	5.00	4.80		mg/L		96	90 - 110

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### QC Sample Results

Client: Western Refining  
 Project/Site: Injection Well April 2024

Job ID: 885-3072-1

#### Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 885-3567/45  
 Matrix: Water  
 Analysis Batch: 3567

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrite	1.00	1.02		mg/L		102	90 - 110

Lab Sample ID: LCS 885-3567/5  
 Matrix: Water  
 Analysis Batch: 3567

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate	2.50	2.60		mg/L		104	90 - 110
Orthophosphate as P	5.00	4.63		mg/L		93	90 - 110
Nitrite	1.00	1.02		mg/L		102	90 - 110

Lab Sample ID: MRL 885-3567/3  
 Matrix: Water  
 Analysis Batch: 3567

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate	0.100	0.104		mg/L		104	50 - 150
Orthophosphate as P	0.500	0.512		mg/L		102	50 - 150
Nitrite	0.0999	0.101		mg/L		102	50 - 150

Lab Sample ID: MB 885-3853/22  
 Matrix: Water  
 Analysis Batch: 3853

Client Sample ID: Method Blank  
 Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	<0.050		0.10	0.050	mg/L			04/24/24 08:54	1
Chloride	<0.25		0.50	0.25	mg/L			04/24/24 08:54	1
Fluoride	<0.046		0.10	0.046	mg/L			04/24/24 08:54	1
Sulfate	<0.25		0.50	0.25	mg/L			04/24/24 08:54	1

Lab Sample ID: MB 885-3853/82  
 Matrix: Water  
 Analysis Batch: 3853

Client Sample ID: Method Blank  
 Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	<0.050		0.10	0.050	mg/L			04/24/24 21:15	1
Chloride	<0.25		0.50	0.25	mg/L			04/24/24 21:15	1
Fluoride	<0.046		0.10	0.046	mg/L			04/24/24 21:15	1
Sulfate	<0.25		0.50	0.25	mg/L			04/24/24 21:15	1

Lab Sample ID: LCS 885-3853/83  
 Matrix: Water  
 Analysis Batch: 3853

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromide	2.50	2.54		mg/L		101	90 - 110
Chloride	5.00	5.00		mg/L		100	90 - 110
Fluoride	0.500	0.533		mg/L		107	90 - 110
Sulfate	10.0	10.1		mg/L		101	90 - 110

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### QC Sample Results

Client: Western Refining  
 Project/Site: Injection Well April 2024

Job ID: 885-3072-1

#### Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MRL 885-3853/21  
 Matrix: Water  
 Analysis Batch: 3853

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Bromide	0.100	0.112		mg/L		112	50 - 150
Chloride	0.500	0.544		mg/L		109	50 - 150
Fluoride	0.100	0.108		mg/L		108	50 - 150
Sulfate	0.500	0.548		mg/L		110	50 - 150

Lab Sample ID: MB 885-3854/4  
 Matrix: Water  
 Analysis Batch: 3854

Client Sample ID: Method Blank  
 Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate	<0.020		0.10	0.020	mg/L			04/24/24 08:54	1
Orthophosphate as P	<0.25		0.50	0.25	mg/L			04/24/24 08:54	1
Nitrite	<0.012		0.10	0.012	mg/L			04/24/24 08:54	1

Lab Sample ID: MB 885-3854/82  
 Matrix: Water  
 Analysis Batch: 3854

Client Sample ID: Method Blank  
 Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate	<0.020		0.10	0.020	mg/L			04/24/24 21:15	1
Orthophosphate as P	<0.25		0.50	0.25	mg/L			04/24/24 21:15	1
Nitrite	<0.012		0.10	0.012	mg/L			04/24/24 21:15	1

Lab Sample ID: LCS 885-3854/83  
 Matrix: Water  
 Analysis Batch: 3854

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate	2.50	2.61		mg/L		104	90 - 110
Orthophosphate as P	5.00	4.99		mg/L		100	90 - 110
Nitrite	1.00	1.02		mg/L		102	90 - 110

Lab Sample ID: MRL 885-3854/3  
 Matrix: Water  
 Analysis Batch: 3854

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate	0.100	0.103		mg/L		103	50 - 150
Orthophosphate as P	0.500	0.529		mg/L		106	50 - 150
Nitrite	0.0999	0.108		mg/L		108	50 - 150

#### Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MB 885-4006/28  
 Matrix: Water  
 Analysis Batch: 4006

Client Sample ID: Method Blank  
 Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	<0.065		1.0	0.065	mg/L			04/27/24 09:49	1
Magnesium	<0.024		1.0	0.024	mg/L			04/27/24 09:49	1

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### QC Sample Results

Client: Western Refining  
 Project/Site: Injection Well April 2024

Job ID: 885-3072-1

#### Method: 200.7 Rev 4.4 - Metals (ICP) (Continued)

Lab Sample ID: MB 885-4006/28  
 Matrix: Water  
 Analysis Batch: 4006

Client Sample ID: Method Blank  
 Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	<0.12		1.0	0.12	mg/L			04/27/24 09:49	1
Sodium	<0.23		1.0	0.23	mg/L			04/27/24 09:49	1

Lab Sample ID: LCS 885-4006/30  
 Matrix: Water  
 Analysis Batch: 4006

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	50.0	50.0		mg/L		100	85 - 115
Magnesium	50.0	49.7		mg/L		99	85 - 115
Potassium	50.0	49.0		mg/L		98	85 - 115
Sodium	50.0	48.8		mg/L		98	85 - 115

Lab Sample ID: LLCS 885-4006/29  
 Matrix: Water  
 Analysis Batch: 4006

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	0.500	0.522	J	mg/L		104	50 - 150
Magnesium	0.500	0.522	J	mg/L		104	50 - 150
Potassium	0.500	0.426	J	mg/L		85	50 - 150
Sodium	0.500	0.450	J	mg/L		90	50 - 150

Lab Sample ID: MRL 885-4006/25  
 Matrix: Water  
 Analysis Batch: 4006

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	0.500	0.512	J	mg/L		102	50 - 150
Magnesium	0.500	0.514	J	mg/L		103	50 - 150
Potassium	0.500	0.438	J	mg/L		88	50 - 150
Sodium	0.500	0.472	J	mg/L		94	50 - 150

Lab Sample ID: 885-3072-1 MS  
 Matrix: Water  
 Analysis Batch: 4006

Client Sample ID: Injection Well  
 Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	44		50.0	93.2		mg/L		99	70 - 130
Magnesium	30		50.0	79.5		mg/L		99	70 - 130
Potassium	16		50.0	65.1		mg/L		98	70 - 130

Lab Sample ID: 885-3072-1 MS  
 Matrix: Water  
 Analysis Batch: 4006

Client Sample ID: Injection Well  
 Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	44		250	293		mg/L		100	70 - 130
Magnesium	30		250	281		mg/L		100	70 - 130
Potassium	16		250	262		mg/L		99	70 - 130

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### QC Sample Results

Client: Western Refining  
 Project/Site: Injection Well April 2024

Job ID: 885-3072-1

#### Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: 885-3072-1 MSD  
 Matrix: Water  
 Analysis Batch: 4006

Client Sample ID: Injection Well  
 Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Calcium	44		50.0	93.6		mg/L		100	70 - 130	0	20
Magnesium	30		50.0	79.6		mg/L		99	70 - 130	0	20
Potassium	16		50.0	65.4		mg/L		99	70 - 130	1	20

Lab Sample ID: 885-3072-1 MSD  
 Matrix: Water  
 Analysis Batch: 4006

Client Sample ID: Injection Well  
 Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Calcium	44		250	299		mg/L		102	70 - 130	2	20
Magnesium	30		250	283		mg/L		101	70 - 130	1	20
Potassium	16		250	264		mg/L		99	70 - 130	1	20

#### Method: 6010B - Metals (ICP)

Lab Sample ID: MRL 885-3833/41  
 Matrix: Water  
 Analysis Batch: 3833

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Barium	0.00200	0.00176	J	mg/L		88	50 - 150
Cadmium	0.00200	0.00225		mg/L		112	50 - 150
Chromium	0.00600	0.00611		mg/L		102	50 - 150
Silver	0.00500	0.00451	J	mg/L		90	50 - 150

Lab Sample ID: MB 885-3713/1-A  
 Matrix: Water  
 Analysis Batch: 3833

Client Sample ID: Method Blank  
 Prep Type: Total Recoverable  
 Prep Batch: 3713

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	<0.00095		0.0020	0.00095	mg/L		04/23/24 07:13	04/24/24 10:48	1
Cadmium	<0.0012		0.0020	0.0012	mg/L		04/23/24 07:13	04/24/24 10:48	1
Chromium	<0.0012		0.0060	0.0012	mg/L		04/23/24 07:13	04/24/24 10:48	1
Silver	0.00294	J	0.0050	0.0013	mg/L		04/23/24 07:13	04/24/24 10:48	1

Lab Sample ID: LCS 885-3713/3-A  
 Matrix: Water  
 Analysis Batch: 3833

Client Sample ID: Lab Control Sample  
 Prep Type: Total Recoverable  
 Prep Batch: 3713

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Barium	0.500	0.465		mg/L		93	80 - 120
Cadmium	0.500	0.455		mg/L		91	80 - 120
Chromium	0.500	0.443		mg/L		89	80 - 120
Silver	0.100	0.0936		mg/L		94	80 - 120

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### QC Sample Results

Client: Western Refining  
 Project/Site: Injection Well April 2024

Job ID: 885-3072-1

#### Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: LLCS 885-3713/2-A  
 Matrix: Water  
 Analysis Batch: 3833

Client Sample ID: Lab Control Sample  
 Prep Type: Total Recoverable  
 Prep Batch: 3713

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Barium	0.00200	0.00179	J	mg/L		90	50 - 150
Cadmium	0.00200	0.00218		mg/L		109	50 - 150
Chromium	0.00600	0.00636		mg/L		106	50 - 150
Silver	0.00500	0.00694		mg/L		139	50 - 150

Lab Sample ID: 885-3072-1 MS  
 Matrix: Water  
 Analysis Batch: 3833

Client Sample ID: Injection Well  
 Prep Type: Total Recoverable  
 Prep Batch: 3713

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Barium	0.12		0.500	0.574		mg/L		91	75 - 125
Cadmium	<0.0012		0.500	0.462		mg/L		92	75 - 125
Chromium	<0.0012		0.500	0.441		mg/L		88	75 - 125
Silver	<0.0013		0.100	0.0983		mg/L		98	75 - 125

Lab Sample ID: 885-3072-1 MSD  
 Matrix: Water  
 Analysis Batch: 3833

Client Sample ID: Injection Well  
 Prep Type: Total Recoverable  
 Prep Batch: 3713

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Barium	0.12		0.500	0.575		mg/L		92	75 - 125	0	20
Cadmium	<0.0012		0.500	0.464		mg/L		93	75 - 125	0	20
Chromium	<0.0012		0.500	0.440		mg/L		88	75 - 125	0	20
Silver	<0.0013		0.100	0.0989		mg/L		99	75 - 125	1	20

#### Method: 6020A - Metals (ICP/MS)

Lab Sample ID: MRL 885-4472/9  
 Matrix: Water  
 Analysis Batch: 4472

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.00100	0.00104		mg/L		104	70 - 130
Barium	0.00100	0.00111		mg/L		111	70 - 130
Cadmium	0.00100	0.00115		mg/L		115	70 - 130
Chromium	0.00100	0.00130		mg/L		130	70 - 130
Lead	0.00100	0.00111		mg/L		111	70 - 130
Selenium	0.00100	0.00119		mg/L		119	70 - 130
Silver	0.00100	0.00117		mg/L		117	70 - 130

Lab Sample ID: MRL 885-4507/9  
 Matrix: Water  
 Analysis Batch: 4507

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.00100	0.00106		mg/L		106	70 - 130
Barium	0.00100	0.00102		mg/L		102	70 - 130
Cadmium	0.00100	0.000962	J	mg/L		96	70 - 130
Chromium	0.00100	0.00105		mg/L		105	70 - 130
Lead	0.00100	0.00101		mg/L		101	70 - 130

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### QC Sample Results

Client: Western Refining  
 Project/Site: Injection Well April 2024

Job ID: 885-3072-1

#### Method: 6020A - Metals (ICP/MS) (Continued)

Lab Sample ID: MRL 885-4507/9  
 Matrix: Water  
 Analysis Batch: 4507

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Selenium	0.00100	0.000946	J	mg/L		95	70 - 130
Silver	0.00100	0.00109		mg/L		109	70 - 130

#### Method: 7470A - Mercury (CVAA)

Lab Sample ID: MRL 885-3817/9-A  
 Matrix: Water  
 Analysis Batch: 3893

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 3817

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.000150	<0.00012		mg/L		69	50 - 150

Lab Sample ID: MB 885-3819/1-A  
 Matrix: Water  
 Analysis Batch: 3893

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 3819

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00012		0.00020	0.00012	mg/L		04/24/24 12:04	04/25/24 10:38	1

Lab Sample ID: LCS 885-3819/3-A  
 Matrix: Water  
 Analysis Batch: 3893

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 3819

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00500	0.00455		mg/L		91	85 - 115

Lab Sample ID: LCSD 885-3819/26-A  
 Matrix: Water  
 Analysis Batch: 3893

Client Sample ID: Lab Control Sample Dup  
 Prep Type: Total/NA  
 Prep Batch: 3819

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.00500	0.00437		mg/L		87	85 - 115	4	20

Lab Sample ID: LLCS 885-3819/2-A  
 Matrix: Water  
 Analysis Batch: 3893

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 3819

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.000150	<0.00012	^+	mg/L		55	50 - 150

#### Method: 1010 - Ignitability, Pensky-Martens Closed-Cup Method

Lab Sample ID: LCSSRM 570-434204/1  
 Matrix: Water  
 Analysis Batch: 434204

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Ignitability	81.0	81.00		Degrees F		100.0	95.1 - 104.9

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### QC Sample Results

Client: Western Refining  
 Project/Site: Injection Well April 2024

Job ID: 885-3072-1

#### Method: 1010 - Ignitability, Pensky-Martens Closed-Cup Method (Continued)

Lab Sample ID: LCSSRM 570-434204/2  
 Matrix: Water  
 Analysis Batch: 434204

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Ignitability	81.0	82.00		Degrees F		101.2	95.1 - 104.9

#### Method: 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 885-3597/1  
 Matrix: Water  
 Analysis Batch: 3597

Client Sample ID: Method Blank  
 Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<25		50	25	mg/L			04/19/24 13:54	1

Lab Sample ID: LCS 885-3597/2  
 Matrix: Water  
 Analysis Batch: 3597

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	1000	1000		mg/L		100	80 - 120

#### Method: 9014 - Cyanide, Reactive

Lab Sample ID: MB 570-434469/1-A  
 Matrix: Water  
 Analysis Batch: 434466

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 434469

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Reactive	<0.50		0.50	0.50	mg/L		04/25/24 11:00	04/25/24 18:11	1

Lab Sample ID: LCS 570-434469/2-A  
 Matrix: Water  
 Analysis Batch: 434466

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 434469

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Reactive	0.999	1.00		mg/L		101	2 - 150

Lab Sample ID: LCSD 570-434469/3-A  
 Matrix: Water  
 Analysis Batch: 434466

Client Sample ID: Lab Control Sample Dup  
 Prep Type: Total/NA  
 Prep Batch: 434469

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cyanide, Reactive	0.999	1.01		mg/L		101	2 - 150	0	20

#### Method: 9034 - Sulfide, Reactive

Lab Sample ID: MB 570-435089/1-A  
 Matrix: Water  
 Analysis Batch: 435092

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 435089

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide, Reactive	<50		50	50	mg/L		04/24/24 12:00	04/24/24 13:08	1

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### QC Sample Results

Client: Western Refining  
 Project/Site: Injection Well April 2024

Job ID: 885-3072-1

#### Method: 9034 - Sulfide, Reactive (Continued)

Lab Sample ID: LCS 570-435089/2-A  
 Matrix: Water  
 Analysis Batch: 435092

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 435089

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfide, Reactive	500	359		mg/L		72	0 - 120

Lab Sample ID: LCSD 570-435089/3-A  
 Matrix: Water  
 Analysis Batch: 435092

Client Sample ID: Lab Control Sample Dup  
 Prep Type: Total/NA  
 Prep Batch: 435089

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfide, Reactive	500	340		mg/L		68	0 - 120	5	20

#### Method: SM 2320B - Alkalinity

Lab Sample ID: MB 885-3855/2  
 Matrix: Water  
 Analysis Batch: 3855

Client Sample ID: Method Blank  
 Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3	<20		20	20	mg/L			04/24/24 13:29	1
Bicarbonate Alkalinity as CaCO3	<20		20	20	mg/L			04/24/24 13:29	1
Carbonate Alkalinity as CaCO3	<2.0		2.0	2.0	mg/L			04/24/24 13:29	1

Lab Sample ID: LCS 885-3855/3  
 Matrix: Water  
 Analysis Batch: 3855

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Alkalinity as CaCO3	84.8	77.7		mg/L		92	90 - 110

Lab Sample ID: MRL 885-3855/1  
 Matrix: Water  
 Analysis Batch: 3855

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Total Alkalinity as CaCO3	21.2	21.8		mg/L		103	50 - 150

#### Method: SM 2510B - Conductivity, Specific Conductance

Lab Sample ID: LCS 885-3856/4  
 Matrix: Water  
 Analysis Batch: 3856

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Specific Conductance	101	103		umhos/cm		102	85 - 115

Lab Sample ID: MRL 885-3856/3  
 Matrix: Water  
 Analysis Batch: 3856

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Specific Conductance	9.61	<10		umhos/cm		94	50 - 150

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### QC Sample Results

Client: Western Refining  
Project/Site: Injection Well April 2024

Job ID: 885-3072-1

#### Method: SM 2710F - Specific Gravity

Lab Sample ID: MB 885-4211/1  
Matrix: Water  
Analysis Batch: 4211

Client Sample ID: Method Blank  
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Gravity	0.999				NONE			05/01/24 11:15	1

- 1
- 2
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## QC Association Summary

Client: Western Refining  
Project/Site: Injection Well April 2024

Job ID: 885-3072-1

## GC/MS VOA

## Analysis Batch: 3938

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 885-3938/25	Method Blank	Total/NA	Water	8260B	
LCS 885-3938/24	Lab Control Sample	Total/NA	Water	8260B	

## Analysis Batch: 3997

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-3072-1	Injection Well	Total/NA	Water	8260B	

## GC/MS Semi VOA

## Prep Batch: 3657

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-3072-1	Injection Well	Total/NA	Water	3510C	
MB 885-3657/1-A	Method Blank	Total/NA	Water	3510C	
LCS 885-3657/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 885-3657/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

## Analysis Batch: 4004

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 885-3657/1-A	Method Blank	Total/NA	Water	8270C	3657
LCS 885-3657/2-A	Lab Control Sample	Total/NA	Water	8270C	3657
LCSD 885-3657/3-A	Lab Control Sample Dup	Total/NA	Water	8270C	3657

## Analysis Batch: 4081

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-3072-1	Injection Well	Total/NA	Water	8270C	3657

## GC Semi VOA

## Prep Batch: 3815

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-3072-1	Injection Well	Total/NA	Water	3510C	
MB 885-3815/1-A	Method Blank	Total/NA	Water	3510C	
LCS 885-3815/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 885-3815/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

## Analysis Batch: 4109

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-3072-1	Injection Well	Total/NA	Water	8081B	3815
MB 885-3815/1-A	Method Blank	Total/NA	Water	8081B	3815
LCS 885-3815/2-A	Lab Control Sample	Total/NA	Water	8081B	3815
LCSD 885-3815/3-A	Lab Control Sample Dup	Total/NA	Water	8081B	3815

## HPLC/IC

## Analysis Batch: 3566

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-3072-1	Injection Well	Total/NA	Water	300.0	
885-3072-1	Injection Well	Total/NA	Water	300.0	
MB 885-3566/4	Method Blank	Total/NA	Water	300.0	
MB 885-3566/44	Method Blank	Total/NA	Water	300.0	
LCS 885-3566/45	Lab Control Sample	Total/NA	Water	300.0	
LCS 885-3566/5	Lab Control Sample	Total/NA	Water	300.0	

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## QC Association Summary

Client: Western Refining  
Project/Site: Injection Well April 2024

Job ID: 885-3072-1

## HPLC/IC (Continued)

## Analysis Batch: 3566 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MRL 885-3566/3	Lab Control Sample	Total/NA	Water	300.0	

## Analysis Batch: 3567

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-3072-1	Injection Well	Total/NA	Water	300.0	
885-3072-1	Injection Well	Total/NA	Water	300.0	
MB 885-3567/4	Method Blank	Total/NA	Water	300.0	
MB 885-3567/44	Method Blank	Total/NA	Water	300.0	
LCS 885-3567/45	Lab Control Sample	Total/NA	Water	300.0	
LCS 885-3567/5	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-3567/3	Lab Control Sample	Total/NA	Water	300.0	

## Analysis Batch: 3853

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-3072-1	Injection Well	Total/NA	Water	300.0	
MB 885-3853/22	Method Blank	Total/NA	Water	300.0	
MB 885-3853/82	Method Blank	Total/NA	Water	300.0	
LCS 885-3853/83	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-3853/21	Lab Control Sample	Total/NA	Water	300.0	

## Analysis Batch: 3854

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 885-3854/4	Method Blank	Total/NA	Water	300.0	
MB 885-3854/82	Method Blank	Total/NA	Water	300.0	
LCS 885-3854/83	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-3854/3	Lab Control Sample	Total/NA	Water	300.0	

## Metals

## Prep Batch: 3713

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-3072-1	Injection Well	Total Recoverable	Water	3005A	
MB 885-3713/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 885-3713/3-A	Lab Control Sample	Total Recoverable	Water	3005A	
LLCS 885-3713/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
885-3072-1 MS	Injection Well	Total Recoverable	Water	3005A	
885-3072-1 MSD	Injection Well	Total Recoverable	Water	3005A	

## Prep Batch: 3817

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MRL 885-3817/9-A	Lab Control Sample	Total/NA	Water	245.1	

## Prep Batch: 3819

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-3072-1	Injection Well	Total/NA	Water	7470A	
MB 885-3819/1-A	Method Blank	Total/NA	Water	7470A	
LCS 885-3819/3-A	Lab Control Sample	Total/NA	Water	7470A	
LCSD 885-3819/26-A	Lab Control Sample Dup	Total/NA	Water	7470A	
LLCS 885-3819/2-A	Lab Control Sample	Total/NA	Water	7470A	

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## QC Association Summary

Client: Western Refining  
Project/Site: Injection Well April 2024

Job ID: 885-3072-1

## Metals

## Analysis Batch: 3833

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-3072-1	Injection Well	Total Recoverable	Water	6010B	3713
MB 885-3713/1-A	Method Blank	Total Recoverable	Water	6010B	3713
LCS 885-3713/3-A	Lab Control Sample	Total Recoverable	Water	6010B	3713
LLCS 885-3713/2-A	Lab Control Sample	Total Recoverable	Water	6010B	3713
MRL 885-3833/41	Lab Control Sample	Total/NA	Water	6010B	
885-3072-1 MS	Injection Well	Total Recoverable	Water	6010B	3713
885-3072-1 MSD	Injection Well	Total Recoverable	Water	6010B	3713

## Analysis Batch: 3893

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-3072-1	Injection Well	Total/NA	Water	7470A	3819
MB 885-3819/1-A	Method Blank	Total/NA	Water	7470A	3819
LCS 885-3819/3-A	Lab Control Sample	Total/NA	Water	7470A	3819
LCSD 885-3819/26-A	Lab Control Sample Dup	Total/NA	Water	7470A	3819
LLCS 885-3819/2-A	Lab Control Sample	Total/NA	Water	7470A	3819
MRL 885-3817/9-A	Lab Control Sample	Total/NA	Water	7470A	3817

## Analysis Batch: 4006

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-3072-1	Injection Well	Dissolved	Water	200.7 Rev 4.4	
885-3072-1	Injection Well	Dissolved	Water	200.7 Rev 4.4	
MB 885-4006/28	Method Blank	Total/NA	Water	200.7 Rev 4.4	
LCS 885-4006/30	Lab Control Sample	Total/NA	Water	200.7 Rev 4.4	
LLCS 885-4006/29	Lab Control Sample	Total/NA	Water	200.7 Rev 4.4	
MRL 885-4006/25	Lab Control Sample	Total/NA	Water	200.7 Rev 4.4	
885-3072-1 MS	Injection Well	Dissolved	Water	200.7 Rev 4.4	
885-3072-1 MS	Injection Well	Dissolved	Water	200.7 Rev 4.4	
885-3072-1 MSD	Injection Well	Dissolved	Water	200.7 Rev 4.4	
885-3072-1 MSD	Injection Well	Dissolved	Water	200.7 Rev 4.4	

## Prep Batch: 4008

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-3072-1	Injection Well	Total Recoverable	Water	3005A	

## Analysis Batch: 4472

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-3072-1	Injection Well	Total Recoverable	Water	6020A	4008
MRL 885-4472/9	Lab Control Sample	Total/NA	Water	6020A	

## Analysis Batch: 4507

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MRL 885-4507/9	Lab Control Sample	Total/NA	Water	6020A	

## General Chemistry

## Analysis Batch: 3597

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-3072-1	Injection Well	Total/NA	Water	2540C	
MB 885-3597/1	Method Blank	Total/NA	Water	2540C	
LCS 885-3597/2	Lab Control Sample	Total/NA	Water	2540C	

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# QC Association Summary

Client: Western Refining  
 Project/Site: Injection Well April 2024

Job ID: 885-3072-1

## General Chemistry

### Analysis Batch: 3855

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-3072-1	Injection Well	Total/NA	Water	SM 2320B	
MB 885-3855/2	Method Blank	Total/NA	Water	SM 2320B	
LCS 885-3855/3	Lab Control Sample	Total/NA	Water	SM 2320B	
MRL 885-3855/1	Lab Control Sample	Total/NA	Water	SM 2320B	

### Analysis Batch: 3856

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-3072-1	Injection Well	Total/NA	Water	SM 2510B	
LCS 885-3856/4	Lab Control Sample	Total/NA	Water	SM 2510B	
MRL 885-3856/3	Lab Control Sample	Total/NA	Water	SM 2510B	

### Analysis Batch: 3857

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-3072-1	Injection Well	Total/NA	Water	SM 4500 H+ B	

### Analysis Batch: 4211

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-3072-1	Injection Well	Total/NA	Water	SM 2710F	
MB 885-4211/1	Method Blank	Total/NA	Water	SM 2710F	

### Analysis Batch: 434048

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-3072-1	Injection Well	Total/NA	Water	9040B	

### Analysis Batch: 434204

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-3072-1	Injection Well	Total/NA	Water	1010	
LCSSRM 570-434204/1	Lab Control Sample	Total/NA	Water	1010	
LCSSRM 570-434204/2	Lab Control Sample	Total/NA	Water	1010	

### Analysis Batch: 434466

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-3072-1	Injection Well	Total/NA	Water	9014	434469
MB 570-434469/1-A	Method Blank	Total/NA	Water	9014	434469
LCS 570-434469/2-A	Lab Control Sample	Total/NA	Water	9014	434469
LCSD 570-434469/3-A	Lab Control Sample Dup	Total/NA	Water	9014	434469

### Prep Batch: 434469

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-3072-1	Injection Well	Total/NA	Water	7.3.3	
MB 570-434469/1-A	Method Blank	Total/NA	Water	7.3.3	
LCS 570-434469/2-A	Lab Control Sample	Total/NA	Water	7.3.3	
LCSD 570-434469/3-A	Lab Control Sample Dup	Total/NA	Water	7.3.3	

### Prep Batch: 435089

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-3072-1	Injection Well	Total/NA	Water	7.3.4	
MB 570-435089/1-A	Method Blank	Total/NA	Water	7.3.4	
LCS 570-435089/2-A	Lab Control Sample	Total/NA	Water	7.3.4	
LCSD 570-435089/3-A	Lab Control Sample Dup	Total/NA	Water	7.3.4	

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# QC Association Summary

Client: Western Refining  
Project/Site: Injection Well April 2024

Job ID: 885-3072-1

## General Chemistry

### Analysis Batch: 435092

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-3072-1	Injection Well	Total/NA	Water	9034	435089
MB 570-435089/1-A	Method Blank	Total/NA	Water	9034	435089
LCS 570-435089/2-A	Lab Control Sample	Total/NA	Water	9034	435089
LCSD 570-435089/3-A	Lab Control Sample Dup	Total/NA	Water	9034	435089

### Analysis Batch: 435741

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-3072-1	Injection Well	Total/NA	Water	D1498-00	

- 1
- 2
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# Lab Chronicle

Client: Western Refining  
 Project/Site: Injection Well April 2024

Job ID: 885-3072-1

**Client Sample ID: Injection Well**

**Lab Sample ID: 885-3072-1**

**Date Collected: 04/17/24 08:30**

**Matrix: Water**

**Date Received: 04/18/24 07:05**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		2	3997	JR	EET ALB	04/26/24 14:39
Total/NA	Prep	3510C			3657	JM	EET ALB	04/22/24 11:02
Total/NA	Analysis	8270C		1	4081	MB	EET ALB	04/29/24 12:36
Total/NA	Prep	3510C			3815	JM	EET ALB	04/24/24 11:40
Total/NA	Analysis	8081B		1	4109	SB	EET ALB	04/26/24 11:54
Total/NA	Analysis	300.0		1	3566	SS	EET ALB	04/18/24 21:12
Total/NA	Analysis	300.0		1	3567	SS	EET ALB	04/18/24 21:12
Total/NA	Analysis	300.0		20	3566	SS	EET ALB	04/18/24 21:25
Total/NA	Analysis	300.0		20	3567	SS	EET ALB	04/18/24 21:25
Total/NA	Analysis	300.0		50	3853	SS	EET ALB	04/25/24 05:05
Dissolved	Analysis	200.7 Rev 4.4		1	4006	VP	EET ALB	04/27/24 12:01
Dissolved	Analysis	200.7 Rev 4.4		10	4006	VP	EET ALB	04/27/24 12:22
Total Recoverable	Prep	3005A			3713	VP	EET ALB	04/23/24 07:13
Total Recoverable	Analysis	6010B		1	3833	VP	EET ALB	04/24/24 11:22
Total Recoverable	Prep	3005A			4008	VP	EET ALB	04/29/24 06:12
Total Recoverable	Analysis	6020A		1	4472	ES	EET ALB	05/06/24 16:25
Total/NA	Prep	7470A			3819	JR	EET ALB	04/24/24 12:04
Total/NA	Analysis	7470A		1	3893	JR	EET ALB	04/25/24 12:10
Total/NA	Analysis	1010		1	434204	UXCH	EET CAL 4	04/25/24 07:20
Total/NA	Analysis	2540C		1	3597	JU	EET ALB	04/19/24 13:54
Total/NA	Prep	7.3.3			434469	UAPD	EET CAL 4	04/25/24 11:00
Total/NA	Analysis	9014		1	434466	UAPD	EET CAL 4	04/25/24 18:18
Total/NA	Prep	7.3.4			435089	UAPD	EET CAL 4	04/24/24 12:00
Total/NA	Analysis	9034		1	435092	UAPD	EET CAL 4	04/24/24 13:08
Total/NA	Analysis	9040B		1	434048	ZL4M	EET CAL 4	04/24/24 19:17
Total/NA	Analysis	D1498-00		1	435741	U8XP	EET CAL 4	04/30/24 11:46
Total/NA	Analysis	SM 2320B		1	3855	DL	EET ALB	04/24/24 15:06
Total/NA	Analysis	SM 2510B		1	3856	DL	EET ALB	04/24/24 15:06
Total/NA	Analysis	SM 2710F		1	4211	RC	EET ALB	05/01/24 11:15
Total/NA	Analysis	SM 4500 H+ B		1	3857	DL	EET ALB	04/24/24 15:06

**Laboratory References:**

EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975  
 EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

# Accreditation/Certification Summary

Client: Western Refining  
 Project/Site: Injection Well April 2024

Job ID: 885-3072-1

## Laboratory: Eurofins Albuquerque

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New Mexico	State	NM9425, NM0901	02-26-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
200.7 Rev 4.4		Water	Calcium
200.7 Rev 4.4		Water	Magnesium
200.7 Rev 4.4		Water	Potassium
200.7 Rev 4.4		Water	Sodium
2540C		Water	Total Dissolved Solids
300.0		Water	Bromide
300.0		Water	Chloride
300.0		Water	Fluoride
300.0		Water	Nitrate
300.0		Water	Nitrite
300.0		Water	Orthophosphate as P
300.0		Water	Sulfate
6010B	3005A	Water	Barium
6010B	3005A	Water	Cadmium
6010B	3005A	Water	Chromium
6010B	3005A	Water	Silver
6020A	3005A	Water	Arsenic
6020A	3005A	Water	Lead
6020A	3005A	Water	Selenium
7470A	7470A	Water	Mercury
8081B	3510C	Water	Chlorodane
8260B		Water	1,1-Dichloroethene
8260B		Water	1,2-Dichloroethane (EDC)
8260B		Water	1,4-Dichlorobenzene
8260B		Water	2-Butanone
8260B		Water	Benzene
8260B		Water	Carbon tetrachloride
8260B		Water	Chlorobenzene
8260B		Water	Chloroform
8260B		Water	Tetrachloroethene (PCE)
8260B		Water	Trichloroethene (TCE)
8260B		Water	Vinyl chloride
8270C	3510C	Water	2,4,5-Trichlorophenol
8270C	3510C	Water	2,4,6-Trichlorophenol
8270C	3510C	Water	2,4-Dinitrotoluene
8270C	3510C	Water	2-Methylphenol
8270C	3510C	Water	3 & 4 Methylphenol
8270C	3510C	Water	Cresols, Total
8270C	3510C	Water	Hexachlorobenzene
8270C	3510C	Water	Hexachlorobutadiene
8270C	3510C	Water	Hexachloroethane
8270C	3510C	Water	Nitrobenzene
8270C	3510C	Water	Pentachlorophenol
8270C	3510C	Water	Pyridine
SM 2320B		Water	Bicarbonate Alkalinity as CaCO3

Eurofins Albuquerque

## Accreditation/Certification Summary

Client: Western Refining  
 Project/Site: Injection Well April 2024

Job ID: 885-3072-1

### Laboratory: Eurofins Albuquerque (Continued)

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
SM 2320B		Water	Carbonate Alkalinity as CaCO3
SM 2320B		Water	Total Alkalinity as CaCO3
SM 2510B		Water	Specific Conductance
SM 2710F		Water	Specific Gravity
SM 4500 H+ B		Water	pH

### Laboratory: Eurofins Calscience

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Arizona	State	AZ0830	11-16-24
California	Los Angeles County Sanitation Districts	9257304	08-01-24
California	State	3082	07-31-24
Kansas	NELAP	E-10420	05-22-24
Nevada	State	CA00111	05-19-24
Oregon	NELAP	4175	06-11-24
USDA	US Federal Programs	P330-22-00059	06-08-26
Washington	State	C916-18	10-11-24

# Chain-of-Custody Record

Client: **Western Refining**

Mailing Address: **50 CR 4990**

**Bloomfield, NM 87413**

Phone #: **678-594-6377**

email or Fax: [gfrussell@marathonpetroleum.com](mailto:gfrussell@marathonpetroleum.com)

QA/QC Package:  
 Standard  Level 4 (Full Validation)  
 Accreditation:  
 NELAC  Az Compliance  Other  
 EDD (Type)

Turn-Around Time:

Standard  Rush

Project Name: Injection Well April 2024

Project #:

PO # 4900110659

Project Manager:

Gary Russell

Sampler:

On Ice:  Yes  No *Y09:*

# of Coolers: *1*

Cooler Temp (including CF): *0.9-0.2-0.7*

Container Type and # Preservative Type HEAL No.

500ml P none --1

1 - 125ml P *None*

1 - 500ml P none

3-500ml P 1- unpres, 1- NaOH, 1- NaOH/ZnAc

250ml P HNO3

1L Amber G none

3-40ml VOAS HCL

1L Anmer none

Date: *4/17/24 8:30*

Time: *15:00*

Date: *4/17/24 15:00*

Time: *15:00*

Relinquished by: *[Signature]*

Date: *4/17/24 15:00*

Relinquished by: *[Signature]*

Date: *4/18/24 7:05*

Analysis Request	
PH, Specific gravity	x
C/A Balance Dissolved	
RCl and ORP	
RCRA 8 Metals	
Chlordane only by 8081	
8260 TCLP list + TEX	
8270 TCLP List	

Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.







### Login Sample Receipt Checklist

Client: Western Refining

Job Number: 885-3072-1

**Login Number: 3072**

**List Source: Eurofins Albuquerque**

**List Number: 1**

**Creator: Proctor, Nancy**

Question	Answer	Comment
Radioactivity wasn't checked or is <math>\leq</math> background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	False	Sampler name not required.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	False	Refer to Job Narrative for details.
Residual Chlorine Checked.	N/A	

### Login Sample Receipt Checklist

Client: Western Refining

Job Number: 885-3072-1

**Login Number: 3072**  
**List Number: 2**  
**Creator: Khana, Piyush**

**List Source: Eurofins Calscience**  
**List Creation: 04/23/24 04:55 PM**

Question	Answer	Comment
Radioactivity wasn't checked or is <=/ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	Seal present with no number.
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	5.8
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



Environment Testing

- 1
- 2
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# ANALYTICAL REPORT

## PREPARED FOR

Attn: Gary Russell  
 Western Refining  
 50 County Road 4990  
 Bloomfield, New Mexico 87413  
 Generated 11/8/2024 10:26:33 AM Revision 1

## JOB DESCRIPTION

Injection Well September 2024

## JOB NUMBER

885-11717-1

Eurofins Albuquerque  
 4901 Hawkins NE  
 Albuquerque NM 87109





# Eurofins Albuquerque

## Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

## Authorization



Authorized for release by  
Jackie Bolte, Project Manager  
[jackie.bolte@et.eurofinsus.com](mailto:jackie.bolte@et.eurofinsus.com)  
(505)345-3975

Generated  
11/8/2024 10:26:33 AM  
Revision 1

Client: Western Refining  
Project/Site: Injection Well September 2024

Laboratory Job ID: 885-11717-1



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## Definitions/Glossary

Client: Western Refining  
Project/Site: Injection Well September 2024

Job ID: 885-11717-1

## Qualifiers

## HPLC/IC

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

## Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

## General Chemistry

Qualifier	Qualifier Description
^+	Continuing Calibration Verification (CCV) is outside acceptance limits, high biased.
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
HF	Parameter with a holding time of 15 minutes. Test performed by laboratory at client's request. Sample was analyzed outside of hold time.

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

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## Case Narrative

Client: Western Refining  
Project: Injection Well September 2024

Job ID: 885-11717-1

**Job ID: 885-11717-1**

**Eurofins Albuquerque**

**Job Narrative  
885-11717-1**

### REVISION

The report being provided is a revision of the original report sent on 10/11/2024. The report (revision 1) is being revised due to Updating to add Chloroform, barium, cadmium, chromium, and silver..

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

### **Receipt**

The sample was received on 9/12/2024 7:05 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.4°C.

### **GC/MS VOA**

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

### **GC/MS Semi VOA**

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

### **Pesticides**

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

### **HPLC/IC**

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

### **Metals**

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

### **General Chemistry**

Method 9014\_ReactiveCN: The continuing calibration verification (CCV) associated with batch 570-481476 recovered above the upper control limit for reactive cyanide. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: Injection Well (885-11717-1), (CCV 570-481476/10), (LCS 570-481449/2-A), (LCSD 570-481449/3-A), (MB 570-481449/1-A), (885-11717-M-1-B DU) and (885-11717-M-1-C MS).

Method 9040B: The following sample(s) was received with less than 2 days remaining on the holding time or less than one shift (8 hours) remaining on a test with a holding time of 48 hours or less. As such, the laboratory had insufficient time remaining to perform the analysis within holding time: Injection Well (885-11717-1).

Method D1498\_00: This analysis is normally performed in the field and has a method-defined holding time of 15 minutes. The following sample has been qualified with the "HF" flag to indicate analysis was performed in the laboratory outside the 15 minute timeframe: Injection Well (885-11717-1).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Eurofins Albuquerque

## Client Sample Results

Client: Western Refining  
Project/Site: Injection Well September 2024

Job ID: 885-11717-1

## Client Sample ID: Injection Well

Lab Sample ID: 885-11717-1

Date Collected: 09/11/24 10:35

Matrix: Water

Date Received: 09/12/24 07:05

## Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<45		200	45	ug/L			09/17/24 05:50	200
Carbon tetrachloride	<35		200	35	ug/L			09/17/24 05:50	200
Chlorobenzene	<92		200	92	ug/L			09/17/24 05:50	200
1,4-Dichlorobenzene	<21		200	21	ug/L			09/17/24 05:50	200
1,2-Dichloroethane (EDC)	<60		200	60	ug/L			09/17/24 05:50	200
1,1-Dichloroethene	<40		200	40	ug/L			09/17/24 05:50	200
2-Butanone	<410		2000	410	ug/L			09/17/24 05:50	200
Tetrachloroethene (PCE)	<36		200	36	ug/L			09/17/24 05:50	200
Trichloroethene (TCE)	<41		200	41	ug/L			09/17/24 05:50	200
Vinyl chloride	<64		200	64	ug/L			09/17/24 05:50	200
Chloroform	<50		200	50	ug/L			09/17/24 05:50	200
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	91		70 - 130					09/17/24 05:50	200
Toluene-d8 (Surr)	100		70 - 130					09/17/24 05:50	200
4-Bromofluorobenzene (Surr)	98		70 - 130					09/17/24 05:50	200
Dibromofluoromethane (Surr)	101		70 - 130					09/17/24 05:50	200

## Method: SW846 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	<4.7		10	4.7	ug/L		09/13/24 07:06	10/07/24 18:42	1
3 & 4 Methylphenol	<4.9		10	4.9	ug/L		09/13/24 07:06	10/07/24 18:42	1
2,4-Dinitrotoluene	<5.0		5.0	5.0	ug/L		09/13/24 07:06	10/07/24 18:42	1
Hexachlorobenzene	<4.6		20	4.6	ug/L		09/13/24 07:06	10/07/24 18:42	1
Hexachlorobutadiene	<11		20	11	ug/L		09/13/24 07:06	10/07/24 18:42	1
Hexachloroethane	<11		20	11	ug/L		09/13/24 07:06	10/07/24 18:42	1
Nitrobenzene	<3.6		5.0	3.6	ug/L		09/13/24 07:06	10/07/24 18:42	1
Pentachlorophenol	<15		20	15	ug/L		09/13/24 07:06	10/07/24 18:42	1
Pyridine	<2.6		20	2.6	ug/L		09/13/24 07:06	10/07/24 18:42	1
2,4,5-Trichlorophenol	<5.1		10	5.1	ug/L		09/13/24 07:06	10/07/24 18:42	1
2,4,6-Trichlorophenol	<4.3		10	4.3	ug/L		09/13/24 07:06	10/07/24 18:42	1
Cresols, Total	<4.9		10	4.9	ug/L		09/13/24 07:06	10/07/24 18:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Phenol-d5 (Surr)	35		15 - 130				09/13/24 07:06	10/07/24 18:42	1
2-Fluorophenol (Surr)	46		15 - 130				09/13/24 07:06	10/07/24 18:42	1
2,4,6-Tribromophenol (Surr)	74		15 - 130				09/13/24 07:06	10/07/24 18:42	1
Nitrobenzene-d5 (Surr)	66		29 - 130				09/13/24 07:06	10/07/24 18:42	1
2-Fluorobiphenyl (Surr)	65		20 - 130				09/13/24 07:06	10/07/24 18:42	1
p-Terphenyl-d14 (Surr)	65		41 - 130				09/13/24 07:06	10/07/24 18:42	1

## Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorodane	<0.50		1.0	0.50	ug/L		09/17/24 08:31	09/30/24 12:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	87		53 - 130				09/17/24 08:31	09/30/24 12:41	1
Tetrachloro-m-xylene	79		18 - 130				09/17/24 08:31	09/30/24 12:41	1

Eurofins Albuquerque

### Client Sample Results

Client: Western Refining  
 Project/Site: Injection Well September 2024

Job ID: 885-11717-1

**Client Sample ID: Injection Well**

**Lab Sample ID: 885-11717-1**

Date Collected: 09/11/24 10:35

Matrix: Water

Date Received: 09/12/24 07:05

**Method: EPA 300.0 - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Bromide</b>	<b>0.41</b>		0.10	0.050	mg/L			09/12/24 18:36	1
Nitrate	<0.020		0.10	0.020	mg/L			09/12/24 18:36	1
Orthophosphate as P	<0.25		0.50	0.25	mg/L			09/12/24 18:36	1
<b>Chloride</b>	<b>170</b>		10	5.0	mg/L			09/12/24 19:13	20
Nitrite	<0.012		0.10	0.012	mg/L			09/12/24 18:36	1
<b>Fluoride</b>	<b>0.21</b>		0.10	0.046	mg/L			09/12/24 18:36	1
<b>Sulfate</b>	<b>36</b>		0.50	0.25	mg/L			09/12/24 18:36	1

**Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Dissolved**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Calcium</b>	<b>36</b>		0.20	0.12	mg/L		09/23/24 11:30	09/24/24 11:06	1
<b>Magnesium</b>	<b>9.5</b>		0.20	0.043	mg/L		09/23/24 11:30	09/24/24 11:06	1
<b>Potassium</b>	<b>4.9</b>		0.50	0.091	mg/L		09/23/24 11:30	09/24/24 11:06	1
<b>Sodium</b>	<b>140</b>		0.50	0.15	mg/L		09/23/24 11:30	09/24/24 11:06	1

**Method: SW846 6020A - Metals (ICP/MS) - Total Recoverable**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.0050		0.010	0.0050	mg/L		09/18/24 08:43	09/25/24 13:22	10
<b>Barium</b>	<b>0.15</b>		0.010	0.0050	mg/L		09/18/24 08:43	09/24/24 15:22	10
Cadmium	<0.0050		0.010	0.0050	mg/L		09/18/24 08:43	09/24/24 15:22	10
Chromium	<0.0050		0.010	0.0050	mg/L		09/18/24 08:43	09/24/24 15:22	10
Lead	<0.0060		0.010	0.0060	mg/L		09/18/24 08:43	09/24/24 15:22	10
Selenium	<0.0080		0.010	0.0080	mg/L		09/18/24 08:43	09/30/24 14:32	10
Silver	<0.0050		0.010	0.0050	mg/L		09/18/24 08:43	09/24/24 15:22	10

**Method: SW846 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00012		0.00020	0.00012	mg/L		09/17/24 13:13	09/18/24 15:08	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Ignitability (SW846 1010)</b>	<b>&gt;212</b>		70.0	70.0	Degrees F			09/13/24 08:30	1
<b>Total Dissolved Solids (SM 2540C)</b>	<b>550</b>		50	25	mg/L			09/17/24 17:46	1
Cyanide, Reactive (SW846 9014)	<0.25	^+	0.25	0.25	mg/L		09/16/24 13:05	09/16/24 18:45	1
Sulfide, Reactive (SW846 9034)	<50		50	50	mg/L		09/16/24 16:00	09/16/24 19:00	1
<b>pH (SW846 9040B)</b>	<b>7.8</b>	<b>H</b>	0.1	0.1	SU			09/20/24 10:18	1
<b>Oxidation Reduction Potential (ASTM D1498-00)</b>	<b>340</b>	<b>HF</b>			mV			09/19/24 12:55	1
<b>Total Alkalinity as CaCO3 (SM 2320B)</b>	<b>210</b>		20	20	mg/L			09/13/24 18:59	1
<b>Bicarbonate Alkalinity as CaCO3 (SM 2320B)</b>	<b>210</b>		20	20	mg/L			09/13/24 18:59	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<2.0		2.0	2.0	mg/L			09/13/24 18:59	1
<b>Specific Conductance (SM 2510B)</b>	<b>1000</b>		10	10	umhos/cm			09/13/24 18:59	1
<b>Specific Gravity (SM 2710F)</b>	<b>0.99</b>				NONE			09/25/24 14:27	1
<b>pH (SM 4500 H+ B)</b>	<b>8.0</b>	<b>HF</b>	0.1	0.1	SU			09/13/24 18:59	1

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### QC Sample Results

Client: Western Refining  
 Project/Site: Injection Well September 2024

Job ID: 885-11717-1

#### Method: 8260B - Volatile Organic Compounds (GC/MS)

**Lab Sample ID: MB 885-12295/1006**  
**Matrix: Water**  
**Analysis Batch: 12295**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.023		0.10	0.023	ug/L			09/16/24 12:46	1
Carbon tetrachloride	<0.018		0.10	0.018	ug/L			09/16/24 12:46	1
Chlorobenzene	<0.046		0.10	0.046	ug/L			09/16/24 12:46	1
1,4-Dichlorobenzene	<0.010		0.10	0.010	ug/L			09/16/24 12:46	1
1,2-Dichloroethane (EDC)	<0.030		0.10	0.030	ug/L			09/16/24 12:46	1
1,1-Dichloroethene	<0.020		0.10	0.020	ug/L			09/16/24 12:46	1
2-Butanone	<0.20		1.0	0.20	ug/L			09/16/24 12:46	1
Tetrachloroethene (PCE)	<0.018		0.10	0.018	ug/L			09/16/24 12:46	1
Trichloroethene (TCE)	<0.020		0.10	0.020	ug/L			09/16/24 12:46	1
Vinyl chloride	<0.032		0.10	0.032	ug/L			09/16/24 12:46	1
Chloroform	<0.025		0.10	0.025	ug/L			09/16/24 12:46	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	90		70 - 130		09/16/24 12:46	1
Toluene-d8 (Surr)	100		70 - 130		09/16/24 12:46	1
4-Bromofluorobenzene (Surr)	99		70 - 130		09/16/24 12:46	1
Dibromofluoromethane (Surr)	102		70 - 130		09/16/24 12:46	1

**Lab Sample ID: MB 885-12295/36**  
**Matrix: Water**  
**Analysis Batch: 12295**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.23		1.0	0.23	ug/L			09/17/24 00:58	1
Carbon tetrachloride	<0.18		1.0	0.18	ug/L			09/17/24 00:58	1
Chlorobenzene	<0.46		1.0	0.46	ug/L			09/17/24 00:58	1
1,4-Dichlorobenzene	<0.10		1.0	0.10	ug/L			09/17/24 00:58	1
1,2-Dichloroethane (EDC)	<0.30		1.0	0.30	ug/L			09/17/24 00:58	1
1,1-Dichloroethene	<0.20		1.0	0.20	ug/L			09/17/24 00:58	1
2-Butanone	<2.0		10	2.0	ug/L			09/17/24 00:58	1
Tetrachloroethene (PCE)	<0.18		1.0	0.18	ug/L			09/17/24 00:58	1
Trichloroethene (TCE)	<0.20		1.0	0.20	ug/L			09/17/24 00:58	1
Vinyl chloride	<0.32		1.0	0.32	ug/L			09/17/24 00:58	1
Chloroform	<0.25		1.0	0.25	ug/L			09/17/24 00:58	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	93		70 - 130		09/17/24 00:58	1
Toluene-d8 (Surr)	101		70 - 130		09/17/24 00:58	1
4-Bromofluorobenzene (Surr)	99		70 - 130		09/17/24 00:58	1
Dibromofluoromethane (Surr)	105		70 - 130		09/17/24 00:58	1

**Lab Sample ID: LCS 885-12295/35**  
**Matrix: Water**  
**Analysis Batch: 12295**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	20.1	25.9		ug/L		129	70 - 130
Chlorobenzene	20.1	23.8		ug/L		118	70 - 130

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### QC Sample Results

Client: Western Refining  
 Project/Site: Injection Well September 2024

Job ID: 885-11717-1

#### Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 885-12295/35  
 Matrix: Water  
 Analysis Batch: 12295

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1-Dichloroethene	20.1	23.9		ug/L		119	70 - 130
Trichloroethene (TCE)	20.2	24.7		ug/L		123	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	94		70 - 130
Toluene-d8 (Surr)	101		70 - 130
4-Bromofluorobenzene (Surr)	101		70 - 130
Dibromofluoromethane (Surr)	107		70 - 130

#### Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: LCS 885-12159/2-A  
 Matrix: Water  
 Analysis Batch: 13140

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 12159

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2,4-Dinitrotoluene	100	43.5		ug/L		44	38 - 130
Pentachlorophenol	200	102		ug/L		51	15 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Phenol-d5 (Surr)	34		15 - 130
2-Fluorophenol (Surr)	43		15 - 130
2,4,6-Tribromophenol (Surr)	62		15 - 130
Nitrobenzene-d5 (Surr)	57		29 - 130
2-Fluorobiphenyl (Surr)	52		20 - 130
p-Terphenyl-d14 (Surr)	69		41 - 130

Lab Sample ID: LCSD 885-12159/3-A  
 Matrix: Water  
 Analysis Batch: 13140

Client Sample ID: Lab Control Sample Dup  
 Prep Type: Total/NA  
 Prep Batch: 12159

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,4-Dinitrotoluene	100	44.2		ug/L		44	38 - 130	1	39
Pentachlorophenol	200	85.9		ug/L		43	15 - 130	17	55

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Phenol-d5 (Surr)	35		15 - 130
2-Fluorophenol (Surr)	43		15 - 130
2,4,6-Tribromophenol (Surr)	63		15 - 130
Nitrobenzene-d5 (Surr)	58		29 - 130
2-Fluorobiphenyl (Surr)	52		20 - 130
p-Terphenyl-d14 (Surr)	77		41 - 130

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### QC Sample Results

Client: Western Refining  
 Project/Site: Injection Well September 2024

Job ID: 885-11717-1

#### Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 885-12345/1-A  
 Matrix: Water  
 Analysis Batch: 13267

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 12345

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorodane	<0.50		1.0	0.50	ug/L		09/17/24 08:31	09/30/24 12:03	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	118		53 - 130				09/17/24 08:31	09/30/24 12:03	1
Tetrachloro-m-xylene	87		18 - 130				09/17/24 08:31	09/30/24 12:03	1

Lab Sample ID: LCS 885-12345/2-A  
 Matrix: Water  
 Analysis Batch: 13267

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 12345

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	110		53 - 130
Tetrachloro-m-xylene	85		18 - 130

Lab Sample ID: LCSD 885-12345/3-A  
 Matrix: Water  
 Analysis Batch: 13267

Client Sample ID: Lab Control Sample Dup  
 Prep Type: Total/NA  
 Prep Batch: 12345

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	112		53 - 130
Tetrachloro-m-xylene	82		18 - 130

#### Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-12162/4  
 Matrix: Water  
 Analysis Batch: 12162

Client Sample ID: Method Blank  
 Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	<0.050		0.10	0.050	mg/L			09/12/24 16:07	1
Chloride	<0.25		0.50	0.25	mg/L			09/12/24 16:07	1
Fluoride	<0.046		0.10	0.046	mg/L			09/12/24 16:07	1
Sulfate	<0.25		0.50	0.25	mg/L			09/12/24 16:07	1

Lab Sample ID: LCS 885-12162/5  
 Matrix: Water  
 Analysis Batch: 12162

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromide	2.50	2.35		mg/L		94	90 - 110
Chloride	5.00	4.70		mg/L		94	90 - 110
Fluoride	0.500	0.487		mg/L		97	90 - 110
Sulfate	10.0	9.10		mg/L		91	90 - 110

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### QC Sample Results

Client: Western Refining  
 Project/Site: Injection Well September 2024

Job ID: 885-11717-1

#### Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MRL 885-12162/3  
 Matrix: Water  
 Analysis Batch: 12162

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Bromide	0.100	0.0961	J	mg/L		96	50 - 150
Chloride	0.500	0.512		mg/L		102	50 - 150
Fluoride	0.100	0.100		mg/L		100	50 - 150
Sulfate	0.500	0.500		mg/L		100	50 - 150

Lab Sample ID: 885-11717-1 MS  
 Matrix: Water  
 Analysis Batch: 12162

Client Sample ID: Injection Well  
 Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Bromide	0.41		2.50	2.75		mg/L		94	80 - 120
Fluoride	0.21		0.500	0.699		mg/L		97	70 - 130
Sulfate	36		10.0	45.5		mg/L		98	80 - 120

Lab Sample ID: 885-11717-1 MSD  
 Matrix: Water  
 Analysis Batch: 12162

Client Sample ID: Injection Well  
 Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Bromide	0.41		2.50	2.74		mg/L		94	80 - 120	0	20
Fluoride	0.21		0.500	0.697		mg/L		96	70 - 130	0	20
Sulfate	36		10.0	45.5		mg/L		97	80 - 120	0	20

Lab Sample ID: MB 885-12164/4  
 Matrix: Water  
 Analysis Batch: 12164

Client Sample ID: Method Blank  
 Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate	<0.020		0.10	0.020	mg/L			09/12/24 16:07	1
Orthophosphate as P	<0.25		0.50	0.25	mg/L			09/12/24 16:07	1
Nitrite	<0.012		0.10	0.012	mg/L			09/12/24 16:07	1

Lab Sample ID: LCS 885-12164/5  
 Matrix: Water  
 Analysis Batch: 12164

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate	2.50	2.46		mg/L		99	90 - 110
Orthophosphate as P	5.00	4.54		mg/L		91	90 - 110
Nitrite	1.00	0.914		mg/L		91	90 - 110

Lab Sample ID: MRL 885-12164/3  
 Matrix: Water  
 Analysis Batch: 12164

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate	0.100	0.0964	J	mg/L		96	50 - 150
Orthophosphate as P	0.500	0.506		mg/L		101	50 - 150
Nitrite	0.0999	0.0999	J	mg/L		100	50 - 150

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### QC Sample Results

Client: Western Refining  
 Project/Site: Injection Well September 2024

Job ID: 885-11717-1

#### Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 885-11717-1 MS  
 Matrix: Water  
 Analysis Batch: 12164

Client Sample ID: Injection Well  
 Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate	<0.020		2.50	2.44		mg/L		98	80 - 120
Nitrate	<0.020		2.50	2.44		mg/L		98	80 - 120
Orthophosphate as P	<0.25		5.00	4.54		mg/L		91	80 - 120
Orthophosphate as P	<0.25		5.00	4.54		mg/L		91	80 - 120

Lab Sample ID: 885-11717-1 MSD  
 Matrix: Water  
 Analysis Batch: 12164

Client Sample ID: Injection Well  
 Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate	<0.020		2.50	2.44		mg/L		97	80 - 120	0	20
Nitrate	<0.020		2.50	2.44		mg/L		97	80 - 120	0	20
Orthophosphate as P	<0.25		5.00	4.57		mg/L		91	80 - 120	1	20
Orthophosphate as P	<0.25		5.00	4.57		mg/L		91	80 - 120	1	20

#### Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MB 860-188922/1-A  
 Matrix: Water  
 Analysis Batch: 189202

Client Sample ID: Method Blank  
 Prep Type: Total Recoverable  
 Prep Batch: 188922

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	<0.12		0.20	0.12	mg/L		09/23/24 11:30	09/24/24 10:16	1
Magnesium	<0.043		0.20	0.043	mg/L		09/23/24 11:30	09/24/24 10:16	1
Potassium	<0.091		0.50	0.091	mg/L		09/23/24 11:30	09/24/24 10:16	1
Sodium	<0.15		0.50	0.15	mg/L		09/23/24 11:30	09/24/24 10:16	1

Lab Sample ID: LCS 860-188922/2-A  
 Matrix: Water  
 Analysis Batch: 189202

Client Sample ID: Lab Control Sample  
 Prep Type: Total Recoverable  
 Prep Batch: 188922

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	25.0	24.9		mg/L		100	85 - 115
Magnesium	25.0	24.9		mg/L		100	85 - 115
Potassium	10.0	9.79		mg/L		98	85 - 115
Sodium	25.0	24.5		mg/L		98	85 - 115

Lab Sample ID: LCSD 860-188922/3-A  
 Matrix: Water  
 Analysis Batch: 189202

Client Sample ID: Lab Control Sample Dup  
 Prep Type: Total Recoverable  
 Prep Batch: 188922

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Calcium	25.0	24.9		mg/L		100	85 - 115	0	20
Magnesium	25.0	24.9		mg/L		100	85 - 115	0	20
Potassium	10.0	9.79		mg/L		98	85 - 115	0	20
Sodium	25.0	24.5		mg/L		98	85 - 115	0	20

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### QC Sample Results

Client: Western Refining  
 Project/Site: Injection Well September 2024

Job ID: 885-11717-1

#### Method: 200.7 Rev 4.4 - Metals (ICP) (Continued)

Lab Sample ID: LLCS 860-188922/4-A  
 Matrix: Water  
 Analysis Batch: 189202

Client Sample ID: Lab Control Sample  
 Prep Type: Total Recoverable  
 Prep Batch: 188922

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	0.200	0.189	J	mg/L		95	50 - 150
Magnesium	0.200	0.195	J	mg/L		98	50 - 150
Potassium	0.500	0.421	J	mg/L		84	50 - 150
Sodium	0.500	0.564		mg/L		113	50 - 150

#### Method: 6020A - Metals (ICP/MS)

Lab Sample ID: MRL 885-12990/14  
 Matrix: Water  
 Analysis Batch: 12990

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Barium	0.00100	0.00110		mg/L		110	70 - 130
Cadmium	0.00100	0.00126		mg/L		126	70 - 130
Chromium	0.00100	0.00111		mg/L		111	70 - 130
Lead	0.00100	0.00101		mg/L		101	70 - 130
Silver	0.00100	0.00104		mg/L		104	70 - 130

Lab Sample ID: MRL 885-13065/9  
 Matrix: Water  
 Analysis Batch: 13065

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.00100	0.00105		mg/L		105	70 - 130
Barium	0.00100	0.00107		mg/L		107	70 - 130
Cadmium	0.00100	0.00114		mg/L		114	70 - 130
Chromium	0.00100	0.00113		mg/L		113	70 - 130
Lead	0.00100	0.00104		mg/L		104	70 - 130
Selenium	0.00100	0.000817	J	mg/L		82	70 - 130
Silver	0.00100	0.00111		mg/L		111	70 - 130

Lab Sample ID: MRL 885-13327/14  
 Matrix: Water  
 Analysis Batch: 13327

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Barium	0.00100	0.00105		mg/L		105	70 - 130
Cadmium	0.00100	0.00114		mg/L		114	70 - 130
Lead	0.00100	0.00118		mg/L		118	70 - 130
Selenium	0.00100	<0.00080		mg/L		79	70 - 130
Silver	0.00100	0.00104		mg/L		104	70 - 130

Lab Sample ID: MB 885-12439/1-A  
 Matrix: Water  
 Analysis Batch: 12990

Client Sample ID: Method Blank  
 Prep Type: Total Recoverable  
 Prep Batch: 12439

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	<0.0025		0.0050	0.0025	mg/L		09/18/24 08:43	09/24/24 13:10	5
Cadmium	<0.0025		0.0050	0.0025	mg/L		09/18/24 08:43	09/24/24 13:10	5
Chromium	<0.0025		0.0050	0.0025	mg/L		09/18/24 08:43	09/24/24 13:10	5

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### QC Sample Results

Client: Western Refining  
 Project/Site: Injection Well September 2024

Job ID: 885-11717-1

#### Method: 6020A - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 885-12439/1-A  
 Matrix: Water  
 Analysis Batch: 12990

Client Sample ID: Method Blank  
 Prep Type: Total Recoverable  
 Prep Batch: 12439

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.0030		0.0050	0.0030	mg/L		09/18/24 08:43	09/24/24 13:10	5
Silver	<0.0025		0.0050	0.0025	mg/L		09/18/24 08:43	09/24/24 13:10	5

Lab Sample ID: LCS 885-12439/3-A  
 Matrix: Water  
 Analysis Batch: 12990

Client Sample ID: Lab Control Sample  
 Prep Type: Total Recoverable  
 Prep Batch: 12439

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Barium	0.0500	0.0484		mg/L		97	80 - 120
Cadmium	0.0500	0.0494		mg/L		99	80 - 120
Chromium	0.0500	0.0499		mg/L		100	80 - 120
Lead	0.0500	0.0490		mg/L		98	80 - 120
Silver	0.0250	0.0240		mg/L		96	80 - 120

Lab Sample ID: MB 885-12779/1-A  
 Matrix: Water  
 Analysis Batch: 13065

Client Sample ID: Method Blank  
 Prep Type: Total Recoverable  
 Prep Batch: 12779

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.0025		0.0050	0.0025	mg/L		09/23/24 13:27	09/25/24 12:31	5

Lab Sample ID: MB 885-12779/1-A  
 Matrix: Water  
 Analysis Batch: 13065

Client Sample ID: Method Blank  
 Prep Type: Total Recoverable  
 Prep Batch: 12779

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	<0.0040		0.0050	0.0040	mg/L		09/23/24 13:27	09/25/24 15:08	5

Lab Sample ID: LCS 885-12779/5-A  
 Matrix: Water  
 Analysis Batch: 13065

Client Sample ID: Lab Control Sample  
 Prep Type: Total Recoverable  
 Prep Batch: 12779

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.0500	0.0491		mg/L		98	80 - 120

Lab Sample ID: LCS 885-12779/5-A  
 Matrix: Water  
 Analysis Batch: 13065

Client Sample ID: Lab Control Sample  
 Prep Type: Total Recoverable  
 Prep Batch: 12779

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Selenium	0.0500	0.0588		mg/L		118	80 - 120

#### Method: 7470A - Mercury (CVAA)

Lab Sample ID: MRL 885-12405/31-A  
 Matrix: Water  
 Analysis Batch: 12509

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 12405

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.000150	0.000128	J	mg/L		86	50 - 150

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### QC Sample Results

Client: Western Refining  
 Project/Site: Injection Well September 2024

Job ID: 885-11717-1

#### Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: MB 885-12406/1-A  
 Matrix: Water  
 Analysis Batch: 12509

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 12406

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00012		0.00020	0.00012	mg/L		09/17/24 13:12	09/18/24 14:03	1

Lab Sample ID: LCS 885-12406/3-A  
 Matrix: Water  
 Analysis Batch: 12509

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 12406

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00500	0.00516		mg/L		103	85 - 115

Lab Sample ID: LLCS 885-12406/2-A  
 Matrix: Water  
 Analysis Batch: 12509

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 12406

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.000150	<0.00012		mg/L		73	50 - 150

Lab Sample ID: 885-11717-1 MS  
 Matrix: Water  
 Analysis Batch: 12509

Client Sample ID: Injection Well  
 Prep Type: Total/NA  
 Prep Batch: 12406

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	<0.00012		0.00500	0.00460		mg/L		92	75 - 125

Lab Sample ID: 885-11717-1 MSD  
 Matrix: Water  
 Analysis Batch: 12509

Client Sample ID: Injection Well  
 Prep Type: Total/NA  
 Prep Batch: 12406

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	<0.00012		0.00500	0.00466		mg/L		93	75 - 125	1	20

#### Method: 1010 - Ignitability, Pensky-Martens Closed-Cup Method

Lab Sample ID: LCSSRM 570-480473/1  
 Matrix: Water  
 Analysis Batch: 480473

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Ignitability	81.0	84.00		Degrees F		103.7	95.1 - 104.9

Lab Sample ID: LCSSRM 570-480473/2  
 Matrix: Water  
 Analysis Batch: 480473

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Ignitability	81.0	84.00		Degrees F		103.7	95.1 - 104.9

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### QC Sample Results

Client: Western Refining  
 Project/Site: Injection Well September 2024

Job ID: 885-11717-1

#### Method: 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 885-12431/1  
 Matrix: Water  
 Analysis Batch: 12431

Client Sample ID: Method Blank  
 Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<25		50	25	mg/L			09/17/24 17:46	1

Lab Sample ID: LCS 885-12431/2  
 Matrix: Water  
 Analysis Batch: 12431

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	1000	1020		mg/L		101	80 - 120

#### Method: 9014 - Cyanide, Reactive

Lab Sample ID: MB 570-481449/1-A  
 Matrix: Water  
 Analysis Batch: 481476

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 481449

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Reactive	<0.25	^+	0.25	0.25	mg/L		09/16/24 13:05	09/16/24 18:41	1

Lab Sample ID: LCS 570-481449/2-A  
 Matrix: Water  
 Analysis Batch: 481476

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 481449

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Reactive	0.500	<0.25	^+	mg/L		48	2 - 150

Lab Sample ID: LCSD 570-481449/3-A  
 Matrix: Water  
 Analysis Batch: 481476

Client Sample ID: Lab Control Sample Dup  
 Prep Type: Total/NA  
 Prep Batch: 481449

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cyanide, Reactive	0.500	0.258	^+	mg/L		52	2 - 150	6	20

Lab Sample ID: 885-11717-1 MS  
 Matrix: Water  
 Analysis Batch: 481476

Client Sample ID: Injection Well  
 Prep Type: Total/NA  
 Prep Batch: 481449

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Reactive	<0.25	^+	0.500	0.342	^+	mg/L		68	2 - 150

Lab Sample ID: 885-11717-1 DU  
 Matrix: Water  
 Analysis Batch: 481476

Client Sample ID: Injection Well  
 Prep Type: Total/NA  
 Prep Batch: 481449

Analyte	Sample Result	Sample Qualifier	Spike Added	DU Result	DU Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cyanide, Reactive	<0.25	^+	0.500	<0.25	^+	mg/L				NC	25

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### QC Sample Results

Client: Western Refining  
 Project/Site: Injection Well September 2024

Job ID: 885-11717-1

#### Method: 9034 - Sulfide, Reactive

Lab Sample ID: MB 570-481486/1-A  
 Matrix: Water  
 Analysis Batch: 481496

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 481486

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide, Reactive	<50		50	50	mg/L		09/16/24 16:00	09/16/24 19:00	1

Lab Sample ID: LCS 570-481486/2-A  
 Matrix: Water  
 Analysis Batch: 481496

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 481486

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfide, Reactive	500	200		mg/L		40	0 - 120

Lab Sample ID: LCSD 570-481486/3-A  
 Matrix: Water  
 Analysis Batch: 481496

Client Sample ID: Lab Control Sample Dup  
 Prep Type: Total/NA  
 Prep Batch: 481486

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfide, Reactive	500	204		mg/L		41	0 - 120	2	20

#### Method: D1498-00 - Oxidation-Reduction Potential

Lab Sample ID: 885-11717-1 DU  
 Matrix: Water  
 Analysis Batch: 482681

Client Sample ID: Injection Well  
 Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Oxidation Reduction Potential	340	HF	338		mV		0.6	25

#### Method: SM 2320B - Alkalinity

Lab Sample ID: MB 885-12386/2  
 Matrix: Water  
 Analysis Batch: 12386

Client Sample ID: Method Blank  
 Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3	<20		20	20	mg/L			09/13/24 15:13	1
Bicarbonate Alkalinity as CaCO3	<20		20	20	mg/L			09/13/24 15:13	1
Carbonate Alkalinity as CaCO3	<2.0		2.0	2.0	mg/L			09/13/24 15:13	1

Lab Sample ID: LCS 885-12386/3  
 Matrix: Water  
 Analysis Batch: 12386

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Alkalinity as CaCO3	84.8	77.1		mg/L		91	90 - 110

Lab Sample ID: MRL 885-12386/1  
 Matrix: Water  
 Analysis Batch: 12386

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Total Alkalinity as CaCO3	21.2	23.0		mg/L		109	50 - 150

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### QC Sample Results

Client: Western Refining  
 Project/Site: Injection Well September 2024

Job ID: 885-11717-1

#### Method: SM 2320B - Alkalinity (Continued)

Lab Sample ID: MB 885-12482/2  
 Matrix: Water  
 Analysis Batch: 12482

Client Sample ID: Method Blank  
 Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3	<20		20	20	mg/L			09/17/24 15:05	1
Bicarbonate Alkalinity as CaCO3	<20		20	20	mg/L			09/17/24 15:05	1
Carbonate Alkalinity as CaCO3	<2.0		2.0	2.0	mg/L			09/17/24 15:05	1

Lab Sample ID: LCS 885-12482/3  
 Matrix: Water  
 Analysis Batch: 12482

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Alkalinity as CaCO3	84.8	78.0		mg/L		92	90 - 110

Lab Sample ID: MRL 885-12482/1  
 Matrix: Water  
 Analysis Batch: 12482

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Total Alkalinity as CaCO3	21.2	25.6		mg/L		121	50 - 150

#### Method: SM 2510B - Conductivity, Specific Conductance

Lab Sample ID: LCS 885-12387/4  
 Matrix: Water  
 Analysis Batch: 12387

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Specific Conductance	99.2	102		umhos/cm		103	85 - 115

Lab Sample ID: MRL 885-12387/3  
 Matrix: Water  
 Analysis Batch: 12387

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Specific Conductance	9.92	<10		umhos/cm		96	50 - 150

Lab Sample ID: LCS 885-12483/4  
 Matrix: Water  
 Analysis Batch: 12483

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Specific Conductance	99.2	101		umhos/cm		101	85 - 115

Lab Sample ID: MRL 885-12483/3  
 Matrix: Water  
 Analysis Batch: 12483

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Specific Conductance	9.92	<10		umhos/cm		96	50 - 150

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### QC Sample Results

Client: Western Refining  
Project/Site: Injection Well September 2024

Job ID: 885-11717-1

#### Method: SM 2710F - Specific Gravity

Lab Sample ID: MB 885-13022/1  
Matrix: Water  
Analysis Batch: 13022

Client Sample ID: Method Blank  
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Gravity	0.999				NONE			09/25/24 14:27	1

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11

## QC Association Summary

Client: Western Refining  
Project/Site: Injection Well September 2024

Job ID: 885-11717-1

## GC/MS VOA

## Analysis Batch: 12295

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11717-1	Injection Well	Total/NA	Water	8260B	
MB 885-12295/1006	Method Blank	Total/NA	Water	8260B	
MB 885-12295/36	Method Blank	Total/NA	Water	8260B	
LCS 885-12295/35	Lab Control Sample	Total/NA	Water	8260B	

## GC/MS Semi VOA

## Prep Batch: 12159

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11717-1	Injection Well	Total/NA	Water	3510C	
LCS 885-12159/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 885-12159/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

## Analysis Batch: 13140

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11717-1	Injection Well	Total/NA	Water	8270C	12159
LCS 885-12159/2-A	Lab Control Sample	Total/NA	Water	8270C	12159
LCSD 885-12159/3-A	Lab Control Sample Dup	Total/NA	Water	8270C	12159

## GC Semi VOA

## Prep Batch: 12345

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11717-1	Injection Well	Total/NA	Water	3510C	
MB 885-12345/1-A	Method Blank	Total/NA	Water	3510C	
LCS 885-12345/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 885-12345/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

## Analysis Batch: 13267

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11717-1	Injection Well	Total/NA	Water	8081B	12345
MB 885-12345/1-A	Method Blank	Total/NA	Water	8081B	12345
LCS 885-12345/2-A	Lab Control Sample	Total/NA	Water	8081B	12345
LCSD 885-12345/3-A	Lab Control Sample Dup	Total/NA	Water	8081B	12345

## HPLC/IC

## Analysis Batch: 12162

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11717-1	Injection Well	Total/NA	Water	300.0	
885-11717-1	Injection Well	Total/NA	Water	300.0	
MB 885-12162/4	Method Blank	Total/NA	Water	300.0	
LCS 885-12162/5	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-12162/3	Lab Control Sample	Total/NA	Water	300.0	
885-11717-1 MS	Injection Well	Total/NA	Water	300.0	
885-11717-1 MSD	Injection Well	Total/NA	Water	300.0	

## Analysis Batch: 12164

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11717-1	Injection Well	Total/NA	Water	300.0	
MB 885-12164/4	Method Blank	Total/NA	Water	300.0	
LCS 885-12164/5	Lab Control Sample	Total/NA	Water	300.0	

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### QC Association Summary

Client: Western Refining  
 Project/Site: Injection Well September 2024

Job ID: 885-11717-1

#### HPLC/IC (Continued)

##### Analysis Batch: 12164 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MRL 885-12164/3	Lab Control Sample	Total/NA	Water	300.0	
885-11717-1 MS	Injection Well	Total/NA	Water	300.0	
885-11717-1 MSD	Injection Well	Total/NA	Water	300.0	

#### Metals

##### Prep Batch: 12405

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MRL 885-12405/31-A	Lab Control Sample	Total/NA	Water	245.1	

##### Prep Batch: 12406

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11717-1	Injection Well	Total/NA	Water	7470A	
MB 885-12406/1-A	Method Blank	Total/NA	Water	7470A	
LCS 885-12406/3-A	Lab Control Sample	Total/NA	Water	7470A	
LLCS 885-12406/2-A	Lab Control Sample	Total/NA	Water	7470A	
885-11717-1 MS	Injection Well	Total/NA	Water	7470A	
885-11717-1 MSD	Injection Well	Total/NA	Water	7470A	

##### Prep Batch: 12439

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11717-1	Injection Well	Total Recoverable	Water	3005A	
MB 885-12439/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 885-12439/3-A	Lab Control Sample	Total Recoverable	Water	3005A	

##### Analysis Batch: 12509

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11717-1	Injection Well	Total/NA	Water	7470A	12406
MB 885-12406/1-A	Method Blank	Total/NA	Water	7470A	12406
LCS 885-12406/3-A	Lab Control Sample	Total/NA	Water	7470A	12406
LLCS 885-12406/2-A	Lab Control Sample	Total/NA	Water	7470A	12406
MRL 885-12405/31-A	Lab Control Sample	Total/NA	Water	7470A	12405
885-11717-1 MS	Injection Well	Total/NA	Water	7470A	12406
885-11717-1 MSD	Injection Well	Total/NA	Water	7470A	12406

##### Prep Batch: 12779

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 885-12779/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 885-12779/5-A	Lab Control Sample	Total Recoverable	Water	3005A	

##### Analysis Batch: 12990

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11717-1	Injection Well	Total Recoverable	Water	6020A	12439
MB 885-12439/1-A	Method Blank	Total Recoverable	Water	6020A	12439
LCS 885-12439/3-A	Lab Control Sample	Total Recoverable	Water	6020A	12439
MRL 885-12990/14	Lab Control Sample	Total/NA	Water	6020A	

##### Analysis Batch: 13065

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11717-1	Injection Well	Total Recoverable	Water	6020A	12439
MB 885-12779/1-A	Method Blank	Total Recoverable	Water	6020A	12779

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## QC Association Summary

Client: Western Refining  
Project/Site: Injection Well September 2024

Job ID: 885-11717-1

## Metals (Continued)

## Analysis Batch: 13065 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 885-12779/1-A	Method Blank	Total Recoverable	Water	6020A	12779
LCS 885-12779/5-A	Lab Control Sample	Total Recoverable	Water	6020A	12779
LCS 885-12779/5-A	Lab Control Sample	Total Recoverable	Water	6020A	12779
MRL 885-13065/9	Lab Control Sample	Total/NA	Water	6020A	

## Analysis Batch: 13327

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11717-1	Injection Well	Total Recoverable	Water	6020A	12439
MRL 885-13327/14	Lab Control Sample	Total/NA	Water	6020A	

## Prep Batch: 188922

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11717-1	Injection Well	Dissolved	Water	200.7	
MB 860-188922/1-A	Method Blank	Total Recoverable	Water	200.7	
LCS 860-188922/2-A	Lab Control Sample	Total Recoverable	Water	200.7	
LCSD 860-188922/3-A	Lab Control Sample Dup	Total Recoverable	Water	200.7	
LLCS 860-188922/4-A	Lab Control Sample	Total Recoverable	Water	200.7	

## Analysis Batch: 189202

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11717-1	Injection Well	Dissolved	Water	200.7 Rev 4.4	188922
MB 860-188922/1-A	Method Blank	Total Recoverable	Water	200.7 Rev 4.4	188922
LCS 860-188922/2-A	Lab Control Sample	Total Recoverable	Water	200.7 Rev 4.4	188922
LCSD 860-188922/3-A	Lab Control Sample Dup	Total Recoverable	Water	200.7 Rev 4.4	188922
LLCS 860-188922/4-A	Lab Control Sample	Total Recoverable	Water	200.7 Rev 4.4	188922

## General Chemistry

## Analysis Batch: 12386

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11717-1	Injection Well	Total/NA	Water	SM 2320B	
MB 885-12386/2	Method Blank	Total/NA	Water	SM 2320B	
LCS 885-12386/3	Lab Control Sample	Total/NA	Water	SM 2320B	
MRL 885-12386/1	Lab Control Sample	Total/NA	Water	SM 2320B	

## Analysis Batch: 12387

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11717-1	Injection Well	Total/NA	Water	SM 2510B	
LCS 885-12387/4	Lab Control Sample	Total/NA	Water	SM 2510B	
MRL 885-12387/3	Lab Control Sample	Total/NA	Water	SM 2510B	

## Analysis Batch: 12388

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11717-1	Injection Well	Total/NA	Water	SM 4500 H+ B	

## Analysis Batch: 12431

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11717-1	Injection Well	Total/NA	Water	2540C	
MB 885-12431/1	Method Blank	Total/NA	Water	2540C	
LCS 885-12431/2	Lab Control Sample	Total/NA	Water	2540C	

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### QC Association Summary

Client: Western Refining  
 Project/Site: Injection Well September 2024

Job ID: 885-11717-1

#### General Chemistry

##### Analysis Batch: 12482

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 885-12482/2	Method Blank	Total/NA	Water	SM 2320B	
LCS 885-12482/3	Lab Control Sample	Total/NA	Water	SM 2320B	
MRL 885-12482/1	Lab Control Sample	Total/NA	Water	SM 2320B	

##### Analysis Batch: 12483

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 885-12483/4	Lab Control Sample	Total/NA	Water	SM 2510B	
MRL 885-12483/3	Lab Control Sample	Total/NA	Water	SM 2510B	

##### Analysis Batch: 13022

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11717-1	Injection Well	Total/NA	Water	SM 2710F	
MB 885-13022/1	Method Blank	Total/NA	Water	SM 2710F	

##### Analysis Batch: 480473

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11717-1	Injection Well	Total/NA	Water	1010	
LCS SRM 570-480473/1	Lab Control Sample	Total/NA	Water	1010	
LCS SRM 570-480473/2	Lab Control Sample	Total/NA	Water	1010	

##### Prep Batch: 481449

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11717-1	Injection Well	Total/NA	Water	7.3.3	
MB 570-481449/1-A	Method Blank	Total/NA	Water	7.3.3	
LCS 570-481449/2-A	Lab Control Sample	Total/NA	Water	7.3.3	
LCSD 570-481449/3-A	Lab Control Sample Dup	Total/NA	Water	7.3.3	
885-11717-1 MS	Injection Well	Total/NA	Water	7.3.3	
885-11717-1 DU	Injection Well	Total/NA	Water	7.3.3	

##### Analysis Batch: 481476

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11717-1	Injection Well	Total/NA	Water	9014	481449
MB 570-481449/1-A	Method Blank	Total/NA	Water	9014	481449
LCS 570-481449/2-A	Lab Control Sample	Total/NA	Water	9014	481449
LCSD 570-481449/3-A	Lab Control Sample Dup	Total/NA	Water	9014	481449
885-11717-1 MS	Injection Well	Total/NA	Water	9014	481449
885-11717-1 DU	Injection Well	Total/NA	Water	9014	481449

##### Prep Batch: 481486

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11717-1	Injection Well	Total/NA	Water	7.3.4	
MB 570-481486/1-A	Method Blank	Total/NA	Water	7.3.4	
LCS 570-481486/2-A	Lab Control Sample	Total/NA	Water	7.3.4	
LCSD 570-481486/3-A	Lab Control Sample Dup	Total/NA	Water	7.3.4	

##### Analysis Batch: 481496

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11717-1	Injection Well	Total/NA	Water	9034	481486
MB 570-481486/1-A	Method Blank	Total/NA	Water	9034	481486
LCS 570-481486/2-A	Lab Control Sample	Total/NA	Water	9034	481486
LCSD 570-481486/3-A	Lab Control Sample Dup	Total/NA	Water	9034	481486

Eurofins Albuquerque

# QC Association Summary

Client: Western Refining  
Project/Site: Injection Well September 2024

Job ID: 885-11717-1

## General Chemistry

### Analysis Batch: 482681

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11717-1	Injection Well	Total/NA	Water	D1498-00	
885-11717-1 DU	Injection Well	Total/NA	Water	D1498-00	

### Analysis Batch: 483047

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11717-1	Injection Well	Total/NA	Water	9040B	

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# Lab Chronicle

Client: Western Refining  
 Project/Site: Injection Well September 2024

Job ID: 885-11717-1

**Client Sample ID: Injection Well**

**Lab Sample ID: 885-11717-1**

**Date Collected: 09/11/24 10:35**

**Matrix: Water**

**Date Received: 09/12/24 07:05**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		200	12295	CM	EET ALB	09/17/24 05:50
Total/NA	Prep	3510C			12159	JM	EET ALB	09/13/24 07:06
Total/NA	Analysis	8270C		1	13140	MB	EET ALB	10/07/24 18:42
Total/NA	Prep	3510C			12345	JM	EET ALB	09/17/24 08:31
Total/NA	Analysis	8081B		1	13267	MB	EET ALB	09/30/24 12:41
Total/NA	Analysis	300.0		1	12162	RC	EET ALB	09/12/24 18:36
Total/NA	Analysis	300.0		1	12164	RC	EET ALB	09/12/24 18:36
Total/NA	Analysis	300.0		20	12162	RC	EET ALB	09/12/24 19:13
Dissolved	Prep	200.7			188922	MD	EET HOU	09/23/24 11:30
Dissolved	Analysis	200.7 Rev 4.4		1	189202	JDM	EET HOU	09/24/24 11:06
Total Recoverable	Prep	3005A			12439	JE	EET ALB	09/18/24 08:43
Total Recoverable	Analysis	6020A		10	12990	BV	EET ALB	09/24/24 15:22
Total Recoverable	Prep	3005A			12439	JE	EET ALB	09/18/24 08:43
Total Recoverable	Analysis	6020A		10	13065	BV	EET ALB	09/25/24 13:22
Total Recoverable	Prep	3005A			12439	JE	EET ALB	09/18/24 08:43
Total Recoverable	Analysis	6020A		10	13327	BV	EET ALB	09/30/24 14:32
Total/NA	Prep	7470A			12406	JR	EET ALB	09/17/24 13:13
Total/NA	Analysis	7470A		1	12509	JR	EET ALB	09/18/24 15:08
Total/NA	Analysis	1010		1	480473	UXCH	EET CAL 4	09/13/24 08:30
Total/NA	Analysis	2540C		1	12431	KS	EET ALB	09/17/24 17:46
Total/NA	Prep	7.3.3			481449	UAPD	EET CAL 4	09/16/24 13:05
Total/NA	Analysis	9014		1	481476	UAPD	EET CAL 4	09/16/24 18:45
Total/NA	Prep	7.3.4			481486	UAPD	EET CAL 4	09/16/24 16:00
Total/NA	Analysis	9034		1	481496	UAPD	EET CAL 4	09/16/24 19:00
Total/NA	Analysis	9040B		1	483047	DL2G	EET CAL 4	09/20/24 10:18
Total/NA	Analysis	D1498-00		1	482681	U8XP	EET CAL 4	09/19/24 12:55
Total/NA	Analysis	SM 2320B		1	12386	DL	EET ALB	09/13/24 18:59
Total/NA	Analysis	SM 2510B		1	12387	DL	EET ALB	09/13/24 18:59
Total/NA	Analysis	SM 2710F		1	13022	RC	EET ALB	09/25/24 14:27
Total/NA	Analysis	SM 4500 H+ B		1	12388	DL	EET ALB	09/13/24 18:59

**Laboratory References:**

EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975  
 EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494  
 EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200



## Accreditation/Certification Summary

Client: Western Refining  
 Project/Site: Injection Well September 2024

Job ID: 885-11717-1

### Laboratory: Eurofins Albuquerque

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New Mexico	State	NM9425, NM0901	02-26-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
2540C		Water	Total Dissolved Solids
300.0		Water	Bromide
300.0		Water	Chloride
300.0		Water	Fluoride
300.0		Water	Nitrate
300.0		Water	Nitrite
300.0		Water	Orthophosphate as P
300.0		Water	Sulfate
6020A	3005A	Water	Arsenic
6020A	3005A	Water	Barium
6020A	3005A	Water	Cadmium
6020A	3005A	Water	Chromium
6020A	3005A	Water	Lead
6020A	3005A	Water	Selenium
6020A	3005A	Water	Silver
7470A	7470A	Water	Mercury
8081B	3510C	Water	Chlorodane
8260B		Water	1,1-Dichloroethene
8260B		Water	1,2-Dichloroethane (EDC)
8260B		Water	1,4-Dichlorobenzene
8260B		Water	2-Butanone
8260B		Water	Benzene
8260B		Water	Carbon tetrachloride
8260B		Water	Chlorobenzene
8260B		Water	Chloroform
8260B		Water	Tetrachloroethene (PCE)
8260B		Water	Trichloroethene (TCE)
8260B		Water	Vinyl chloride
8270C	3510C	Water	2,4,5-Trichlorophenol
8270C	3510C	Water	2,4,6-Trichlorophenol
8270C	3510C	Water	2,4-Dinitrotoluene
8270C	3510C	Water	2-Methylphenol
8270C	3510C	Water	3 & 4 Methylphenol
8270C	3510C	Water	Cresols, Total
8270C	3510C	Water	Hexachlorobenzene
8270C	3510C	Water	Hexachlorobutadiene
8270C	3510C	Water	Hexachloroethane
8270C	3510C	Water	Nitrobenzene
8270C	3510C	Water	Pentachlorophenol
8270C	3510C	Water	Pyridine
SM 2320B		Water	Bicarbonate Alkalinity as CaCO3
SM 2320B		Water	Carbonate Alkalinity as CaCO3
SM 2320B		Water	Total Alkalinity as CaCO3
SM 2510B		Water	Specific Conductance
SM 2710F		Water	Specific Gravity

Eurofins Albuquerque

## Accreditation/Certification Summary

Client: Western Refining  
 Project/Site: Injection Well September 2024

Job ID: 885-11717-1

### Laboratory: Eurofins Albuquerque (Continued)

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
SM 4500 H+ B		Water	pH

### Laboratory: Eurofins Calscience

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Arizona	State	AZ0830	11-15-24
Arkansas DEQ	State	88-0161	07-02-25
California	Los Angeles County Sanitation Districts	9257304	07-31-26
California	SCAQMD LAP	17LA0919	11-30-24
California	State	3082	10-06-24
Kansas	NELAP	E-10420	07-31-25
Nevada	State	CA00111	10-07-24
Oregon	NELAP	4175	10-21-24
USDA	US Federal Programs	P330-22-00059	06-08-26
Washington	State	C916-18	10-11-24

### Laboratory: Eurofins Houston

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Arkansas DEQ	State	88-00759	08-03-25
Florida	NELAP	E871002	06-30-25
Louisiana (All)	NELAP	03054	06-30-25
Oklahoma	NELAP	1306	08-31-25
Texas	NELAP	T104704215	06-30-25
Texas	TCEQ Water Supply	T104704215	12-28-25
USDA	US Federal Programs	525-23-79-79507	03-20-26

# Chain-of-Custody Record

Client: **Western Refining**  Standard  Rush  
 Project Name: **Injection Well April 2024**  
 Project #: **50 CR 4990**  
 Mailing Address: **Bloomfield, NM 87413**  
 Phone #: **678-594-6377**  
 email or Fax: [grussell@marathonpetroleum.com](mailto:grussell@marathonpetroleum.com)  
 QA/QC Package:  Level 4 (Full Validation)  Az Compliance  
 Accreditation:  NELAC  Other  
 EDD (Type): \_\_\_\_\_

Turn-Around Time:  Standard  Rush  
 Project Name: **Injection Well April 2024**  
 Project #: **4900110659**  
 Project Manager: **Gary Russell**  
 Sampler: **GARY RUSSELL**  
 On Ice:  Yes  No  
 # of Coolers: **1**  
 Cooler Temp (including CF): **4.6 - 0.2 = 4.4**  
 CHERRY

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.
09/11/2024	1035	H <sub>2</sub> O	Injection Well	500ml P	none	1
				1 - 125ml P	none	
				1 - 500ml P	1- unpres, 1- NaOH, 1- NaOH/ZnAc	
				3-500ml P	HNO3	
				250ml P	none	
				1L Amber G	HCL	
				3-40ml VOAs	none	
				1L Anmer		

PH, Specific gravity \_\_\_\_\_  
 C/A Balance Dissolved \_\_\_\_\_  
 RCI and ORP \_\_\_\_\_  
 RCRA 8 Metals \_\_\_\_\_  
 Chlordane only by 8081 \_\_\_\_\_  
 8260 TCLP list + TEX \_\_\_\_\_  
 8270 TCLP List \_\_\_\_\_

Analysis Request

Received by: **John Walter** Date: **9/11/24** Time: **1416**  
 Relinquished by: **Brian Nguyen**  
 Received by: **John Walter** Date: **9/12/24** Time: **7:05**  
 Relinquished by: **John Walter**

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical

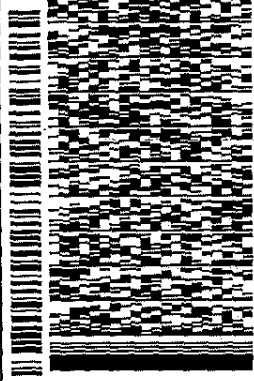


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ALBUQUERQUE, NM 87003

TO **SAMPLE RECIEVING**  
**EUROFINS TUSTIN**  
**2841 DOW AVE**  
**SUITE 100**  
**TUSTIN CA 92780**

REF: (714) 895-5494  
 PO: DEPT:



885-11717 Waybill

FRI - 13 SEP 10:30A  
 PRIORITY OVERNIGHT

TRK# 7785 5588 0587  
 0201

**XW DTHA**  
 92780  
 CA-US SNA



FedEx Ship Manager Print Your Label(s)

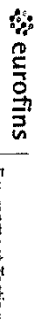




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**Eurofins Albuquerque**  
 4901 Hawkins NE  
 Albuquerque, NM 87109  
 Phone: 505-345-3975 Fax: 505-345-4107

**Chain of Custody Record**



<b>Client Information (Sub Contract Lab)</b>	Sampler:
Client Contact: Shipping/Receiving	Lab P/N: <b>Bole, Jackie</b>
Company: Eurofins Environment Testing South Centre	E-Mail: <b>jackie.bole@eurofins.com</b>
Address: 4145 Greenbriar Dr	Accreditations Required (See note): State New Mexico
City: Stafford	<b>Analysis Requested</b>
State, Zip: TX, 77477	
Phone: 281-240-4200(7e)	
Email: Project #: 88500037	
Injection Well September 2024	SSOW#: 885-11717-1
Site:	Preservation Codes: 885-11717-1
Due Date Requested: 9/19/2024	
TAT Requested (days):	

Sample Identification Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (Invert, Soil, Organic, etc.)	Field Filtered Sample (Yes or No)		Perform MS/MSD (Yes or No)		Total Number of containers	Special Instructions/Note:	
					Preservation Code:	Matrix	Field Filtered	MS/MSD			
Injection Well (885-11717-1)	9/11/24	10:35	G	Water				X	200.7/FIELD_FLTRD (MOD) Custom List	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Centre, LLC places the ownership of method, analysis & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody, if the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/instrument being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Centre, LLC laboratory or other institutions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Centre, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Centre, LLC.

**Possible Hazard Identification**

Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2

Empty Kit Relinquished by: *[Signature]* Date: 9/12/24 1610 Company: Received by: Date/Time: Company:

Relinquished by: *[Signature]* Date/Time: Received by: Date/Time: Company:

Relinquished by: Received by: Date/Time: Company:

Custody Seals Intact:  Yes  No Custody Seal No. 320 12-168

Cooler Temperature(s) °C and Other Remarks: 32° 12-168

Special Instructions/QC Requirements:  Return To Client  Dispose By Lab  Archive For  Months

Method of Shipment: Date/Time: Company:

Method of Shipment: Date/Time: Company:

Method of Shipment: Date/Time: Company:

### Login Sample Receipt Checklist

Client: Western Refining

Job Number: 885-11717-1

**Login Number: 11717**

**List Number: 1**

**Creator: Casarrubias, Tracy**

**List Source: Eurofins Albuquerque**

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	False	Sample splitting required for subcontract purposes.
Residual Chlorine Checked.	N/A	



### Login Sample Receipt Checklist

Client: Western Refining

Job Number: 885-11717-1

**Login Number: 11717**  
**List Number: 3**  
**Creator: Khana, Piyush**

**List Source: Eurofins Calscience**  
**List Creation: 09/13/24 01:56 PM**

Question	Answer	Comment
Radioactivity wasn't checked or is <math>\leq</math> background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	Seal present with no number.
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.0
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	





### Login Sample Receipt Checklist

Client: Western Refining

Job Number: 885-11717-1

**Login Number: 11717**

**List Number: 2**

**Creator: Baker, Jeremiah**

**List Source: Eurofins Houston**

**List Creation: 09/13/24 11:22 AM**

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	

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Environment Testing

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# ANALYTICAL REPORT

## PREPARED FOR

Attn: Gary Russell  
Western Refining  
50 County Road 4990  
Bloomfield, New Mexico 87413

Generated 12/30/2024 6:18:44 PM

## JOB DESCRIPTION

Injection Well December 2024

## JOB NUMBER

885-16351-1

Eurofins Albuquerque  
4901 Hawkins NE  
Albuquerque NM 87109



# Eurofins Albuquerque

## Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

## Authorization



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12/30/2024 6:18:44 PM

Authorized for release by  
Jackie Bolte, Project Manager  
[jackie.bolte@et.eurofinsus.com](mailto:jackie.bolte@et.eurofinsus.com)  
(505)345-3975

Client: Western Refining  
Project/Site: Injection Well December 2024

Laboratory Job ID: 885-16351-1



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## Definitions/Glossary

Client: Western Refining  
Project/Site: Injection Well December 2024

Job ID: 885-16351-1

## Qualifiers

## GC Semi VOA

Qualifier	Qualifier Description
D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D.
S1-	Surrogate recovery exceeds control limits, low biased.

## HPLC/IC

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

## Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

## General Chemistry

Qualifier	Qualifier Description
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
HF	Parameter with a holding time of 15 minutes. Test performed by laboratory at client's request. Sample was analyzed outside of hold time.

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Eurofins Albuquerque

## Case Narrative

Client: Western Refining  
Project: Injection Well December 2024

Job ID: 885-16351-1

**Job ID: 885-16351-1**

**Eurofins Albuquerque**

### Job Narrative 885-16351-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

#### Receipt

The sample was received on 12/5/2024 6:35 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.4°C.

#### GC/MS VOA

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

#### GC/MS Semi VOA

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

#### Pesticides

Method 8081B: The following sample was diluted due to the nature of the sample matrix: Injection Well (885-16351-1). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

#### HPLC/IC

Method 300\_OF\_48H\_PREC: The following sample was diluted due to the nature of the sample matrix: Injection Well (885-16351-1). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

#### Metals

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

#### General Chemistry

Method 2540C\_SingleDry: The following sample was prepared outside of preparation holding time due to lab error: Injection Well (885-16351-1).

Method 9040B: The following sample(s) was received with less than 2 days remaining on the holding time or less than one shift (8 hours) remaining on a test with a holding time of 48 hours or less. As such, the laboratory had insufficient time remaining to perform the analysis within holding time: Injection Well (885-16351-1).

Method D1498\_00: This analysis is normally performed in the field and has a method-defined holding time of 15 minutes. The following sample has been qualified with the "HF" flag to indicate analysis was performed in the laboratory outside the 15 minute timeframe: Injection Well (885-16351-1).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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### Client Sample Results

Client: Western Refining  
 Project/Site: Injection Well December 2024

Job ID: 885-16351-1

Client Sample ID: Injection Well

Lab Sample ID: 885-16351-1

Date Collected: 12/04/24 10:02

Matrix: Water

Date Received: 12/05/24 06:35

**Method: SW846 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<45		200	45	ug/L			12/05/24 23:16	200
Carbon tetrachloride	<36		200	36	ug/L			12/05/24 23:16	200
Chlorobenzene	<92		200	92	ug/L			12/05/24 23:16	200
1,4-Dichlorobenzene	<22		200	22	ug/L			12/05/24 23:16	200
1,2-Dichloroethane (EDC)	<60		200	60	ug/L			12/05/24 23:16	200
1,1-Dichloroethene	<40		200	40	ug/L			12/05/24 23:16	200
2-Butanone	<410		2000	410	ug/L			12/05/24 23:16	200
Tetrachloroethene (PCE)	<36		200	36	ug/L			12/05/24 23:16	200
Trichloroethene (TCE)	<41		200	41	ug/L			12/05/24 23:16	200
Vinyl chloride	<64		200	64	ug/L			12/05/24 23:16	200
Chloroform	<50		200	50	ug/L			12/05/24 23:16	200
Toluene	<50		200	50	ug/L			12/05/24 23:16	200
Ethylbenzene	<43		200	43	ug/L			12/05/24 23:16	200
Xylenes, Total	<75		300	75	ug/L			12/05/24 23:16	200

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		70 - 130		12/05/24 23:16	200
Toluene-d8 (Surr)	113		70 - 130		12/05/24 23:16	200
4-Bromofluorobenzene (Surr)	101		70 - 130		12/05/24 23:16	200
Dibromofluoromethane (Surr)	108		70 - 130		12/05/24 23:16	200

**Method: SW846 8270C - Semivolatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	<4.7		10	4.7	ug/L		12/05/24 11:43	12/13/24 21:31	1
3 & 4 Methylphenol	<4.9		10	4.9	ug/L		12/05/24 11:43	12/13/24 21:31	1
2,4-Dinitrotoluene	<5.0		5.0	5.0	ug/L		12/05/24 11:43	12/13/24 21:31	1
Hexachlorobenzene	<4.6		20	4.6	ug/L		12/05/24 11:43	12/13/24 21:31	1
Hexachlorobutadiene	<11		20	11	ug/L		12/05/24 11:43	12/13/24 21:31	1
Hexachloroethane	<11		20	11	ug/L		12/05/24 11:43	12/13/24 21:31	1
Nitrobenzene	<3.6		5.0	3.6	ug/L		12/05/24 11:43	12/13/24 21:31	1
Pentachlorophenol	<15		20	15	ug/L		12/05/24 11:43	12/13/24 21:31	1
Pyridine	<2.6		20	2.6	ug/L		12/05/24 11:43	12/13/24 21:31	1
2,4,5-Trichlorophenol	<5.1		10	5.1	ug/L		12/05/24 11:43	12/13/24 21:31	1
2,4,6-Trichlorophenol	<4.3		10	4.3	ug/L		12/05/24 11:43	12/13/24 21:31	1
Cresols, Total	<4.9		10	4.9	ug/L		12/05/24 11:43	12/13/24 21:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Phenol-d5 (Surr)	27		15 - 130	12/05/24 11:43	12/13/24 21:31	1
2-Fluorophenol (Surr)	33		15 - 130	12/05/24 11:43	12/13/24 21:31	1
2,4,6-Tribromophenol (Surr)	47		15 - 130	12/05/24 11:43	12/13/24 21:31	1
Nitrobenzene-d5 (Surr)	45		29 - 130	12/05/24 11:43	12/13/24 21:31	1
2-Fluorobiphenyl (Surr)	46		20 - 130	12/05/24 11:43	12/13/24 21:31	1
p-Terphenyl-d14 (Surr)	58		41 - 130	12/05/24 11:43	12/13/24 21:31	1

**Method: SW846 8081B - Organochlorine Pesticides (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorodane	<5.0	D	10	5.0	ug/L		12/10/24 08:56	12/20/24 13:37	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	0	D S1-	53 - 130	12/10/24 08:56	12/20/24 13:37	10
Tetrachloro-m-xylene	0	D S1-	18 - 130	12/10/24 08:56	12/20/24 13:37	10

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### Client Sample Results

Client: Western Refining  
 Project/Site: Injection Well December 2024

Job ID: 885-16351-1

Client Sample ID: Injection Well

Lab Sample ID: 885-16351-1

Date Collected: 12/04/24 10:02

Matrix: Water

Date Received: 12/05/24 06:35

**Method: EPA 300.0 - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	0.53		0.50	0.25	mg/L			12/05/24 13:43	5
Nitrate	1.3		0.50	0.10	mg/L			12/05/24 13:43	5
Orthophosphate as P	<1.3		2.5	1.3	mg/L			12/05/24 13:43	5
Chloride	180		10	5.0	mg/L			12/05/24 13:56	20
Nitrite	<0.058		0.50	0.058	mg/L			12/05/24 13:43	5
Fluoride	0.32	J	0.50	0.23	mg/L			12/05/24 13:43	5
Sulfate	31		2.5	1.3	mg/L			12/05/24 13:43	5

**Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Dissolved**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	41		1.0	0.065	mg/L			12/09/24 08:24	1
Magnesium	12		1.0	0.024	mg/L			12/09/24 08:24	1
Potassium	5.4		1.0	0.12	mg/L			12/09/24 08:24	1
Sodium	160		5.0	1.1	mg/L			12/09/24 08:14	5

**Method: SW846 6020A - Metals (ICP/MS) - Total Recoverable**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.0025		0.0050	0.0025	mg/L		12/06/24 11:21	12/11/24 10:43	5
Barium	0.11		0.0050	0.0025	mg/L		12/06/24 11:21	12/11/24 10:43	5
Cadmium	<0.0025		0.0050	0.0025	mg/L		12/06/24 11:21	12/11/24 10:43	5
Chromium	0.0036	J	0.0050	0.0025	mg/L		12/06/24 11:21	12/11/24 10:43	5
Lead	<0.0030		0.0050	0.0030	mg/L		12/06/24 11:21	12/11/24 10:43	5
Selenium	<0.0040		0.0050	0.0040	mg/L		12/06/24 11:21	12/11/24 10:43	5
Silver	<0.0025		0.0050	0.0025	mg/L		12/06/24 11:21	12/11/24 10:43	5

**Method: SW846 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00012		0.00020	0.00012	mg/L		12/09/24 14:09	12/10/24 16:46	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ignitability (SW846 1010)	>212		70.0	70.0	Degrees F			12/10/24 19:40	1
Total Dissolved Solids (SM 2540C)	570	H	100	50	mg/L			12/12/24 15:24	1
Cyanide, Reactive (SW846 9014)	<0.25		0.25	0.25	mg/L		12/17/24 18:30	12/17/24 19:48	1
Sulfide, Reactive (SW846 9034)	<50		50	50	mg/L		12/10/24 16:38	12/10/24 22:57	1
pH (SW846 9040B)	7.5	H	0.1	0.1	SU			12/27/24 16:45	1
Oxidation Reduction Potential (ASTM D1498-00)	240	HF			mV			12/13/24 18:54	1
Total Alkalinity as CaCO3 (SM 2320B)	200		20	20	mg/L			12/06/24 15:49	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	200		20	20	mg/L			12/06/24 15:49	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<2.0		2.0	2.0	mg/L			12/06/24 15:49	1
Specific Conductance (SM 2510B)	1000		10	10	umhos/cm			12/06/24 15:49	1
Specific Gravity (SM 2710F)	1.0				NONE			12/17/24 08:35	1
pH (SM 4500 H+ B)	7.8	HF	0.1	0.1	SU			12/06/24 15:49	1

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### QC Sample Results

Client: Western Refining  
 Project/Site: Injection Well December 2024

Job ID: 885-16351-1

#### Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 885-17130/4  
 Matrix: Water  
 Analysis Batch: 17130

Client Sample ID: Method Blank  
 Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.23		1.0	0.23	ug/L			12/05/24 13:54	1
Carbon tetrachloride	<0.18		1.0	0.18	ug/L			12/05/24 13:54	1
Chlorobenzene	<0.46		1.0	0.46	ug/L			12/05/24 13:54	1
1,4-Dichlorobenzene	<0.11		1.0	0.11	ug/L			12/05/24 13:54	1
1,2-Dichloroethane (EDC)	<0.30		1.0	0.30	ug/L			12/05/24 13:54	1
1,1-Dichloroethene	<0.20		1.0	0.20	ug/L			12/05/24 13:54	1
2-Butanone	<2.0		10	2.0	ug/L			12/05/24 13:54	1
Tetrachloroethene (PCE)	<0.18		1.0	0.18	ug/L			12/05/24 13:54	1
Trichloroethene (TCE)	<0.20		1.0	0.20	ug/L			12/05/24 13:54	1
Vinyl chloride	<0.32		1.0	0.32	ug/L			12/05/24 13:54	1
Chloroform	<0.25		1.0	0.25	ug/L			12/05/24 13:54	1
Toluene	<0.25		1.0	0.25	ug/L			12/05/24 13:54	1
Ethylbenzene	<0.21		1.0	0.21	ug/L			12/05/24 13:54	1
Xylenes, Total	<0.37		1.5	0.37	ug/L			12/05/24 13:54	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		70 - 130		12/05/24 13:54	1
Toluene-d8 (Surr)	109		70 - 130		12/05/24 13:54	1
4-Bromofluorobenzene (Surr)	101		70 - 130		12/05/24 13:54	1
Dibromofluoromethane (Surr)	105		70 - 130		12/05/24 13:54	1

Lab Sample ID: LCS 885-17130/3  
 Matrix: Water  
 Analysis Batch: 17130

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	20.1	22.1		ug/L		110	70 - 130
Chlorobenzene	20.1	22.0		ug/L		110	70 - 130
1,1-Dichloroethene	20.1	20.4		ug/L		101	70 - 130
Trichloroethene (TCE)	20.2	19.9		ug/L		99	70 - 130
Toluene	20.2	21.7		ug/L		107	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	104		70 - 130
Toluene-d8 (Surr)	107		70 - 130
4-Bromofluorobenzene (Surr)	101		70 - 130
Dibromofluoromethane (Surr)	107		70 - 130

#### Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 885-17104/1-A  
 Matrix: Water  
 Analysis Batch: 17714

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 17104

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	<4.7		10	4.7	ug/L		12/05/24 11:40	12/13/24 14:39	1
3 & 4 Methylphenol	<4.9		10	4.9	ug/L		12/05/24 11:40	12/13/24 14:39	1
2,4-Dinitrotoluene	<5.0		5.0	5.0	ug/L		12/05/24 11:40	12/13/24 14:39	1

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### QC Sample Results

Client: Western Refining  
 Project/Site: Injection Well December 2024

Job ID: 885-16351-1

#### Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 885-17104/1-A  
 Matrix: Water  
 Analysis Batch: 17714

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 17104

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Hexachlorobenzene	<4.6		20	4.6	ug/L		12/05/24 11:40	12/13/24 14:39	1
Hexachlorobutadiene	<11		20	11	ug/L		12/05/24 11:40	12/13/24 14:39	1
Hexachloroethane	<11		20	11	ug/L		12/05/24 11:40	12/13/24 14:39	1
Nitrobenzene	<3.6		5.0	3.6	ug/L		12/05/24 11:40	12/13/24 14:39	1
Pentachlorophenol	<15		20	15	ug/L		12/05/24 11:40	12/13/24 14:39	1
Pyridine	<2.6		20	2.6	ug/L		12/05/24 11:40	12/13/24 14:39	1
2,4,5-Trichlorophenol	<5.1		10	5.1	ug/L		12/05/24 11:40	12/13/24 14:39	1
2,4,6-Trichlorophenol	<4.3		10	4.3	ug/L		12/05/24 11:40	12/13/24 14:39	1
Cresols, Total	<4.9		10	4.9	ug/L		12/05/24 11:40	12/13/24 14:39	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Phenol-d5 (Surr)	42		15 - 130	12/05/24 11:40	12/13/24 14:39	1
2-Fluorophenol (Surr)	52		15 - 130	12/05/24 11:40	12/13/24 14:39	1
2,4,6-Tribromophenol (Surr)	66		15 - 130	12/05/24 11:40	12/13/24 14:39	1
Nitrobenzene-d5 (Surr)	65		29 - 130	12/05/24 11:40	12/13/24 14:39	1
2-Fluorobiphenyl (Surr)	55		20 - 130	12/05/24 11:40	12/13/24 14:39	1
p-Terphenyl-d14 (Surr)	80		41 - 130	12/05/24 11:40	12/13/24 14:39	1

Lab Sample ID: LCS 885-17104/2-A  
 Matrix: Water  
 Analysis Batch: 17714

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 17104

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
2,4-Dinitrotoluene	100	48.9		ug/L		49	38 - 130
Pentachlorophenol	200	106		ug/L		53	15 - 130

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
Phenol-d5 (Surr)	40		15 - 130
2-Fluorophenol (Surr)	48		15 - 130
2,4,6-Tribromophenol (Surr)	62		15 - 130
Nitrobenzene-d5 (Surr)	61		29 - 130
2-Fluorobiphenyl (Surr)	52		20 - 130
p-Terphenyl-d14 (Surr)	79		41 - 130

Lab Sample ID: LCSD 885-17104/3-A  
 Matrix: Water  
 Analysis Batch: 17714

Client Sample ID: Lab Control Sample Dup  
 Prep Type: Total/NA  
 Prep Batch: 17104

Analyte	Spike Added	LCSD	LCSD	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
		Result	Qualifier						
2,4-Dinitrotoluene	100	48.7		ug/L		49	38 - 130	0	39
Pentachlorophenol	200	108		ug/L		54	15 - 130	2	55

Surrogate	LCSD	LCSD	Limits
	%Recovery	Qualifier	
Phenol-d5 (Surr)	42		15 - 130
2-Fluorophenol (Surr)	50		15 - 130
2,4,6-Tribromophenol (Surr)	63		15 - 130
Nitrobenzene-d5 (Surr)	65		29 - 130
2-Fluorobiphenyl (Surr)	55		20 - 130

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### QC Sample Results

Client: Western Refining  
 Project/Site: Injection Well December 2024

Job ID: 885-16351-1

#### Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 885-17104/3-A  
 Matrix: Water  
 Analysis Batch: 17714

Client Sample ID: Lab Control Sample Dup  
 Prep Type: Total/NA  
 Prep Batch: 17104

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
p-Terphenyl-d14 (Surr)	80		41 - 130

#### Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 885-17368/1-A  
 Matrix: Water  
 Analysis Batch: 18195

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 17368

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Chlorodane	<0.50		1.0	0.50	ug/L		12/10/24 08:56	12/20/24 12:58	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
DCB Decachlorobiphenyl (Surr)	80		53 - 130	12/10/24 08:56	12/20/24 12:58	1
Tetrachloro-m-xylene	56		18 - 130	12/10/24 08:56	12/20/24 12:58	1

Lab Sample ID: LCS 885-17368/2-A  
 Matrix: Water  
 Analysis Batch: 18195

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 17368

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
DCB Decachlorobiphenyl (Surr)	79		53 - 130
Tetrachloro-m-xylene	60		18 - 130

Lab Sample ID: LCSD 885-17368/3-A  
 Matrix: Water  
 Analysis Batch: 18195

Client Sample ID: Lab Control Sample Dup  
 Prep Type: Total/NA  
 Prep Batch: 17368

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
DCB Decachlorobiphenyl (Surr)	69		53 - 130
Tetrachloro-m-xylene	54		18 - 130

#### Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-17071/4  
 Matrix: Water  
 Analysis Batch: 17071

Client Sample ID: Method Blank  
 Prep Type: Total/NA

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Bromide	<0.050		0.10	0.050	mg/L			12/05/24 09:37	1
Chloride	<0.25		0.50	0.25	mg/L			12/05/24 09:37	1
Fluoride	<0.046		0.10	0.046	mg/L			12/05/24 09:37	1
Sulfate	<0.25		0.50	0.25	mg/L			12/05/24 09:37	1

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### QC Sample Results

Client: Western Refining  
 Project/Site: Injection Well December 2024

Job ID: 885-16351-1

#### Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 885-17071/5  
 Matrix: Water  
 Analysis Batch: 17071

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Bromide	2.50	2.45		mg/L		98	90 - 110
Chloride	5.00	4.79		mg/L		96	90 - 110
Fluoride	0.500	0.505		mg/L		101	90 - 110
Sulfate	10.0	9.51		mg/L		95	90 - 110

Lab Sample ID: MRL 885-17071/3  
 Matrix: Water  
 Analysis Batch: 17071

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA

Analyte	Spike Added	MRL	MRL	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Bromide	0.100	0.0761	J	mg/L		76	50 - 150
Chloride	0.500	0.503		mg/L		101	50 - 150
Fluoride	0.100	0.0960	J	mg/L		96	50 - 150
Sulfate	0.500	0.481	J	mg/L		96	50 - 150

Lab Sample ID: MB 885-17072/4  
 Matrix: Water  
 Analysis Batch: 17072

Client Sample ID: Method Blank  
 Prep Type: Total/NA

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Nitrate	<0.020		0.10	0.020	mg/L			12/05/24 09:37	1
Orthophosphate as P	<0.25		0.50	0.25	mg/L			12/05/24 09:37	1
Nitrite	<0.012		0.10	0.012	mg/L			12/05/24 09:37	1

Lab Sample ID: LCS 885-17072/5  
 Matrix: Water  
 Analysis Batch: 17072

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Nitrate	2.50	2.52		mg/L		101	90 - 110
Orthophosphate as P	5.00	4.93		mg/L		99	90 - 110
Nitrite	1.00	0.955		mg/L		95	90 - 110

Lab Sample ID: MRL 885-17072/3  
 Matrix: Water  
 Analysis Batch: 17072

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA

Analyte	Spike Added	MRL	MRL	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Nitrate	0.100	0.0939	J	mg/L		94	50 - 150
Orthophosphate as P	0.500	0.519		mg/L		104	50 - 150
Nitrite	0.100	0.0937	J	mg/L		94	50 - 150

#### Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MB 885-17294/38  
 Matrix: Water  
 Analysis Batch: 17294

Client Sample ID: Method Blank  
 Prep Type: Total/NA

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Calcium	<0.065		1.0	0.065	mg/L			12/09/24 08:09	1

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### QC Sample Results

Client: Western Refining  
 Project/Site: Injection Well December 2024

Job ID: 885-16351-1

#### Method: 200.7 Rev 4.4 - Metals (ICP) (Continued)

Lab Sample ID: MB 885-17294/38  
 Matrix: Water  
 Analysis Batch: 17294

Client Sample ID: Method Blank  
 Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	<0.024		1.0	0.024	mg/L			12/09/24 08:09	1
Potassium	<0.12		1.0	0.12	mg/L			12/09/24 08:09	1
Sodium	<0.23		1.0	0.23	mg/L			12/09/24 08:09	1

Lab Sample ID: LCS 885-17294/40  
 Matrix: Water  
 Analysis Batch: 17294

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	50.0	54.4		mg/L		109	85 - 115
Magnesium	50.0	54.2		mg/L		108	85 - 115
Potassium	50.0	53.6		mg/L		107	85 - 115
Sodium	50.0	54.1		mg/L		108	85 - 115

Lab Sample ID: LLCS 885-17294/39  
 Matrix: Water  
 Analysis Batch: 17294

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	0.500	0.501	J	mg/L		100	50 - 150
Magnesium	0.500	0.516	J	mg/L		103	50 - 150
Potassium	0.500	0.453	J	mg/L		91	50 - 150
Sodium	0.500	0.505	J	mg/L		101	50 - 150

Lab Sample ID: MRL 885-17294/35  
 Matrix: Water  
 Analysis Batch: 17294

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	0.500	0.499	J	mg/L		100	50 - 150
Magnesium	0.500	0.512	J	mg/L		102	50 - 150
Potassium	0.500	0.440	J	mg/L		88	50 - 150
Sodium	0.500	0.745	J	mg/L		149	50 - 150

#### Method: 6020A - Metals (ICP/MS)

Lab Sample ID: MRL 885-17518/9  
 Matrix: Water  
 Analysis Batch: 17518

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.00100	0.00109		mg/L		109	70 - 130
Barium	0.00100	0.00102		mg/L		102	70 - 130
Cadmium	0.00100	0.000959	J	mg/L		96	70 - 130
Chromium	0.00100	0.00119		mg/L		119	70 - 130
Lead	0.00100	0.00103		mg/L		103	70 - 130
Selenium	0.00100	0.00113		mg/L		113	70 - 130
Silver	0.00100	0.00102		mg/L		102	70 - 130

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### QC Sample Results

Client: Western Refining  
 Project/Site: Injection Well December 2024

Job ID: 885-16351-1

#### Method: 6020A - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 885-17187/1-A ^5  
 Matrix: Water  
 Analysis Batch: 17518

Client Sample ID: Method Blank  
 Prep Type: Total Recoverable  
 Prep Batch: 17187

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.0025		0.0050	0.0025	mg/L		12/06/24 11:19	12/11/24 10:36	5
Barium	<0.0025		0.0050	0.0025	mg/L		12/06/24 11:19	12/11/24 10:36	5
Cadmium	<0.0025		0.0050	0.0025	mg/L		12/06/24 11:19	12/11/24 10:36	5
Chromium	<0.0025		0.0050	0.0025	mg/L		12/06/24 11:19	12/11/24 10:36	5
Lead	<0.0030		0.0050	0.0030	mg/L		12/06/24 11:19	12/11/24 10:36	5
Selenium	<0.0040		0.0050	0.0040	mg/L		12/06/24 11:19	12/11/24 10:36	5
Silver	<0.0025		0.0050	0.0025	mg/L		12/06/24 11:19	12/11/24 10:36	5

Lab Sample ID: LCS 885-17187/3-A ^5  
 Matrix: Water  
 Analysis Batch: 17518

Client Sample ID: Lab Control Sample  
 Prep Type: Total Recoverable  
 Prep Batch: 17187

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.0500	0.0521		mg/L		104	80 - 120
Barium	0.0500	0.0471		mg/L		94	80 - 120
Cadmium	0.0500	0.0517		mg/L		103	80 - 120
Chromium	0.0500	0.0524		mg/L		105	80 - 120
Lead	0.0500	0.0500		mg/L		100	80 - 120
Selenium	0.0500	0.0526		mg/L		105	80 - 120
Silver	0.0250	0.0263		mg/L		105	80 - 120

Lab Sample ID: LLCS 885-17187/2-A ^5  
 Matrix: Water  
 Analysis Batch: 17518

Client Sample ID: Lab Control Sample  
 Prep Type: Total Recoverable  
 Prep Batch: 17187

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.0100	0.00944		mg/L		94	
Barium	0.0100	0.00946		mg/L		95	
Cadmium	0.0100	0.00980		mg/L		98	
Chromium	0.0100	0.00997		mg/L		100	
Lead	0.0100	0.00999		mg/L		100	
Selenium	0.0100	0.0108		mg/L		108	
Silver	0.0100	0.0107		mg/L		107	

Lab Sample ID: 885-16351-1 MS  
 Matrix: Water  
 Analysis Batch: 17518

Client Sample ID: Injection Well  
 Prep Type: Total Recoverable  
 Prep Batch: 17187

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	<0.0025		0.0500	0.0550		mg/L		110	75 - 125
Barium	0.11		0.0500	0.149		mg/L		86	75 - 125
Cadmium	<0.0025		0.0500	0.0505		mg/L		101	75 - 125
Chromium	0.0036	J	0.0500	0.0569		mg/L		107	75 - 125
Lead	<0.0030		0.0500	0.0508		mg/L		102	75 - 125
Selenium	<0.0040		0.0500	0.0475		mg/L		95	75 - 125
Silver	<0.0025		0.0250	0.0259		mg/L		104	75 - 125

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### QC Sample Results

Client: Western Refining  
 Project/Site: Injection Well December 2024

Job ID: 885-16351-1

#### Method: 6020A - Metals (ICP/MS) (Continued)

Lab Sample ID: 885-16351-1 MSD  
 Matrix: Water  
 Analysis Batch: 17518

Client Sample ID: Injection Well  
 Prep Type: Total Recoverable  
 Prep Batch: 17187

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	<0.0025		0.0500	0.0546		mg/L		109	75 - 125	1	20
Barium	0.11		0.0500	0.150		mg/L		88	75 - 125	1	20
Cadmium	<0.0025		0.0500	0.0497		mg/L		99	75 - 125	2	20
Chromium	0.0036	J	0.0500	0.0548		mg/L		102	75 - 125	4	20
Lead	<0.0030		0.0500	0.0503		mg/L		101	75 - 125	1	20
Selenium	<0.0040		0.0500	0.0468		mg/L		94	75 - 125	2	20
Silver	<0.0025		0.0250	0.0254		mg/L		102	75 - 125	2	20

#### Method: 7470A - Mercury (CVAA)

Lab Sample ID: MRL 885-17316/9-A  
 Matrix: Water  
 Analysis Batch: 17484

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 17316

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.000150	<0.00012		mg/L		59	50 - 150

Lab Sample ID: MB 885-17321/1-A  
 Matrix: Water  
 Analysis Batch: 17484

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 17321

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00012		0.00020	0.00012	mg/L		12/09/24 14:08	12/10/24 13:30	1

Lab Sample ID: LCS 885-17321/3-A  
 Matrix: Water  
 Analysis Batch: 17484

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 17321

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00500	0.00489		mg/L		98	85 - 115

Lab Sample ID: LLCS 885-17321/2-A  
 Matrix: Water  
 Analysis Batch: 17484

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 17321

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.000150	<0.00012		mg/L		67	50 - 150

#### Method: 1010 - Ignitability, Pensky-Martens Closed-Cup Method

Lab Sample ID: LCSSRM 570-512367/1  
 Matrix: Water  
 Analysis Batch: 512367

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Ignitability	81.0	85.00		Degrees F		104.9	95.1 - 104.9

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### QC Sample Results

Client: Western Refining  
 Project/Site: Injection Well December 2024

Job ID: 885-16351-1

#### Method: 1010 - Ignitability, Pensky-Martens Closed-Cup Method (Continued)

Lab Sample ID: LCSSRM 570-512367/2  
 Matrix: Water  
 Analysis Batch: 512367

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Ignitability	81.0	85.00		Degrees F		104.9	95.1 - 104.9

#### Method: 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 885-17665/1  
 Matrix: Water  
 Analysis Batch: 17665

Client Sample ID: Method Blank  
 Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<25		50	25	mg/L			12/12/24 15:24	1

Lab Sample ID: LCS 885-17665/2  
 Matrix: Water  
 Analysis Batch: 17665

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	1000	1040		mg/L		104	80 - 120

#### Method: 9014 - Cyanide, Reactive

Lab Sample ID: MB 570-515374/1-A  
 Matrix: Water  
 Analysis Batch: 515308

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 515374

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Reactive	<0.25		0.25	0.25	mg/L		12/17/24 18:30	12/17/24 19:41	1

Lab Sample ID: LCS 570-515374/2-A  
 Matrix: Water  
 Analysis Batch: 515308

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 515374

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Reactive	0.500	<0.25		mg/L		47	2 - 150

Lab Sample ID: LCSD 570-515374/3-A  
 Matrix: Water  
 Analysis Batch: 515308

Client Sample ID: Lab Control Sample Dup  
 Prep Type: Total/NA  
 Prep Batch: 515374

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cyanide, Reactive	0.500	<0.25		mg/L		48	2 - 150	2	20

#### Method: 9034 - Sulfide, Reactive

Lab Sample ID: MB 570-514576/1-A  
 Matrix: Water  
 Analysis Batch: 514655

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 514576

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide, Reactive	<50		50	50	mg/L		12/10/24 16:38	12/10/24 22:57	1

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### QC Sample Results

Client: Western Refining  
 Project/Site: Injection Well December 2024

Job ID: 885-16351-1

#### Method: 9034 - Sulfide, Reactive (Continued)

Lab Sample ID: LCS 570-514576/2-A  
 Matrix: Water  
 Analysis Batch: 514655

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 514576

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfide, Reactive	500	168		mg/L		34	0 - 120

Lab Sample ID: LCSD 570-514576/3-A  
 Matrix: Water  
 Analysis Batch: 514655

Client Sample ID: Lab Control Sample Dup  
 Prep Type: Total/NA  
 Prep Batch: 514576

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfide, Reactive	500	177		mg/L		35	0 - 120	5	20

#### Method: D1498-00 - Oxidation-Reduction Potential

Lab Sample ID: 885-16351-1 DU  
 Matrix: Water  
 Analysis Batch: 513794

Client Sample ID: Injection Well  
 Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Oxidation Reduction Potential	240	HF	235		mV		2	25

#### Method: SM 2320B - Alkalinity

Lab Sample ID: MB 885-17268/2  
 Matrix: Water  
 Analysis Batch: 17268

Client Sample ID: Method Blank  
 Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3	<20		20	20	mg/L			12/06/24 14:52	1
Bicarbonate Alkalinity as CaCO3	<20		20	20	mg/L			12/06/24 14:52	1
Carbonate Alkalinity as CaCO3	<2.0		2.0	2.0	mg/L			12/06/24 14:52	1

Lab Sample ID: LCS 885-17268/3  
 Matrix: Water  
 Analysis Batch: 17268

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Alkalinity as CaCO3	84.8	77.1		mg/L		91	90 - 110

Lab Sample ID: MRL 885-17268/1  
 Matrix: Water  
 Analysis Batch: 17268

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Total Alkalinity as CaCO3	21.2	22.4		mg/L		106	50 - 150

#### Method: SM 2510B - Conductivity, Specific Conductance

Lab Sample ID: LCS 885-17269/4  
 Matrix: Water  
 Analysis Batch: 17269

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Specific Conductance	99.3	102		umhos/cm		102	85 - 115

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### QC Sample Results

Client: Western Refining  
 Project/Site: Injection Well December 2024

Job ID: 885-16351-1

#### Method: SM 2510B - Conductivity, Specific Conductance

Lab Sample ID: MRL 885-17269/3  
 Matrix: Water  
 Analysis Batch: 17269

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Specific Conductance	9.58	<10		umhos/cm		96	50 - 150

#### Method: SM 2710F - Specific Gravity

Lab Sample ID: MB 885-17895/1  
 Matrix: Water  
 Analysis Batch: 17895

Client Sample ID: Method Blank  
 Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Gravity	0.999				NONE			12/17/24 08:35	1

### QC Association Summary

Client: Western Refining  
 Project/Site: Injection Well December 2024

Job ID: 885-16351-1

#### GC/MS VOA

##### Analysis Batch: 17130

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-16351-1	Injection Well	Total/NA	Water	8260B	
MB 885-17130/4	Method Blank	Total/NA	Water	8260B	
LCS 885-17130/3	Lab Control Sample	Total/NA	Water	8260B	

#### GC/MS Semi VOA

##### Prep Batch: 17104

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-16351-1	Injection Well	Total/NA	Water	3510C	
MB 885-17104/1-A	Method Blank	Total/NA	Water	3510C	
LCS 885-17104/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 885-17104/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

##### Analysis Batch: 17714

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-16351-1	Injection Well	Total/NA	Water	8270C	17104
MB 885-17104/1-A	Method Blank	Total/NA	Water	8270C	17104
LCS 885-17104/2-A	Lab Control Sample	Total/NA	Water	8270C	17104
LCSD 885-17104/3-A	Lab Control Sample Dup	Total/NA	Water	8270C	17104

#### GC Semi VOA

##### Prep Batch: 17368

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-16351-1	Injection Well	Total/NA	Water	3510C	
MB 885-17368/1-A	Method Blank	Total/NA	Water	3510C	
LCS 885-17368/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 885-17368/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

##### Analysis Batch: 18195

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-16351-1	Injection Well	Total/NA	Water	8081B	17368
MB 885-17368/1-A	Method Blank	Total/NA	Water	8081B	17368
LCS 885-17368/2-A	Lab Control Sample	Total/NA	Water	8081B	17368
LCSD 885-17368/3-A	Lab Control Sample Dup	Total/NA	Water	8081B	17368

#### HPLC/IC

##### Analysis Batch: 17071

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-16351-1	Injection Well	Total/NA	Water	300.0	
885-16351-1	Injection Well	Total/NA	Water	300.0	
MB 885-17071/4	Method Blank	Total/NA	Water	300.0	
LCS 885-17071/5	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-17071/3	Lab Control Sample	Total/NA	Water	300.0	

##### Analysis Batch: 17072

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-16351-1	Injection Well	Total/NA	Water	300.0	
MB 885-17072/4	Method Blank	Total/NA	Water	300.0	
LCS 885-17072/5	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-17072/3	Lab Control Sample	Total/NA	Water	300.0	

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### QC Association Summary

Client: Western Refining  
 Project/Site: Injection Well December 2024

Job ID: 885-16351-1

#### Metals

##### Prep Batch: 17187

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-16351-1	Injection Well	Total Recoverable	Water	3005A	
MB 885-17187/1-A ^5	Method Blank	Total Recoverable	Water	3005A	
LCS 885-17187/3-A ^5	Lab Control Sample	Total Recoverable	Water	3005A	
LLCS 885-17187/2-A ^5	Lab Control Sample	Total Recoverable	Water	3005A	
885-16351-1 MS	Injection Well	Total Recoverable	Water	3005A	
885-16351-1 MSD	Injection Well	Total Recoverable	Water	3005A	

##### Analysis Batch: 17294

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-16351-1	Injection Well	Dissolved	Water	200.7 Rev 4.4	
885-16351-1	Injection Well	Dissolved	Water	200.7 Rev 4.4	
MB 885-17294/38	Method Blank	Total/NA	Water	200.7 Rev 4.4	
LCS 885-17294/40	Lab Control Sample	Total/NA	Water	200.7 Rev 4.4	
LLCS 885-17294/39	Lab Control Sample	Total/NA	Water	200.7 Rev 4.4	
MRL 885-17294/35	Lab Control Sample	Total/NA	Water	200.7 Rev 4.4	

##### Prep Batch: 17316

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MRL 885-17316/9-A	Lab Control Sample	Total/NA	Water	245.1	

##### Prep Batch: 17321

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-16351-1	Injection Well	Total/NA	Water	7470A	
MB 885-17321/1-A	Method Blank	Total/NA	Water	7470A	
LCS 885-17321/3-A	Lab Control Sample	Total/NA	Water	7470A	
LLCS 885-17321/2-A	Lab Control Sample	Total/NA	Water	7470A	

##### Analysis Batch: 17484

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-16351-1	Injection Well	Total/NA	Water	7470A	17321
MB 885-17321/1-A	Method Blank	Total/NA	Water	7470A	17321
LCS 885-17321/3-A	Lab Control Sample	Total/NA	Water	7470A	17321
LLCS 885-17321/2-A	Lab Control Sample	Total/NA	Water	7470A	17321
MRL 885-17316/9-A	Lab Control Sample	Total/NA	Water	7470A	17316

##### Analysis Batch: 17518

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-16351-1	Injection Well	Total Recoverable	Water	6020A	17187
MB 885-17187/1-A ^5	Method Blank	Total Recoverable	Water	6020A	17187
LCS 885-17187/3-A ^5	Lab Control Sample	Total Recoverable	Water	6020A	17187
LLCS 885-17187/2-A ^5	Lab Control Sample	Total Recoverable	Water	6020A	17187
MRL 885-17518/9	Lab Control Sample	Total/NA	Water	6020A	
885-16351-1 MS	Injection Well	Total Recoverable	Water	6020A	17187
885-16351-1 MSD	Injection Well	Total Recoverable	Water	6020A	17187

#### General Chemistry

##### Analysis Batch: 17268

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-16351-1	Injection Well	Total/NA	Water	SM 2320B	
MB 885-17268/2	Method Blank	Total/NA	Water	SM 2320B	

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### QC Association Summary

Client: Western Refining  
 Project/Site: Injection Well December 2024

Job ID: 885-16351-1

#### General Chemistry (Continued)

##### Analysis Batch: 17268 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 885-17268/3	Lab Control Sample	Total/NA	Water	SM 2320B	
MRL 885-17268/1	Lab Control Sample	Total/NA	Water	SM 2320B	

##### Analysis Batch: 17269

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-16351-1	Injection Well	Total/NA	Water	SM 2510B	
LCS 885-17269/4	Lab Control Sample	Total/NA	Water	SM 2510B	
MRL 885-17269/3	Lab Control Sample	Total/NA	Water	SM 2510B	

##### Analysis Batch: 17270

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-16351-1	Injection Well	Total/NA	Water	SM 4500 H+ B	

##### Analysis Batch: 17665

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-16351-1	Injection Well	Total/NA	Water	2540C	
MB 885-17665/1	Method Blank	Total/NA	Water	2540C	
LCS 885-17665/2	Lab Control Sample	Total/NA	Water	2540C	

##### Analysis Batch: 17895

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-16351-1	Injection Well	Total/NA	Water	SM 2710F	
MB 885-17895/1	Method Blank	Total/NA	Water	SM 2710F	

##### Analysis Batch: 512367

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-16351-1	Injection Well	Total/NA	Water	1010	
LCSSRM 570-512367/1	Lab Control Sample	Total/NA	Water	1010	
LCSSRM 570-512367/2	Lab Control Sample	Total/NA	Water	1010	

##### Analysis Batch: 513794

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-16351-1	Injection Well	Total/NA	Water	D1498-00	
885-16351-1 DU	Injection Well	Total/NA	Water	D1498-00	

##### Prep Batch: 514576

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-16351-1	Injection Well	Total/NA	Water	7.3.4	
MB 570-514576/1-A	Method Blank	Total/NA	Water	7.3.4	
LCS 570-514576/2-A	Lab Control Sample	Total/NA	Water	7.3.4	
LCSD 570-514576/3-A	Lab Control Sample Dup	Total/NA	Water	7.3.4	

##### Analysis Batch: 514655

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-16351-1	Injection Well	Total/NA	Water	9034	514576
MB 570-514576/1-A	Method Blank	Total/NA	Water	9034	514576
LCS 570-514576/2-A	Lab Control Sample	Total/NA	Water	9034	514576
LCSD 570-514576/3-A	Lab Control Sample Dup	Total/NA	Water	9034	514576

Eurofins Albuquerque

### QC Association Summary

Client: Western Refining  
Project/Site: Injection Well December 2024

Job ID: 885-16351-1

#### General Chemistry

##### Analysis Batch: 515308

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-16351-1	Injection Well	Total/NA	Water	9014	515374
MB 570-515374/1-A	Method Blank	Total/NA	Water	9014	515374
LCS 570-515374/2-A	Lab Control Sample	Total/NA	Water	9014	515374
LCSD 570-515374/3-A	Lab Control Sample Dup	Total/NA	Water	9014	515374

##### Prep Batch: 515374

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-16351-1	Injection Well	Total/NA	Water	7.3.3	
MB 570-515374/1-A	Method Blank	Total/NA	Water	7.3.3	
LCS 570-515374/2-A	Lab Control Sample	Total/NA	Water	7.3.3	
LCSD 570-515374/3-A	Lab Control Sample Dup	Total/NA	Water	7.3.3	

##### Analysis Batch: 518347

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-16351-1	Injection Well	Total/NA	Water	9040B	

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### Lab Chronicle

Client: Western Refining  
 Project/Site: Injection Well December 2024

Job ID: 885-16351-1

**Client Sample ID: Injection Well**

**Lab Sample ID: 885-16351-1**

**Date Collected: 12/04/24 10:02**

**Matrix: Water**

**Date Received: 12/05/24 06:35**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		200	17130	RA	EET ALB	12/05/24 23:16
Total/NA	Prep	3510C			17104	JM	EET ALB	12/05/24 11:43
Total/NA	Analysis	8270C		1	17714	MB	EET ALB	12/13/24 21:31
Total/NA	Prep	3510C			17368	JM	EET ALB	12/10/24 08:56
Total/NA	Analysis	8081B		10	18195	MB	EET ALB	12/20/24 13:37
Total/NA	Analysis	300.0		5	17071	ES	EET ALB	12/05/24 13:43
Total/NA	Analysis	300.0		5	17072	ES	EET ALB	12/05/24 13:43
Total/NA	Analysis	300.0		20	17071	ES	EET ALB	12/05/24 13:56
Dissolved	Analysis	200.7 Rev 4.4		5	17294	VP	EET ALB	12/09/24 08:14
Dissolved	Analysis	200.7 Rev 4.4		1	17294	VP	EET ALB	12/09/24 08:24
Total Recoverable	Prep	3005A			17187	JE	EET ALB	12/06/24 11:21
Total Recoverable	Analysis	6020A		5	17518	ES	EET ALB	12/11/24 10:43
Total/NA	Prep	7470A			17321	JR	EET ALB	12/09/24 14:09
Total/NA	Analysis	7470A		1	17484	JR	EET ALB	12/10/24 16:46
Total/NA	Analysis	1010		1	512367	UAPD	EET CAL 4	12/10/24 19:40
Total/NA	Analysis	2540C		1	17665	KS	EET ALB	12/12/24 15:24
Total/NA	Prep	7.3.3			515374	UAPD	EET CAL 4	12/17/24 18:30
Total/NA	Analysis	9014		1	515308	UAPD	EET CAL 4	12/17/24 19:48
Total/NA	Prep	7.3.4			514576	UAPD	EET CAL 4	12/10/24 16:38
Total/NA	Analysis	9034		1	514655	UAPD	EET CAL 4	12/10/24 22:57
Total/NA	Analysis	9040B		1	518347	DL2G	EET CAL 4	12/27/24 16:45
Total/NA	Analysis	D1498-00		1	513794	U8XP	EET CAL 4	12/13/24 18:54
Total/NA	Analysis	SM 2320B		1	17268	KB	EET ALB	12/06/24 15:49
Total/NA	Analysis	SM 2510B		1	17269	KB	EET ALB	12/06/24 15:49
Total/NA	Analysis	SM 2710F		1	17895	RC	EET ALB	12/17/24 08:35
Total/NA	Analysis	SM 4500 H+ B		1	17270	KB	EET ALB	12/06/24 15:49

**Laboratory References:**

EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975  
 EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

### Accreditation/Certification Summary

Client: Western Refining  
 Project/Site: Injection Well December 2024

Job ID: 885-16351-1

#### Laboratory: Eurofins Albuquerque

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New Mexico	State	NM9425, NM0901	02-26-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
200.7 Rev 4.4		Water	Calcium
200.7 Rev 4.4		Water	Magnesium
200.7 Rev 4.4		Water	Potassium
200.7 Rev 4.4		Water	Sodium
2540C		Water	Total Dissolved Solids
300.0		Water	Bromide
300.0		Water	Chloride
300.0		Water	Fluoride
300.0		Water	Nitrate
300.0		Water	Nitrite
300.0		Water	Orthophosphate as P
300.0		Water	Sulfate
6020A	3005A	Water	Arsenic
6020A	3005A	Water	Barium
6020A	3005A	Water	Cadmium
6020A	3005A	Water	Chromium
6020A	3005A	Water	Lead
6020A	3005A	Water	Selenium
6020A	3005A	Water	Silver
7470A	7470A	Water	Mercury
8081B	3510C	Water	Chlorodane
8260B		Water	1,1-Dichloroethene
8260B		Water	1,2-Dichloroethane (EDC)
8260B		Water	1,4-Dichlorobenzene
8260B		Water	2-Butanone
8260B		Water	Benzene
8260B		Water	Carbon tetrachloride
8260B		Water	Chlorobenzene
8260B		Water	Chloroform
8260B		Water	Ethylbenzene
8260B		Water	Tetrachloroethene (PCE)
8260B		Water	Toluene
8260B		Water	Trichloroethene (TCE)
8260B		Water	Vinyl chloride
8260B		Water	Xylenes, Total
8270C	3510C	Water	2,4,5-Trichlorophenol
8270C	3510C	Water	2,4,6-Trichlorophenol
8270C	3510C	Water	2,4-Dinitrotoluene
8270C	3510C	Water	2-Methylphenol
8270C	3510C	Water	3 & 4 Methylphenol
8270C	3510C	Water	Cresols, Total
8270C	3510C	Water	Hexachlorobenzene
8270C	3510C	Water	Hexachlorobutadiene
8270C	3510C	Water	Hexachloroethane
8270C	3510C	Water	Nitrobenzene

Eurofins Albuquerque



### Accreditation/Certification Summary

Client: Western Refining  
 Project/Site: Injection Well December 2024

Job ID: 885-16351-1

#### Laboratory: Eurofins Albuquerque (Continued)

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8270C	3510C	Water	Pentachlorophenol
8270C	3510C	Water	Pyridine
SM 2320B		Water	Bicarbonate Alkalinity as CaCO3
SM 2320B		Water	Carbonate Alkalinity as CaCO3
SM 2320B		Water	Total Alkalinity as CaCO3
SM 2510B		Water	Specific Conductance
SM 2710F		Water	Specific Gravity
SM 4500 H+ B		Water	pH

#### Laboratory: Eurofins Calscience

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Arizona	State	AZ0830	11-16-25
Arkansas DEQ	State	88-01672	07-02-25
California	Los Angeles County Sanitation Districts	9257304	07-31-26
California	State	3082	07-31-25
Kansas	NELAP	E-10420	07-31-25
Nevada	State	CA00111	07-31-25
Oregon	NELAP	4175	02-02-25
USDA	US Federal Programs	525-23-159-97150	06-08-26
Washington	State	C916	10-11-25

# Chain-of-Custody Record

Client: **Western Refining**

Mailing Address: **50 CR 4990**

Phone #: **678-594-6377**

email or Fax [gfrussell@marathonpetroleum.com](mailto:gfrussell@marathonpetroleum.com)

QA/QC Package:  Standard  Level 4 (Full Validation)

Accreditation:  Az Compliance

NELAC  Other

EDD (Type)

Turn-Around Time:

Standard  Rush

Project Name: **Injection Well Decewmbor 2024**

Project #:

PO # **4900262320**

Project Manager:


**Gary Russell**

Sampler:

On Ice:  Yes  No

# of Coolers: **1**

Cooler Temp (including CF): **(0.1) 40.3 = 0.9** Yes




**HALL ENVIRONMENTAL  
ANALYSIS LAB**

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM  
Tel. 505-345-3975 Fax 505-345-3451

885-16351 COC



## Analysis Request

PH, Specific gravity	<input checked="" type="checkbox"/>								
C/A Balance Dissolved									
RCI and ORP				X					
RCRA 8 Metals					X				
Chlordane only by 8081						X			
8260 TCLP list + TEX							X		
8270 TCLP List								X	

Remarks:

Date:	12/4/2024	Time:	15:40	Relinquished by:	BRIAN NGUYEN	Via:	CHT WALKER	Date:	12/4/24	Time:	15:40
Date:	12/4/24	Time:	17:35	Relinquished by:	CHT WALKER	Via:	Courier	Date:	12/5/24	Time:	6:35

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

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**Eurofins Albuquerque**

4901 Hawkins NE  
Albuquerque, NM 87109  
Phone: 505-345-3975 Fax: 505-345-4107

**Chain of Custody Record**



<b>Client Information (Sub Contract Lab)</b>		Sampler: N/A		Lab PM: Bolte, Jackie		Carrier Tracking No(s): N/A		COC No: 885-3046.1			
Client Contact: Shipping/Receiving		Phone: N/A		E-Mail: jackie.bolte@et.eurofinsus.com		State of Origin: New Mexico		Page: Page 1 of 1			
Company: Eurofins Environment Testing Southwest,				Accreditations Required (See note): State - New Mexico				Job #: 885-16351-1			
Address: 2841 Dow Avenue, Suite 100,		Due Date Requested: 12/13/2024		<b>Analysis Requested</b>						Preservation Codes: -	
City: Tustin		TAT Requested (days): N/A									
State, Zip: CA, 92780		PO #: N/A									
Phone: 714-895-5494(Tel)		WO #: N/A									
Email: N/A		Project #: 88500037									
Project Name: Injection Well December 2024		SSOW#: N/A		Field Filtered Sample (Yes or No)		Perform MS/MSD (Yes or No)		Total Number of containers			
Site: N/A								Other: N/A			
<b>Sample Identification - Client ID (Lab ID)</b>		<b>Sample Date</b>	<b>Sample Time</b>	<b>Sample Type (C=Comp, G=grab)</b>	<b>Matrix (W=water, S=solid, O=waste/soil, BT=Tissue, A=Air)</b>	D1498_00/ Oxidation-Reduction Potential	9014_ ReactiveCN7.3.3 Reactive Cyanide	9034_ Reactive/7.3.4 Reactive Sulfide	9040B/ pH Only	1010/ Ignitability	<b>Special Instructions/Note:</b>
				Preservation Code:							
Injection Well (885-16351-1)		12/4/24	10:02 Mountain	G	Water	X	X	X	X	X	3
<p>Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte &amp; accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.</p>											
<b>Possible Hazard Identification</b>						<b>Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month)</b>					
Unconfirmed						<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months					
Deliverable Requested: I, II, III, IV, Other (specify)				Primary Deliverable Rank: 2		Special Instructions/QC Requirements:					
Empty Kit Relinquished by:				Date:		Time:		Method of Shipment:			
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:		Company:	
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:		Company:	
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:		Company:	
Custody Seals Intact: Δ Yes Δ No		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks: 544 3-i 14.1							

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### Login Sample Receipt Checklist

Client: Western Refining

Job Number: 885-16351-1

**Login Number: 16351**

**List Source: Eurofins Albuquerque**

**List Number: 1**

**Creator: McQuiston, Steven**

Question	Answer	Comment
Radioactivity wasn't checked or is <=/ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	False	Refer to Job Narrative for details.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

### Login Sample Receipt Checklist

Client: Western Refining

Job Number: 885-16351-1

**Login Number: 16351**

**List Number: 2**

**Creator: Cortez Diaz, Antonio**

**List Source: Eurofins Calscience**

**List Creation: 12/06/24 04:00 PM**

Question	Answer	Comment
Radioactivity wasn't checked or is <=/ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	Not present
Sample custody seals, if present, are intact.	N/A	Not Present
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	4.1
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



Environment Testing

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# ANALYTICAL REPORT

## PREPARED FOR

Attn: Matt Krakow  
Western Refining  
50 County Road 4990  
Bloomfield, New Mexico 87413  
Generated 4/13/2024 1:45:48 PM

## JOB DESCRIPTION

Bloomfield Terminal

## JOB NUMBER

885-2321-1

Eurofins Albuquerque  
4901 Hawkins NE  
Albuquerque NM 87109





# Eurofins Albuquerque

## Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

## Authorization



Generated  
4/13/2024 1:45:48 PM

Authorized for release by  
Andy Freeman, Business Unit Manager  
[andy.freeman@et.eurofinsus.com](mailto:andy.freeman@et.eurofinsus.com)  
(505)345-3975

Client: Western Refining  
Project/Site: Bloomfield Terminal

Laboratory Job ID: 885-2321-1



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## Definitions/Glossary

Client: Western Refining  
Project/Site: Bloomfield Terminal

Job ID: 885-2321-1

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

# Case Narrative

Client: Western Refining  
Project: Bloomfield Terminal

Job ID: 885-2321-1

**Job ID: 885-2321-1**

**Eurofins Albuquerque**

## Job Narrative 885-2321-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

### Receipt

The sample was received on 4/4/2024 7:40 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -1.7°C.

### General Chemistry

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Eurofins Albuquerque



### Client Sample Results

Client: Western Refining  
Project/Site: Bloomfield Terminal

Job ID: 885-2321-1

**Client Sample ID: Injection Well**

**Lab Sample ID: 885-2321-1**

Date Collected: 04/03/24 12:15

Matrix: Water

Date Received: 04/04/24 07:40

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint (SW846 1010)	>180		1.00	1.00	Degrees F			04/12/24 14:42	1

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# QC Association Summary

Client: Western Refining  
Project/Site: Bloomfield Terminal

Job ID: 885-2321-1

## General Chemistry

### Analysis Batch: 154568

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-2321-1	Injection Well	Total/NA	Water	1010	
LCS 860-154568/1	Lab Control Sample	Total/NA	Water	1010	

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# Lab Chronicle

Client: Western Refining  
Project/Site: Bloomfield Terminal

Job ID: 885-2321-1

**Client Sample ID: Injection Well**

**Lab Sample ID: 885-2321-1**

**Date Collected: 04/03/24 12:15**

**Matrix: Water**

**Date Received: 04/04/24 07:40**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1010		1	154568	MLEI	EET HOU	04/12/24 14:42

**Laboratory References:**

EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

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# Accreditation/Certification Summary

Client: Western Refining  
Project/Site: Bloomfield Terminal

Job ID: 885-2321-1

## Laboratory: Eurofins Houston

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Arkansas DEQ	State	88-00759	08-03-24
Florida	NELAP	E871002	06-30-24
Louisiana (All)	NELAP	03054	06-30-24
Oklahoma	NELAP	1306	08-31-24
Oklahoma	State	2023-139	08-31-24
Texas	NELAP	T104704215	06-30-24
Texas	TCEQ Water Supply	T104704215	12-28-25
USDA	US Federal Programs	525-23-79-79507	03-20-26



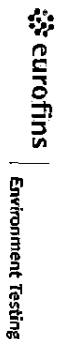




Eurofins Albuquerque

4901 Hawkins NE  
Albuquerque, NM 87109  
Phone: 505-345-3975 Fax: 505-345-4107

Chain of Custody Record



Client Information (Sub Contract Lab)

Client Contact:  
Shipping/Receiving

Phone:  
Company:  
Eurofins Environment Testing South Cent

Lab P.N.:  
E-Mail:  
Accreditations Required (See note):

Freeman, Andy  
andy.freeman@eurofins.com  
State New Mexico

Carrier Tracking No(s):  
State of Origin:  
Page 1 of 1

COC No:  
Page:  
Job #:

Address:  
4145 Greenbar Dr

City:  
Stanford

State, Zip:  
TX, 77477

Phone:  
281-240-4200(Tel)

Email:  
Project #:  
88500037

Project Name:  
Bloomfield Terminal

Site:  
SSC/NW:

Due Date Requested:  
4/15/2024

TAT Requested (days):

PO #:

WO #:

Project #:  
88500037

SSC/NW:

Sample Date:  
4/3/24

Sample Time:  
12:15

Sample Type:  
G=Comp, G=grab

Matrix:  
Water

Injection Well (985-2321-1)

Analysis Requested

Special Instructions/Note:  
H2368  
26  
2.8

Return To Client  
Disposal By Lab  
Archive For

Months

Special Instructions/QC Requirements:

Primary Deliverable Rank: 2

Empty Kit Relinquished by:

Relinquished by:

Relinquished by:

Custody Seals Intact:

Delta Yes Delta No

Custody Seal No.



### Login Sample Receipt Checklist

Client: Western Refining

Job Number: 885-2321-1

**Login Number: 2321**

**List Source: Eurofins Albuquerque**

**List Number: 1**

**Creator: Casarrubias, Tracy**

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	Samples not Frozen
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



### Login Sample Receipt Checklist

Client: Western Refining

Job Number: 885-2321-1

**Login Number: 2321**

**List Number: 2**

**Creator: Baker, Jeremiah**

**List Source: Eurofins Houston**

**List Creation: 04/05/24 10:04 AM**

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	





Environment Testing

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# ANALYTICAL REPORT

## PREPARED FOR

Attn: Gary Russell  
Western Refining  
50 County Road 4990  
Bloomfield, New Mexico 87413

Generated 6/4/2024 1:29:11 PM

## JOB DESCRIPTION

Bloomfield Terminal

## JOB NUMBER

885-5003-1

Eurofins Albuquerque  
4901 Hawkins NE  
Albuquerque NM 87109



# Eurofins Albuquerque

## Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

## Authorization



Generated  
6/4/2024 1:29:11 PM

Authorized for release by  
Andy Freeman, Business Unit Manager  
[andy.freeman@et.eurofinsus.com](mailto:andy.freeman@et.eurofinsus.com)  
(505)345-3975

Client: Western Refining  
Project/Site: Bloomfield Terminal

Laboratory Job ID: 885-5003-1



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## Definitions/Glossary

Client: Western Refining  
Project/Site: Bloomfield Terminal

Job ID: 885-5003-1

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

# Case Narrative

Client: Western Refining  
Project: Bloomfield Terminal

Job ID: 885-5003-1

**Job ID: 885-5003-1**

**Eurofins Albuquerque**

## Job Narrative 885-5003-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

### Receipt

The sample was received on 5/23/2024 6:39 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.4°C.

### General Chemistry

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Eurofins Albuquerque



### Client Sample Results

Client: Western Refining  
Project/Site: Bloomfield Terminal

Job ID: 885-5003-1

**Client Sample ID: Injection Well 5-22**

**Lab Sample ID: 885-5003-1**

Date Collected: 05/22/24 12:30

Matrix: Water

Date Received: 05/23/24 06:39

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint (SW846 1010)	>180		1.00	1.00	Degrees F			06/04/24 10:12	1

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### QC Association Summary

Client: Western Refining  
Project/Site: Bloomfield Terminal

Job ID: 885-5003-1

#### General Chemistry

#### Analysis Batch: 163913

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-5003-1	Injection Well 5-22	Total/NA	Water	1010	
LCS 860-163913/1	Lab Control Sample	Total/NA	Water	1010	

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### Lab Chronicle

Client: Western Refining  
Project/Site: Bloomfield Terminal

Job ID: 885-5003-1

**Client Sample ID: Injection Well 5-22**

**Lab Sample ID: 885-5003-1**

Date Collected: 05/22/24 12:30

Matrix: Water

Date Received: 05/23/24 06:39

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1010		1	163913	MK	EET HOU	06/04/24 10:12

**Laboratory References:**

EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

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### Accreditation/Certification Summary

Client: Western Refining  
Project/Site: Bloomfield Terminal

Job ID: 885-5003-1

#### Laboratory: Eurofins Houston

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Arkansas DEQ	State	88-00759	08-03-24
Florida	NELAP	E871002	06-30-24
Louisiana (All)	NELAP	03054	06-30-24
Oklahoma	NELAP	1306	08-31-24
Oklahoma	State	2023-139	08-31-24
Texas	NELAP	T104704215	06-30-24
Texas	TCEQ Water Supply	T104704215	12-28-25
USDA	US Federal Programs	525-23-79-79507	03-20-26



### Chain-of-Custody Record

Client: Western Refining

Mailing Address: \_\_\_\_\_

Phone #: \_\_\_\_\_

email or Fax#: gfrassell@marathonpetroleum.com

QA/QC Package  Standard  Level 4 (Full Validation)

Accreditation  NELAP  Other \_\_\_\_\_

EDD (Type) \_\_\_\_\_

Turn-Around Time: \_\_\_\_\_

Standard  Rush

Project Name: Bloomfield Terminal

Project #: 4900110659

Project Manager: Gary Russe  
Stewart Hyde - Ensolium

Sampler: E. Carroll


On Ice:  Yes  No

Sample Temperature: 2.4 ± 0.2 - 2.4 ± 0.2

Container Type and # 1 Soeml Cool

Preservative Type \_\_\_\_\_

HEAL No. \_\_\_\_\_



**HALL ENVIRONMENTAL ANALYSIS LABOR**

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87105

885-5003 COC

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request	
BTEX + MTBE + TMB's (8021)	
BTEX + MTBE + TPH (Gas only)	
TPH 8015B (GRO / DRO / MRO)	
TPH (Method 418.1)	
EDB (Method 504.1)	
PAH's (8310 or 8270 SIMS)	
RCRA 8 Metals	
Anions (F, Cl, NO <sub>3</sub> , NO <sub>2</sub> , PO <sub>4</sub> , SO <sub>4</sub> )	
8081 Pesticides / 8082 PCB's	
8260B (VOA)	
8270 (Semi-VOA)	
<del>Ignite-biter</del>	X
Flash Point	
Air Bubbles (Y or N)	

Received by [Signature] Date 5/22/24 Time 1502

Relinquished by [Signature]

Received by [Signature] Date 5/23/24 Time 1639

Relinquished by [Signature]

Remarks: \_\_\_\_\_

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.



### Login Sample Receipt Checklist

Client: Western Refining

Job Number: 885-5003-1

**Login Number: 5003**

**List Source: Eurofins Albuquerque**

**List Number: 1**

**Creator: Casarrubias, Tracy**

Question	Answer	Comment
Radioactivity wasn't checked or is <=/ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



### Login Sample Receipt Checklist

Client: Western Refining

Job Number: 885-5003-1

Login Number: 5003

List Source: Eurofins Houston

List Number: 2

List Creation: 05/24/24 01:42 PM

Creator: Baker, Jeremiah

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	





Environment Testing

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# ANALYTICAL REPORT

## PREPARED FOR

Attn: Gary Russell  
Western Refining  
50 County Road 4990  
Bloomfield, New Mexico 87413

Generated 6/25/2024 9:38:22 PM

## JOB DESCRIPTION

Bloomfield Terminal

## JOB NUMBER

885-6595-1

Eurofins Albuquerque  
4901 Hawkins NE  
Albuquerque NM 87109



# Eurofins Albuquerque

## Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

## Authorization



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6/25/2024 9:38:22 PM

Authorized for release by  
Andy Freeman, Business Unit Manager  
[andy.freeman@et.eurofinsus.com](mailto:andy.freeman@et.eurofinsus.com)  
(505)345-3975



Client: Western Refining  
Project/Site: Bloomfield Terminal

Laboratory Job ID: 885-6595-1



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## Definitions/Glossary

Client: Western Refining  
Project/Site: Bloomfield Terminal

Job ID: 885-6595-1

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

# Case Narrative

Client: Western Refining  
Project: Bloomfield Terminal

Job ID: 885-6595-1

**Job ID: 885-6595-1**

**Eurofins Albuquerque**

## Job Narrative 885-6595-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

### Receipt

The sample was received on 6/20/2024 7:05 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.3°C.

### General Chemistry

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Eurofins Albuquerque



### Client Sample Results

Client: Western Refining  
Project/Site: Bloomfield Terminal

Job ID: 885-6595-1

**Client Sample ID: IW 6-19**  
Date Collected: 06/19/24 13:00  
Date Received: 06/20/24 07:05

**Lab Sample ID: 885-6595-1**  
Matrix: Water

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint (SW846 1010)	>180		1.00	1.00	Degrees F			06/25/24 09:03	1

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### QC Sample Results

Client: Western Refining  
Project/Site: Bloomfield Terminal

Job ID: 885-6595-1

#### Method: 1010 - Ignitability, Pensky-Martens Closed-Cup Method

Lab Sample ID: 885-6595-1 DU  
Matrix: Water  
Analysis Batch: 167907

Client Sample ID: IW 6-19  
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Flashpoint	>180		>180.0		Degrees F		NC	25

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### QC Association Summary

Client: Western Refining  
Project/Site: Bloomfield Terminal

Job ID: 885-6595-1

#### General Chemistry

#### Analysis Batch: 167907

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-6595-1	IW 6-19	Total/NA	Water	1010	
LCS 860-167907/1	Lab Control Sample	Total/NA	Water	1010	
885-6595-1 DU	IW 6-19	Total/NA	Water	1010	

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### Lab Chronicle

Client: Western Refining  
Project/Site: Bloomfield Terminal

Job ID: 885-6595-1

**Client Sample ID: IW 6-19**  
**Date Collected: 06/19/24 13:00**  
**Date Received: 06/20/24 07:05**

**Lab Sample ID: 885-6595-1**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1010		1	167907	MK	EET HOU	06/25/24 09:03

**Laboratory References:**

EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

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### Accreditation/Certification Summary

Client: Western Refining  
Project/Site: Bloomfield Terminal

Job ID: 885-6595-1

#### Laboratory: Eurofins Houston

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Arkansas DEQ	State	88-00759	08-03-24
Florida	NELAP	E871002	06-30-24
Louisiana (All)	NELAP	03054	06-30-24
Oklahoma	NELAP	1306	08-31-24
Oklahoma	State	2023-139	08-31-24
Texas	NELAP	T104704215	06-30-24
Texas	TCEQ Water Supply	T104704215	12-28-25
USDA	US Federal Programs	525-23-79-79507	03-20-26

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### Login Sample Receipt Checklist

Client: Western Refining

Job Number: 885-6595-1

**Login Number: 6595**

**List Source: Eurofins Albuquerque**

**List Number: 1**

**Creator: McQuiston, Steven**

Question	Answer	Comment
Radioactivity wasn't checked or is <=/ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

### Login Sample Receipt Checklist

Client: Western Refining

Job Number: 885-6595-1

Login Number: 6595

List Source: Eurofins Houston

List Number: 2

List Creation: 06/21/24 11:35 AM

Creator: Baker, Jeremiah

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	





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# ANALYTICAL REPORT

## PREPARED FOR

Attn: Gary Russell  
Western Refining  
50 County Road 4990  
Bloomfield, New Mexico 87413

Generated 7/31/2024 2:58:26 PM

## JOB DESCRIPTION

BT

## JOB NUMBER

885-8188-1

Eurofins Albuquerque  
4901 Hawkins NE  
Albuquerque NM 87109



# Eurofins Albuquerque

## Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

## Authorization



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Authorized for release by  
Jackie Bolte, Project Manager  
[jackie.bolte@et.eurofinsus.com](mailto:jackie.bolte@et.eurofinsus.com)  
(505)345-3975

Client: Western Refining  
Project/Site: BT

Laboratory Job ID: 885-8188-1



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## Definitions/Glossary

Client: Western Refining  
Project/Site: BT

Job ID: 885-8188-1

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

# Case Narrative

Client: Western Refining  
Project: BT

Job ID: 885-8188-1

**Job ID: 885-8188-1**

**Eurofins Albuquerque**

## Job Narrative 885-8188-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

### Receipt

The sample was received on 7/18/2024 6:27 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.7°C.

### General Chemistry

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Eurofins Albuquerque





### Client Sample Results

Client: Western Refining  
Project/Site: BT

Job ID: 885-8188-1

**Client Sample ID: IJW-7-17**

**Lab Sample ID: 885-8188-1**

Date Collected: 07/17/24 11:45

Matrix: Water

Date Received: 07/18/24 06:27

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint (SW846 1010)	>180		1.00	1.00	Degrees F			07/31/24 11:26	1

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### QC Association Summary

Client: Western Refining  
Project/Site: BT

Job ID: 885-8188-1

#### General Chemistry

#### Analysis Batch: 178695

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-8188-1	IJW-7-17	Total/NA	Water	1010	
LCS 860-178695/1	Lab Control Sample	Total/NA	Water	1010	

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### Lab Chronicle

Client: Western Refining  
Project/Site: BT

Job ID: 885-8188-1

**Client Sample ID: IJW-7-17**

**Lab Sample ID: 885-8188-1**

**Date Collected: 07/17/24 11:45**

**Matrix: Water**

**Date Received: 07/18/24 06:27**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1010		1	178695	AC	EET HOU	07/31/24 11:26

**Laboratory References:**

EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

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### Accreditation/Certification Summary

Client: Western Refining  
Project/Site: BT

Job ID: 885-8188-1

#### Laboratory: Eurofins Houston

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Arkansas DEQ	State	88-00759	08-03-24
Florida	NELAP	E871002	06-30-25
Louisiana (All)	NELAP	03054	06-30-25
Oklahoma	NELAP	1306	08-31-24
Oklahoma	State	2023-139	08-31-24
Texas	NELAP	T104704215	06-30-25
Texas	TCEQ Water Supply	T104704215	12-28-25
USDA	US Federal Programs	525-23-79-79507	03-20-26







### Login Sample Receipt Checklist

Client: Western Refining

Job Number: 885-8188-1

**Login Number: 8188**

**List Source: Eurofins Albuquerque**

**List Number: 1**

**Creator: Casarrubias, Tracy**

Question	Answer	Comment
Radioactivity wasn't checked or is <=/ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



### Login Sample Receipt Checklist

Client: Western Refining

Job Number: 885-8188-1

**Login Number: 8188**

**List Source: Eurofins Houston**

**List Number: 2**

**List Creation: 07/19/24 11:54 AM**

**Creator: Torrez, Lisandra**

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	







Environment Testing

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# ANALYTICAL REPORT

## PREPARED FOR

Attn: Gary Russell  
 Western Refining  
 50 County Road 4990  
 Bloomfield, New Mexico 87413

Generated 4/25/2024 4:34:48 PM

## JOB DESCRIPTION

BT

## JOB NUMBER

885-3139-1

Eurofins Albuquerque  
 4901 Hawkins NE  
 Albuquerque NM 87109



# Eurofins Albuquerque

## Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

## Authorization



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Authorized for release by  
Andy Freeman, Business Unit Manager  
[andy.freeman@et.eurofinsus.com](mailto:andy.freeman@et.eurofinsus.com)  
(505)345-3975

Client: Western Refining  
Project/Site: BT

Laboratory Job ID: 885-3139-1

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## Definitions/Glossary

Client: Western Refining  
Project/Site: BT

Job ID: 885-3139-1

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

# Case Narrative

Client: Western Refining  
Project: BT

Job ID: 885-3139-1

**Job ID: 885-3139-1**

**Eurofins Albuquerque**

## Job Narrative 885-3139-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

### Receipt

The samples were received on 4/19/2024 7:25 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.6°C.

### HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Eurofins Albuquerque



### Client Sample Results

Client: Western Refining  
Project/Site: BT

Job ID: 885-3139-1

**Client Sample ID: MW-53**  
Date Collected: 04/17/24 11:20  
Date Received: 04/19/24 07:25

**Lab Sample ID: 885-3139-1**  
Matrix: Water

**Method: EPA 300.0 - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	760		50	25	mg/L			04/20/24 20:48	100
Sulfate	1100		50	25	mg/L			04/20/24 20:48	100

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### Client Sample Results

Client: Western Refining  
Project/Site: BT

Job ID: 885-3139-1

**Client Sample ID: MW-52**  
**Date Collected: 04/17/24 11:45**  
**Date Received: 04/19/24 07:25**

**Lab Sample ID: 885-3139-2**  
**Matrix: Water**

**Method: EPA 300.0 - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1700		50	25	mg/L			04/20/24 21:13	100
Sulfate	1400		50	25	mg/L			04/20/24 21:13	100

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# Client Sample Results

Client: Western Refining  
Project/Site: BT

Job ID: 885-3139-1

**Client Sample ID: MW-68**  
Date Collected: 04/17/24 12:22  
Date Received: 04/19/24 07:25

**Lab Sample ID: 885-3139-3**  
Matrix: Water

**Method: EPA 300.0 - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	490		50	25	mg/L			04/20/24 22:02	100
Sulfate	840		50	25	mg/L			04/20/24 22:02	100

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### Client Sample Results

Client: Western Refining  
Project/Site: BT

Job ID: 885-3139-1

**Client Sample ID: MW-63**  
Date Collected: 04/18/24 14:20  
Date Received: 04/19/24 07:25

**Lab Sample ID: 885-3139-4**  
Matrix: Water

**Method: EPA 300.0 - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	180		50	25	mg/L			04/20/24 22:27	100
Sulfate	1500		50	25	mg/L			04/20/24 22:27	100

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### Client Sample Results

Client: Western Refining  
Project/Site: BT

Job ID: 885-3139-1

**Client Sample ID: MW-62**  
Date Collected: 04/18/24 14:40  
Date Received: 04/19/24 07:25

**Lab Sample ID: 885-3139-5**  
Matrix: Water

**Method: EPA 300.0 - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	13		5.0	2.5	mg/L			04/20/24 22:39	10
Sulfate	3800		50	25	mg/L			04/20/24 22:51	100

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### QC Sample Results

Client: Western Refining  
Project/Site: BT

Job ID: 885-3139-1

#### Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-3651/4  
Matrix: Water  
Analysis Batch: 3651

Client Sample ID: Method Blank  
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.25		0.50	0.25	mg/L			04/20/24 09:27	1
Sulfate	<0.25		0.50	0.25	mg/L			04/20/24 09:27	1

Lab Sample ID: MB 885-3651/54  
Matrix: Water  
Analysis Batch: 3651

Client Sample ID: Method Blank  
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.25		0.50	0.25	mg/L			04/20/24 19:46	1
Sulfate	<0.25		0.50	0.25	mg/L			04/20/24 19:46	1

Lab Sample ID: LCS 885-3651/5  
Matrix: Water  
Analysis Batch: 3651

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	5.00	4.70		mg/L		94	90 - 110
Sulfate	10.0	9.60		mg/L		96	90 - 110

Lab Sample ID: LCS 885-3651/55  
Matrix: Water  
Analysis Batch: 3651

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	5.00	4.68		mg/L		94	90 - 110
Sulfate	10.0	9.52		mg/L		95	90 - 110

Lab Sample ID: MRL 885-3651/3  
Matrix: Water  
Analysis Batch: 3651

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	0.500	0.524		mg/L		105	50 - 150
Sulfate	0.500	0.515		mg/L		103	50 - 150

### QC Association Summary

Client: Western Refining  
Project/Site: BT

Job ID: 885-3139-1

#### HPLC/IC

#### Analysis Batch: 3651

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-3139-1	MW-53	Total/NA	Water	300.0	
885-3139-2	MW-52	Total/NA	Water	300.0	
885-3139-3	MW-68	Total/NA	Water	300.0	
885-3139-4	MW-63	Total/NA	Water	300.0	
885-3139-5	MW-62	Total/NA	Water	300.0	
885-3139-5	MW-62	Total/NA	Water	300.0	
MB 885-3651/4	Method Blank	Total/NA	Water	300.0	
MB 885-3651/54	Method Blank	Total/NA	Water	300.0	
LCS 885-3651/5	Lab Control Sample	Total/NA	Water	300.0	
LCS 885-3651/55	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-3651/3	Lab Control Sample	Total/NA	Water	300.0	

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# Lab Chronicle

Client: Western Refining  
Project/Site: BT

Job ID: 885-3139-1

**Client Sample ID: MW-53**  
**Date Collected: 04/17/24 11:20**  
**Date Received: 04/19/24 07:25**

**Lab Sample ID: 885-3139-1**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	300.0		100	3651	SS	EET ALB	04/20/24 20:48

**Client Sample ID: MW-52**  
**Date Collected: 04/17/24 11:45**  
**Date Received: 04/19/24 07:25**

**Lab Sample ID: 885-3139-2**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	300.0		100	3651	SS	EET ALB	04/20/24 21:13

**Client Sample ID: MW-68**  
**Date Collected: 04/17/24 12:22**  
**Date Received: 04/19/24 07:25**

**Lab Sample ID: 885-3139-3**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	300.0		100	3651	SS	EET ALB	04/20/24 22:02

**Client Sample ID: MW-63**  
**Date Collected: 04/18/24 14:20**  
**Date Received: 04/19/24 07:25**

**Lab Sample ID: 885-3139-4**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	300.0		100	3651	SS	EET ALB	04/20/24 22:27

**Client Sample ID: MW-62**  
**Date Collected: 04/18/24 14:40**  
**Date Received: 04/19/24 07:25**

**Lab Sample ID: 885-3139-5**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	300.0		10	3651	SS	EET ALB	04/20/24 22:39
Total/NA	Analysis	300.0		100	3651	SS	EET ALB	04/20/24 22:51

**Laboratory References:**

EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

# Accreditation/Certification Summary

Client: Western Refining  
Project/Site: BT

Job ID: 885-3139-1

## Laboratory: Eurofins Albuquerque

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New Mexico	State	NM9425, NM0901	02-26-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
300.0		Water	Chloride
300.0		Water	Sulfate

- 1
- 2
- 3
- 4
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- 10
- 11

# Chain-of-Custody Record

Client: Western Refining

Mailing Address:

Phone #: 4900110659

email or Fax#: sfussler@marathonpetroleum.com

QA/QC Package:  Standard  Level 4 (Full Validation)

Accreditation:  Az Compliance  NELAC  Other

EDD (Type) xci

Turn-Around Time:  Standard  Rush

Project Name: BT

Project #: 4900110659

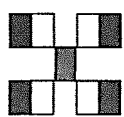
Project Manager: Stuart Hyde

Sampler: E. Corroll

On Ice:  Yes  No

# of Coolers: 1

Cooler Temp (including CF): 17-0.15(17°C)



**HALL ENVIRONMENTAL ANALYSIS LABORATORY**



www.hallenvironmental.com  
 4901 Hawkins NE - Albuquerque, NM 87109  
 Tel. 505-345-3975 Fax 505-345-4107

885-3139 COC

## Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO <sub>3</sub> , NO <sub>2</sub> , PO <sub>4</sub> , SO <sub>4</sub>	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)	Chloride	Sulfate
4-17	11:20	G-W	MW-53	1 Poly	Cool												X	X
	11:45		MW-52														X	X
	12:22		MW-68														X	X
4-18	14:20		MW-63														X	X
4-18	14:40		MW-62														X	X

Remarks: cc: Shyde@ensolum.com

Received-by: [Signature] Date: 4/16/24 Time: 7:25

Relinquished by: [Signature] Date: 4/16/24 Time: 7:25

Received-by: [Signature] Date: 4/16/24 Time: 7:25

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.



### Login Sample Receipt Checklist

Client: Western Refining

Job Number: 885-3139-1

**Login Number: 3139**

**List Source: Eurofins Albuquerque**

**List Number: 1**

**Creator: Dominguez, Desiree**

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	





Environment Testing

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# ANALYTICAL REPORT

## PREPARED FOR

Attn: Gary Russell  
Western Refining  
50 County Road 4990  
Bloomfield, New Mexico 87413

Generated 11/25/2024 3:55:10 PM

## JOB DESCRIPTION

BT

## JOB NUMBER

885-15697-1

Eurofins Albuquerque  
4901 Hawkins NE  
Albuquerque NM 87109



# Eurofins Albuquerque

## Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

## Authorization



Generated  
11/25/2024 3:55:10 PM

Authorized for release by  
Jackie Bolte, Project Manager  
[jackie.bolte@et.eurofinsus.com](mailto:jackie.bolte@et.eurofinsus.com)  
(505)345-3975

Client: Western Refining  
Project/Site: BT

Laboratory Job ID: 885-15697-1

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## Definitions/Glossary

Client: Western Refining  
Project/Site: BT

Job ID: 885-15697-1

## Qualifiers

## HPLC/IC

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

# Case Narrative

Client: Western Refining  
Project: BT

Job ID: 885-15697-1

**Job ID: 885-15697-1**

**Eurofins Albuquerque**

## Job Narrative 885-15697-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

### Receipt

The samples were received on 11/21/2024 6:35 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.9°C.

### HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Eurofins Albuquerque



### Client Sample Results

Client: Western Refining  
Project/Site: BT

Job ID: 885-15697-1

**Client Sample ID: MW-52**

**Lab Sample ID: 885-15697-1**

Date Collected: 11/20/24 12:10

Matrix: Water

Date Received: 11/21/24 06:35

**Method: EPA 300.0 - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	200		50	25	mg/L			11/21/24 11:33	100
Sulfate	1600		50	25	mg/L			11/21/24 11:33	100

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### Client Sample Results

Client: Western Refining  
Project/Site: BT

Job ID: 885-15697-1

**Client Sample ID: MW-53**

**Lab Sample ID: 885-15697-2**

Date Collected: 11/20/24 12:30

Matrix: Water

Date Received: 11/21/24 06:35

**Method: EPA 300.0 - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	790		50	25	mg/L			11/21/24 11:55	100
Sulfate	1100		50	25	mg/L			11/21/24 11:55	100

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### Client Sample Results

Client: Western Refining  
Project/Site: BT

Job ID: 885-15697-1

**Client Sample ID: MW 62**

**Lab Sample ID: 885-15697-3**

Date Collected: 11/20/24 13:50

Matrix: Water

Date Received: 11/21/24 06:35

**Method: EPA 300.0 - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	13		5.0	2.5	mg/L			11/21/24 12:06	10
Sulfate	4400		50	25	mg/L			11/21/24 12:17	100

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### Client Sample Results

Client: Western Refining  
Project/Site: BT

Job ID: 885-15697-1

**Client Sample ID: MW 63**

**Lab Sample ID: 885-15697-4**

Date Collected: 11/20/24 13:15

Matrix: Water

Date Received: 11/21/24 06:35

**Method: EPA 300.0 - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	190		50	25	mg/L			11/21/24 13:02	100
Sulfate	1300		50	25	mg/L			11/21/24 13:02	100

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### Client Sample Results

Client: Western Refining  
Project/Site: BT

Job ID: 885-15697-1

**Client Sample ID: MW 68**  
Date Collected: 11/20/24 11:15  
Date Received: 11/21/24 06:35

**Lab Sample ID: 885-15697-5**  
Matrix: Water

**Method: EPA 300.0 - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	350		50	25	mg/L			11/21/24 13:24	100
Sulfate	710		50	25	mg/L			11/21/24 13:24	100

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### Client Sample Results

Client: Western Refining  
Project/Site: BT

Job ID: 885-15697-1

**Client Sample ID: MW 78**  
Date Collected: 11/20/24 11:45  
Date Received: 11/21/24 06:35

**Lab Sample ID: 885-15697-6**  
Matrix: Water

**Method: EPA 300.0 - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	300		50	25	mg/L			11/21/24 13:46	100
Sulfate	690		50	25	mg/L			11/21/24 13:46	100

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### QC Sample Results

Client: Western Refining  
Project/Site: BT

Job ID: 885-15697-1

#### Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-16343/4  
Matrix: Water  
Analysis Batch: 16343

Client Sample ID: Method Blank  
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.25		0.50	0.25	mg/L			11/21/24 08:47	1
Sulfate	<0.25		0.50	0.25	mg/L			11/21/24 08:47	1

Lab Sample ID: LCS 885-16343/5  
Matrix: Water  
Analysis Batch: 16343

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	5.00	4.93		mg/L		99	90 - 110
Sulfate	10.0	9.88		mg/L		99	90 - 110

Lab Sample ID: MRL 885-16343/3  
Matrix: Water  
Analysis Batch: 16343

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	0.500	0.515		mg/L		103	50 - 150
Sulfate	0.500	0.462	J	mg/L		92	50 - 150

### QC Association Summary

Client: Western Refining  
Project/Site: BT

Job ID: 885-15697-1

#### HPLC/IC

#### Analysis Batch: 16343

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-15697-1	MW-52	Total/NA	Water	300.0	
885-15697-2	MW-53	Total/NA	Water	300.0	
885-15697-3	MW 62	Total/NA	Water	300.0	
885-15697-3	MW 62	Total/NA	Water	300.0	
885-15697-4	MW 63	Total/NA	Water	300.0	
885-15697-5	MW 68	Total/NA	Water	300.0	
885-15697-6	MW 78	Total/NA	Water	300.0	
MB 885-16343/4	Method Blank	Total/NA	Water	300.0	
LCS 885-16343/5	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-16343/3	Lab Control Sample	Total/NA	Water	300.0	

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### Lab Chronicle

Client: Western Refining  
Project/Site: BT

Job ID: 885-15697-1

**Client Sample ID: MW-52**

**Lab Sample ID: 885-15697-1**

Date Collected: 11/20/24 12:10

Matrix: Water

Date Received: 11/21/24 06:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	300.0		100	16343	RC	EET ALB	11/21/24 11:33

**Client Sample ID: MW-53**

**Lab Sample ID: 885-15697-2**

Date Collected: 11/20/24 12:30

Matrix: Water

Date Received: 11/21/24 06:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	300.0		100	16343	RC	EET ALB	11/21/24 11:55

**Client Sample ID: MW 62**

**Lab Sample ID: 885-15697-3**

Date Collected: 11/20/24 13:50

Matrix: Water

Date Received: 11/21/24 06:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	300.0		10	16343	RC	EET ALB	11/21/24 12:06
Total/NA	Analysis	300.0		100	16343	RC	EET ALB	11/21/24 12:17

**Client Sample ID: MW 63**

**Lab Sample ID: 885-15697-4**

Date Collected: 11/20/24 13:15

Matrix: Water

Date Received: 11/21/24 06:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	300.0		100	16343	RC	EET ALB	11/21/24 13:02

**Client Sample ID: MW 68**

**Lab Sample ID: 885-15697-5**

Date Collected: 11/20/24 11:15

Matrix: Water

Date Received: 11/21/24 06:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	300.0		100	16343	RC	EET ALB	11/21/24 13:24

**Client Sample ID: MW 78**

**Lab Sample ID: 885-15697-6**

Date Collected: 11/20/24 11:45

Matrix: Water

Date Received: 11/21/24 06:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	300.0		100	16343	RC	EET ALB	11/21/24 13:46

**Laboratory References:**

EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

Eurofins Albuquerque

### Accreditation/Certification Summary

Client: Western Refining  
Project/Site: BT

Job ID: 885-15697-1

#### Laboratory: Eurofins Albuquerque

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New Mexico	State	NM9425, NM0901	02-26-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
300.0		Water	Chloride
300.0		Water	Sulfate

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11



**HALL ENVIRONMENTAL ANALYSIS LABOR**



www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 8710

885-15697 COC

Tel. 505-345-3975 Fax 505-345-4107

**Analysis Request**

BTX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCBs	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO <sub>3</sub> , NO <sub>2</sub> , PO <sub>4</sub> , SO <sub>4</sub>	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)	
									X	CL, SO <sub>4</sub>
									X	
									X	
									X	
									X	
									X	

Remarks: CC: ecarroll@ensolium.com

Turn-Around Time:  
 Standard  Rush  
 Project Name: BT

Project #: 4900110659

Project Manager:  
 Stuart Hyde - Ensolium

Sampler: E. Carroll  
 On Ice:  Yes  No  
 # of Coolers: 1  
 Cooler Temp (including CF): 0.646-3.0-9 (°C) 409

Container Type and #  
 Preservative Type  
 HEAL No.

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.
11-20	12:16	AQ	MW-52	1250	C001	1
	12:30		MW-53			2
	13:50		MW62			3
	13:15		MW63			4
	11:15		MW68			5
	11:45		MW78			6

Received by: E. Carroll  
 Date: 11/20/2024  
 Time: 12:15:05  
 Via: [Signature]

Received by: [Signature]  
 Date: 11/21/2024  
 Time: 6:35  
 Via: [Signature]

Chain-of-Custody Record  
 Client: Western Refining  
 Mailing Address: Gary Russer

Phone #: [Blank]  
 email or Fax#: [Blank]  
 QA/QC Package:  Standard  Level 4 (Full Validation)  
 Accreditation:  Az Compliance  NELAC  Other  
 EDD (Type): [Blank]

Date	Time	Relinquished by:	Relinquished by:
11-20	12:15	E. Carroll	[Signature]
11/20/24	17:27	[Signature]	[Signature]

Relinquished by: [Signature]  
 Date: 11/20/2024  
 Time: 12:15:05  
 Via: [Signature]

Relinquished by: [Signature]  
 Date: 11/21/2024  
 Time: 6:35  
 Via: [Signature]

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.





### Login Sample Receipt Checklist

Client: Western Refining

Job Number: 885-15697-1

Login Number: 15697

List Source: Eurofins Albuquerque

List Number: 1

Creator: McQuiston, Steven

Question	Answer	Comment
Radioactivity wasn't checked or is <=/ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



## **ATTACHMENT C**

---

### **Bradenhead Test Report:**



# NEW MEXICO ENERGY, MINERALS & NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION  
AZTEC DISTRICT OFFICE  
1000 RIO BRAZOS ROAD  
AZTEC NM 87410  
(505) 334-6178 FAX: (505) 334-6170  
<http://emnrd.state.nm.us/ocd/District III/3district.htm>

## BRADENHEAD TEST REPORT

(submit 1 copy to above address)

Date of Test 5-2-24 Operator Western API #30-0 45 35749  
Property Name Waste Dis. Well No. 2 Location: Unit H Section 27 Township 29 Range 11  
Well Status (Shut-In or Producing) Initial PSI: Tubing 510 Intermediate 20 Casing 0 Bradenhead 27

OPEN BRADENHEAD AND INTERMEDIATE TO ATMOSPHERE INDIVIDUALLY FOR 15 MINUTES EACH

Testing TIME	PRESSURE				
	Bradenhead			INTERM	
	BH	Int	Csg	Int	Csg
5 min	0	0	0	0	0
10 min	0	0	0	0	0
15 min	0	0	0	0	0
20 min	0	0	0	0	0
25 min	0	0	0	0	0
30 min	0	0	0	0	0

	FLOW CHARACTERISTICS	
	BRADENHEAD	INTERMEDIATE
Steady Flow		
Surges		
Down to Nothing	/	/
Nothing		
Gas	/	/
Gas & Water		
Water		

If bradenhead flowed water, check all of the descriptions that apply below:

CLEAR  FRESH  SALTY  SULFUR  BLACK

5 MINUTE SHUT-IN PRESSURE BRADENHEAD 0 INTERMEDIATE 0

REMARKS: BH-dead at 2 seconds. Puff when opened.  
Int. down in 58 seconds. long puff.

By [Signature]  
(Position)

Witness Mona Lucking

E-mail address \_\_\_\_\_

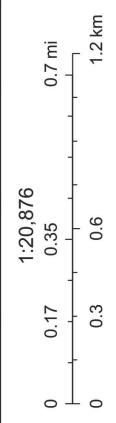
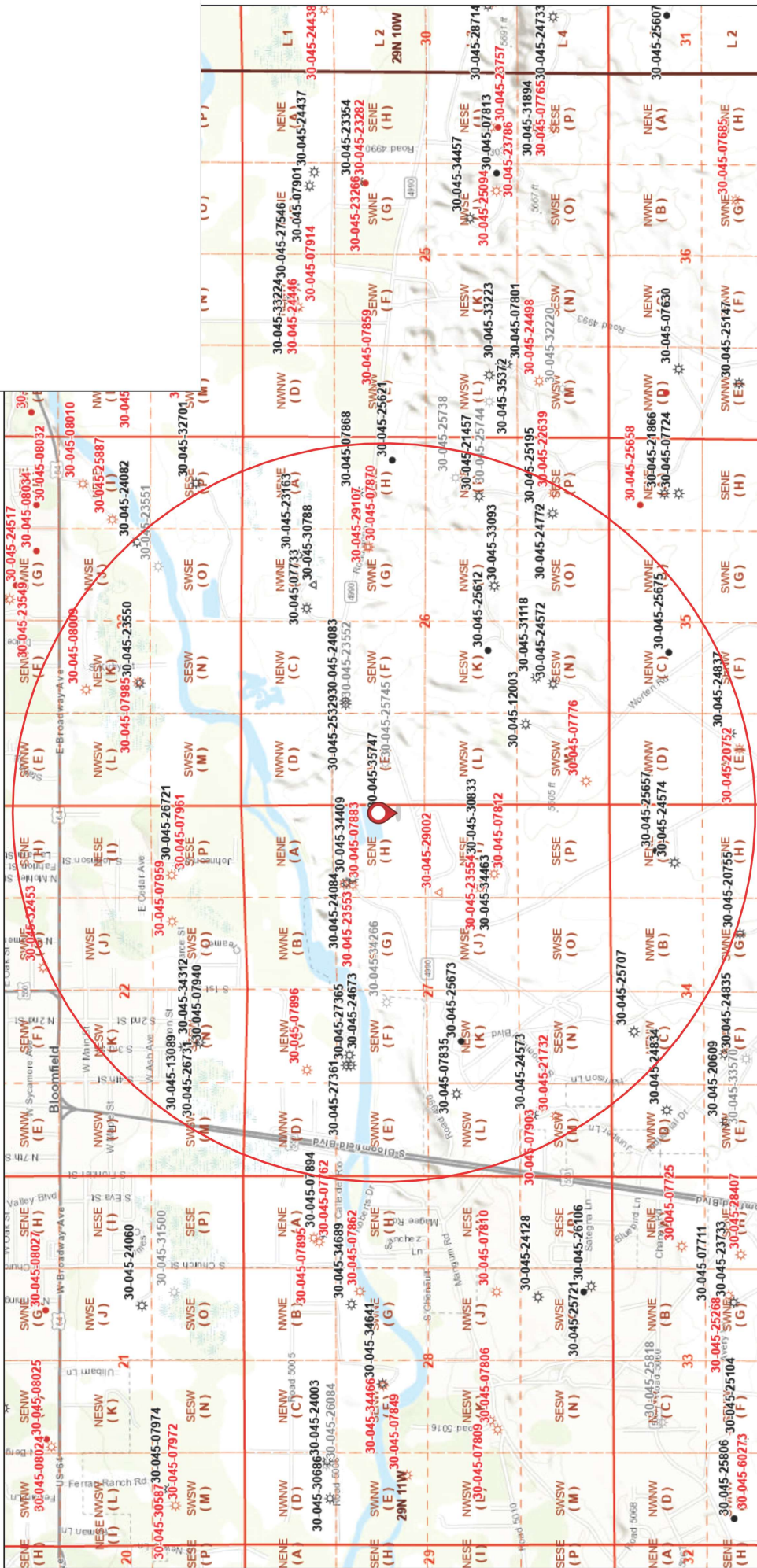
## **ATTACHMENT D**

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### **Area Of Review**

1-MILE AREA OF REVIEW

OCD Well Locations



- Wells - Large Scale
- Gas, Active
- Gas, Cancelled
- Gas, Plugged
- Oil, Active
- Oil, Plugged
- Salt Water Injection, Active
- Salt Water Injection, Plugged
- Water, Plugged
- PLSS Second Division
- PLSS First Division
- PLSS Townships

Oil Conservation Division of the New Mexico Energy, Minerals and Natural Resources Department, San Juan County, NM, Bureau of Land Management, Esri, HERE, Garmin, GeoTechnologies, Inc., USGS, METINASA, EPA, USDA, BLM

NM OCD Oil and Gas Map. <http://nm-enrmd.maps.arcgis.com/apps/webappviewer/index.html?id=4d0172306164de29d2b98f85ca75>; New Mexico Oil Conservation Division



**ONE-MILE AREA OF REVIEW**  
Western Refining Southwest LLC Waste Disposal Well No. 2

Record No.	API	Well Name	Well Type	Well Status	PLSS Location (ULSTR)	Vertical Depth	Penetrates Inj. Zone	Effective Date	Plug Date	Record Last Edited Date
1	30-045-24573	GARLAND #003	Gas	Active	M-27-29N-IIW	2,905	N	8/20/2020		8/20/2020, 2:28 PM
2	30-045-21732	GARLAND B #001R	Gas	Plugged (site released)	M-27-29N-IIW	1,810	N	6/1/1975	8/9/2010	3/6/2014, 1:28 PM
3	30-045-07903	PRE-ONGARD WELL #001	Gas	Plugged (site released)	M-27-29N-IIW	1,747	N	1/1/1900	7/1/1975	3/6/2014, 1:28 PM
4	30-045-07896	PRE-ONGARD WELL #001	Gas	Plugged (site released)	C-27-29N-IIW	0	N	1/1/1900	11/27/1978	3/6/2014, 1:28 PM
5	30-045-25707	SUMMIT #015	Gas	Active	C-34-29N-IIW	6,216	N	8/20/2020		8/20/2020, 2:28 PM
6	30-045-07835	MANGUM #001	Gas	Active	L-27-29N-IIW	6,350	N	1/6/2017		1/6/2017, 1:08 PM
7	30-045-26731	MARY JANE #001	Gas	Active	N-22-29N-IIW	2,845	N	4/8/1986		3/6/2014, 1:28 PM
8	30-045-27361	LAUREN KELLY #001	Gas	Active	F-27-29N-IIW	1,500	N	3/29/1994		3/6/2014, 1:28 PM
9	30-045-24673	MANGUM #001E	Gas	Active	F-27-29N-IIW	6,240	N	8/4/2017		8/4/2017, 2:51 PM
10	30-045-13089	COOK #002	Gas	Active	N-22-29N-IIW	1,440	N	1/1/1900		3/6/2014, 1:28 PM
11	30-045-25673	CONGRESS #018	Oil	Active	K-27-29N-IIW	6,150	N	8/1/2017		8/1/2017, 12:30 PM
12	30-045-34312	ROYAL FLUSH #001	Gas	Active	N-22-29N-IIW	2,045	N	5/11/2007		3/6/2014, 1:28 PM
13	30-045-27365	MARIAN S #001	Gas	Active	F-27-29N-IIW	2,840	N	6/13/1989		3/6/2014, 1:28 PM
14	30-045-07940	COOK #001	Gas	Active	N-22-29N-IIW	6,305	N	3/28/1994		3/6/2014, 1:28 PM
15	30-045-34266	MANGUM #001S	Gas	Cancelled	F-27-29N-IIW	0	N	12/13/2007		3/6/2014, 1:28 PM
16	30-045-07959	GRACE PEARCE #001	Gas	Plugged (site released)	O-22-29N-IIW	1,620	N	1/1/1900	3/2/2000	3/6/2014, 1:28 PM
17	30-045-29002	DISPOSAL #001	Salt Water Disposal	Plugged (site released)	I-27-29N-IIW	3,601	N	9/24/1993	10/29/2015	3/30/2017, 3:34 PM
18	30-045-23554	DAVIS GAS COM G #001	Gas	Plugged (site released)	I-27-29N-IIW	2,951	N	1/1/1998	11/15/2011	3/6/2014, 1:28 PM
19	30-045-24574	SUMMIT #009	Gas	Active	A-34-29N-IIW	2,985	N	8/1/2017		2/19/2018, 4:55 PM
20	30-045-07825	DAVIS GAS COM F #001	Gas	Plugged (site released)	I-27-29N-IIW	6,365	N	5/25/1994	1/19/1994	3/6/2014, 1:28 PM
21	30-045-24084	DAVIS GAS COM F #001E	Gas	Active	H-27-29N-IIW	6,392	N	7/12/2018		7/12/2018, 4:33 PM
22	30-045-07812	PRE-ONGARD WELL #001	Gas	Plugged (site released)	I-27-29N-IIW	1,804	N	1/1/1900	11/3/1982	3/6/2014, 1:28 PM
23	30-045-34463	JACQUE #001	Gas	Active	I-27-29N-IIW	1,890	N	10/18/2007		3/6/2014, 1:28 PM
24	30-045-25745	PRE-ONGARD WELL #1	Gas	Cancelled	E-26-29N-IIW	0	N	6/9/1983		3/6/2014, 1:28 PM
25	30-045-26721	NANCY HARTMAN #002	Gas	Active	P-22-29N-IIW	2,824	N	5/1/1987		3/6/2014, 1:28 PM
26	30-045-23553	PRE-ONGARD WELL #001	Gas	Plugged (site released)	H-27-29N-IIW	0	N	5/23/1979	12/31/1901	3/6/2014, 1:28 PM
27	30-045-07961	HARTMAN #001	Gas	Plugged (site released)	P-22-29N-IIW	6,310	N	1/1/1900	6/14/1999	3/6/2014, 1:28 PM
28	30-045-30833	DAVIS GAS COM F #001R	Gas	Active	I-27-29N-IIW	6,700	N	7/12/2018		7/12/2018, 4:33 PM
29	30-045-35747	WASTE DISPOSAL WELL #002	Salt Water Disposal	Active	H-27-29N-IIW	7,525	Y	6/16/2016		3/16/2017, 3:13 PM

**ONE-MILE AREA OF REVIEW**  
Western Refining Southwest LLC Waste Disposal Well No. 2

Record No.	API	Well Name	Well Type	Well Status	PLSS Location (ULSTR)	Vertical Depth	Penetrates Inj. Zone	Effective Date	Plug Date	Record Last Edited Date
30	30-045-07776	PRE-ONGARD WELL #001	Gas	Plugged (site released)	M-26-29N-11W	0	N	1/1/1900	12/31/1901	3/16/2014, 1:28 PM
31	30-045-07883	PRE-ONGARD WELL #002	Gas	Plugged (site released)	H-27-29N-11W	0	N	2/4/1953	12/31/1901	3/16/2014, 1:28 PM
32	30-045-34409	JACQUE #002	Gas	Active	H-27-29N-11W	1,897	N	8/29/2007		3/16/2014, 1:28 PM
33	30-045-25657	CONGRESS #016	Oil	Active	A-34-29N-11W	6,200	N	8/1/2017		8/1/2017, 12:30 PM
34	30-045-24572	CONGRESS #009	Gas	Active	N-26-29N-11W	2,960	N	8/20/2020		8/20/2020, 2:28 PM
35	30-045-07985	PEARCE GAS COM #001	Gas	Plugged (site released)	K-23-29N-11W	6,274	N	3/24/1994	3/12/1997	3/16/2014, 1:28 PM
36	30-045-12003	CALVIN #001	Gas	Active	M-26-29N-11W	6,450	N	8/29/2017		8/29/2017, 3:53 PM
37	30-045-24083	SULLIVAN GAS COM D #001E	Gas	Active	F-26-29N-11W	6,329	N	7/12/2018		7/12/2018, 4:33 PM
38	30-045-24837	CONGRESS #004E	Gas	Active	E-35-29N-11W	6,508	N	8/1/2017		8/1/2017, 12:30 PM
39	30-045-25329	DAVIS GAS COM J #001	Gas	Active	F-26-29N-11W	4,331	N	7/1/2008		3/16/2014, 1:28 PM
40	30-045-20752	LEA ANN #001	Gas	Plugged (site released)	E-35-29N-11W	1,900	N	1/1/1900	12/18/1999	3/16/2014, 1:28 PM
41	30-045-25675	CONGRESS #015	Oil	Active	C-35-29N-11W	6,030	N	8/1/2017		8/1/2017, 12:30 PM
42	30-045-08009	PRE-ONGARD WELL #001	Gas	Plugged (site released)	K-23-29N-11W	1,507	N	9/30/1960	8/26/1980	3/16/2014, 1:28 PM
43	30-045-23550	STATE GAS COM BS #001	Gas	Active	K-23-29N-11W	2,954	N	10/14/2005		3/16/2014, 1:28 PM
44	30-045-23552	PRE-ONGARD WELL #1	Gas	Cancelled	F-26-29N-11W	0	N	5/23/1979		3/16/2014, 1:28 PM
45	30-045-25612	CALVIN #003	Oil	Active	K-26-29N-11W	5,970	N	8/1/2017		8/1/2017, 12:34 PM
46	30-045-23551	PRE-ONGARD WELL #1	Gas	Cancelled	O-23-29N-11W	0	N	5/23/1979		3/16/2014, 1:28 PM
47	30-045-07733	SULLIVAN GAS COM D #001	Gas	Active	B-26-29N-11W	6,260	N	7/12/2018		7/12/2018, 4:33 PM
48	30-045-30788	ASHCROFT SWD #001	Salt Water Disposal	Active	B-26-29N-11W	7,512	Y	7/12/2018		7/12/2018, 4:33 PM
49	30-045-31118	CALVIN #100	Gas	Active	N-26-29N-11W	1,970	N	8/29/2017		8/29/2017, 3:53 PM
50	30-045-24082	PEARCE GAS COM #001E	Gas	Active	J-23-29N-11W	6,365	N	7/12/2018		5/8/2019, 3:17 PM
51	30-045-24772	CALVIN #001E	Gas	Active	P-26-29N-11W	6,500	N	8/14/2017		2/22/2019, 10:48 AM
52	30-045-25738	PRE-ONGARD WELL #23	Gas	Cancelled	I-26-29N-11W	0	N	6/3/1983		3/16/2014, 1:28 PM
53	30-045-23163	EARL B SULLIVAN #001	Gas	Active	B-26-29N-11W	2,861	N	7/12/2018		7/12/2018, 4:33 PM
54	30-045-29107	PRE-ONGARD WELL #001X	Gas	Plugged (site released)	G-26-29N-11W	0	N	1/1/1900	7/28/1955	3/16/2014, 1:28 PM
55	30-045-07868	SULLIVAN #002	Gas	Active	H-26-29N-11W	1,478	N	9/7/1994		3/16/2014, 1:28 PM
56	30-045-33093	CALVIN #001F	Gas	Active	J-26-29N-11W	6,525	N	8/14/2017		8/14/2017, 12:04 PM
57	30-045-21457	DELO #010	Gas	Active	I-26-29N-11W	2,900	N	8/20/2020		8/20/2020, 2:28 PM
58	30-045-25195	CALVIN #002	Oil	Active	P-26-29N-11W	5,950	N	8/1/2017		8/1/2017, 12:30 PM

**ONE-MILE AREA OF REVIEW**  
 Western Refining Southwest LLC Waste Disposal Well No. 2

Record No.	API	Well Name	Well Type	Well Status	PLSS Location (ULSTR)	Vertical Depth	Penetrates Inj. Zone	Effective Date	Plug Date	Record Last Edited Date
59	30-045-22639	DELO #011	Gas	Plugged (site released)	P-26-29N-11W	1,945	N	11/1/1981	7/30/2010	3/6/2014, 1:28 PM
60	30-045-25621	EARL B SULLIVAN #002	Oil	Active	H-26-29N-11W	5,751	N	7/1/2008		3/6/2014, 1:28 PM
61	30-045-07870	PRE-ONGARD WELL #00X	Gas	Plugged (site released)	G-26-29N-11W	1,442	N	1/1/1900	7/1/1953	3/6/2014, 1:28 PM



## **ATTACHMENT E**

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**Fall Off Test - Not Completed in 2024 per OCD Instruction**

## **ATTACHMENT F**

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Entrada Sandstone Reservoir Assessment  
by Strata, LLC



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# ENTRADA SANDSTONE RESERVOIR ASSESSMENT

WESTERN REFINING SOUTHWEST LLC  
WASTE DISPOSAL WELL NO. 2

---

API NO.: 30-045-35747  
UIC PERMIT: UICI-011  
LOCATION: BLOOMFIELD, NM  
PROJECT ID: MPC.FNM.24.01

PREPARED BY: STEVE KELLY  
APPROVED BY: BRANDON SCHULTE  
REPORT DATE: 09/09/2024

STRATA, LLC  
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HOUSTON, TX 77027  
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3 PRESSURE FALLOFF TEST RESULTS..... 3

4 ENTRADA SANDSTONE GEOLOGY OVERVIEW ..... 4

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# APPENDICES

- APPENDIX A. 2023 PRESSURE FALLOFF TEST PLOTS WITH SIMULATION CURVES
- APPENDIX B. ENTRADA SANDSTONE TECHNICAL PAPER

## 1 INTRODUCTION

Marathon Petroleum operates a Class I non-hazardous waste disposal well (WDW-2) in Bloomfield, New Mexico that was drilled and completed in 2016 to replace WDW-1, and it was placed into service in March 2017. The well is located at an inactive refinery that was once operated by Western Refining Southwest Inc., a subsidiary of Marathon Petroleum.

WDW-2 injects freshwater recovered from a groundwater aquifer at the site as part of a remediation project. Evaporation ponds at the site treat most of the groundwater recovered, and WDW-2 is used intermittently to handle excess groundwater. Through July 2024, WDW-2 had injected approximately 9 million gallons of water into the Entrada Sandstone injection reservoir at depths 7,293 and 7,459 feet below land surface. Injection rates have averaged around 25 gallons/minute (gpm) at surface injection pressures around 1,300 psi. With an estimated static surface pressure of approximately 470 psi with the well filled with fresh water, a pressure increase of approximately 830 psi is needed to emplace fluid into the Entrada reservoir at injection rates of approximately 25 gpm.

One of the regulatory requirements for a Class I wells is to perform an annual pressure falloff test by injecting fluid into the well at a constant rate for a specified period followed by a specified shut-in period where the decay of the reservoir pressure is measured following the immediate termination of injection into the well. Analyses of the pressure data allow key reservoir parameters to be calculated so that the performance of the injection reservoir can be assessed and compared to past tests.

Although the annual testing and reporting for WDW-2 have always been performed in a timely manner, the UIC group within the New Mexico Oil Conservation Division (NMOCD) has requested that Marathon assess the injection performance of WDW-2 to determine if the pressure transient testing and analyses are accurately characterizing the reservoir parameters of the Entrada reservoir. If it cannot be demonstrated that the test results are providing adequate results, Marathon will develop and implement a plan approved by NMOCD in to either provide pressure transient data reflective of the entire reservoir or demonstrate that the past tests and analyses have provided satisfactory results.

The following report provides an assessment of the Entrada Sandstone injection reservoir in the San Juan Basin within the County of San Juan, New Mexico.

## 2. COMPLETION DETAILS

The Entrada Sandstone was perforated on October 7, 2016, with 492 holes (123 net feet) using 3½-inch hollow carrier guns. Filled with 2% KCl water (0.438 psi/ft), the well flowed water at approximately 5 gpm after perforating the lower 30 feet of the Entrada from 7,440 to 7,470 feet KB, verifying communication between the Entrada formation and wellbore. The completion details of WDW-2 are provided as Figure 1.

The well was acidized on October 10, 2016, by pumping 2,500 gallons of 15% HCl acid down the 7-inch casing at a surface breakdown pressure of 2,600 psi at 214 gpm. The final treatment pressure was 1,780 psi at 462 gpm. Frac balls (525) were pumped behind the acid and were later recovered from the well using a wireline junk basket. Marks on the frac balls indicated most of the balls had seated on the perforations during the acid treatment.

A step-rate test (SRT) was performed on October 11, 2016, and the results are presented as Figure 2. From an analysis of the data, the fracture closure pressure gradient of the Entrada injection interval was determined to be 0.61 psi/ft  $[(7,374 \text{ ft} \times 0.429 \text{ psi/ft} + 1,319 \text{ psi})/7,374 \text{ ft} = 0.61 \text{ psi/ft}]$ .

Injection was initiated into WDW-2 on March 8, 2017, at an average rate of 15 gpm with an average surface injection pressure of 1,380 psi. Based on this performance, a decision was made to stimulate the Entrada injection interval with a hydraulic fracture. On May 31, 2017, WDW-2 was stimulated with approximately 110,000 gallons of frac fluid and 240,000 lbs of 20/40 frac sand at a rate of approximately 50 bpm (2,100 gpm) at approximately 6,300 psi surface pressure. WDW-2 was not used much for the remainder of 2017, and on April 27, 2018, the average injection rate was 30 gpm at an average surface injection pressure of 1,360 psi, indicating the fracture stimulation had increased the rate 100% at a comparable surface injection pressure.

### 3. PRESSURE FALLOFF TEST RESULTS

The results of the annual pressure falloff tests performed on WDW-2 since October 2017 are summarized in the table below:

Test Period	Permeability k (md)	Mobility-Thickness kh/ $\mu$ (md-ft/cp)	Skin Factor S (dimension-less)	Extrapolated Pressure P* (psi)	Wellbore Fill Depth (ft KB)
10/03/17 - 10/13/17	3.3	1,108	-5.4	3,819	Not Recorded
04/15/19 - 04/30/19	1.7	451	-3.8	3,795	Not Recorded
09/21/20 - 10/01/20	1.1	298	-5.1	3,617	Not Recorded
09/19/21 - 09/29/21	1.0	270	-5.1	3,721	Not Recorded
09/14/22 - 09/26/22	2.5	643	-4.0	3,719	7,423
09/05/23 - 09/20/23	2.7	701	-4.1	3,723	7,403

Simulation curves (Appendix A) were generated for the 2023 falloff test that provided a good match with the recorded pressure data. The infinite-acting, radial flow model provided a mobility-thickness of 701 md-ft/cp and a skin factor of -4.1, and the simulation analysis provided a mobility-thickness of 644 md-ft/cp and a skin factor of -4.3. Similar results were obtained with the 2022 test analysis. Although simulation curves were not provided with the other four tests, the mobility-thickness and skin factor calculations have been reasonably consistent with all six tests.

The tests over the past three years have provided consistent results of extrapolated pressure (P\*), however, the numerous rate changes from intermittent use of the well have made it difficult to predict a pseudo-original reservoir pressure (extrapolated pressure, P\*). A bottomhole pressure of 3,617 psi was measured on September 5, 2023, and the extrapolated pressure (P\*) obtained from the falloff test analysis initiated three days later was 3,723 psi (Figure 3). The estimated original pressure is assumed to be approximately 3,600 psi at 7,312 feet KB.

The depth of wellbore fill was tagged at 7,423 feet KB before the September 2022 pressure falloff test, and one year later, wellbore fill was tagged at 7,403 feet KB. Although some of the lower perforations are covered by this fill material, the performance of the well does not appear to have been significantly affected. Based on the modeled height of the hydraulic fracture performed on the well, the lower portion of the Entrada formation covered with fill material may be connected to shallower perforations through the fracture system created by the hydraulic fracture treatment.

## 4. ENTRADA SANDSTONE GEOLOGY OVERVIEW

The San Juan Basin is a geologic structural basin located primarily in northwestern New Mexico and southwestern Colorado as shown on Figure 4. WDW-2 is located approximately 30 from the center of this Basin and approximately 30 miles west, southwest of the structural low of the Basin based on the Top of Entrada Structure Map provided as Figure 5.

The Entrada Sandstone is present throughout the San Juan Basin, and in WDW-2 it is located between 7,293 and 7,459 feet below land surface (1,743 to 1,909 feet below mean sea level, BMSL). Eight Entrada oil fields are located southeast of WDW-2 between 45 and 75 miles away where the top of the Entrada is at an average depth of 5,440 feet (750 to 1,500 feet above mean sea level, AMSL). The porosity and permeability of the Entrada Sandstone in these eight fields averages 24% and 370 md, respectively. At a depth around 2,000 feet BMSL, the Entrada Sandstone has been described as extremely tight due to compaction and quartz cementation (Appendix B).

Most of Class II SWD wells drilled in New Mexico are completed in formations above the Entrada Sandstone. Based on a limited number of Entrada Class II SWD wells, North – South and West – East Geologic Cross Sections (Figures 6, 7 and 8) were prepared that cover about 10% of the Basin and extend at least 20 miles beyond WDW-2 in all directions and over 40 miles to the southeast.

## 5. ENTRADA SANDSTONE RESERVOIR BEHAVIOR

A Stratigraphic Cross-Section Map of the Entrada Sandstone (Figure 9) was prepared using wells from the Structural Cross Sections (Figures 7 and 8) and well information (logs and injection data) obtained from the internet at the NMOCD Geospatial Hub website <HTTPS://OCD-HUB-NM-EMNRD.HUB.ARCGIS.COM/>. The top of the Entrada relative to sea level was determined for each well along with an average injectivity index calculated from the average injection rate (barrels/month) and the average surface injection pressure (psi). The total porosity of the Entrada Sandstone for each well was also analyzed.

From a plot of the injectivity indices and mean sea levels depths (Figure 10), a linear regression of the data was made to show the correlation between well performance and the structural position of the Entrada Sandstone in the San Juan Basin. The correlation coefficient of the data ( $R^2$ ) was determined to be 96.7%. The top of the Entrada Sandstone is at a depth of 1,758 feet below mean sea level, and it has an average injectivity index of 8.6. Using the linear regression parameters of slope and y-intercept, an injectivity index of 11.2 bbl/month/psi is calculated which is reasonably close to the value estimated from injection data.



## 6. CONCLUSIONS

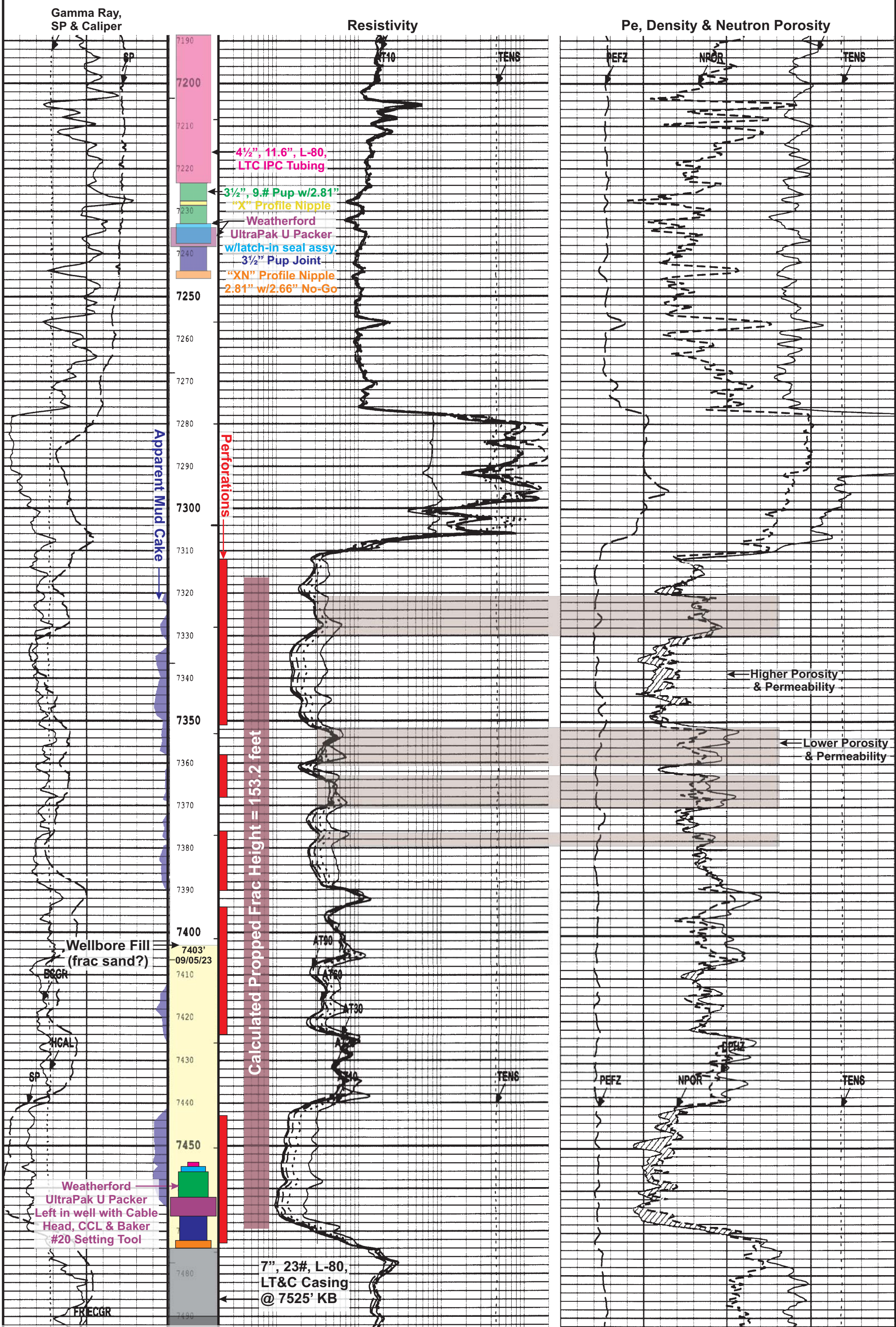
- The open hole logs run in WDW-2 have geophysical properties that indicate intervals within the Entrada formation may have higher permeabilities than the average permeability calculated from the pressure falloff test analysis. The invasion profile of the resistivity measurements, the apparent mud cake thickness (caliper measurements below bit size) and the density and neutron porosities above 15%, are indicators of permeability, however, none of these measurements can be used to quantify permeability. There are also several lower porosity and apparently low permeability intervals within the Entrada in WDW-2.
- The depths of investigation of the open hole measurements are 4 feet or less, and the radius of investigation of the pressure transient data analyzed with the 2023 pressure falloff test data was 286 feet. The estimated total porosity drops from 14% in the Marathon WDW-2 to 9% in the Ashcroft SWD-1, and the wells are 3,400 feet apart. The Entrada SWD wells several miles east of the Ashcroft well have high injection pressures and are also completed in the Entrada, Bluff and Morrison formations. These wells also had to be stimulated with hydraulically fracture treatments to be utilized for injection.
- The average permeability of the Entrada Sandstone is influenced by the structural position of the formation within the San Juan Basin. The level of compaction and secondary cementation increases with depth causing the porosity and permeability to decline. The good correlation between Injectivity Index (permeability indicator) and subsea depth of the Entrada wells demonstrates this permeability phenomenon.
- There is no evidence from the drilling of WDW-2 or offset wells that the Entrada Sandstone has natural fractures. Therefore, the hydraulic stimulation performed on WDW-2 improved the performance of the well by creating secondary porosity and high permeability in the near-wellbore region of the well which resulted in negative skin and a lower surface injection pressure. The hydraulic fracture did not significantly increase the pore volume of the reservoir.
- There is apparently a slow influx of unpropped frac sand through the perforations of WDW-2 that might be related to the intermittent operation of the well. There is no indication, however, that the current level of fill has had a significant impact on the performance of the well. It is possible the hydraulic fracture system created in the near wellbore region of WDW-2 has allowed the lower Entrada to accept fluid through perforations above the fill material.
- While WDW-2 is inactive, the shut-in surface pressure declines towards the original reservoir pressure, indicating the reservoir is infinite-acting with no apparent boundary conditions that could cause the reservoir to over-pressure due to injection.
- Based on the data reviewed and analyzed, the results of the annual falloff tests have adequately characterized the reservoir properties of the Entrada Sandstone in WDW-2. The behavior of the reservoir can be predicted, and it can be operated below the fracture closure pressure of the formation with no concern for over-pressuring the reservoir.

## 7. RECOMMENDATIONS

- There is currently no well work that can be performed on WDW-2 to significantly change the results of reservoir properties obtained from pressure transient testing. If the level of wellbore fill continues to increase, a cleanout could become necessary in the future.
- The depth of wellbore fill needs to be checked annually during the pressure falloff test operation. The current injection period (~72 hours) and pressure falloff period of 8 to 9 days) are sufficient for futures tests.
- Based on the results of the Step-Rate Test, WDW-2 should be operated at a surface injection pressure not to exceed 1,300 psi.

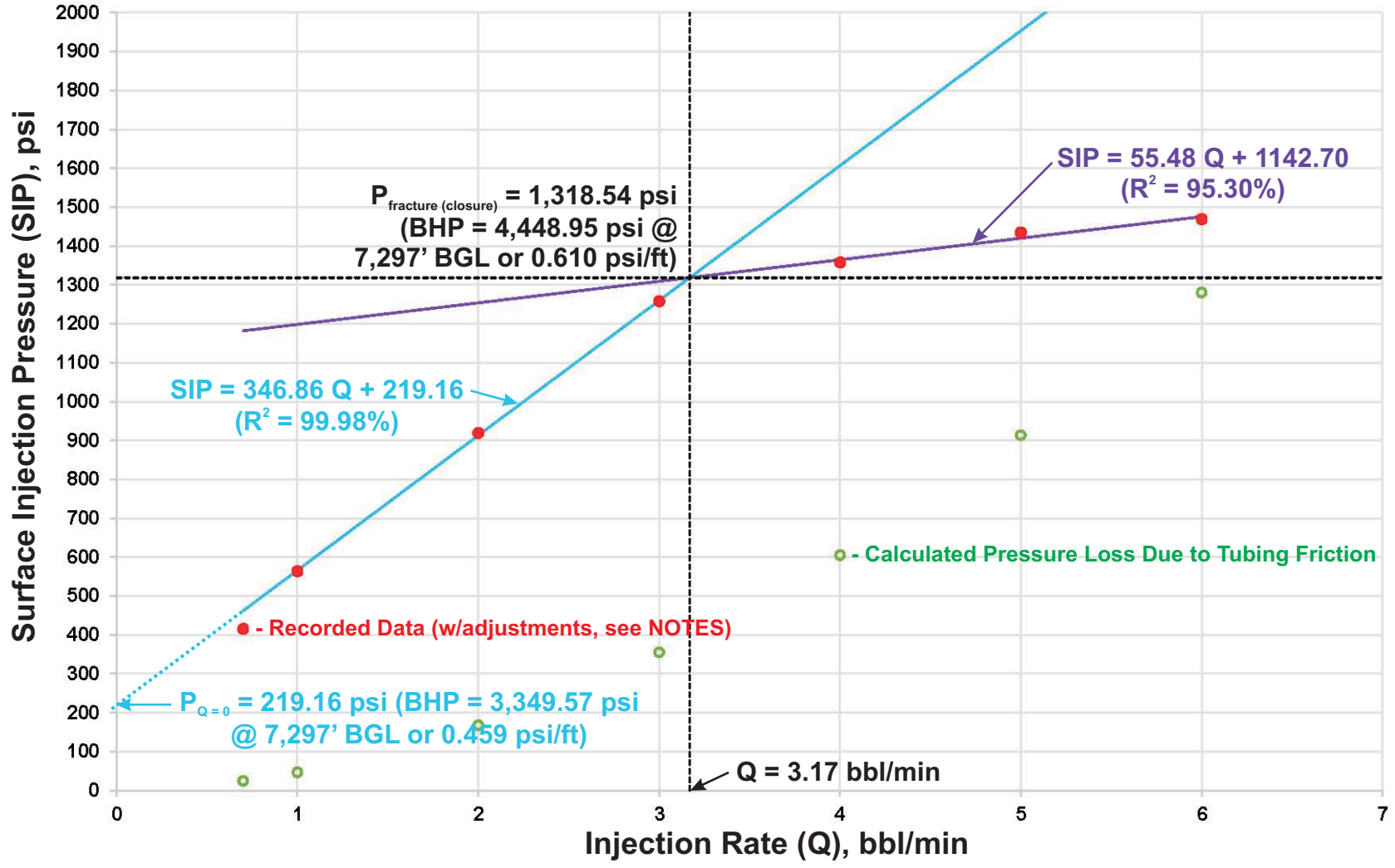


# FIGURE 1 Marathon WDW #2 Completion Details



# FIGURE 2

## STEP-RATE TEST WESTERN REFINING (MARATHON) WDW-2 (API No. 30-045-35747) October 11, 2016

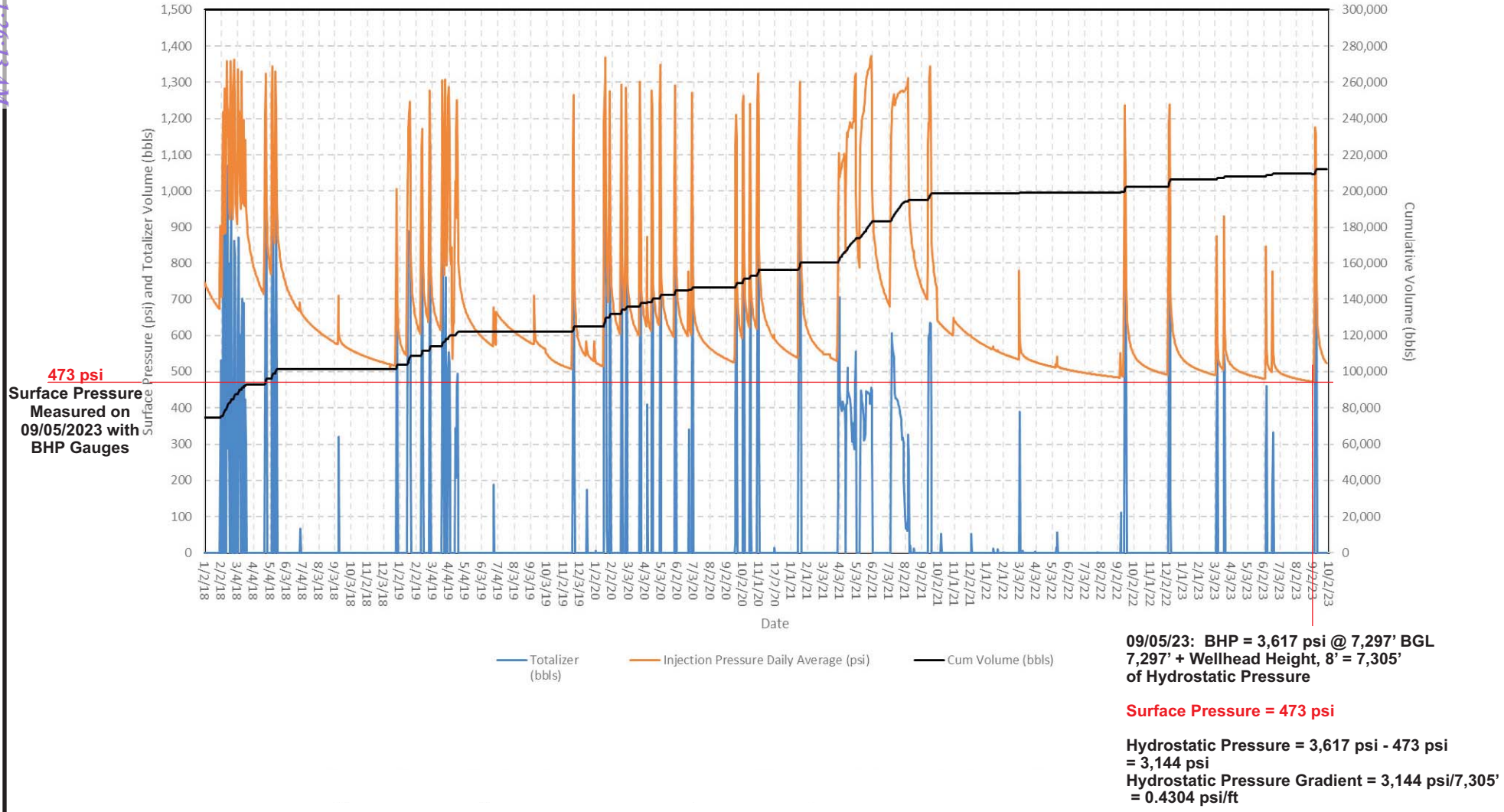


**NOTES:**

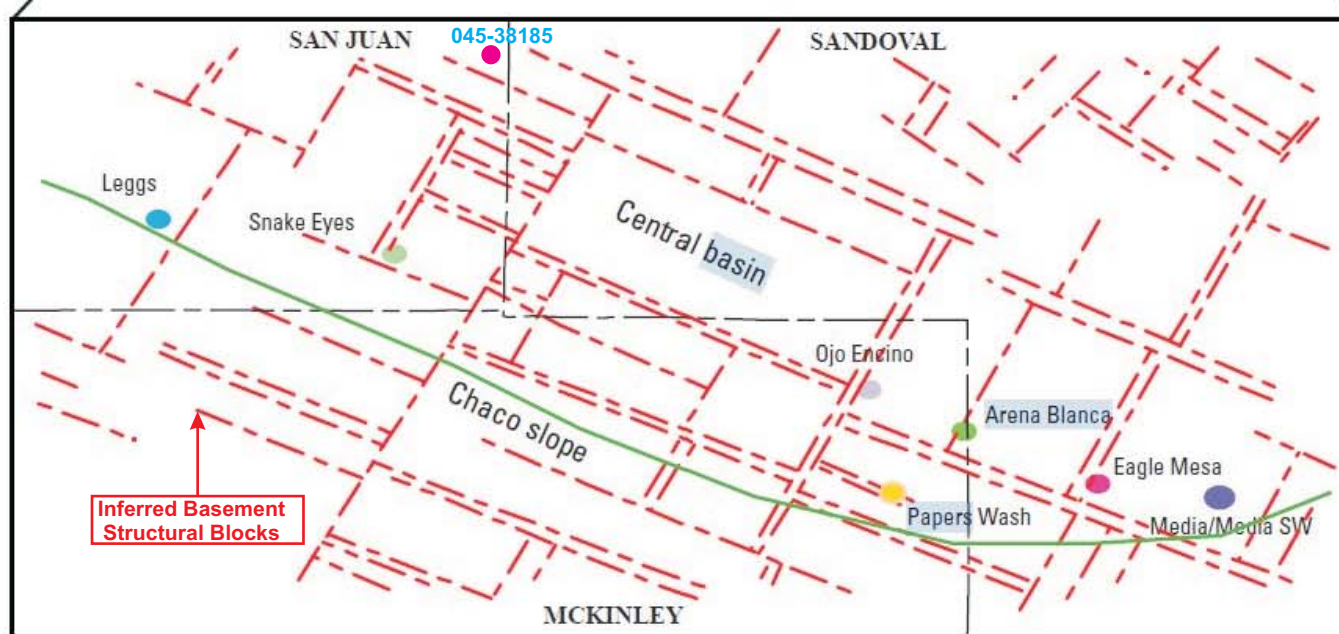
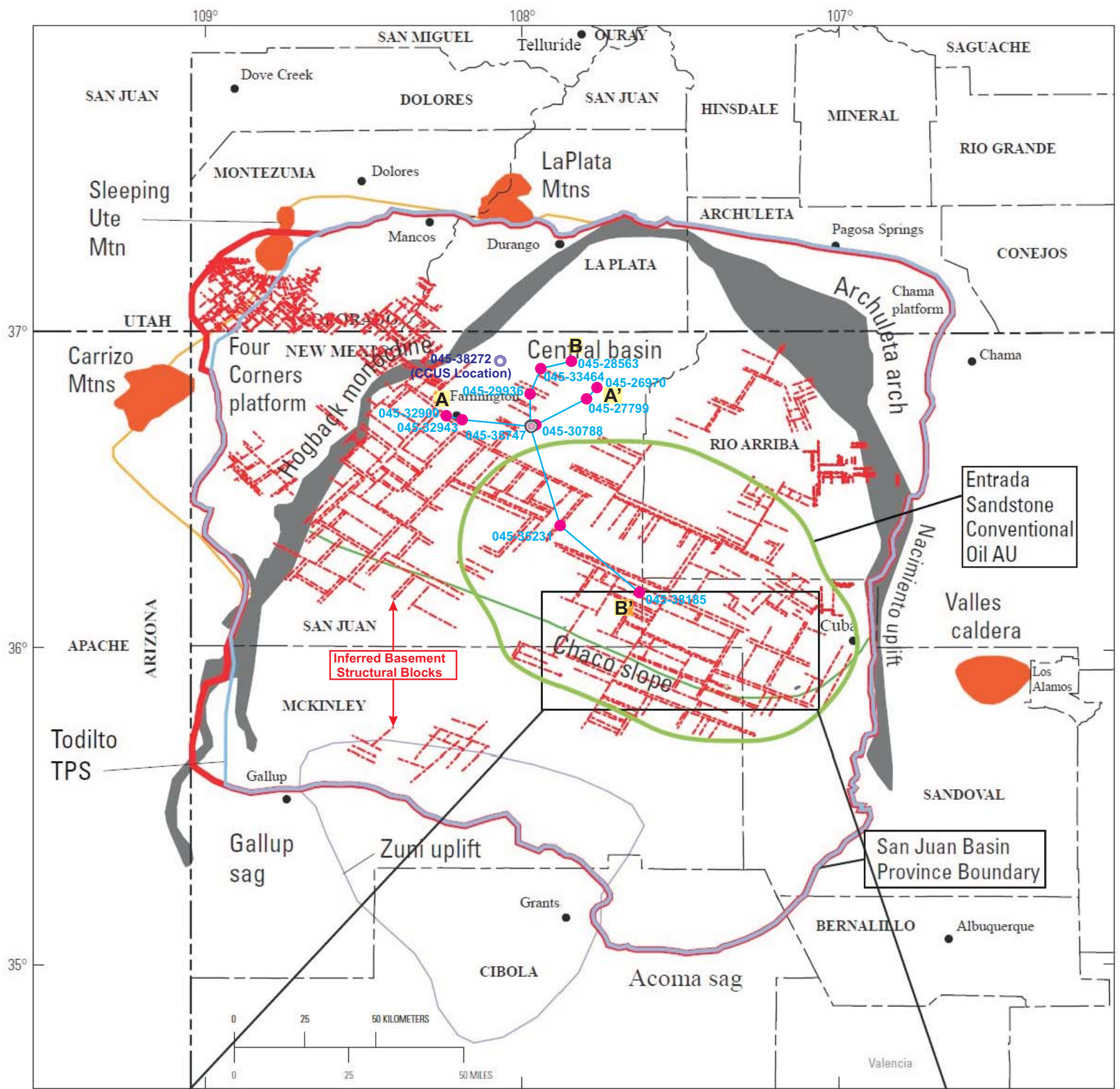
- Calculated Tubing Friction with Hazen-Williams equation and subtracted from Surface Injection Pressures (SIPs)
- Added 65.67 psi ([0.438 psi/ft, 2% Kcl water - 0.429 psi/ft, Injectate] x 7,297' BGL) to SIPs to adjust for density difference.
- Injection Steps were 10 minutes each.



**FIGURE 3**  
**Western Refinery WDW #2**  
**Daily Surface Injection Pressure and Volume, Cumulative Volume**  
**2018 - 2023**





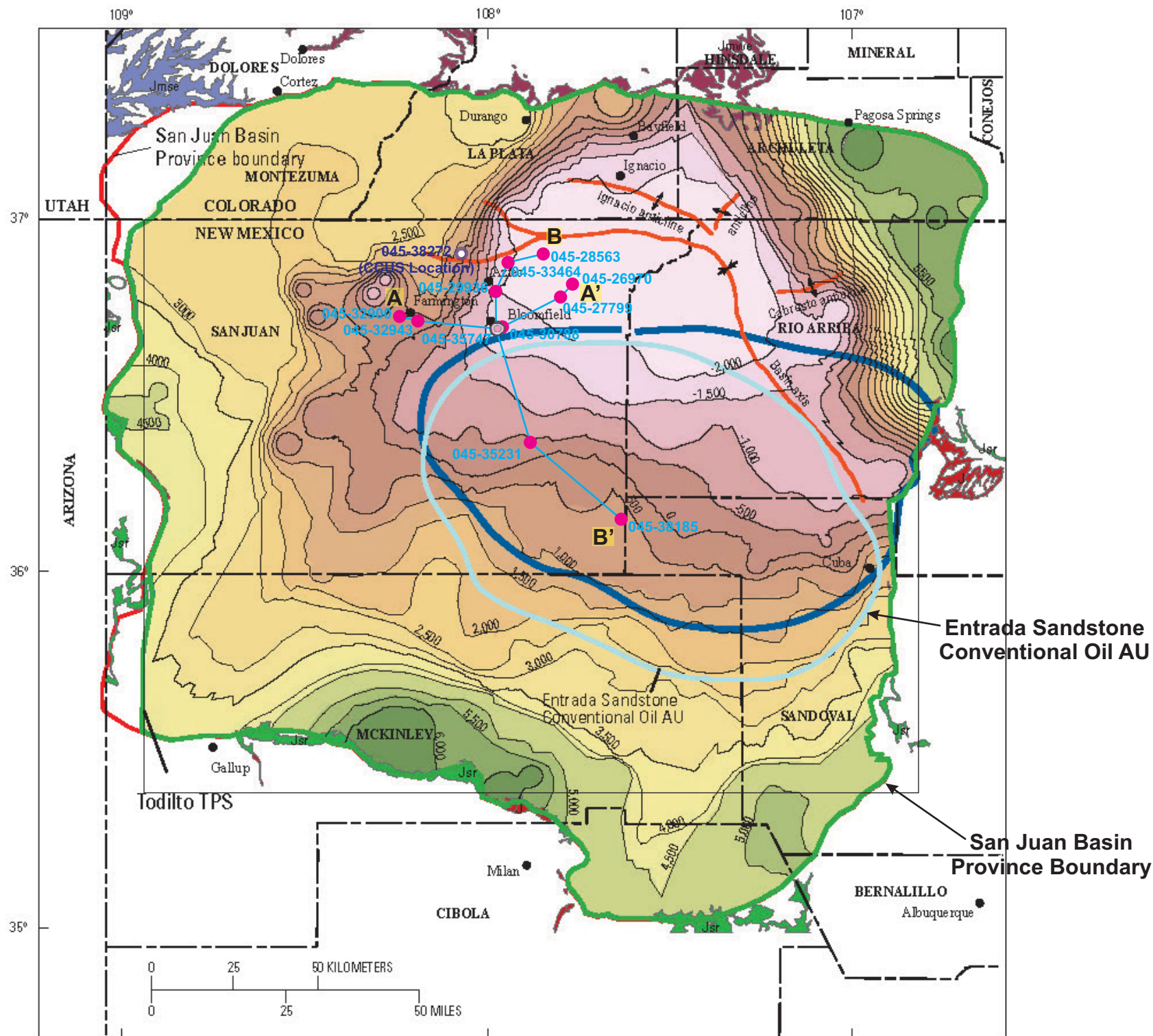


Source (Appendix 2): "Geology and Oil and Gas Assessment of the Todilto Total Petroleum System, San Juan Basin Province, New Mexico and Colorado", Ridgley, J.L. and Hatch, J.R., Digital Data Series 69-F, U.S. Department of Interior, U.S. Geological Survey, 2013.

LEGEND	
	Marathon WDW-2
	X-Section Well (Figures 7 & 8)

Prepared For:		Description:	
Marathon Petroleum		FIGURE 4 SAN JUAN BASIN PROVINCE	
Prepared By:		STRATA LLC	
Drawn By:	SK	Scale:	1" = 25 miles
Checked By:	BS	Date:	09-04-2024
		Sheet:	11" x 17"
		Location: Bloomfield, NM	



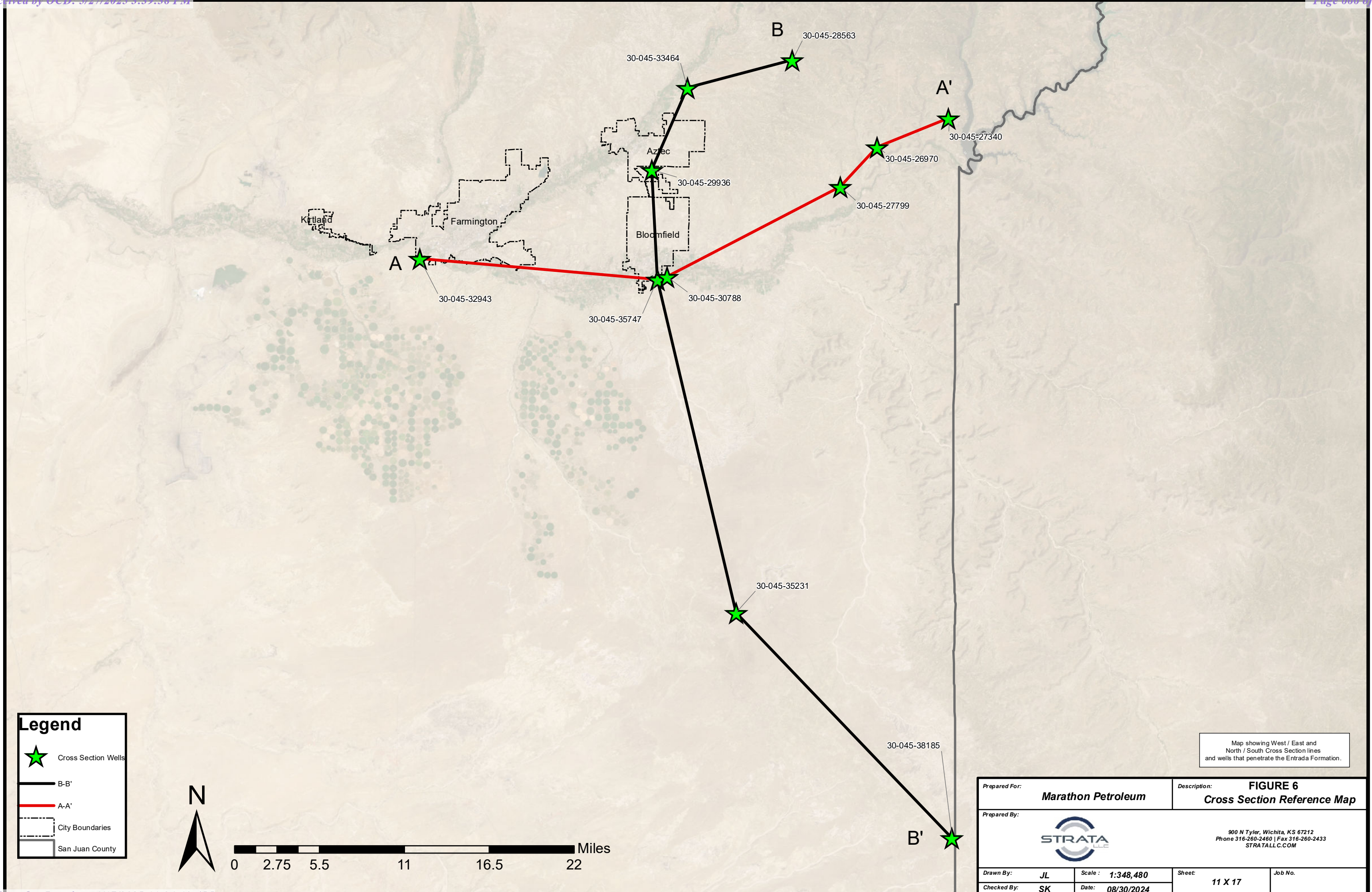


EXPLANATION			
Marathon WDW-2	Contour interval = 500 feet	1-500	3,001-3,500
Cities/towns	-2,500 - -2,000	501-1,000	3,501-4,000
Contour lines	-1,999 - -1,500	1,001-1,500	4,001-4,500
Todilto TPS	-1,499 - -1,000	1,501-2,000	4,501-5,000
Area of mature source rocks	-999 - -500	2,001-2,500	5,001-5,500
045-35231 X-Section Well (Figures 7 & 8)	-499 - 0	2,501-3,000	5,501-6,000
		6,000-6,500	

Source (Appendix 2): "Geology and Oil and Gas Assessment of the Todilto Total Petroleum System, San Juan Basin Province, New Mexico and Colorado", Ridgley, J.L. and Hatch, J.R., Digital Data Series 69-F, U.S. Department of Interior, U.S. Geological Survey, 2013.

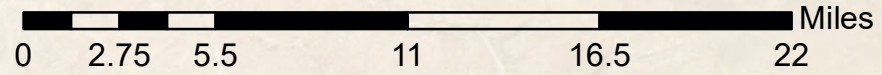
Prepared For: Marathon Petroleum		Description: <b>FIGURE 5</b> ENTRADA STRUCTURE CONTOUR MAP	
Prepared By: 			
Drawn By: SK	Scale: 1" = 25 miles	Sheet: 11" x 17"	Location: Bloomfield, NM
Checked By: BS	Date: 09-04-2024		





**Legend**

- Cross Section Wells
- B-B'
- A-A'
- City Boundaries
- San Juan County



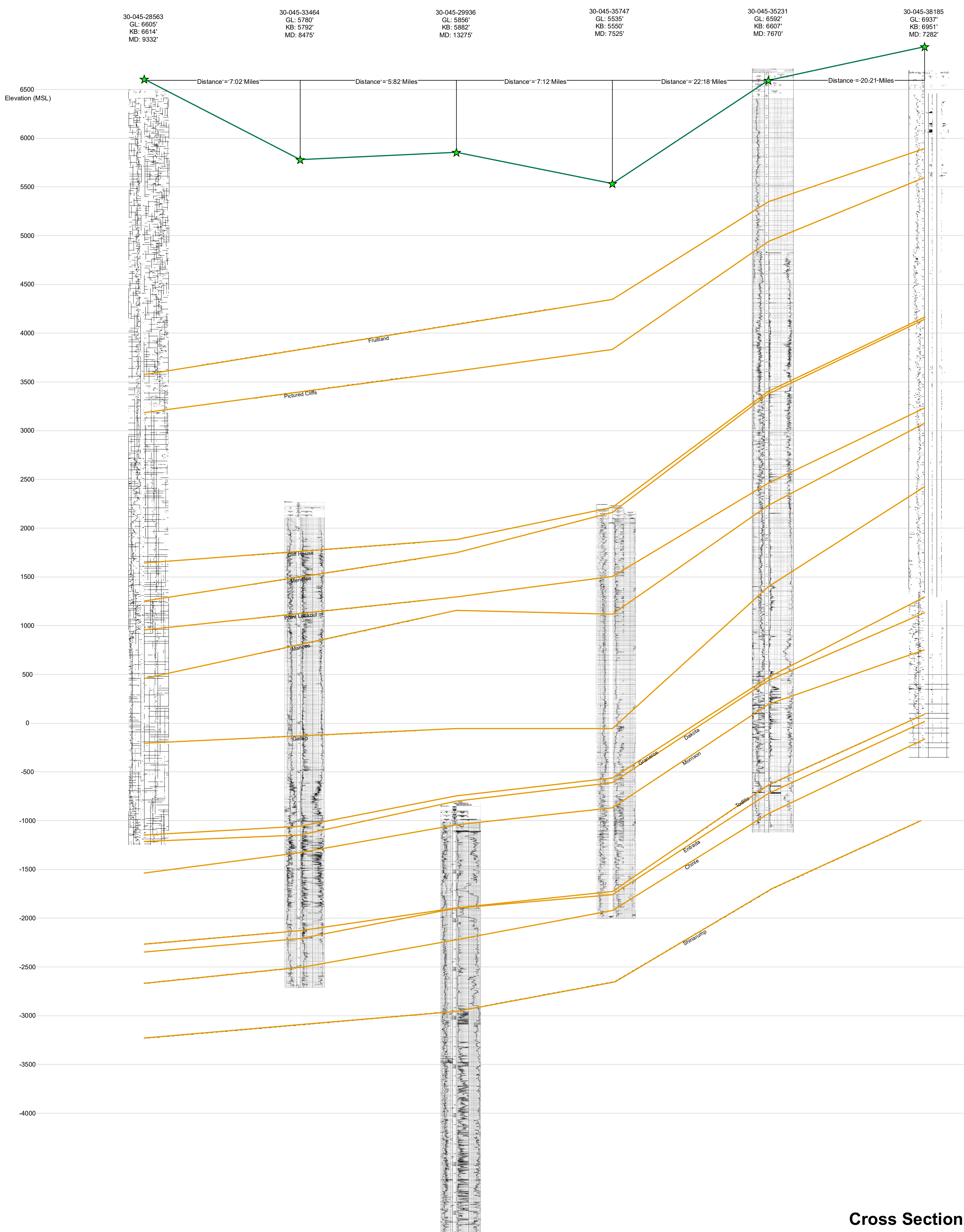
Map showing West / East and North / South Cross Section lines and wells that penetrate the Entrada Formation.

Prepared For: <b>Marathon Petroleum</b>		Description: <b>FIGURE 6 Cross Section Reference Map</b>	
Prepared By: 		900 N Tyler, Wichita, KS 67212 Phone 316-260-2460   Fax 316-260-2433 STRATALLC.COM	
Drawn By: JL	Scale: 1:348,480	Sheet: 11 X 17	Job No.
Checked By: SK	Date: 08/30/2024		



B

B'

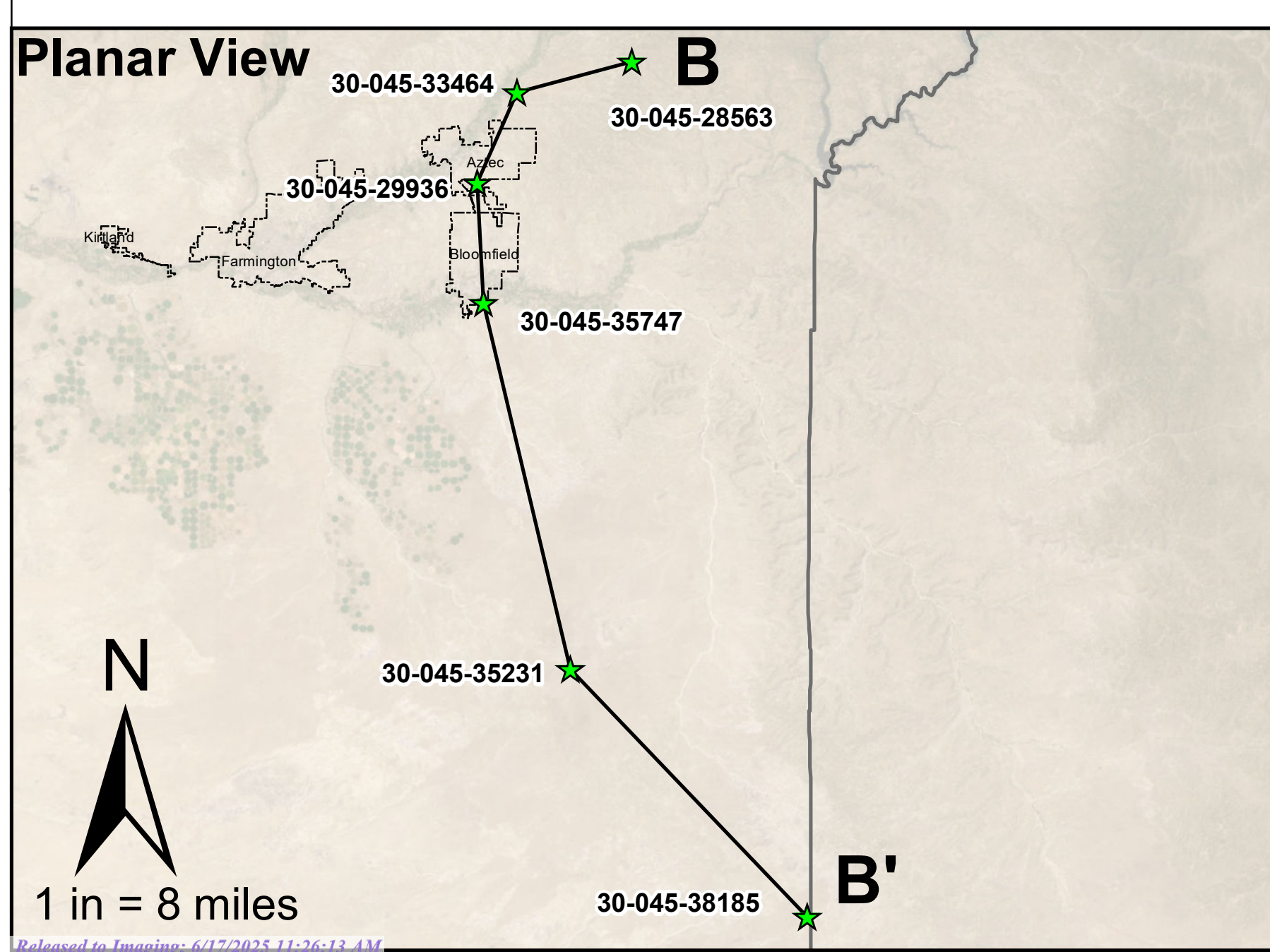


### Cross Section View

Horizontal Scale = Not to Scale  
Vertical Scale = 1:5,400

Cross Section Distance = ~58.75 Miles

Note: Formation Tops were from readily available top calls from OCD Permitting website.



**Legend**

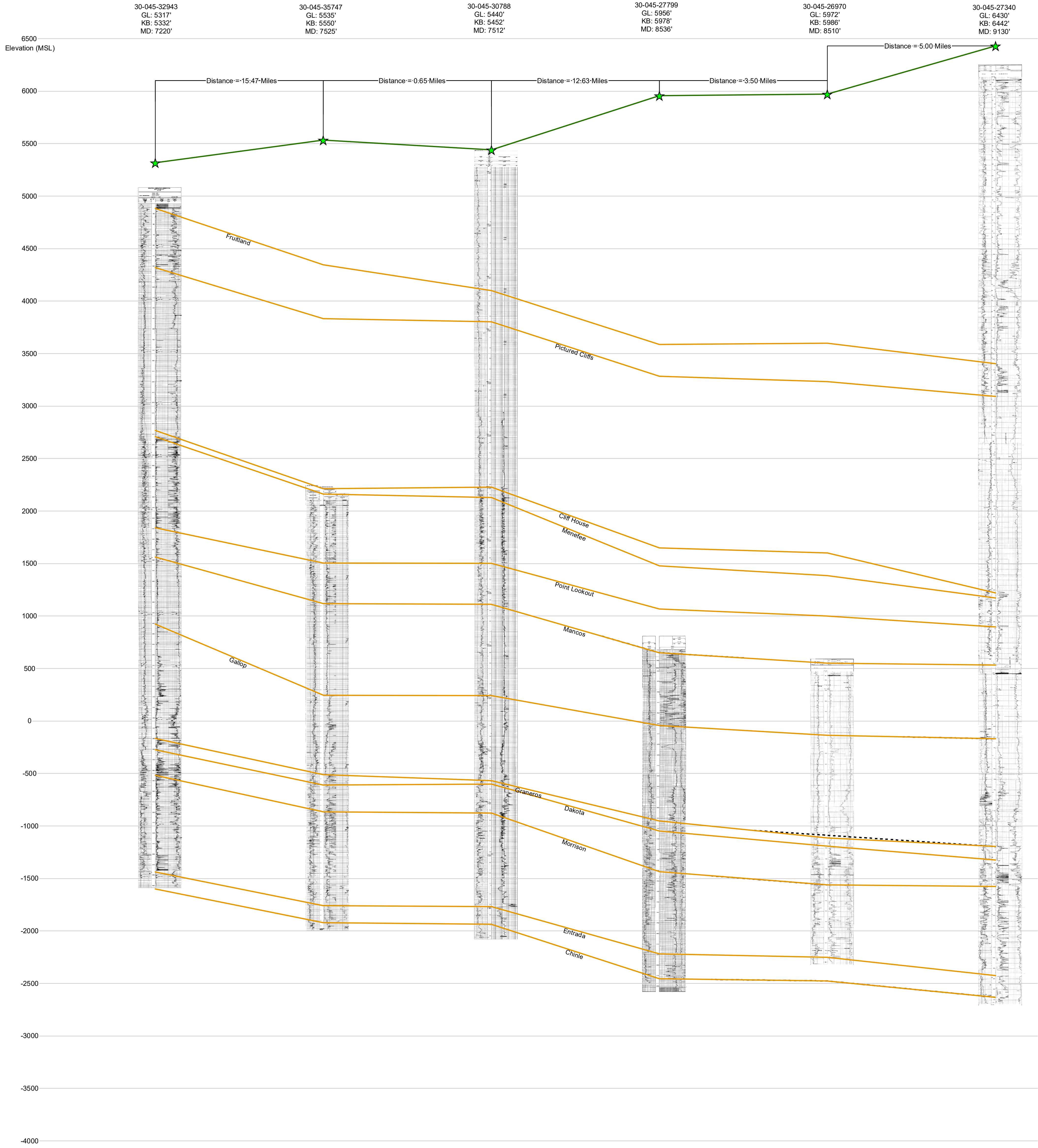
- ★ Surface Locations
- Cross Section B
- Ground Surface
- Formation Tops
- - - - Inferred - No Top Call
- City Boundaries
- San Juan County

Prepared For: <b>Marathon Petroleum</b>		Description: <b>FIGURE 7 Cross Section B-B'</b>	
Prepared By: 		900 N Tylor, Wichita, KS 67212 Phone 316-260-2460   Fax 316-260-2433 STRATALLC.COM	
Drawn By: <b>JL</b>	Scale: <b>1:5,400</b>	Sheet: <b>24 X 36</b>	Job No.:
Checked By: <b>SK</b>	Date: <b>8/30/2024</b>		



A

A



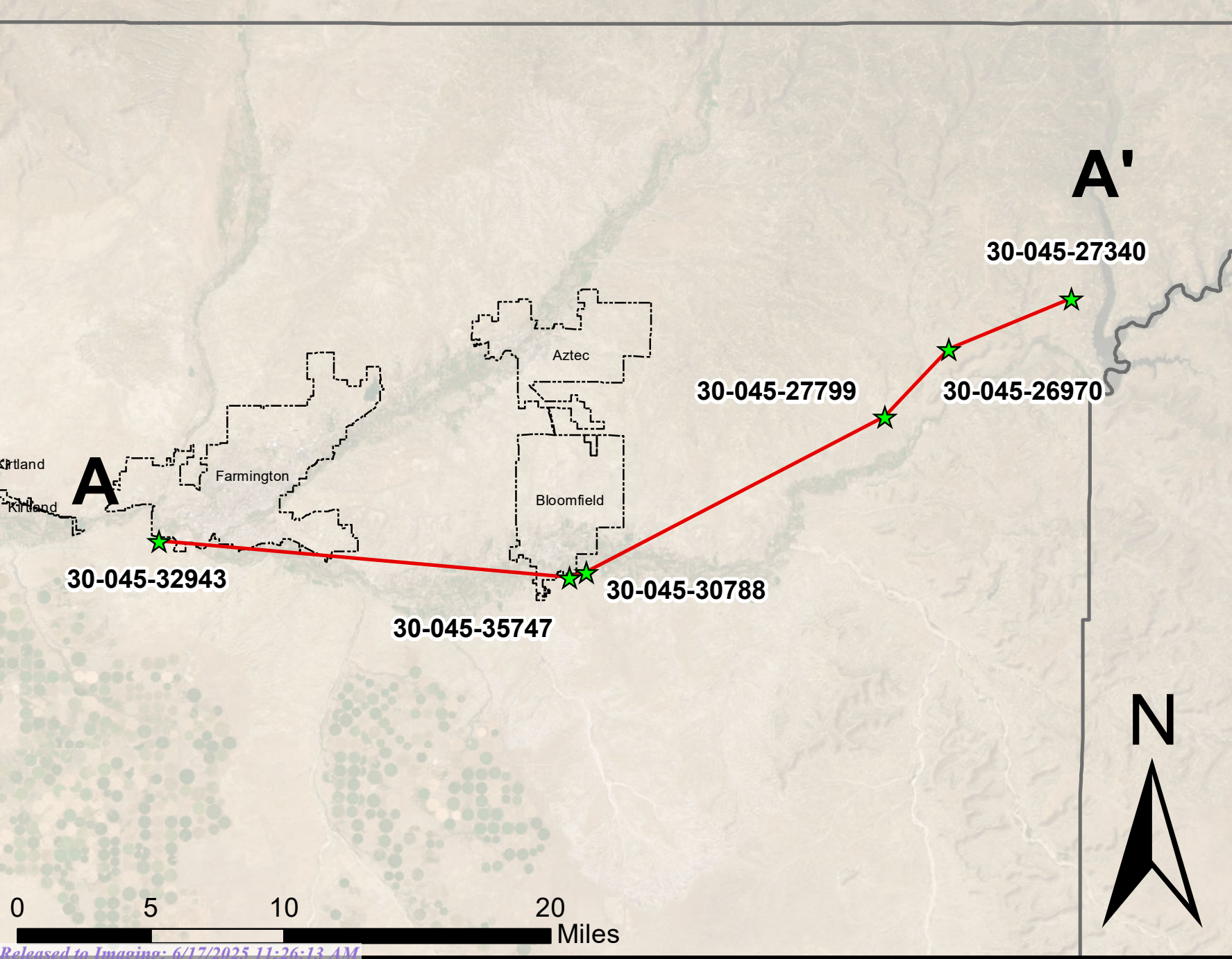
### Cross Section View

Horizontal Scale = Not to Scale  
Vertical Scale = 1 : 5,400

Cross Section Distance = ~37.25 Miles

Note: Formation Tops were from readily available top calls from OCD Permitting website.

### Planar View



### Legend

- ★ Surface Locations
- Cross Section A
- Ground Surface
- Formation Tops
- - - - Inferred - No Top Call
- City Boundaries
- San Juan County

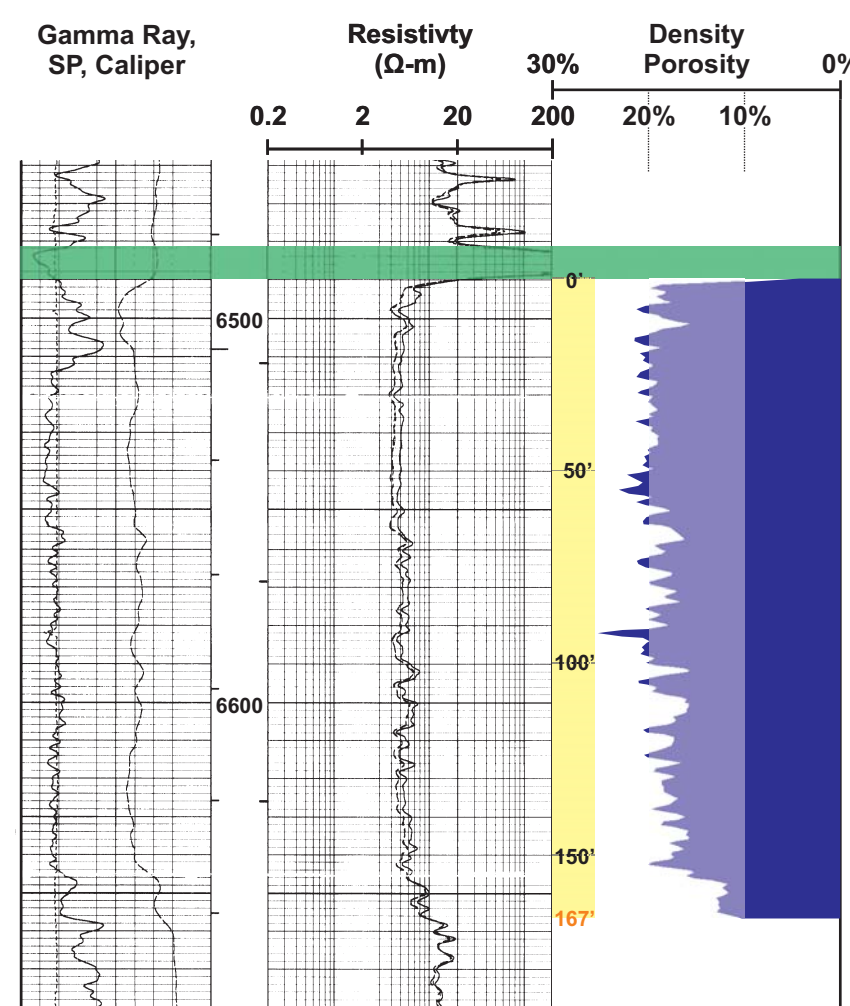
Prepared For: <b>Marathon Petroleum</b>		Description: <b>FIGURE 8 Cross Section A-A'</b>	
Prepared By: 		900 N Tylor, Wichita, KS 67212 Phone 316-260-2460   Fax 316-260-2433 STRATALLC.COM	
Drawn By: <b>JL</b>	Scale : <b>1:5,400</b>	Sheet: <b>24 X 36</b>	Job No.
Checked By: <b>SK</b>	Date: <b>8/30/2024</b>		



LANCE OIL & GAS  
Salty Dog #5

30-045-32900

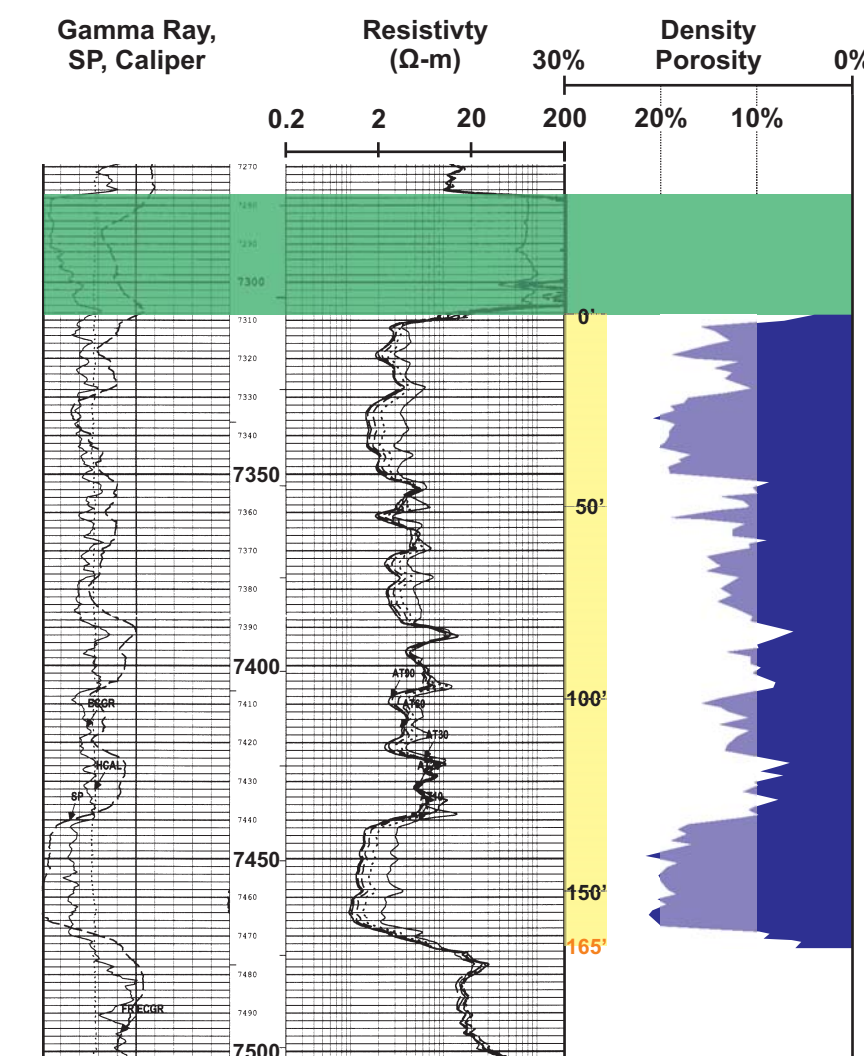
KB Elevation	5223' MSL	0'	30% +
Entrada Top	6490' KB	42'	20% - 30%
Avg. Rate	80,000 bbl/mo	125'	10% - 20%
Avg. SIP	1,730 psi	0'	0% - 10%
Entrada Top	-1267' MSL	167'	-18%
Injectivity Index	46.2 bbl/mo/psi	φ-ft	29.2'



WESTERN REFINING SW, INC. (MARATHON PETROLEUM)  
WDW #2

30-045-35747

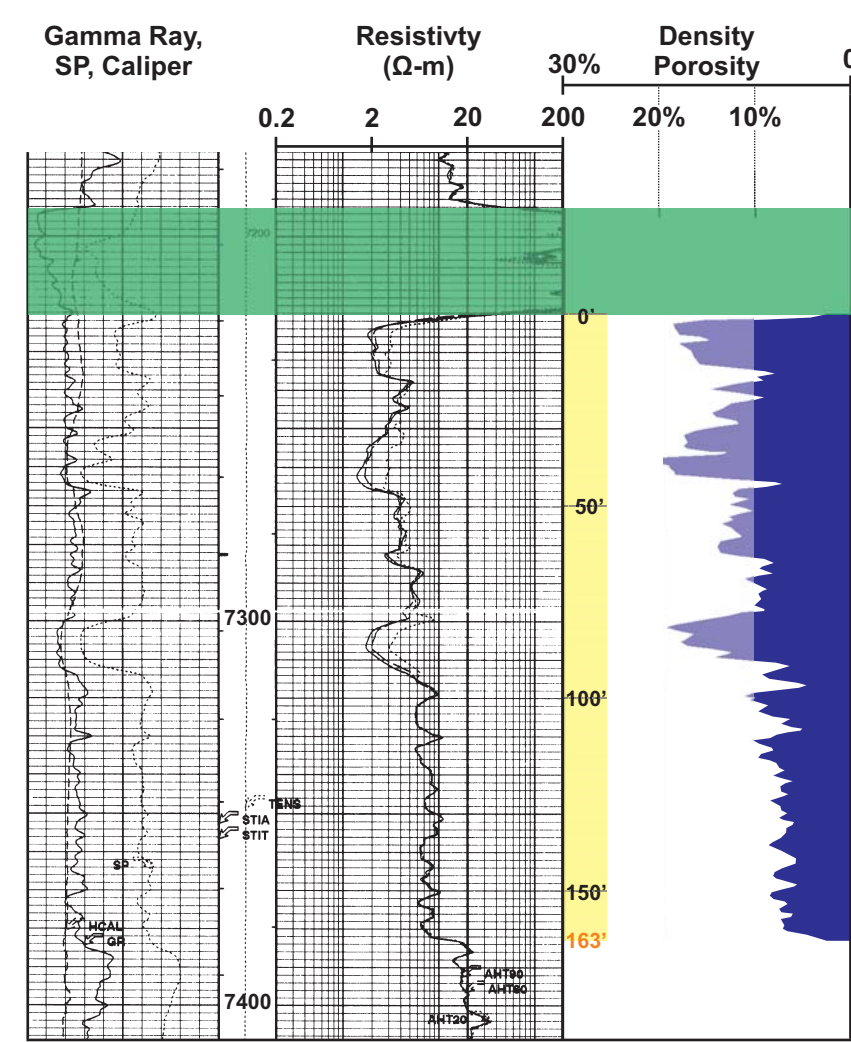
KB Elevation	5550' MSL	0'	30% +
Entrada Top	7308' KB	8'	20% - 30%
Avg. Rate	11,000 bbl/mo	126'	10% - 20%
Avg. SIP	1,285 psi	31'	0% - 10%
Entrada Top	-1758' MSL	165'	-14%
Injectivity Index	8.6 bbl/mo/psi	φ-ft	22.4'



XTO ENERGY INC.  
Ashcroft SWD #1

30-045-30788

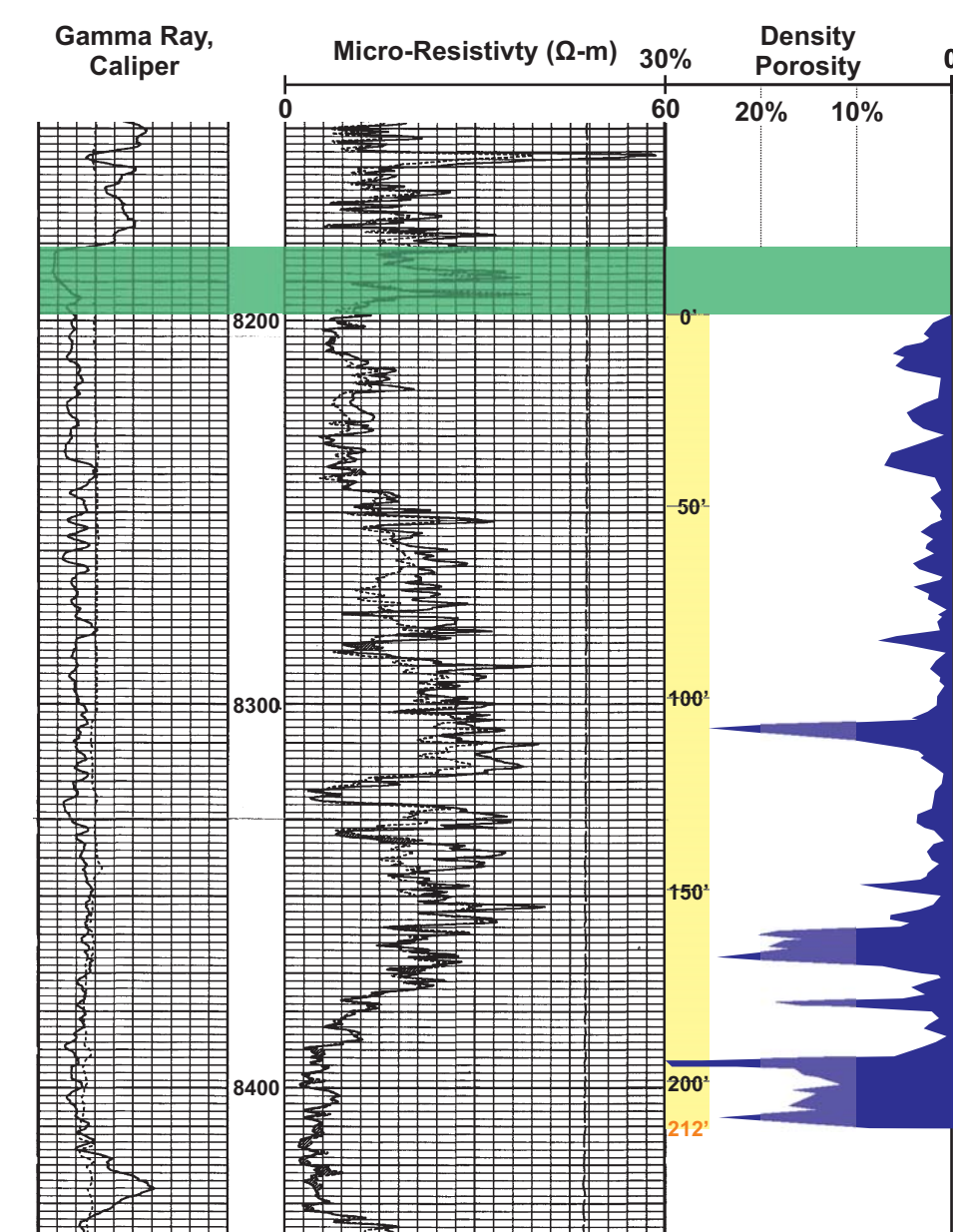
KB Elevation	5452' MSL	0'	30% +
Entrada Top	7220' KB	0'	20% - 30%
Avg. Rate	18,000 bbl/mo	71'	10% - 20%
Avg. SIP	1,350 psi	92'	0% - 10%
Entrada Top	-1768' MSL	163'	-9%
Injectivity Index	13.3 bbl/mo/psi	φ-ft	15.2'



DJR OPERATING LLC  
E.E. Elliot SWD No. 1

30-045-27799

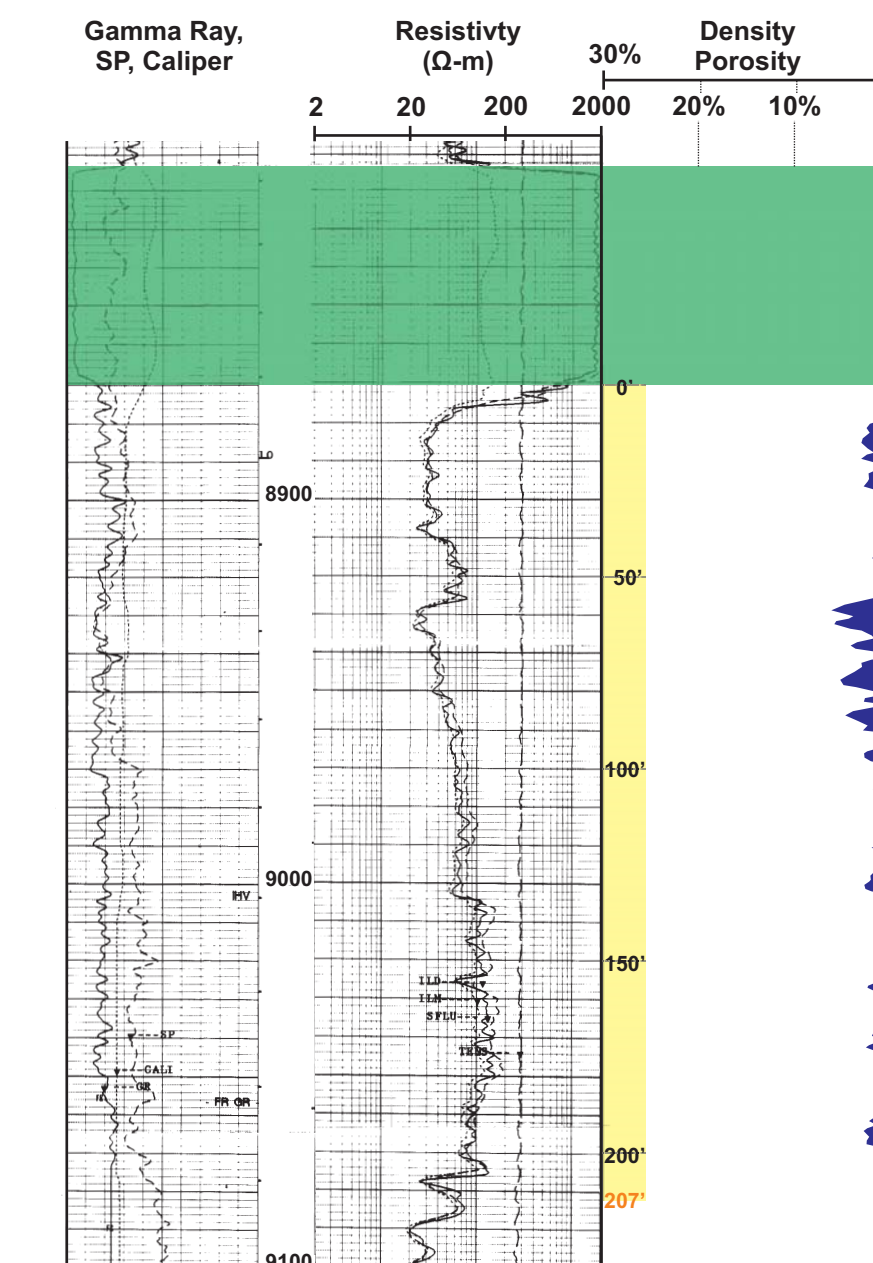
KB Elevation	5978' MSL	0'	30% +
Entrada Top	8198' KB	8'	20% - 30%
Avg. Rate	11,500 bbl/mo	34'	10% - 20%
Avg. SIP	1,700 psi	170'	0% - 10%
Entrada Top	-2220' MSL	212'	-7%
Injectivity Index	6.8 bbl/mo/psi	φ-ft	15.6'



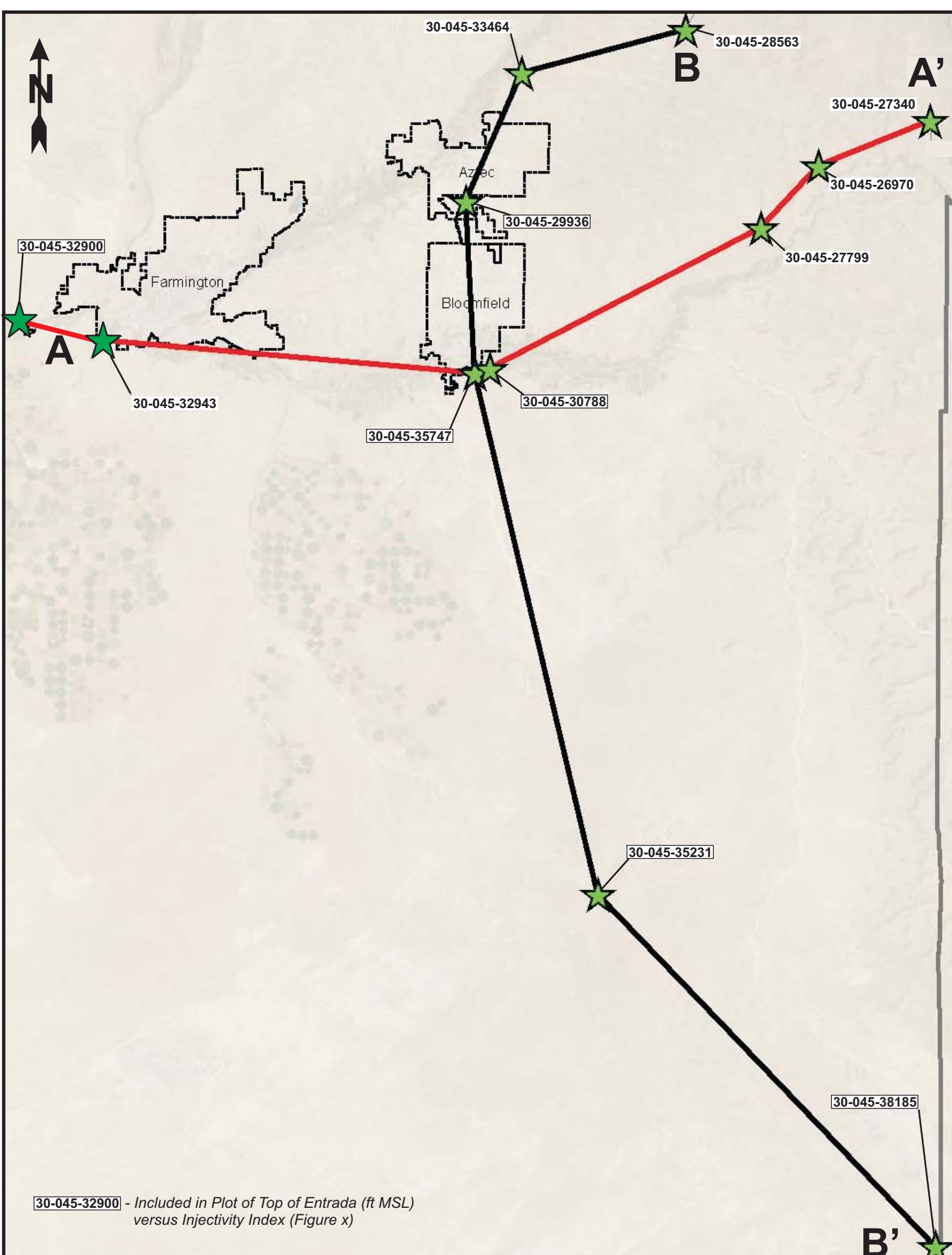
BLACKWOOD & NICHOLS COMPANY, LTD  
NEBU 503 Pump Mesa SWD #1

30-045-27340

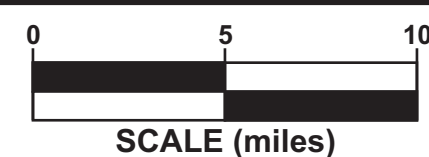
KB Elevation	6442' MSL	0'	30% +
Entrada Top	8871' KB	0'	20% - 30%
Avg. Rate	26,000 bpm	0'	10% - 20%
Avg. SIP	2,100 psi	207'	0% - 10%
Entrada Top	-2429' MSL	207'	-2%
Injectivity Index	12.4 bbl/mo/psi	φ-ft	3.5 φ-ft



CROSS SECTION LINES



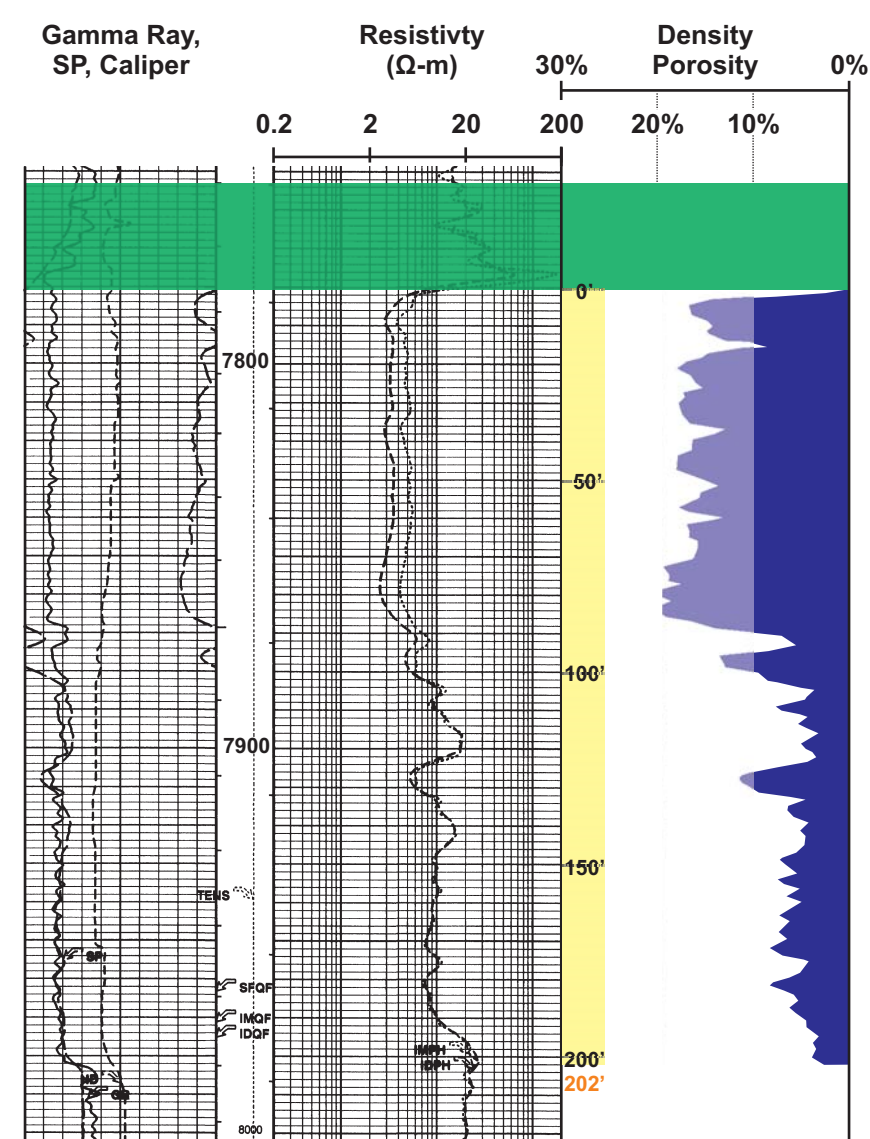
30-045-32900 - Included in Plot of Top of Entrada (ft MSL) versus Injectivity Index (Figure x)



BURLINGTON RESOURCES, INC.  
Vaslay Com #2

30-045-29936

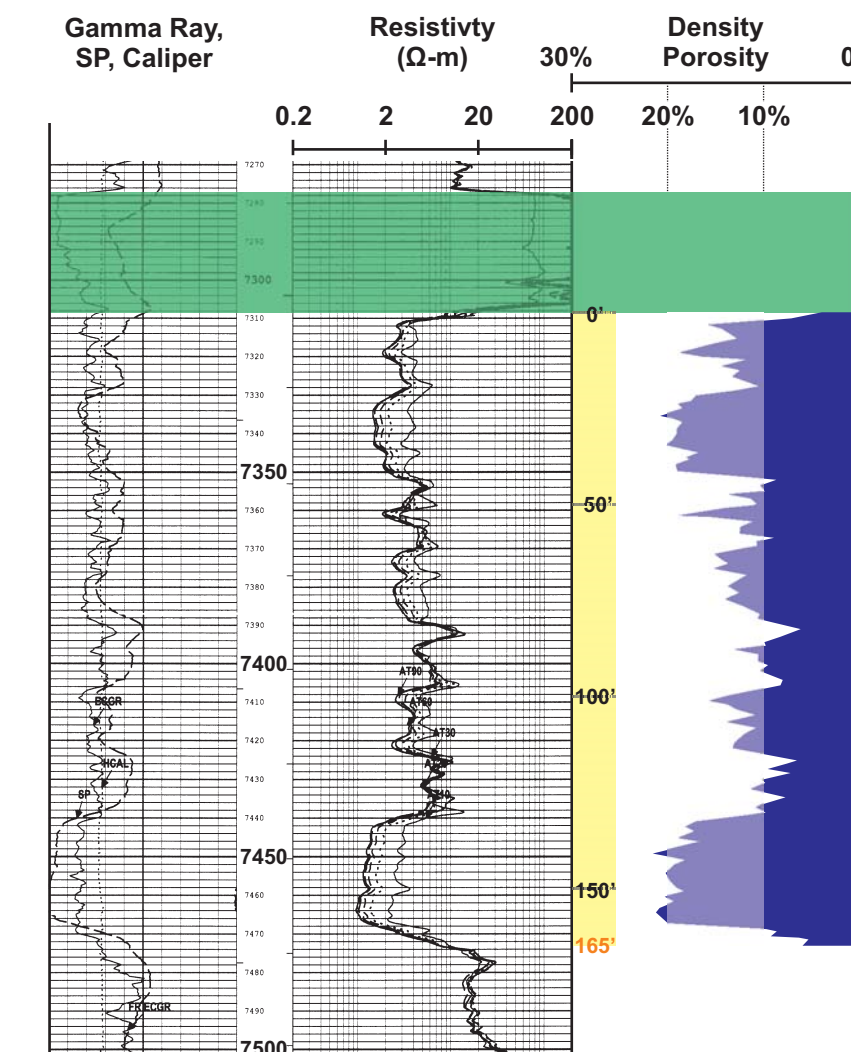
KB Elevation	5882' MSL	0'	30% +
Entrada Top	7780' KB	2'	20% - 30%
Avg. Rate	80,000 bbl/mo	93'	10% - 20%
Avg. SIP	1,730 psi	107'	0% - 10%
Entrada Top	-1898' MSL	202'	-10%
Injectivity Index	4.7 bbl/mo/psi	φ-ft	19.8'



WESTERN REFINING SOUTHWEST, INC.  
WDW #2

30-045-35747

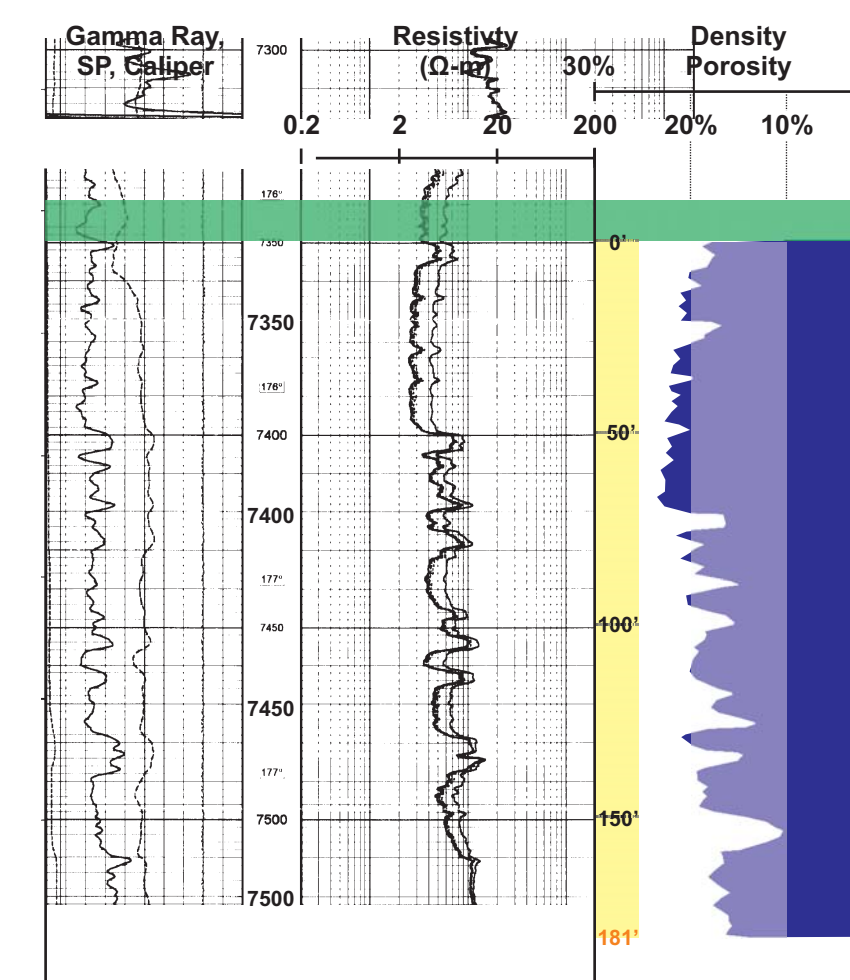
KB Elevation	5550' MSL	0'	30% +
Entrada Top	7308' KB	8'	20% - 30%
Avg. Rate	11,000 bbl/mo	126'	10% - 20%
Avg. SIP	1,350 psi	31'	0% - 10%
Entrada Top	-1758' MSL	165'	-14%
Injectivity Index	8.1 bbl/mo/psi	φ-ft	22.4'



XTO ENERGY INC.  
Holiday SWD #1

30-045-35321

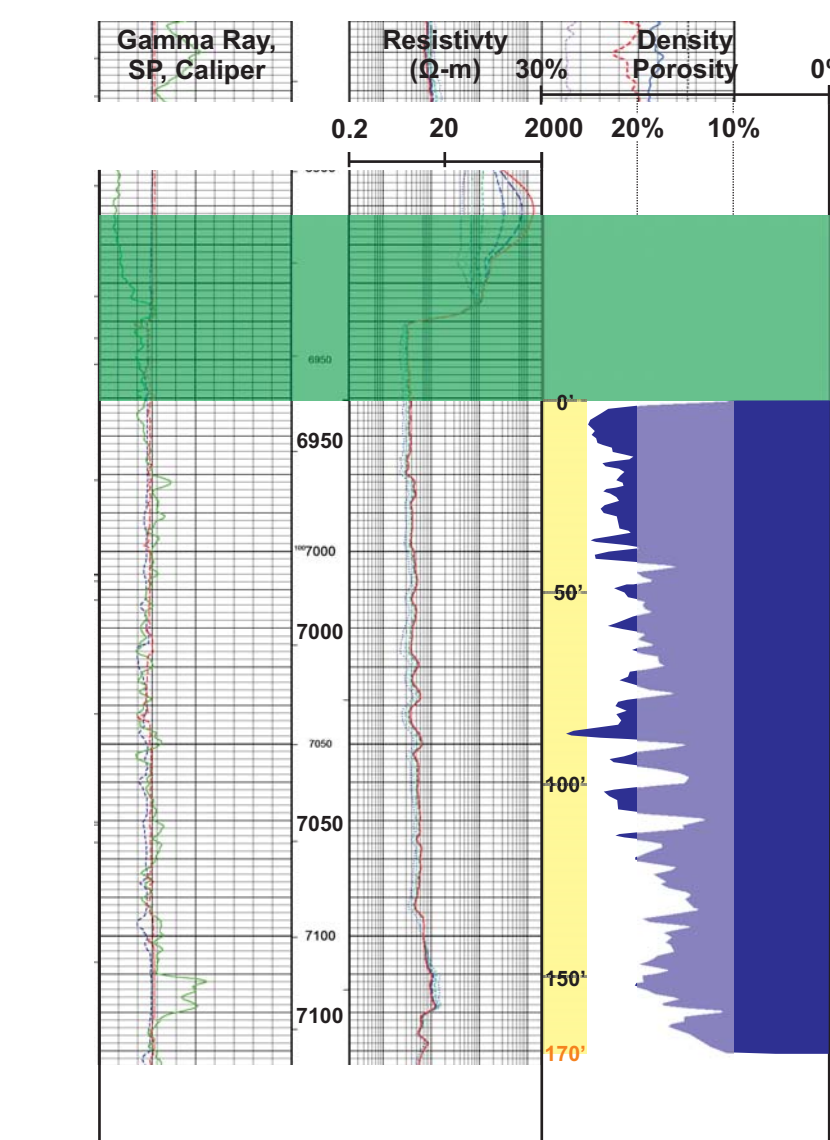
KB Elevation	6607' MSL	0'	30% +
Entrada Top	7339' KB	64'	20% - 30%
Avg. Rate	26,000 bbl/mo	117'	10% - 20%
Avg. SIP	90 psi	0'	0% - 10%
Entrada Top	-732' MSL	181'	-20%
Injectivity Index	289 bbl/mo/psi	φ-ft	35.5'



DJR OPERATING LLC  
North Alamito Unit SWD #1

30-045-38185

KB Elevation	6951' MSL	0'	30% +
Entrada Top	6939' KB	78'	20% - 30%
Avg. Rate	55,000 bbl/mo	92'	10% - 20%
Avg. SIP	550 psi	0'	0% - 10%
Entrada Top	+12' MSL	170'	-20%
Injectivity Index	100 bbl/mo/psi	φ-ft	33.3'

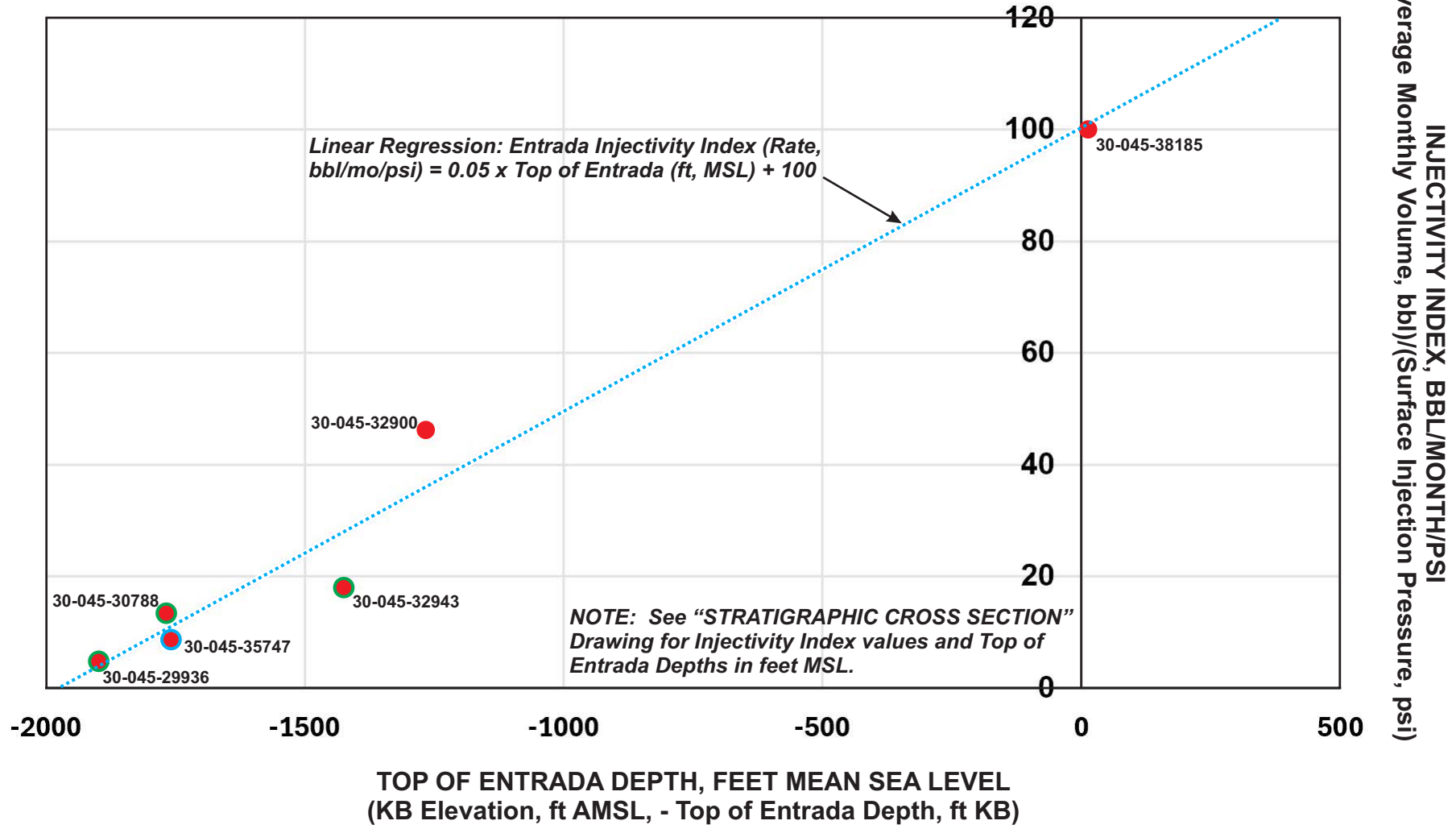


LEGEND

- Todilto Limestone Formation
- Entrada Sandstone Porosity (0 - 15% & 20% - 30%)
- Entrada Sandstone Height
- Entrada Sandstone Porosity (15% - 20%)

Prepared For:	Marathon Petroleum	Description:	FIGURE 9 STRATIGRAPHIC CROSS-SECTIONS		
Prepared By:	SK	Scale:	Vert: 1" = 50'	Sheet:	36" x 24"
Checked By:	BS	Date:	09-04-2024	Location:	Bloomfield, NM

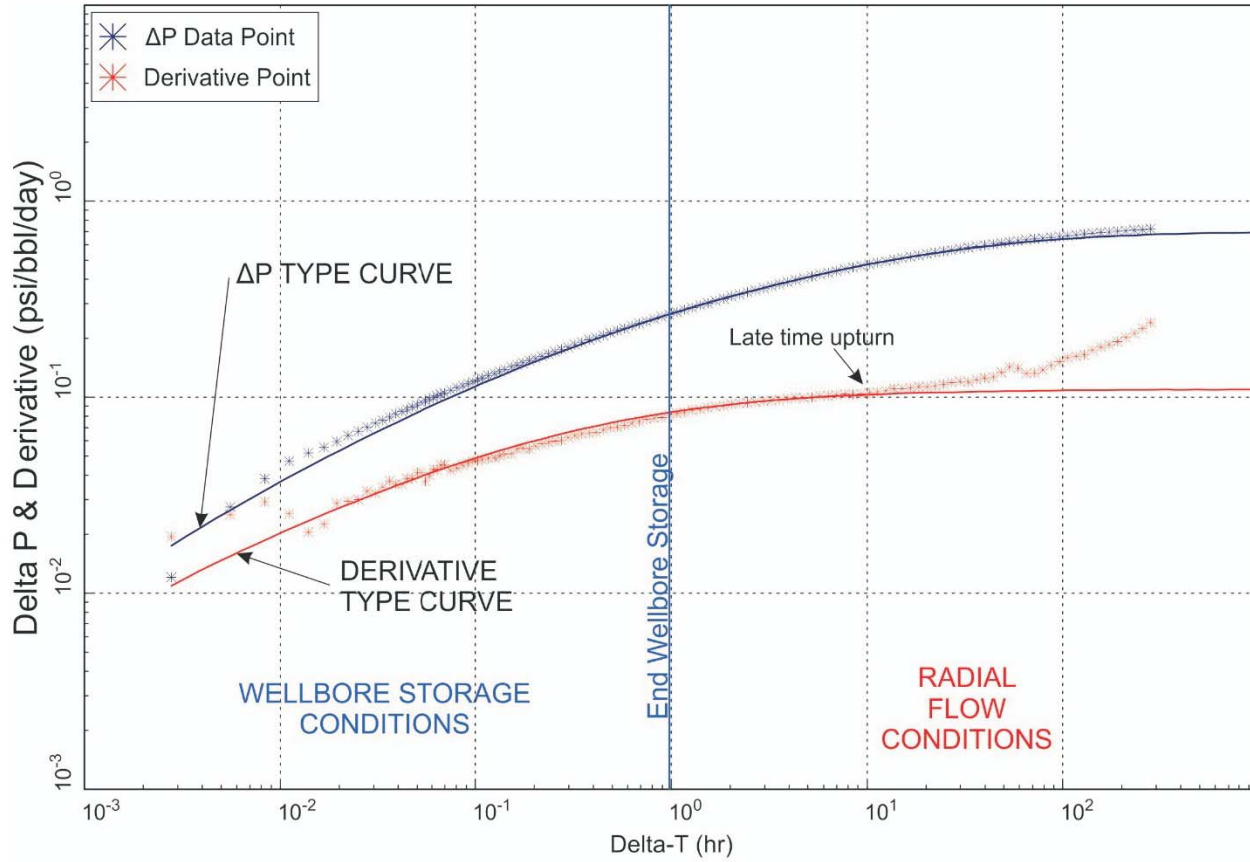




<b>LEGEND</b>	Prepared For: Marathon Petroleum		Description: <b>FIGURE 10</b> INJECTIVITY INDEX VS. ENTRADA DEPTH	
	Prepared By: 		Drawn By: SK	Scale: No Scale
<ul style="list-style-type: none"> <li><span style="color: blue;">●</span> - Marathon WDW #2</li> <li><span style="color: green;">●</span> - Wells Nearest to Marathon WDW #2</li> <li><span style="color: red;">●</span> - Wells Past Wells Nearest to Marathon WDW #2</li> </ul> <p>30-045-32943: Omitted from "Stratigraphic X-Section" due to partial porosity log</p>	Checked By: BS	Date: 09-04-2024	Sheet: 11" x 8½"	Location: Bloomfield, NM

**APPENDIX A**

**2023 PRESSURE FALLOFF TEST ANALYSES SIMULATION CURVES**



Homogeneous Reservoir

\*\* Simulation Data \*\*  
 Well storage = 0.0020336 bbls/psi  
 Skin = -4.3003  
 Permeability = 2.4599 md  
 Areal  $K_y/K_x$  = 1.0000  
 Perm-Thickness = 302.56 md-feet  
 Initial Press. = 3,725.62 psi  
 Smoothing Coef = 0, 0

Static-Data and Constants

Volume-Factor = 1.000 vol/vol  
 Thickness = 123 feet  
 Viscosity = 0.47 cp  
 Total Compress =  $4.44e^{-6}$  psi<sup>-1</sup>  
 Rate = -1,011.36 bbls/day  
 Storativity = 0.00008137 feet psi<sup>-1</sup>  
 Diffusivity = 2,086 ft<sup>2</sup>/hr  
 Gauge Depth = 7,312 feet

Figure 7 – Log-log Plot

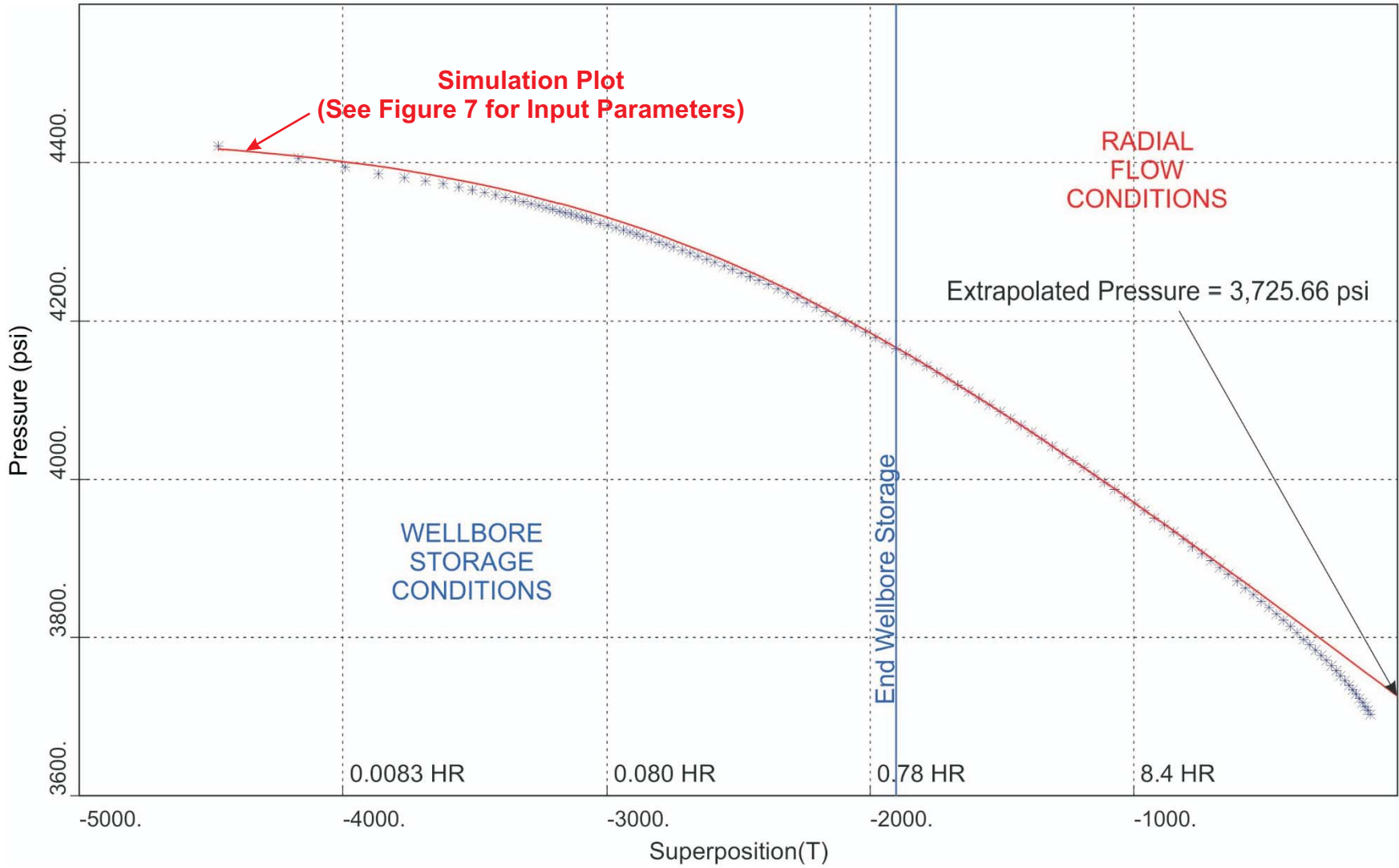


Figure 8 - Superposition Plot

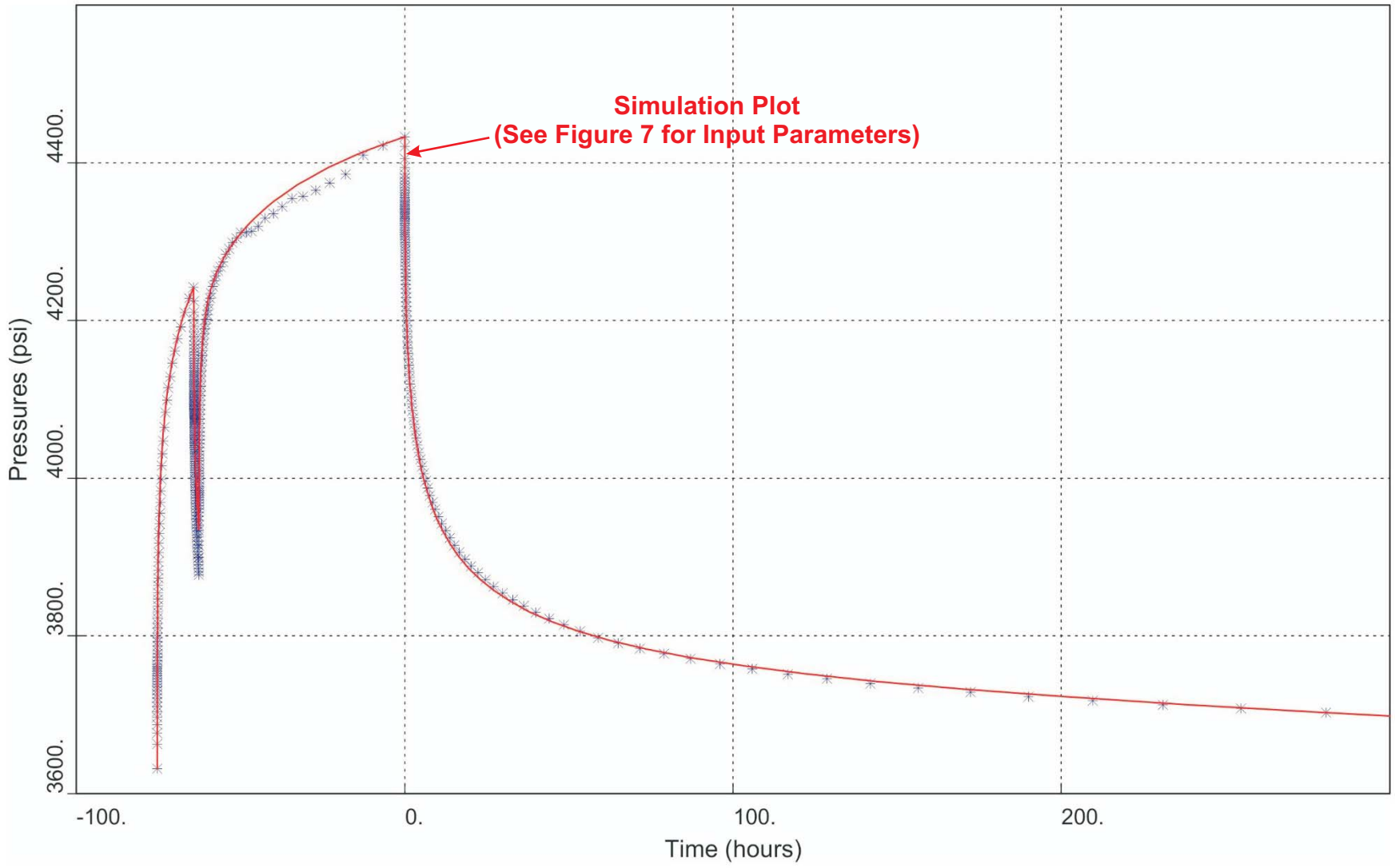


Figure 9 - Pressure Plot



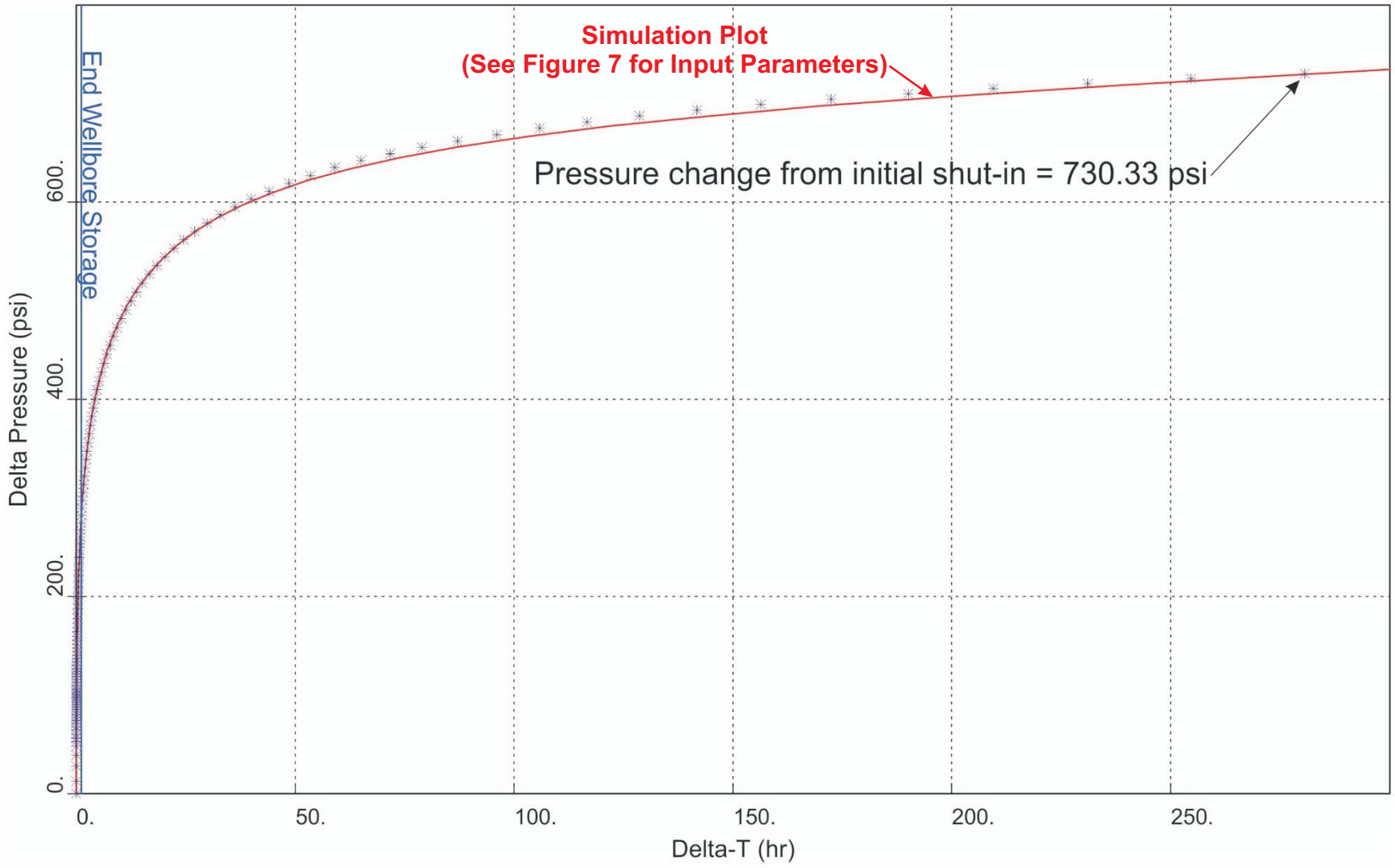


Figure 10 - Cartesian Plot

**APPENDIX B**

**ENTRADA SANDSTONE TECHNICAL PAPER**

# Geology and Oil and Gas Assessment of the Todilto Total Petroleum System, San Juan Basin Province, New Mexico and Colorado



*Click here to return to*  
**Volume Title Page**

By J.L. Ridgley and J.R Hatch

Chapter 3 of 7

## **Total Petroleum Systems and Geologic Assessment of Undiscovered Oil and Gas Resources in the San Juan Basin Province, Exclusive of Paleozoic Rocks, New Mexico and Colorado**

Compiled by U.S. Geological Survey San Juan Basin Assessment Team

Digital Data Series 69–F

**U.S. Department of the Interior**  
**U.S. Geological Survey**

**U.S. Department of the Interior**  
KEN SALAZAR, Secretary

**U.S. Geological Survey**  
Marcia K. McNutt, Director

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Ridgley, J.L., and Hatch, J.R., 2013, Geology and oil and gas assessment of the Todilto Total Petroleum System, San Juan Basin Province, New Mexico and Colorado, chap. 3 of U.S. Geological Survey San Juan Basin Assessment Team, Total petroleum systems and geologic assessment of undiscovered oil and gas resources in the San Juan Basin Province, exclusive of Paleozoic rocks, New Mexico and Colorado: U.S. Geological Survey Digital Data Series 69–F, p. 1–29.

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# Geology and Oil and Gas Assessment of the Todilto Total Petroleum System, San Juan Basin Province, New Mexico and Colorado

By J.L. Ridgley and J.R Hatch

## Abstract

Organic-rich, shaly limestone beds, which contain hydrocarbon source beds in the lower part of the Jurassic Todilto Limestone Member of the Wanakah Formation, and sandstone reservoirs in the overlying Jurassic Entrada Sandstone, compose the Todilto Total Petroleum System (TPS). Source rock facies of the Todilto Limestone were deposited in a combined marine-lacustrine depositional setting. Sandstone reservoirs in the Entrada Sandstone were deposited in eolian depositional environments. Oil in Todilto source beds was generated beginning in the middle Paleocene, about 63 million years ago, and maximum generation of oil occurred in the middle Eocene. In the northern part of the San Juan Basin, possible gas and condensate were generated in Todilto Limestone Member source beds until the middle Miocene. The migration distance of oil from the Todilto source beds into the underlying Entrada Sandstone reservoirs was short, probably within the dimensions of a single dune crest. Traps in the Entrada are mainly stratigraphic and diagenetic. Regional tilt of the strata to the northeast has influenced structural trapping of oil, but also allowed for later introduction of water. Subsequent hydrodynamic forces have influenced the repositioning of the oil in some reservoirs and flushing in others. Seals are mostly the anhydrite and limestone facies of the Todilto, which thin to as little as 10 ft over the crests of the dunes.

The TPS contains only one assessment unit, the Entrada Sandstone Conventional Oil Assessment Unit (AU) (50220401). Only four of the eight oil fields producing from the Entrada met the 0.5 million barrels of oil minimum size used for this assessment. The AU was estimated at the mean to have potential additions to reserves of 2.32 million barrels of oil (MMBO), 5.56 billion cubic feet of natural gas (BCFG), and 0.22 million barrels of natural gas liquids (MMBNGL).

## Introduction

The boundary of the Middle Jurassic Todilto Total Petroleum System (TPS) was drawn to coincide with the boundary of the San Juan Basin Province except along the northwest and

southwest margins (fig. 1). In these areas, the TPS boundary was drawn basinward from Todilto outcrops because analysis of facies in the Todilto Limestone Member of the Wanakah Formation and the underlying Entrada Sandstone in these areas suggested a lack of source rock potential, insufficient thermal maturity, and unfavorable reservoir geometry. The Todilto TPS is the stratigraphically oldest TPS evaluated in the 2002 National Oil and Gas Assessment of the San Juan Basin Province. The TPS contains only one assessment unit, the Entrada Sandstone Conventional Oil Assessment Unit (AU) (50220401) (fig. 2).

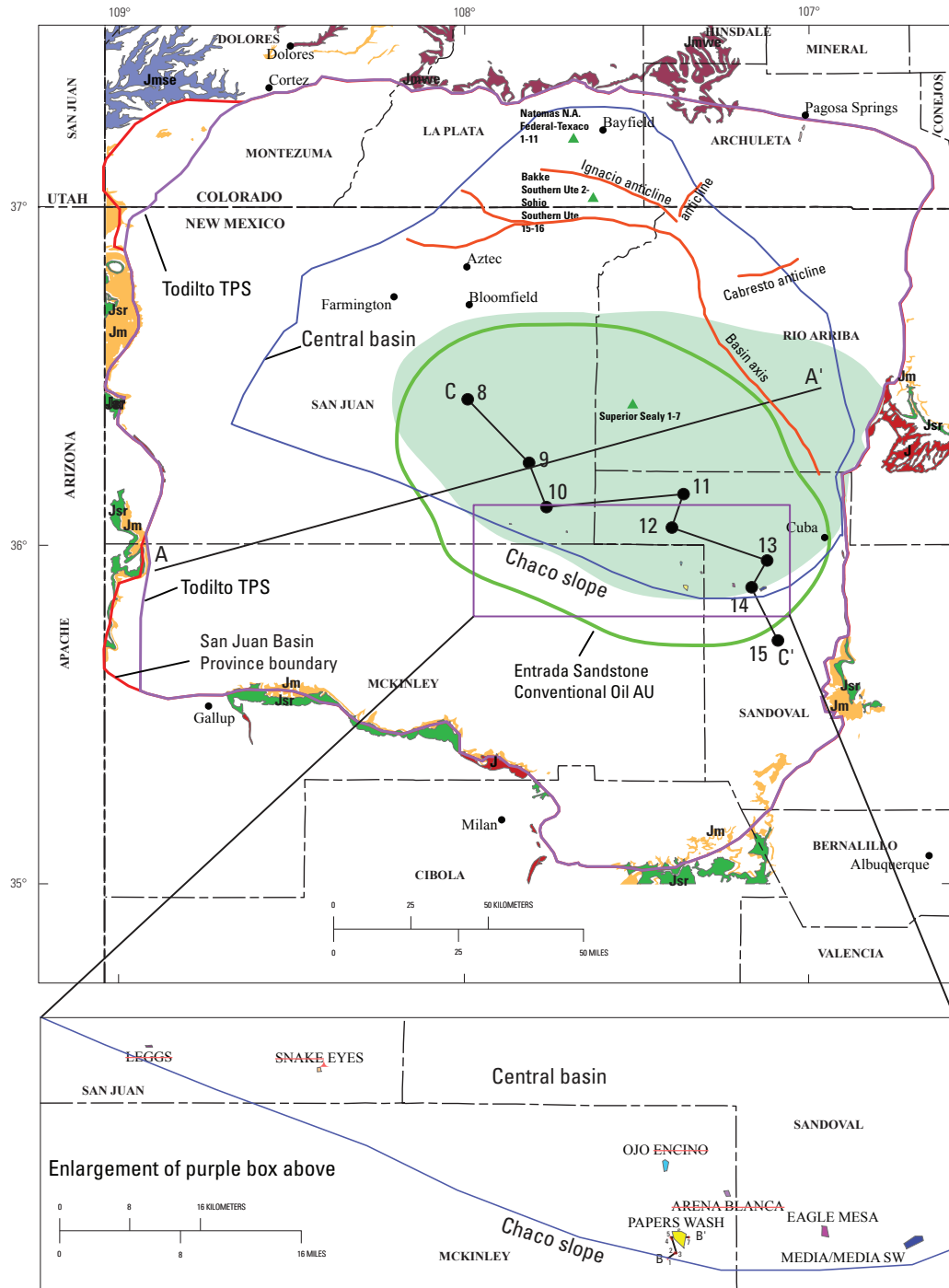
The Todilto TPS comprises two Middle Jurassic rock units:

1. Entrada Sandstone, the reservoir, and
2. the overlying Todilto Limestone Member of the Wanakah Formation, the source and seal (fig. 2).

The Todilto Limestone Member is the source of the oil and small quantities of associated gas found in the Entrada; it is also the seal to migrating hydrocarbons. The Entrada Sandstone is mostly of eolian origin, including large ergs with individual dune thickness ranging from 60 to 330 ft. The ergs are extensive throughout the San Juan Basin and continue into surrounding areas of Utah, Arizona, and Colorado. There is little evidence of basin subsidence on deposition of the upper part of the Entrada Sandstone except near the end of its time of deposition.

Near the close of deposition of the Entrada, an area extending south from central Colorado well into New Mexico subsided. Marine waters from the north flowed south across a sill, located in south-central Colorado, and formed a large bay in the subsided area (Ridgley, 1989) (fig. 3). Rapid flooding in this embayment by marine waters from the north modified the topographic expression of the Entrada dunes, resulting in relict dune topography of variable height. A large inland sea formed within the embayment (Tanner, 1970; Kirkland and others, 1995). This inland sea is characterized by a basal limestone facies, which contains interbedded organic-rich shale, and an overlying anhydrite facies, which alters to gypsum at the surface. These chemical facies make up the Todilto Limestone Member of the Wanakah Formation. Preservation of individual sand dunes overlain by a carbonate unit that serves as both source rock and seal make the Todilto a locally sourced TPS.

2 Total Petroleum Systems and Geologic Assessment of Undiscovered Oil and Gas Resources in the San Juan Basin Province

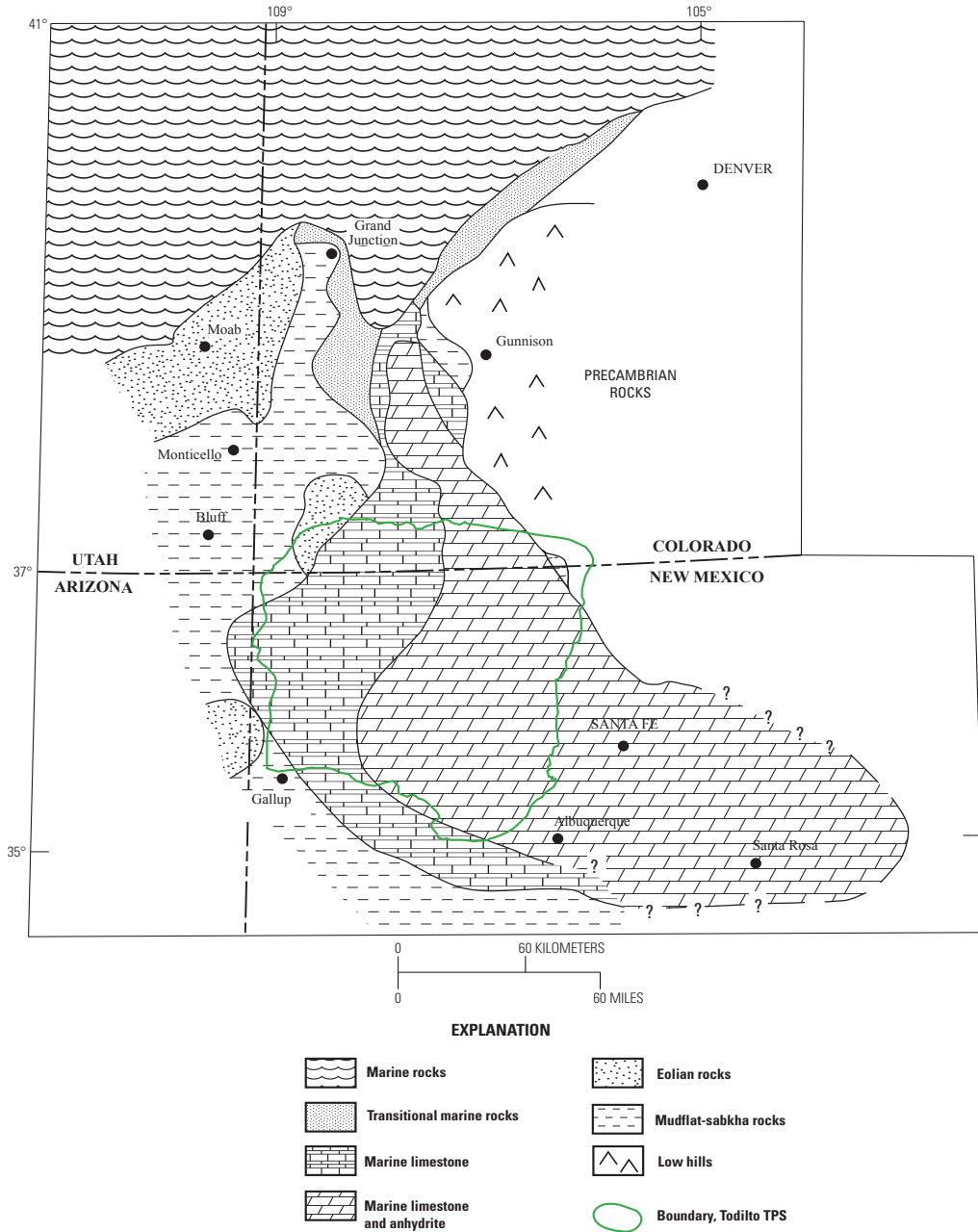


**Figure 1.** Map showing boundary of the San Juan Basin Province (5022) (red line), Todilto Total Petroleum System (TPS) (purple line), Entrada Sandstone Conventional Oil Assessment Unit (AU) (green line), and location of Entrada Sandstone Conventional Oil AU oil fields (see inset for enlargement and oil field locations). Geologic map from Green (1992) and Green and Jones (1997): J, Jurassic rocks, undivided; Jm, Morrison Formation; Jmse, Morrison and Summerville Formations and Entrada Sandstone; Jmwe, Morrison and Wanakah Formations and Entrada Sandstone; Jsr, San Rafael Group, undivided. Pod of mature oil source rock (solid light-green area) modified from Vincelette and Chittum (1981). Location of cross sections A-A' (fig. 7), B-B' (fig. 9A; see inset) and C-C' (fig. 9B). Also shown are the outline of the central basin area (blue line), location of the Chaco slope, and the location of the three wells (green triangles) for the burial history curves used in this report (figs. 8A-C). Area of the central basin and location of the Chaco slope taken from Fassett (1991).

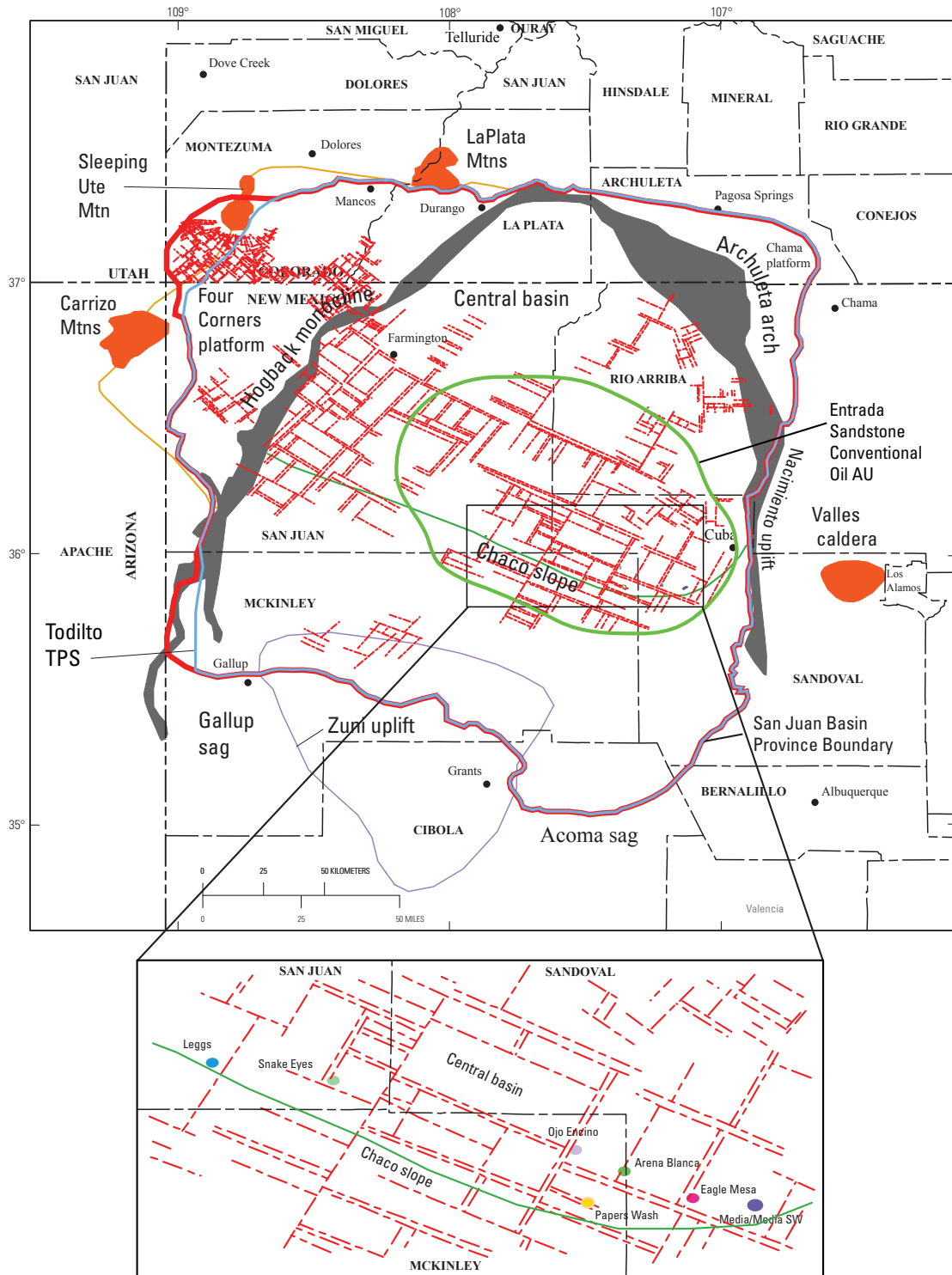




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**Figure 3.** Paleogeographic reconstruction showing distribution of rock types and environments of deposition related to Middle Jurassic Todilto Limestone Member of the Wanakah Formation deposition (from Ridgley, 1989). TPS, Total Petroleum System.



**Figure 4.** Map showing the boundary of the San Juan Basin Province (5022) (heavy red line), Todilto Total Petroleum System (TPS) (light blue line), Entrada Sandstone Conventional Oil Assessment Unit (AU) (heavy green line), and location of Entrada Sandstone oil fields (inset map). Also shown are the locations of inferred basement structural blocks (dashed red lines) modified from Taylor and Huffman (1998, 2001), and Huffman and Taylor (2002). Names and areal distribution of structural elements modified from Fassett (1991). Orange polygons are Late Cretaceous and Tertiary intrusive and extrusive igneous centers; gray polygons are areas of steep dip along monoclines. Inset map (enlargement) shows the relation of Entrada Sandstone oil fields to inferred basement structural blocks and boundary between the central basin and Chaco slope (light-weight green line).

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There are eight oil fields in the Entrada reservoirs:

1. Arena Blanca,
2. Eagle Mesa,
3. Leggs,
4. Media,
5. Media Southwest,
6. Ojo Encino,
7. Papers Wash, and
8. Snakes Eyes (fig. 1),

and several isolated undesignated fields consisting of single wells (see field descriptions in Fassett, 1978a,b, 1983). Approximately 6 MMBO and 124 BCFG have been produced from 44 wells in the Entrada (IHS Energy Group, 2003). Media field, the first Entrada discovery, was found in 1953 (Vincelette and Chittum, 1981) and produced only small quantities of oil until 1969. At that time new exploration concepts were developed, and the field was recognized as primarily a stratigraphic trap and not a structural trap. Once this control on oil accumulation was recognized, subsequent production was increased through the drilling of new wells. After 1969, new drilling for Entrada oil elsewhere in the basin was more successful. Most of the Entrada oil fields were discovered in the early to mid 1970s. The Arena Blanca field was discovered in 1985. Most of the post-1970s discoveries were wildcat wells drilled in the Entrada, and all but the Arena Blanca field consist of single-well production (IHS Energy Group, 2002). Seismic studies have always been an integral part of exploration because the Entrada target (dune crests) is too small to determine from conventional well-log correlation. In the San Juan Basin, fewer than 910 wells penetrate the Entrada.

In the San Juan Basin, a slight break in the regional tilt occurs between the Chaco slope to the south and the central basin to the north (fig. 4). It is near this break in slope in the southern part of the central basin that all the oil fields are found. In fact, the oil fields, although isolated, are aligned northwest-southeast subparallel to the regional structural grain. When these fields are superimposed on the basement blocks (fig. 4), each field occurs within a block near the southern terminus where two blocks intersect. The blocks probably did not control migration of the oil, but rather may have controlled original depositional thickness and preservation of the Entrada. There has been some re-migration of oil out of traps; these sandstone traps are now water wet and some contain residual oil (Vincelette and Chittum, 1981). Flushing of traps probably occurred after the northeast regional tilt was developed, and erosion of rocks along the southern and eastern margin of the basin allowed inclusion of younger meteoric water.

## Todilto Total Petroleum System

The Todilto TPS is in many ways similar to the Minnelusa and Leo Total Petroleum Systems in the Powder River Basin (Ahlbrandt and others, 2003). The main difference is that the Entrada is a much more massive sand sea, or erg, with much less source rock potential, and the hydrocarbon accumulations are trapped along the buried topography of the final Entrada dunes that are at the top of the extensive erg system. Key elements that define the Todilto TPS in the San Juan Basin are source rocks of sufficient thermal maturity to generate hydrocarbons, migration pathways that permit the hydrocarbons to move into reservoirs, structural or stratigraphic traps that serve as areas where hydrocarbons accumulate, seals to contain the accumulations, and reservoir rocks to host the accumulations. These key elements are described more fully below.

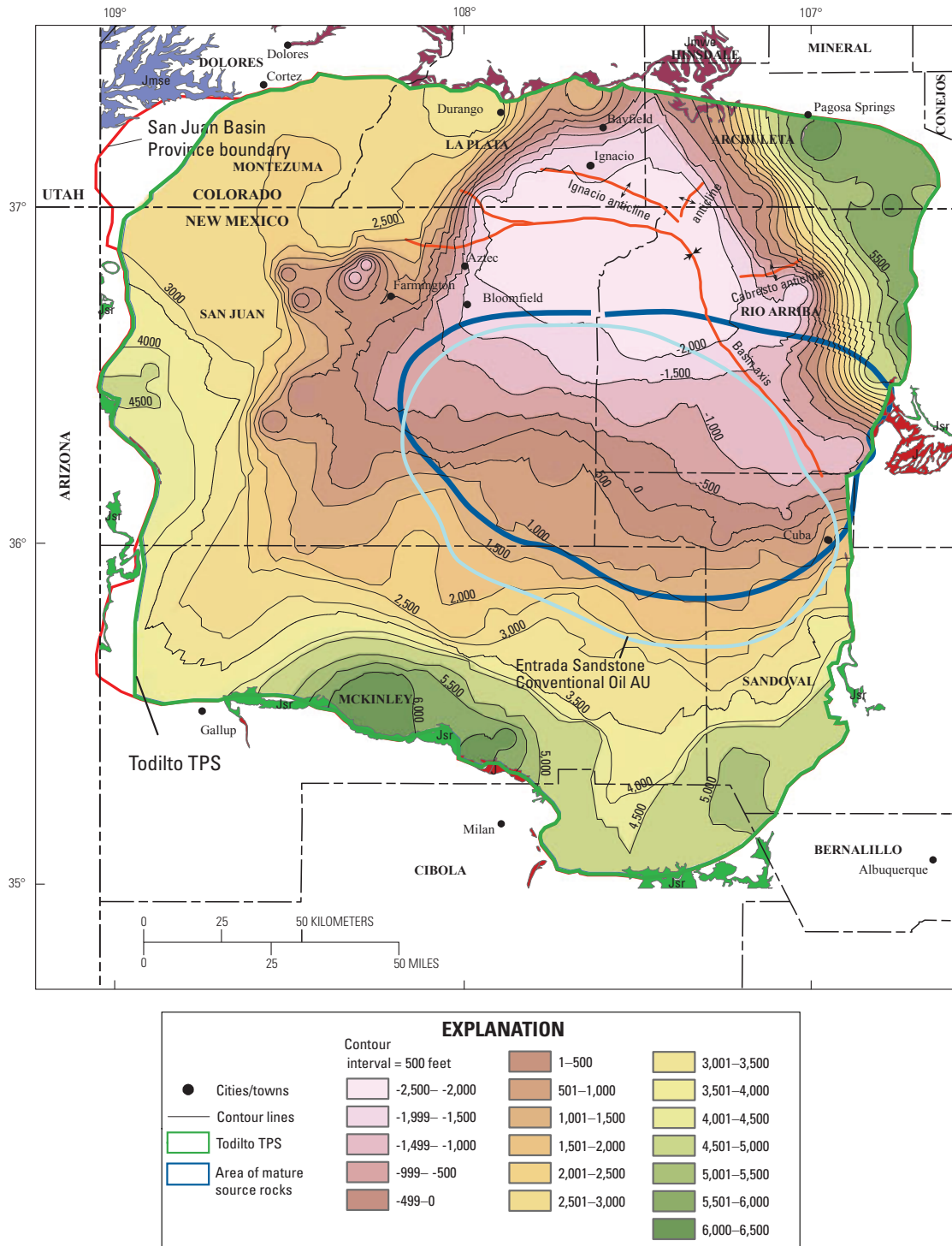
### Structural Configuration

Although there was differential tectonic activity during the Paleozoic and Mesozoic, the principal time of formation of the San Juan Basin occurred during the Laramide orogeny, which began in the Paleocene and extended into the Eocene. Structure contours drawn on top of the Todilto Limestone Member (fig. 5) are similar to those drawn on top of the Dakota Sandstone (Thaden and Zech, 1984; plate 1), and both show the present-day configuration of the basin. The basin deepens from south to north (fig. 5); the deepest part of the basin is asymmetrically centered near the Colorado-New Mexico State line. The dip of the structure contours on top of the Todilto rises along the western and northern margins of the basin, coincident with the Hogback monocline, and along the eastern margin, coincident with the Archuleta arch (figs. 4 and 5). Overburden thickness above the Todilto ranges from 0 ft at the outcrop, along the eastern, southern, and western margins of the basin, to more than 9,500 ft in the deeper part of the basin.

### Hydrocarbon Source Rock

#### Todilto Limestone Member of the Wanakah Formation

The Todilto Limestone Member of the Wanakah Formation comprises a basal limestone facies, which contains interbedded organic-rich shale, and an overlying anhydrite facies, which diagenetically alters to gypsum at or near the surface.



**Figure 5.** Structure contour map, with color shading for depths, drawn on top of the Todilto Limestone Member of the Wanakah Formation (produced from data from IHS Energy Group, 2002); contour interval 500 ft. Geologic map from Green (1992) and Green and Jones (1997). Datum is mean sea level. Pod of mature oil source rock (dark blue line). Also shown is the boundary of the San Juan Basin Province (5022) (red line), Todilto Total Petroleum System (TPS) (dark green line), and Entrada Sandstone Conventional Oil Assessment Unit (AU) (light blue line). See figure 1 for explanations of map symbols.



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Throughout most of its areal extent (fig. 3), the limestone facies is laminated, consisting of alternating layers of calcium carbonate and shaly layers rich in organic matter, mostly sapropel (Anderson and Kirkland, 1960). This facies is commonly less than 20 ft thick throughout the depositional extent of the Todilto. The organic matter in the limestone facies appears to be best preserved in the area of the San Juan Basin where the limestone is overlain by anhydrite (Vincelette and Chittum, 1981, their fig. 3). However, preservation of organic matter could extend beyond the anhydrite. The anhydrite facies contains few organic source beds. Along the western and south-western outcrop of the Todilto, the limestone is light gray, contains algal remains, and appears to have been deposited in more oxygenated depositional environments (Tanner, 1970) where organic matter is less well preserved.

Thickness of the Todilto ranges from less than 10 ft along the western margin to over 100 ft in the eastern part of the TPS (fig. 6). The thickness variation directly reflects the amount of topographic relief on the underlying Entrada dunes because the Todilto fills in the topographic relief on top of the dunes as well as covers the crests of the dunes, thus forming potential source rock and seal for underlying Entrada hydrocarbon accumulations. In the central and eastern part of the TPS where there is variable relief on the dunes, the Todilto is thickest, up to 130 ft. Where relief on the Entrada dunes is the greatest and where Todilto overlies the crest of the dunes, it is thinnest, down to 10 ft or less. The area of overall maximum total thickness of the Todilto (fig. 6) also coincides with the areal extent of the anhydrite beds (fig. 3). In the western part of the TPS, the total thickness of the Todilto is generally less than 20 ft and reflects the absence of the anhydrite facies. Isopach thicknesses of the Todilto are only an approximation of the true thickness because there are only about 900 wells drilled into the Entrada and most of these are in the areas of known oil fields.

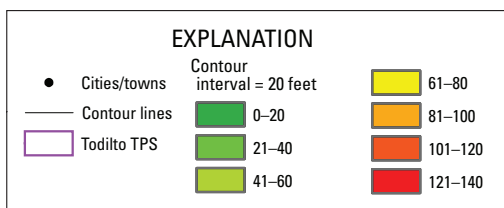
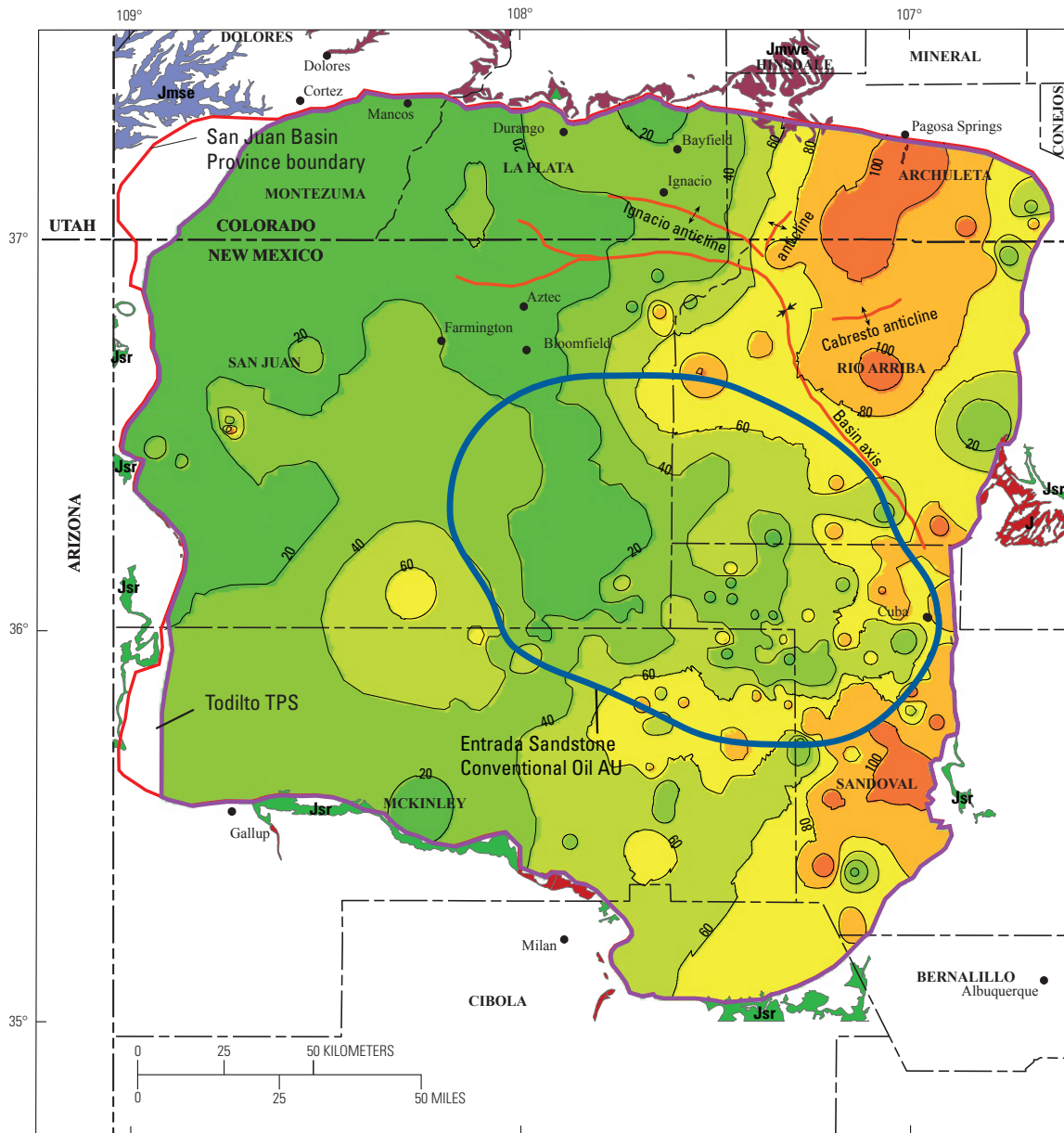
Depths to the top of the Todilto and Entrada are variable, ranging from 120 to more than 10,000 ft ( $n = 417$ ) and from 30 to more than 10,100 ft ( $n = 904$ ), respectively. In the main producing fairway, depths to the top of the producing zone in the Entrada range from 4,600 to 6,000 ft. A structure contour map on top of the Todilto Member shows that the unit is less deeply buried along the western and southern margin of the TPS (fig. 5). If source rocks were at one time present in these areas of the TPS, they may have been oxidized by incursion of post-deposition meteoric groundwater. Indeed, there is evidence from the outcrop along the southern margin of the San Juan Basin that anhydrite once had a greater distribution in the area (Rawson, 1980). Post-depositional groundwater movement has altered the anhydrite to calcium carbonate. Evidence for organic matter once present in the limestone facies along the southern margin of the basin (where the anhydrite has possibly been altered) is inferred from the distribution of uranium deposits—which are associated with isolated organic matter—along the southern margin of the basin at the outcrop or in the near subsurface (Rawson, 1980).

The Todilto Limestone Member can be subdivided sedimentologically into two distinct facies, an outer margin facies (5 to 40 ft thick) and a central basin facies (2 to 120 ft thick) (figs. 1 and 7). The changes in style of deposition and vertical succession of the limestone help to determine the relative position of any location to the original depositional basin geometry and to potential source rocks. Figure 7 shows the interpretation of facies distribution in a schematic cross section through the basin. The outer margin facies can be subdivided into three limestone lithofacies, from base to top:

1. thick, parallel-bedded limestone, where the thickness of individual beds is related to the depth of water in which the calcium carbonate was precipitated;
2. sedimentary boudinage; and
3. massive crossbedded limestone.

Limestones in the thick, parallel-bedded lithofacies are similar in geometry to those considered to represent deposition in “deeper water” (Carrasco-V, 1977; Garrison and Fischer, 1969; Wilson, 1969; Yurewicz, 1977). Overall, this lithofacies consists of couplets of parallel-bedded micritic limestone (2 to 6 in. thick) separated by thin (commonly less than 0.5 in. thick) shaly limestone. The shaly layers are much darker gray than the encasing limestone beds and are probably more organic rich than the thicker limestone beds. The thick, parallel-bedded limestone lithofacies is distributed along the western margin of the central basin facies. It grades laterally landward into and is overlain by the sedimentary boudinage lithofacies (fig. 7). This lithofacies may contain a few potential source beds in the organic-rich shale layers.

The sedimentary boudinage lithofacies is characterized by wavy bedding surfaces, which impart a characteristic sedimentary boudinage or pinch-and-swell appearance (fig. 7). Limestone of this interval is thinner bedded, more micritic, and less sandy than in the overlying massive crossbedded lithofacies. The limestone is darker gray than limestone of the massive crossbedded lithofacies, indicating greater reducing conditions in the depositional environment. Thin silty or sandy, clayey or possibly gypsiferous lenses are commonly intercalated with limestone. The boudinage texture is a result of differential compaction of the limestone lenses into underlying silt, clay, or gypsum lenses while both were still plastic. Similar sedimentary boudinage have been reported from the lower part of the Cambrian and Ordovician Whipple Cave Formation, Nevada (Cook and Taylor, 1977). Wilson (1969, p. 17) and Cook and Taylor (1977, p. 55) suggested that sedimentary boudinage formed in shallow subtidal shelf waters, below wave base but within oxygenated water. Cook and Taylor (1977) also noted that the rocks in the sedimentary boudinage zone of the Whipple Cave Formation were gradational into overlying rocks characteristic of shoaling depositional environments and differed from rocks deposited in deeper water. Potential hydrocarbon source beds probably do not occur in this lithofacies.



**Figure 6.** Isopach map of Todilto Limestone Member of the Wanakah Formation (produced from data from IHS Energy Group, 2002); contour interval 20 ft. Geologic map from Green (1992) and Green and Jones (1997). Also shown is the boundary of the San Juan Basin Province (5022) (red line), Todilto Total Petroleum System (TPS) (magenta line), and Entrada Sandstone Conventional Oil Assessment Unit (AU) (blue line). See figure 1 for explanation of geologic symbols.

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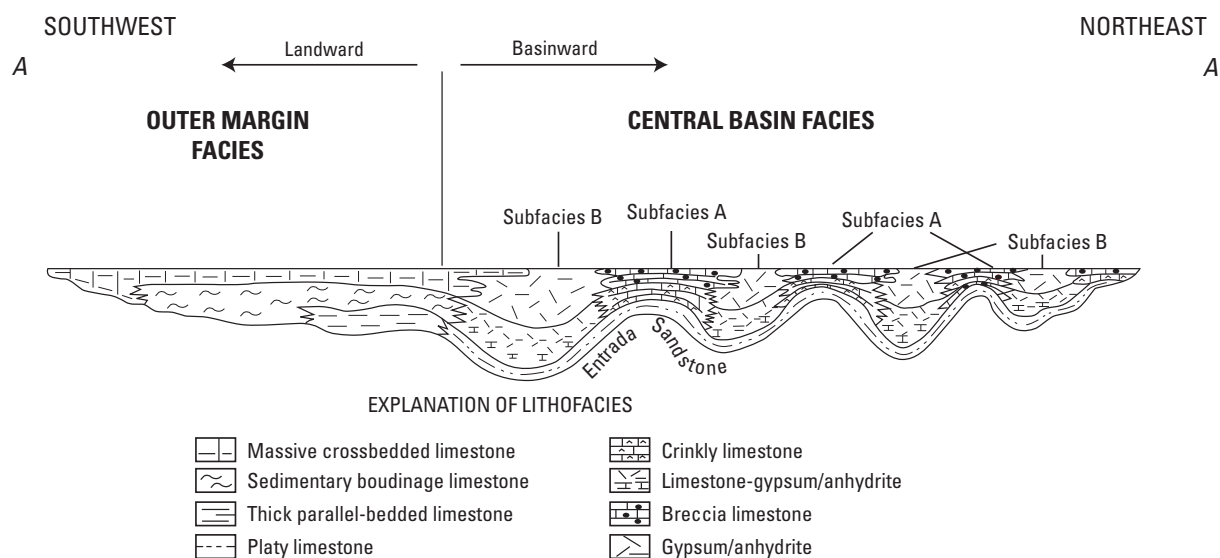
The sedimentary boudinage lithofacies is overlain by and grades laterally landward into light-gray to light-purple-brown thick-bedded limestone of the massive crossbedded lithofacies (fig. 7). This limestone is commonly crossbedded and sandy, and locally contains either algal stromatolites or chert pebbles at the top. Crossbedding in the limestone indicates deposition in shallow water depths affected by water currents. The sandier component of the limestone indicates close proximity to the coast where marginal sand could be reworked, during storms or higher water level, into the precipitating limestone. The light-gray color of the rocks and presence of algal stromatolites indicate that the water was well oxygenated, and thus these rocks are poor candidates for preserving high total organic carbon (TOC). These limestones locally contain spherical to irregular masses of sparry calcite that possibly represent replacement of evaporite minerals. Potential hydrocarbon source beds are absent in this lithofacies due to shallow water depositional conditions and presence of oxygenated environments.

The central basin facies occupied the eastern part of the depositional basin, extending from near Gunnison, Colo. to east of Santa Rosa, N. Mex. (fig. 3). It can be divided into two subfacies, A and B, both of which are found throughout this part of the depositional basin and reflect different depositional conditions with respect to buried Entrada Sandstone dune topography (fig. 7). Subfacies A contains only limestone and is confined to the crests of the Entrada dunes. Subfacies B contains limestone overlain by gypsum (anhydrite in the subsurface) and is confined to the flanks and areas where a relict Entrada dune is least thick (fig. 7). Subfacies A can be subdivided into three distinct lithofacies (fig. 7), in ascending order:

1. platy limestone,
2. crinkly limestone, and
3. breccia limestone.

Thin parallel-bedded limestone consisting of thin laminated (only a few millimeters thick) dark-gray, fetid, micrite makes up the platy limestone lithofacies. The limestone has an appearance of papery-thin shale and consists of alternating laminae of micrite and organic matter (sapropel). The best hydrocarbon source beds are found in this lithofacies. At a few locations, thin sandstone beds are intercalated with the basal limestone. The sandstone has limited lateral extent at the outcrop. This platy lithofacies is found in both subfacies A and B (fig. 7) and may serve, in part, as a seal to upward and lateral hydrocarbon migration.

Overlying the basal platy limestone lithofacies is the slightly thicker crinkly lithofacies (fig. 7). This limestone is medium to dark gray and consists of alternating thin laminae of micritic limestone and organic matter that commonly contains clastic grains (Anderson and Kirkland, 1960). The micritic laminae are thicker (up to 10 mm thick) than in the underlying platy limestone lithofacies. Some laminae are light gray or white and represent calcite replacement of bedded gypsum. The clastic-grain laminae are commonly only one grain thick and consist of quartz and lesser amounts of feldspar, clays, and iron minerals. The rhythmic vertical succession of micrite laminae, organic laminae, and clastic laminae in the platy and the crinkly lithofacies imparts the varved appearance so often referred to in the literature. The varved appearance is confined to the central basin facies; individual laminae are believed to be seasonally deposited (Anderson and



**Figure 7.** Schematic southwest–northeast cross section (A–A') through the Todilto Limestone Member of the Wanakah Formation in the San Juan Basin, showing interpreted facies distribution between outer margin and central basin. (Approximate location on figure 1.) In the central basin facies, subfacies A, vertical lithofacies distribution over the crest of an Entrada dune; subfacies B, vertical lithofacies distribution between the crests of Entrada dunes.



Kirkland, 1960). Potential hydrocarbon source beds (aggregate up to about 5 ft) are also found in this lithofacies. This lithofacies (5 to 10 ft thick) may also serve, in part, as a seal to upward hydrocarbon migration.

The upper breccia-limestone lithofacies comprises thick, laminated to “brecciated” limestone (fig. 7). This lithofacies (10–30 ft thick) consists dominantly of microcrystalline calcite; however, more sparry calcite is present than in the crinkly lithofacies. This lithofacies is thicker than either of the two underlying lithofacies and commonly has a mound-like shape. The breccia-limestone lithofacies may occur as a single mass or as several laterally continuous masses separated by a bounding surface that represents a paraconformity. The lithofacies is made up of three distinct types of limestone. The first type of limestone consists of sparry calcite that contains fragments of dense micritic limestone similar to that observed in the lower two lithofacies. The sparry calcite is a secondary replacement of authigenic gypsum, and the micrite fragments are not true breccia clasts (Ridgley, 1986). The brecciated fabric is diagenetic and resulted from interstitial growth of gypsum, which ultimately consumed parts of the micrite, leaving remnant patches of micrite that look like breccia clasts. A second type of limestone is similar to the first except that clasts of limestone, similar to that in the lower two lithofacies, are actually clast-supported or are surrounded by calcite. Calcite in this type of breccia is both a true cement and a replacement of authigenic gypsum. This type of limestone may actually represent a true solution breccia. The third type of limestone is wavy-laminated to weakly crossbedded limestone. The limestone is micritic with thin laminae of clastic grains, one grain thick, and is similar to the texture observed in the platy and crinkly subfacies. The clastic grains are quartz, clay minerals, and feldspar. Patches of sparry calcite occur in the micrite. This calcite either replaced individual anhydrite or gypsum grains or clusters of these minerals, or filled in the voids when the evaporite minerals dissolved (Ridgley, 1986). Texturally, the three types of limestone of the breccia-limestone lithofacies indicate the former presence of gypsum. This lithofacies does not contain potential hydrocarbon source beds, nor is it a potential reservoir. However, because of their well-cemented nature, rocks in this lithofacies form a good seal to upward hydrocarbon migration.

Subfacies B can be subdivided into three lithofacies that are lateral equivalents of the three lithofacies of subfacies A (fig. 7). These lithofacies, from base to top, are

1. platy limestone (<5 ft thick),
2. limestone-gypsum/anhydrite (5–20 ft thick), and
3. gypsum/anhydrite (20–100 ft thick).

The platy limestone lithofacies, previously described, is positionally continuous with the platy limestone lithofacies of limestone subfacies A. Source beds with the best hydrocarbon potential are found in this lithofacies. This lithofacies may also serve as a partial seal to vertical and lateral migration of hydrocarbons.

The platy limestone lithofacies is overlain by the limestone-gypsum/anhydrite lithofacies (fig. 7) consisting of thinly laminated limestone that is interbedded with bedded gypsum. The limestone is laminated like that of the underlying platy limestone lithofacies. Generally, within a few feet of the base of this interval, gypsum laminae occur. Initially the gypsum laminae may occur several inches apart. Vertically, more gypsum laminae occur, and they become closer-spaced until proportionally they dominate over limestone laminae. Source bed potential of this lithofacies is minimal because of the amount of gypsum interbeds; the best petroleum source beds are near the base of the lithofacies where the thin laminated limestone beds are most prominent. The upper part of this lithofacies serves as a seal to lateral hydrocarbon migration, focusing the hydrocarbons into the upper part of the Entrada dunes.

Thick beds of gypsum/anhydrite compose the gypsum/anhydrite lithofacies (fig. 7). The gypsum also has a coalescing nodular texture, commonly called “chicken wire,” due to the concentration of insoluble residue along the margins of the gypsum nodules as the nodules grew. The nodular aspect of the gypsum represents diagenetic alteration of originally bedded gypsum. The nodules are not formed by coalescence of large gypsum crystals, such as those described by Warren and Kendall (1985) from coastal salinas of Australia. At many locations the upper massive gypsum also appears to be interbedded with thin discontinuous limestone laminae, especially near the top. This lithofacies does not contain any potential hydrocarbon source beds or reservoirs but does form a seal to lateral migration of hydrocarbons into and out of the upper part of the Entrada dunes.

## Oil Geochemistry

There are eight oil fields with Entrada reservoirs:

1. Arena Blanca,
2. Eagle Mesa,
3. Leggs,
4. Media,
5. Media Southwest,
6. Ojo Encino,
7. Papers Wash, and
8. Snakes Eyes (fig. 1),

and several isolated undesignated fields consisting of single wells (see field descriptions in Fassett, 1978a,b, 1983). The Todilto Limestone Member is considered to be the source of oil in the Entrada Sandstone reservoirs (Vincelette and Chittum, 1981). This determination was based on a comparison of oil samples from the Eagle Mesa, Media, and Papers Wash Entrada fields with known Cretaceous and Pennsylvanian oils from the San Juan Basin (Ross, 1980; Vincelette and Chittum, 1981). The Entrada oil sample had a higher boiling point (205°F, 96°C), higher pour point (50° to 90°F, 10° to 32°C), and higher paraffin content compared to Cretaceous or Pennsylvanian oils (Ross, 1980; Vincelette and Chittum,

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1981). Entrada oil is characterized by a low pristane/phytane ratio (0.86) and even-carbon predominance index of 0.91, suggesting generation from a carbonate source. API gravities are similar for all fields, ranging from 29.3° at Snake Eyes to 35.5° at Ojo Encino (table 1). These API gravities, which cover a narrow range, are among the heaviest in the basin. Sulfur content is low, ranging from 0.3 to 0.6 percent (Richard Vincelette, written commun., 2003; NRG, 2001).

There is little publicly available organic geochemical data for the Todilto. The range of total organic carbon is unknown; however, one sample from the basal part of the Todilto from the area of the Nacimiento Mountains on the east side of the basin yielded a TOC of 1.24 (Richard Vincelette, written commun., 2003). This sample had a hydrogen index (HI) of 717, which is indicative of type-I organic carbon. Rock-Eval analysis of the sample provided the following information:  $T_{max} = 424^{\circ}\text{C}$ ,  $S_1 = 0.32$ ,  $S_2 = 8.89$ , and  $PI = 0.02$ , where  $S_1$  = integral of first peak (existing hydrocarbons volatilized at 250°C for 5 minutes) (in milligrams/gram rock);  $S_2$  = integral of second peak (hydrocarbons produced by pyrolysis of solid organic matter (kerogen) between 250°C and 550°C (in milligrams/gram rock); and PI, production index ( $S_1/(S_1+S_2)$ ). Although the data indicate that the Todilto in this area is immature, the  $S_1$  and  $S_2$  values indicate sufficient hydrocarbon generative capability under the right thermal maturation conditions.

The most comprehensive published data on the organic geochemistry of the Todilto is on 28 samples from drill cuttings (Vincelette and Chittum, 1981). Although no Rock-Eval analyses were performed on the samples, the samples were

analyzed for kerogen color (for thermal maturation) and subjected to pyrolysis to determine the potential hydrocarbon yield. The high HI value of the single outcrop sample may be indicative of algal organic matter. Unpublished laboratory data for the samples used in the study by Vincelette and Chittum (1981) also support a partly algal source for some of the Todilto source rock samples (Richard Vincelette, written commun., 2003). Residue of some samples had a distinct cellular-type pattern, which might be indicative of colonial-type algae, such as *Botryococcus*. Samples T-2, T-7, T-11, T-13, T-17, and T-23a (see Vincelette and Chittum, 1981, their fig. 9 for locations) were reported to contain some algal-like matter, thereby indicating the presence in the Todilto of type-I organic matter. These samples generally lie outside the zone of maximum oil generation as determined by the color of the kerogen. However, all the samples lie within the area of preserved anhydrite facies, as discussed above, and thus some algal matter must have been present throughout the broader Todilto depositional system and not just confined to the shallow water margins (Tanner, 1970). The presence of algal matter may support a lacustrine or partly lacustrine origin for the Todilto.

Although little Rock-Eval data is available, pyrolysis yields were calculated for 5 samples of the Todilto in New Mexico (Vincelette and Chittum, 1981, their fig. 9). Within the area defined by the central basin facies, pyrolysis yields ranged from 0.6 to 2.4 gal/ton; these values may not reflect potential yield, because the samples are from the part of the basin where the Todilto is thermally mature (Vincelette and Chittum, 1981).

**Table 1.** Characteristics of Entrada Sandstone reservoir rocks, including oil API gravities, compiled from Vincelette and Chittum (1981) and from field descriptions in Fassett (1978a,b, 1983).

[N/A, not available].

Field	Avg. depth (ft)	Porosity (%)	Permeability (millidarcies)	Water saturation (%)	Oil API gravity (degrees)	Net pay (ft)	Type of drive
Eagle Mesa	5,460	25	430	45	33	23	Water
Leggs	5,400	23.3	N/A	55	31.5	16	N/A
Media	5,250	23	290	58.4	33.5	25	N/A
Media, southwest	5,310	24	360	58.4	33.5	18	Water
Ojo Encino	5,890	22	180	50	35.5	20	Fluid expansion, water drive
Papers Wash	5,170	25	290	53	32.5	29	Fluid expansion, water drive
Snake Eyes	5,600	24	665	50	29.3	23	Fluid expansion, water drive

## Source Rock Maturation

The time of thermal maturity of the source-bed facies in the Todilto can be estimated from three burial history curves (Bond, 1984; Law, 1992) (figs. 1, 8A, 8B, and 8C). These curves, taken from the literature, only cover the Cretaceous and Tertiary part of the stratigraphic column. Thus, the time of oil generation in the Todilto can only be extrapolated from these figures as no detailed modeling has been done for this unit. The burial history curves indicate distinct thermal maturation histories for different parts of the basin. Formation of the basin may have begun as late as 90 million years ago during the Sevier orogeny and continued until about 13 million years ago. Only the northernmost burial profile from the Natomas North America Federal-Texaco 1-11 well shows reconstructed temperature profiles. It is inferred that temperature profiles for the composite burial history for the Bakke Southern Ute 2 and Sohio Southern Ute 15-16 wells should be similar to the profiles in the Natomas well because the well also penetrates the deep part of the San Juan Basin. On the other hand, it is inferred that temperature profiles at the Superior Sealy 1-7 well in the southern part of the central San Juan Basin would show lower maximum burial temperature because this well penetrates strata that were never as deeply buried as strata in the Sohio or Natomas wells.

The southernmost burial history curve for the Superior Sealy 1-7 well in Rio Arriba County, N. Mex. (Law, 1992) (figs. 1 and 8A) is located in the northern part of the AU and indicates that this area of the central basin was never as deeply buried as the northern part of the central basin (figs. 4 and 5). Maximum burial for this curve was shown to span a time from 40 to about 12 million years—before uplift and erosion. In contrast, the composite burial curve from the Bakke Southern Ute 2 and Sohio Southern Ute 15-16 wells in the northern part of the central basin in La Plata County, Colo. (Law, 1992) (figs. 1 and 8B), documents a younger, present-day configuration. The northern part of the central basin, in which this northern curve is located, was an area of greater subsidence and accumulation of a thicker section of overburden as represented by Tertiary rocks, when compared to the area of the southern part of the central basin. Any liquid hydrocarbons generated earlier would have cracked to gas. Using the Dakota Sandstone thermal history profile (fig. 8C), the cracking would have started in the late Eocene and continued into the Oligocene.

Maximum hydrocarbon generation for Cretaceous source rocks probably occurred during the mid- to late-Eocene based on the burial reconstructions (fig. 8C) (Bond, 1984; Law, 1992). However, onset of oil generation may have begun as early as mid-Paleocene for source rocks in the Cretaceous Dakota Sandstone–Greenhorn Limestone Member of Mancos Shale interval, which is used here to aid in estimating Todilto maturation throughout the basin (fig. 8C). Oil generation may have continued until the middle Eocene, and in the deeper part of the basin, wet gas and condensate may have been generated until middle Miocene (fig. 8C). The thickness from

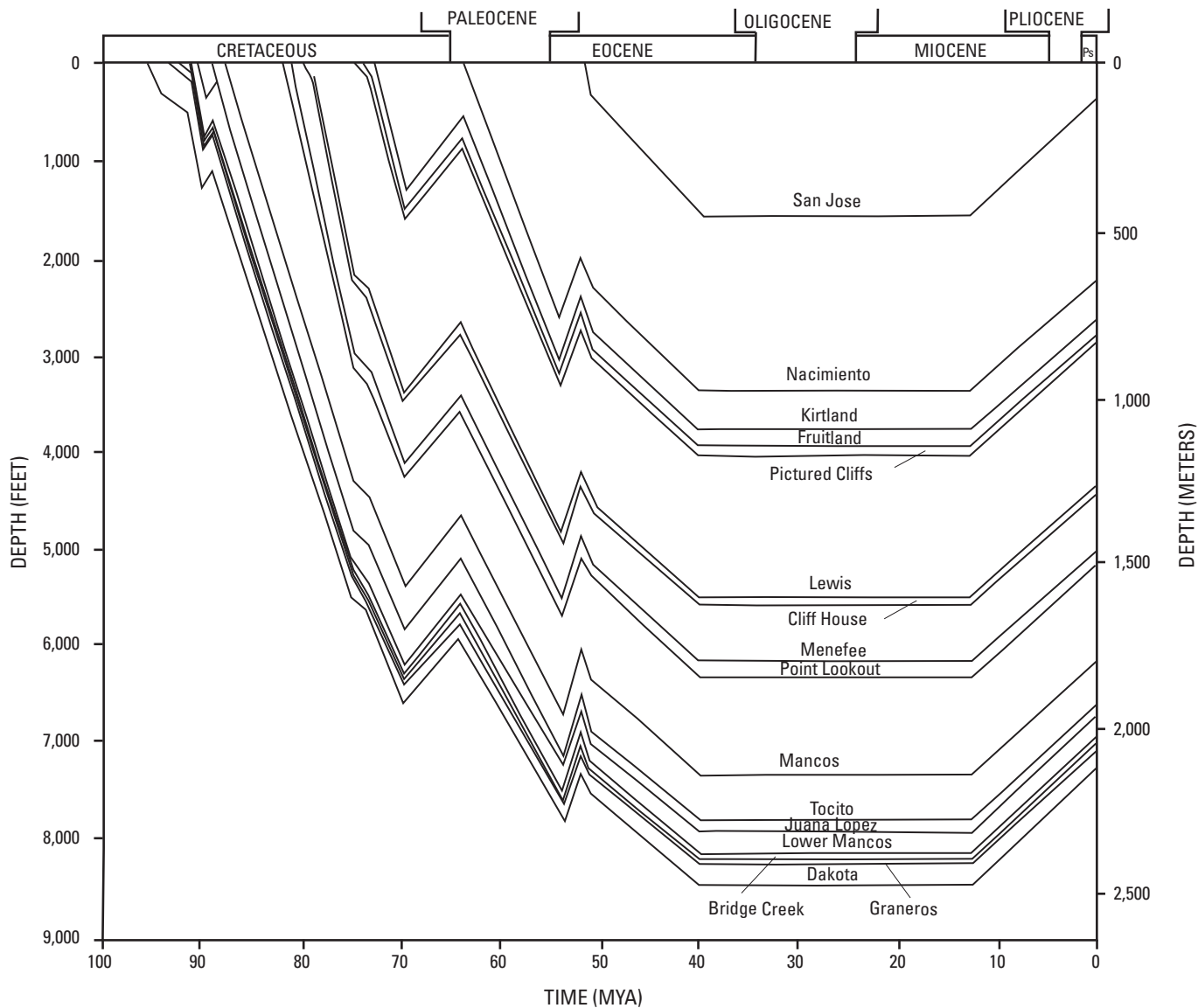
the base of the Dakota Sandstone to the top of the Todilto averages about 1,000 ft. This thickness alone would probably not significantly change the overall maturation history of the Todilto source beds, and thus, the maturation history of these Middle Jurassic source beds probably approximates that of the lowest part of the Cretaceous section. Although the onset of hydrocarbon generation may have begun in the late Paleocene, the critical moment for maximum liquid hydrocarbon production was in the Eocene. The critical moment (Magoon and Dow, 1994) that defines the time of maximum hydrocarbon generation, migration, and accumulation will differ throughout the basin. Generation of liquid hydrocarbons ceased in the Pliocene as the basin was uplifted and cooled. Today, bottom-hole temperatures in the producing fields are generally below 60°C.

In their study of source-rock thermal maturity of the Todilto, Vincelette and Chittum (1981) examined the color of the kerogen in 28 samples from outcrop and core. Their results showed the Todilto to be thermally immature along the west, southwest, and extreme northeast parts of the depositional system and to increase in thermal maturity in the central and northern part of the San Juan Basin (Vincelette and Chittum, 1981, their fig. 9). They concluded that potential source beds in the Todilto would be mature enough to produce oil in the central part of the TPS, between the +1,000- and –2,000-ft contour intervals (fig. 5). South and west of this area, the source beds were immature, judged from a few samples. North of the –2,000-ft contour, in the deeper part of the basin, the source beds were considered to be overmature and beyond oil generation. The organic matter from several samples from this part of the basin appeared to be carbonized (overheated), and thus, the expected hydrocarbons would be gas and condensate. The apparent area of maximum oil generation, based on limited data, would be found between 5,000- and 8,000-ft depth, which corresponds to about +1,500- to –2,000-ft structural elevation (Vincelette and Chittum, 1981).

## Hydrocarbon Migration Summary

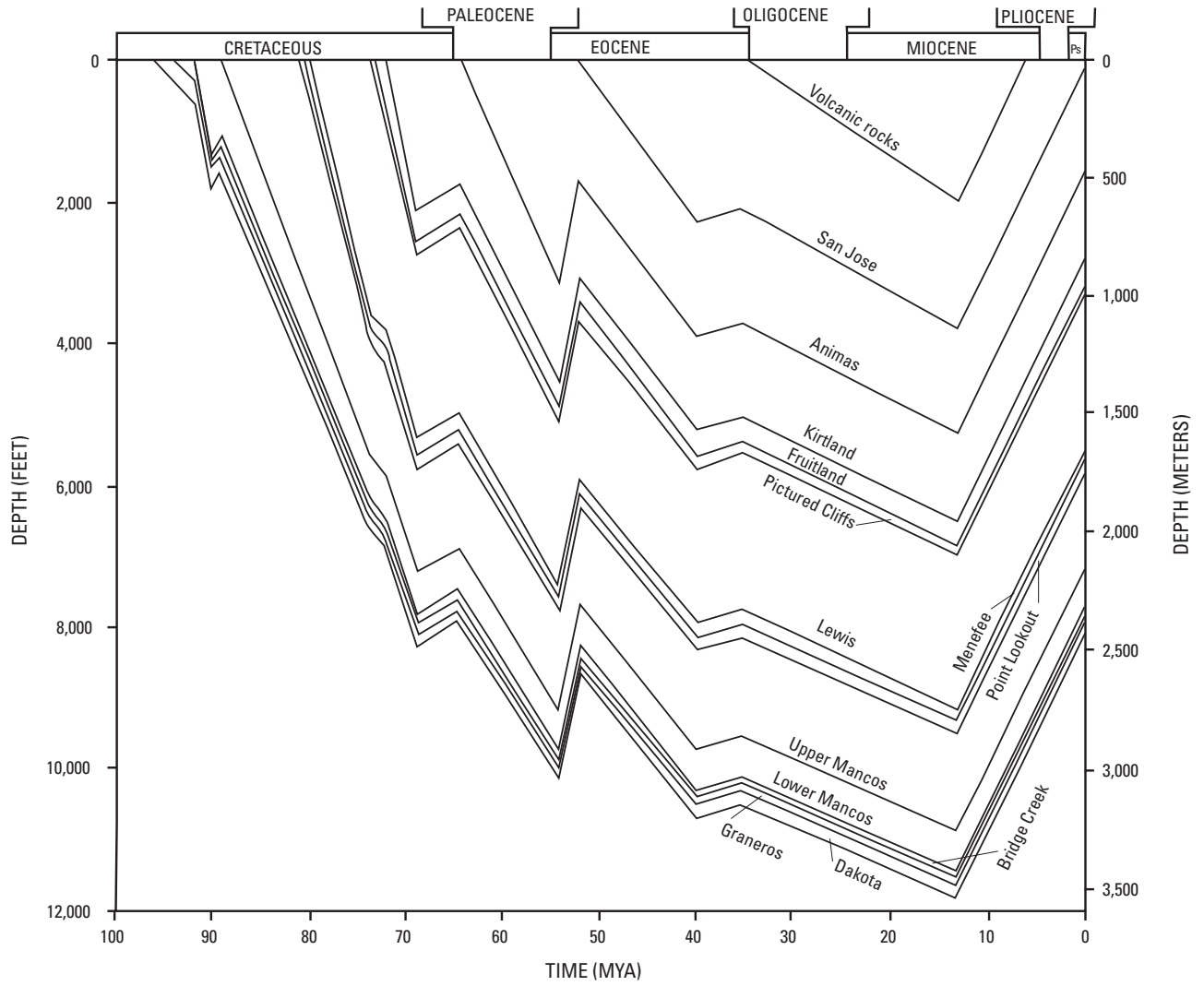
The period of migration and accumulation of oil in the Entrada may have extended from the Eocene through the end of the Miocene. Basin subsidence continued well into the Miocene, and it is this later subsidence that might have aided migration of oil from source to trap. During this period, strata in the southern part of the San Juan Basin were further tilted to the northeast. A slight break in the regional tilt occurs between the Chaco slope to the south and the central basin to the north (fig. 4). All the oil fields are found just north of the Chaco slope in the southern part of the central basin. The oil fields, although isolated, are aligned northwest–southeast subparallel to the regional structural grain and in proximity to the intersection of basement blocks, which have a predominant northwest to southeast orientation (fig. 4). The blocks probably did not control migration of the oil, but rather may have controlled syndepositional thickness and preservation of thick Entrada Sandstone. The migration distance of oil from Todilto

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**Figure 8A.** Burial history curve for the Superior Sealy 1-7 well in the southern part of the central San Juan Basin (modified from Law, 1992). MYA, million years ago; Ps, Pleistocene.

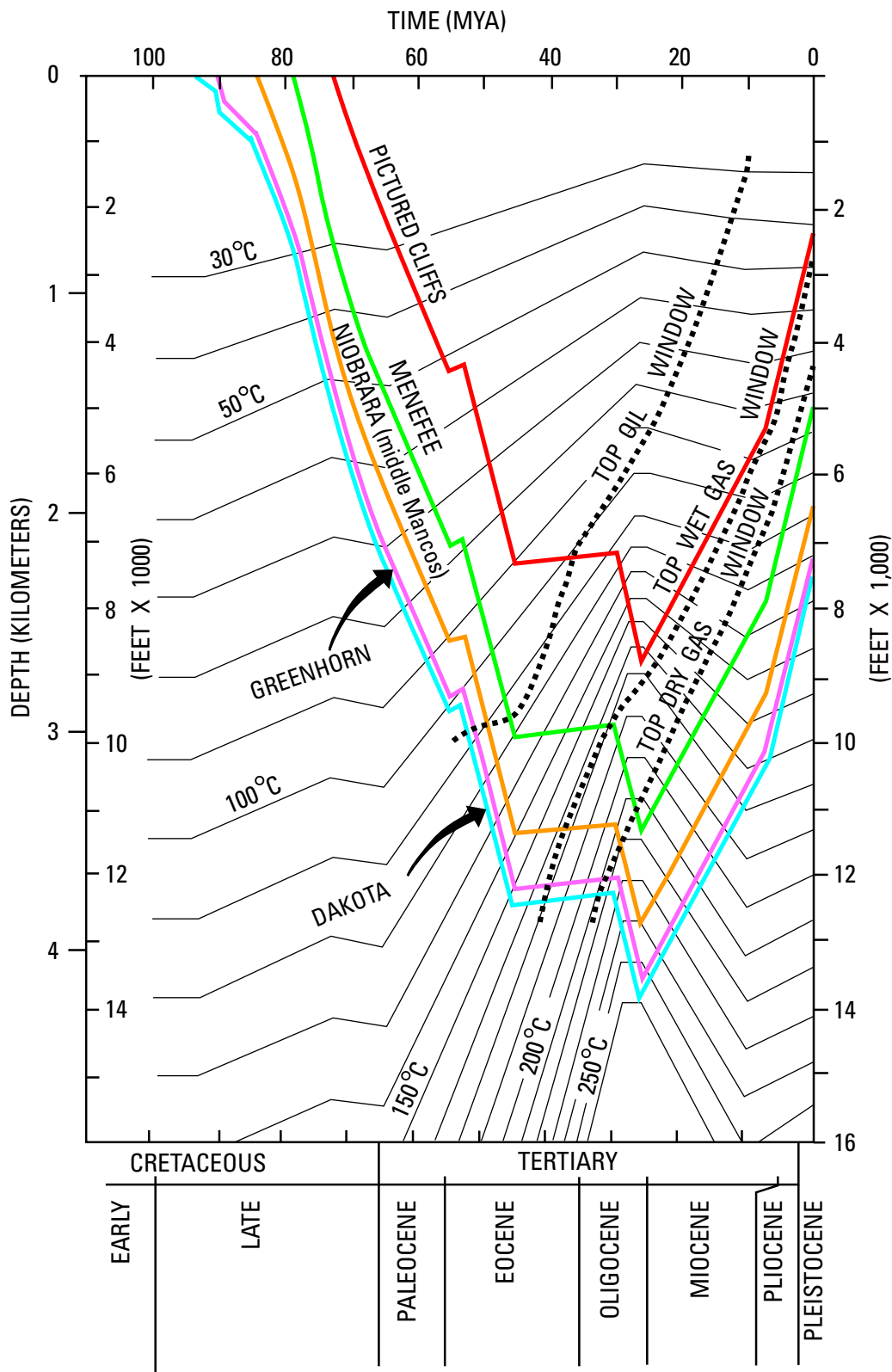
Todilto Total Petroleum System 15



**Figure 8B.** Composite burial history curve for the Bakke Southern Ute 2 and Sohio Southern Ute 15-16 wells in the northern part of the central San Juan Basin (modified from Law, 1992). MYA, million years ago; Ps, Pleistocene.



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**Figure 8C.** Burial history curve for the Natomas North America (N.A.) Federal-Texaco 1-11 well in the northern part of the San Juan Basin (modified from Bond, 1984). Geologic time scale is from the Geological Society of America web page <http://www.geosociety.org/science/timescale/timescl.htm>, last accessed 2/1/2008. MYA, million years ago.

source beds into underlying Entrada Sandstone reservoirs was short (less than a few miles), probably within the dimensions of a single dune crest. However, early longer distance migration from the central basin cannot be ruled out. A stratigraphic cross section through the Papers Wash field (fig. 9A) shows the position of the oil. The oil in this field, as well as in others, is confined to the upper part of the dune where the Todilto Limestone Member (both limestone and anhydrite facies) is thinnest and where there is some stratigraphic closure. The oil-water contact (below the oil shown in fig. 9A) in this field appears to occur where the flanks of the dune begin to flatten and dune height and stratigraphic closure is diminished. The position of the oil-water contact may also have been influenced by later hydrodynamic factors and faulting.

The influence of hydrodynamics was documented in the Media and Media Southwest fields (Vincelette and Chittum, 1981). In those fields, oil mostly fills the southernmost parts of the stratigraphic closure. Other wells evaluated in the oil-producing area show evidence of flushing of the original oil accumulation by later hydrodynamic forces, indicating that the oil has remigrated to some other site or has otherwise been lost to the system (Vincelette and Chittum, 1981). Flushing of traps probably occurred after the northeast regional tilt was developed and erosion of rocks along the southern and eastern margin of the basin allowed intrusion of younger meteoric water.

Because the dune topography varies dramatically throughout the central part of the TPS, most of the oil would have been generated fairly locally, as it might have been difficult for the oil to migrate regionally through the laterally adjacent thick anhydrite facies that accumulated in the off-flank position of the dune. The various Entrada fields do not appear to be linked along any regional migration pathway that might suggest movement of hydrocarbons from the deeper part of the central basin along regional faults or through the lower sandstone of the Entrada. All the oil fields appear to occur where the Todilto is sufficiently mature to produce oil within the Entrada Sandstone Conventional Oil AU (fig. 1). These observations suggest that potential Entrada reservoirs are under-filled.

## Hydrocarbon Reservoir Rocks

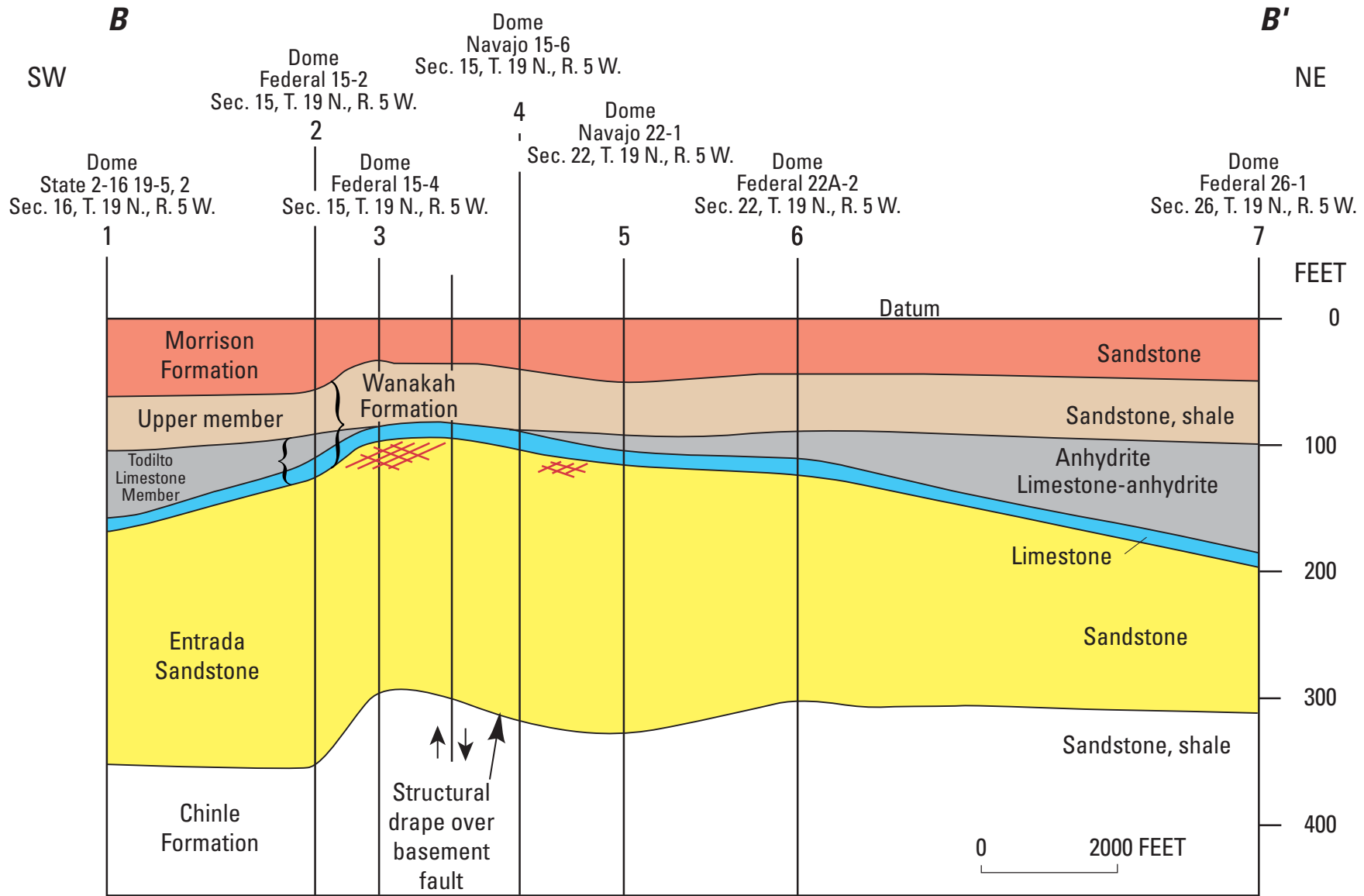
Potential reservoir rocks are confined to the eolian sandstone facies in the Entrada Sandstone. The Entrada Sandstone consists primarily of sandstone deposited in dune and interdune eolian environments. The upper part of the Entrada (generally less than 100 ft thick) shows evidence of having been deposited or reworked in subaqueous conditions related to the incursion of marine waters in which the overlying Todilto Limestone Member was deposited (Reese, 1984; Fryberger, 1986). This water-laid facies is prevalent along the western and southwestern margin of the Todilto depositional system, but also has been reported from outcrops in the Chama Basin to the east (for the location of the Chama Basin, see chap. 2, fig. 1, this CD-ROM) (Tanner, 1970). In the southern part of the basin, the Entrada contains thin beds of reddish-brown siltstone deposited in interdune and inland sabkha environments (Green and

Pierson, 1977). Thin coarse-grained sandstone units have also been reported in the Entrada from the southern part of the San Juan Basin and were probably deposited in ephemeral wadis (Green, 1974). Inland sabkha and wadi deposits are absent to the north and are not found along the eastern margin of the San Juan Basin nor in the Chama Basin; they appear to be confined to the margins of the Todilto depositional system.

The thickness of the Entrada in the San Juan Basin ranges from 60 to 330 ft (Green and Pierson, 1977). The variable thickness reflects, in part, the relict dune topography. Sandstone beds of Entrada generally exhibit three styles of crossbedding that have been observed along the east side of the basin and in the neighboring Chama Basin (Ridgley, 1977; Reese, 1984). In these areas, the basal Entrada consists of large-scale, sweeping wedge and trough cross stratification characteristic of eolian deposition. Parallel laminated beds in the lower part of the Entrada probably represent interdune deposits (Reese, 1984). Sandstones in the interdune deposits are commonly finer grained than in the dune sandstones and where present may be locally interbedded with siltstones and mudstones. The middle part of the Entrada consists of mostly medium-angle planar crossbeds and wavy-laminated sandstone. The wavy laminations were produced by adhesion ripples (Ridgley, 1977; Reese, 1984). The upper part of the Entrada consists of two different styles of deposition (Ridgley, 1977; Reese, 1984). The base of the upper part contains low- to high-angle eolian crossbeds. These beds are overlain by massive, structureless, or parallel laminated beds, in which the lack of well-defined sedimentary structures suggests modification by marine incursion that was associated with early stages of the overlying Todilto transgression. Most of the oil is found in the upper and middle parts of the Entrada.

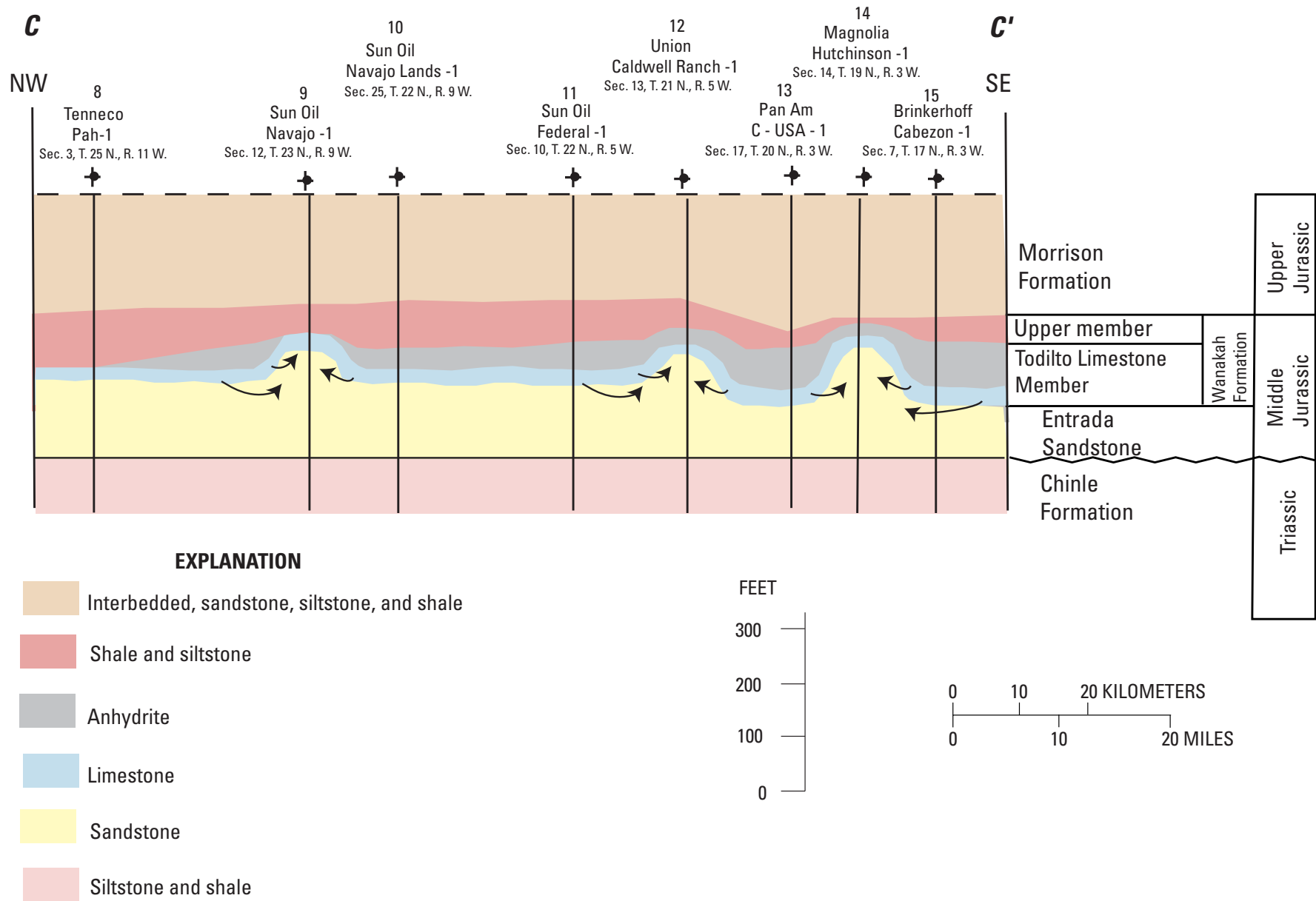
The relation of Entrada Sandstone reservoirs to overlying source and seal rocks of the Todilto Limestone Member is shown in a regional cross section (fig. 9B) and a cross section through the Papers Wash oil field (fig. 9A). Seismic studies of the Entrada, which is the most effective means of delineating the dune topography (Vincelette and Chittum, 1981; Nestor and Endsley, 1992; Massé and Ray, 1995), are commonly employed in order to delineate potential traps. However, published seismic studies are few. Seismic studies on the east side of the basin indicate that dune crests form ridges that are oriented north-northeast; ridge length may be as long as 15 mi and ridge width may vary from 0.5 to 2 mi (Vincelette and Chittum, 1981). South of these elongate ridges are isolated pods of thicker Entrada, possibly indicating a different dune type or sand sea, or other factors that influenced preservation of dune topography. All the oil fields are found in these thick isolated sand buildups (Vincelette and Chittum, 1981, their fig. 16).

Where the Entrada has been examined at the outcrop, the uppermost sandstones (oil reservoir beds) are fine to medium grained and moderately to well sorted (Ridgley, 1977; Reese, 1984). Quartz is the principal sandstone component, although rock fragments and clays are also present. Quartz grains are well rounded to subangular. Locally, the sandstone beds have been described as silty (Reese, 1984). Porosity in the Entrada changes regionally. In the northern part of the San Juan Basin,



**Figure 9A.** Cross section B-B' extending from southwest to northeast across the Papers Wash Entrada oil field (modified from Vincelette and Chittum, 1981), showing relation of lithofacies of the Todilto Limestone Member of Wanakah Formation to relief on top of Entrada Sandstone. Datum, top of laterally continuous sandstone in the lower part of the Morrison Formation. Hatched (red), area of oil accumulation. Location of cross section shown on figure 1.





**Figure 9B.** Regional cross section C-C' extending from northwest to southeast through a part of the Todilto TPS, San Juan Basin (modified from Vincelette and Chittum, 1981). Datum, top of Chinle Formation. Arrows show direction of oil migration from Todilto Limestone Member of Wanakah Formation source beds into the Entrada Sandstone reservoirs. Location of cross section shown on enlargement in figure 1.

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below about 9,000 ft in the subsurface, or at about –2,000-ft subsea, the Entrada has been described as extremely tight due to compaction and quartz cementation. On the east side of the basin, some of the pore-filling cements, including quartz, may have formed during migration of fluids during emplacement of Tertiary intrusions (Vincelette and Chittum, 1981). The Entrada in this part of the basin is often used as a disposal interval for waters produced from coal-bed methane production in the Cretaceous Fruitland Formation.

In the area where most of the oil has been found, the Entrada has extremely good porosities, which average about 23 percent, and permeabilities, which average about 300 millidarcies (md). The high permeabilities have allowed introduction of younger water into the Entrada. The age of the post-depositional water is not constrained, but most likely is late Miocene to Holocene, the time period when extensive erosion of rock overlying the Entrada resulted in exposure of the formation along the eastern, southern, and western margins of the San Juan Basin. Recharge waters entering these outcrops may have been responsible for removal or flushing of oil from some potential reservoirs (Vincelette and Chittum, 1981). Table 1 shows characteristics of Entrada reservoir rocks and oil API gravities.

### Hydrocarbon Traps and Seals

There are four principal types of traps in the Entrada Sandstone reservoirs:

1. stratigraphic traps related to dune topography with closure of at least 20 ft;
2. structural traps that were influenced by syndepositional movement on basement faults that controlled the geometry, thickness, and possible orientation of individual dunes;
3. northeast regional dip of Todilto–Entrada rocks that tends to limit the area of closure for oil accumulation to the updip southern portions of dune ridges and affects subsequent hydrodynamic repositioning of hydrocarbons; and
4. local and regional porosity changes that help to preserve oil locally or delineate favorable areas for oil accumulation (Vincelette and Chittum, 1981; Nester and Endsley, 1992).

The first two types of traps formed early in the history of deposition of the Entrada. All of the producing Entrada fields are examples of trap type 1 above. Papers Wash field is an example of a combination of types 1 and 2 traps, where preserved dune topography combined with syndepositional structural movement on a basement fault is important in defining the limits of the field boundary. Traps of the third type, controlled by the regional tilt of the strata, began forming in latest Cretaceous time and were enhanced during formation of the basin in Paleocene through Miocene time. The regional dip is estimated at about 1°. Entrada fields influenced by this type of trap include Eagle Mesa and Media fields. The fourth type

of trap formed continuously, from the time of deposition until present day, and reflects the degree of diagenesis and lateral facies changes in the Entrada. Low porosity and permeability zones have been documented for several wells, such as those in the Papers Wash field. These zones tend to inhibit water production and, where oil is present, enhance hydrocarbon recovery (Vincelette and Chittum, 1981).

Thin basal limestone and thick anhydrite beds in the Todilto provide both lateral and vertical seals, preventing migration of oil from underlying Entrada Sandstone reservoirs.

## Entrada Sandstone Conventional Oil Assessment Unit (50220401)

### Introduction

The boundary of the Entrada Sandstone Conventional Oil Assessment Unit (AU) (050220401) (fig. 1) was drawn to encompass the following areas:

1. those Entrada dunes with enough significant relict topography (at least 20 ft) below the limestone beds of the Todilto Limestone Member of the Wanakah Formation and within the area of the San Juan Basin where anhydrite beds (lateral seal) of the Todilto were deposited (fig. 3),
2. that part of the basin where the Todilto is mature enough to have generated oil, and
3. that part of the basin where Entrada sandstones have good porosity and permeability.

Key parameters of the Entrada Sandstone Conventional AU are discussed below and summarized on figure 10.

### Source

The principal source rock for petroleum in the total petroleum system is the Todilto Limestone Member of the Wanakah Formation.

### Maturation

Thermal maturation for oil in source rocks of the Todilto Limestone ranges from middle Paleocene to middle Eocene, and until the middle Miocene for gas generation in the area north of the AU.

### Migration

The migration distance of oil from the Todilto source beds into the underlying Entrada Sandstone reservoirs was short, probably within the dimensions of a single dune crest. The various Entrada fields do not appear to be linked along any regional migration pathway that might suggest fluid movement

along regional faults or regionally through the Entrada Sandstone. All the oil fields occur where the Todilto is sufficiently mature to produce oil (present depths up to about 8,000 ft) and where isolated pods of thicker Entrada are found. The AU boundary was extended slightly south of the pod of active source rock to incorporate that part of the Chaco slope immediately adjacent to the central basin. In this area, limited well data indicate the presence of thin Todilto and hence probable relict dune topography in the Entrada (figs. 1 and 6). Also, this area would be the most likely to host hydrocarbon accumulations outside the pod of mature source rock because migration distances from the mature source pod to potential reservoirs would be the shortest. The Entrada Sandstone Conventional Oil AU is mostly confined to the pod of active source rock.

## Reservoirs

The reservoirs are the upper sandstone facies in the Entrada Sandstone in areas where the Entrada is thick, and relict dune topography is preserved below the overlying limestone and anhydrite sealing facies of the Todilto Limestone Member.

## Traps/Seals

Traps in the Entrada are mainly stratigraphic, due to the preservation of dune topography, and diagenetic. Regional tilt of the strata to the northeast has influenced structural trapping of oil, but also allowed for later introduction of water. Subsequent hydrodynamic forces have influenced the repositioning of the oil in some reservoirs and flushing in others. Seals are mostly the anhydrite and the limestone facies of the Todilto, which thin to as little as 10 ft over the crests of the dunes.

## Geologic Model

To date, oil in Entrada Sandstone reservoirs has been found at the extreme southern part of the central basin (figs. 1 and 4) near the intersection with the Chaco slope. Although the AU boundary was drawn to encompass the area where relict dune topography of at least 20–30 ft is preserved in the Entrada, oil has yet to be discovered in areas where long linear crests of dunes have been identified (Vincelette and Chittum, 1981). Rather, oil in the Entrada has only been found in some isolated Entrada dunes with 20–30 ft of closure below the limestone facies of the Todilto Limestone Member. Net pay in the fields averages 25 ft, but ranges from 16 ft at the Leggs field to nearly 30 ft at the Papers Wash field (table 1). Oil column height may range up to 45 ft, but not all the oil is moveable (Vincelette and Chittum, 1981). The presence of immovable oil is probably related to partial flushing but also could be related to juxtaposition of local less permeable beds with those having higher permeability. The regional distribution of oil fields suggests that the spill point is rarely reached in the fields.

Traps in the Entrada are principally stratigraphic and are found where relict dune topography is preserved. The traps

formed syndepositionally with the Entrada and were subsequently modified during deposition of the Todilto. The Todilto, source of the oil in the Entrada (Ross, 1980; Vincelette and Chittum, 1981), probably entered the window of oil generation in the middle Paleocene, and oil continued to be generated into the middle Eocene (fig. 10). Oil found in Entrada fields probably formed during this time. In the area north of the AU, oil may have continued to form, but because of the high heat history and greater depth of burial in this area, it would have cracked to gas. The period of generation–migration–accumulation of oil in the Entrada may well have ceased in the middle Eocene, near the end of the Laramide orogeny. However, the basin continued to subside well into the Miocene, and it is this later subsidence that might have aided migration of oil from source to trap.

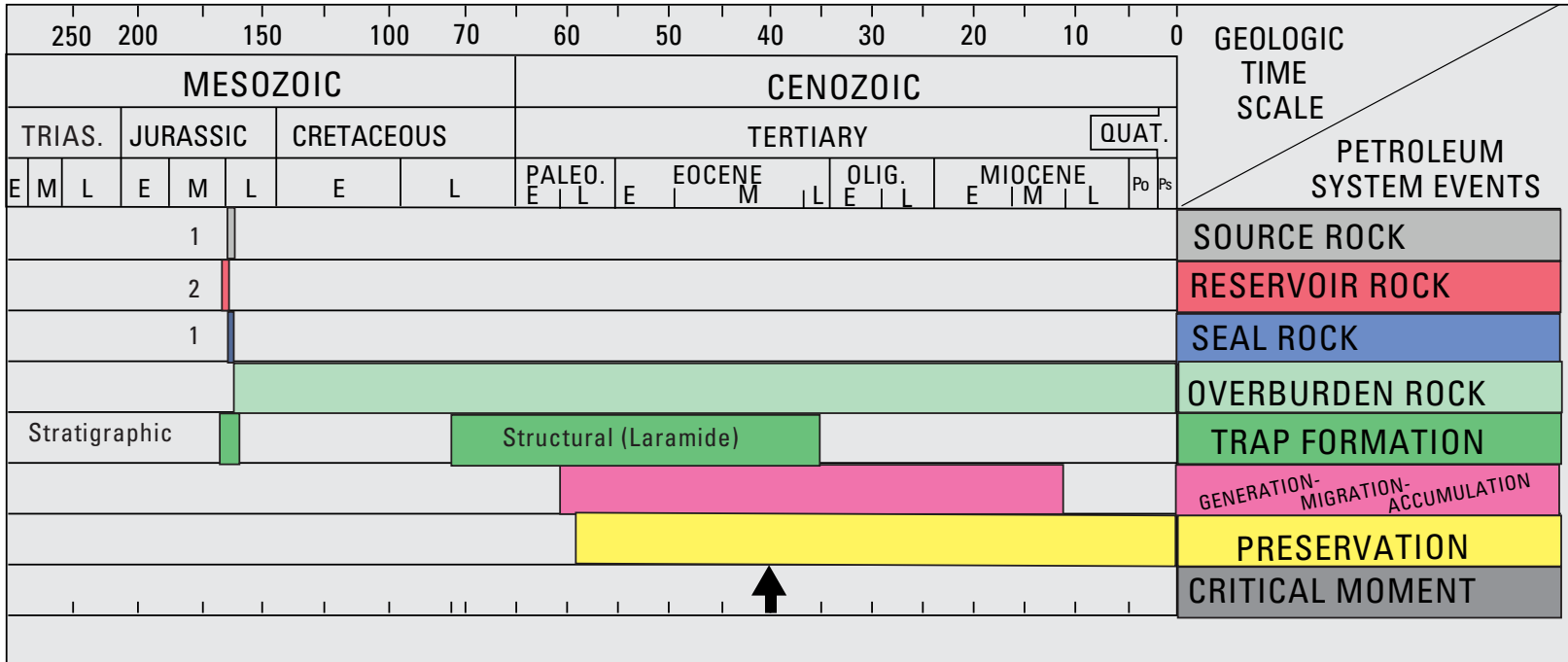
During the Miocene, strata in the southern part of the San Juan Basin were further tilted to the northeast. There is a slight break in the regional tilt between the Chaco slope to the south and the central basin to the north. All the oil fields are found near this break in slope (figs. 1 and 4). The oil fields, although isolated, are aligned northwest–southeast subparallel to the regional structural grain. When these fields are superimposed on the basement blocks (fig. 4), each field occurs within a block near the southern terminus where two blocks intersect. The blocks probably did not control migration of the oil, but rather may have controlled syndepositional thickness and preservation of thick Entrada. There has been some re-migration of oil out of traps; these sandstone traps are now water wet and some contain residual oil (Vincelette and Chittum, 1981). Flushing of traps probably occurred after the northeast regional tilt was developed, and erosion of rocks along the southern and eastern margin of the basin permitted inclusion of younger meteoric water.

Exploration efforts to find oil in the Entrada should focus on areas where

1. relict dune topography of sufficient closure on the top of the Entrada is preserved below the limestone facies of the Todilto Limestone Member of the Wanakah,
2. relict dune facies occurs in conjunction with the anhydrite facies of the Todilto,
3. the Todilto source beds are in the window of oil generation because migration distances from source beds into the sandstone reservoirs are short,
4. the Todilto and Entrada occur between depths of 5,000 and 8,000 ft in the basin (the shallow end of the range would be the most prospective)—depths at which better porosity and permeability in the Entrada are preserved, and
5. the break in the regional slope between the central basin and Chaco slope is located.

Finding oil in the Entrada will be difficult because of the small size of the dune crests, which are best identified by seismic studies. The difficulty of finding new oil plays was demonstrated by Massé and Ray (1995) in a 3-D seismic study of the Entrada Sandstone on the east side of the San Juan Basin. Their study did not define any new Entrada plays, and their results downplayed the potential for new plays in this area.

Entrada Oil Assessment Unit



Rock Units:

1. Todilto Limestone Member of Wanakah Formation
2. Entrada Sandstone

**Figure 10.** Events chart that shows key geologic events for the Entrada Sandstone Conventional Oil Assessment Unit. Black arrow shows critical moment (Magoon and Dow, 1994) for oil generation. Trias., Triassic; Quat., Quaternary; Paleo., Paleocene; Olig., Oligocene; Po, Pliocene; Ps, Pleistocene; E, early; M, middle; L, late. Geologic time scale is from the Geological Society of America web page <http://www.geosociety.org/science/timescale/timescl.htm>, last accessed 2/1/2008, and from Berggren and others (1995).

However, seismic studies have been successful elsewhere, especially in delineating favorable areas for expansion within existing fields (Nestor and Endsley, 1992).

### Assessment Results

The Entrada Sandstone Conventional Oil AU (50220401) covers 2,874,000 acres, which is somewhat smaller than the area used in the 1995 USGS assessment Entrada Play 2204 (Huffman, 1996). The AU of this study was restricted to the pod of Todilto source rock, which was mature enough to produce oil, and to where there was sufficient porosity and permeability preserved in the Entrada Sandstone. The AU was estimated at the mean to have potential additions to reserves of 2.32 MMBO, 5.56 BCFG, and 0.22 MMBNGL (table 2). The volumes of undiscovered oil, gas, and natural gas liquids estimated in 2002 for the Entrada Sandstone Conventional Oil AU are shown in Table 3. A summary of the assessment input data of the AU is presented on the data form in appendix A, which for this AU estimates the numbers and sizes of undiscovered accumulations. There are adequate charge, reservoir, traps, seals, access, and timing of generation and migration of hydrocarbons, indicating a geologic probability of 1.0 for finding at least one additional field with a total recovery greater than the stated minimum of 0.5 MMBO (grown) for oil.

This assessment unit produces mostly oil with small quantities of associated gas (IHS Energy Group, 2002). The associated gas was not quantitatively assessed. In estimating undiscovered non-associated gas and the number and sizes

of undiscovered oil accumulations, historical data from NRG Associates (2001) database were used. Only four of the eight Entrada oil fields meet the 0.5 MMBO cutoff. These are Eagle Mesa, Media, Media Southwest, and Papers Wash. No new oil accumulations have been found that meet the minimum accumulation size cutoff since the discovery of the Papers Wash field in 1976. New wildcat discoveries since then have resulted in only single-well fields or a few-well fields—all of which have currently produced below the minimum field-size cutoff, despite having been in production for many years (IHS Energy Group, 2002). Although activity in exploration for new Entrada fields has resulted in only small fields with production below the minimum cutoff, there is still a large area left for exploration. Taking these factors into consideration, it was estimated that a maximum of four oil accumulations meeting the minimum cutoff, could still be discovered. At the median, this value is two undiscovered oil accumulations and at the minimum, one undiscovered oil accumulation.

Figure 11 shows the sizes of grown accumulations for the first and second halves of the discovery period. The accumulations for each half are ranked by size, with rank 1 equating to the largest accumulation and rank 2 equating to the smallest accumulation. Using the discovery information for fields that meet the minimum cutoff, the median grown size of discovered accumulations is 1.38 MMBO for the first half of the discovery period and 2.07 MMBO for the second half (fig. 11), indicating that sizes of accumulations were larger in the second half of the discovery period. The grown size of undiscovered accumulations was estimated from the distribution of discovered accumulation size versus the discovery year (fig. 12). The largest grown

**Table 2.** Assessment results summary for the Todilto Total Petroleum System, San Juan Basin Province, New Mexico and Colorado.

[MMBO, million barrels of oil; BCFG, billion cubic feet of gas; MMBNGL, million barrels of natural gas liquids. Results shown are fully risked estimates. For gas fields, all liquids are included under the NGL (natural gas liquids) category. F95 denotes a 95 percent chance of at least the amount tabulated. Other fractiles are defined similarly. Fractiles are additive only under the assumption of perfect positive correlation]

Assessment unit	Field type	Total undiscovered resources											
		Oil (MMB)				Gas (BCF)				NGL (MMB)			
		F95	F50	F5	Mean	F95	F50	F5	Mean	F95	F50	F5	Mean
<b>Conventional oil and gas resources</b>													
Entrada Sandstone Conventional Oil	Oil	0.81	2.19	4.18	2.32	1.84	5.15	10.66	5.56	0.07	0.20	0.45	0.22

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**Table 3.** Comparison of estimates from the 2002 Entrada Sandstone Conventional Oil Assessment Unit (50220401) and the 1995 Entrada Play 2204 assessments of the number, sizes, and volumes of undiscovered oil accumulations.

[Sizes, volumes of oil and natural gas liquids, and minimum size considered are in million barrels of oil; volume of associated gas in billion cubic feet. F95 indicates a 95 percent chance of discovering more than the amount tabulated. The F50 and F5 fractiles are similarly defined. 1995 data from Huffman (1996)]

Number of Undiscovered Oil Accumulations				
Assessment year	Minimum	Median	Maximum	Minimum size considered
2002	1	2	4	0.5
1995	5	10	25	1

Sizes of Undiscovered Oil Accumulations				
Assessment year	Minimum	Median	Maximum	
2002	0.5	1	4	0.5
1995	1	2	4	1

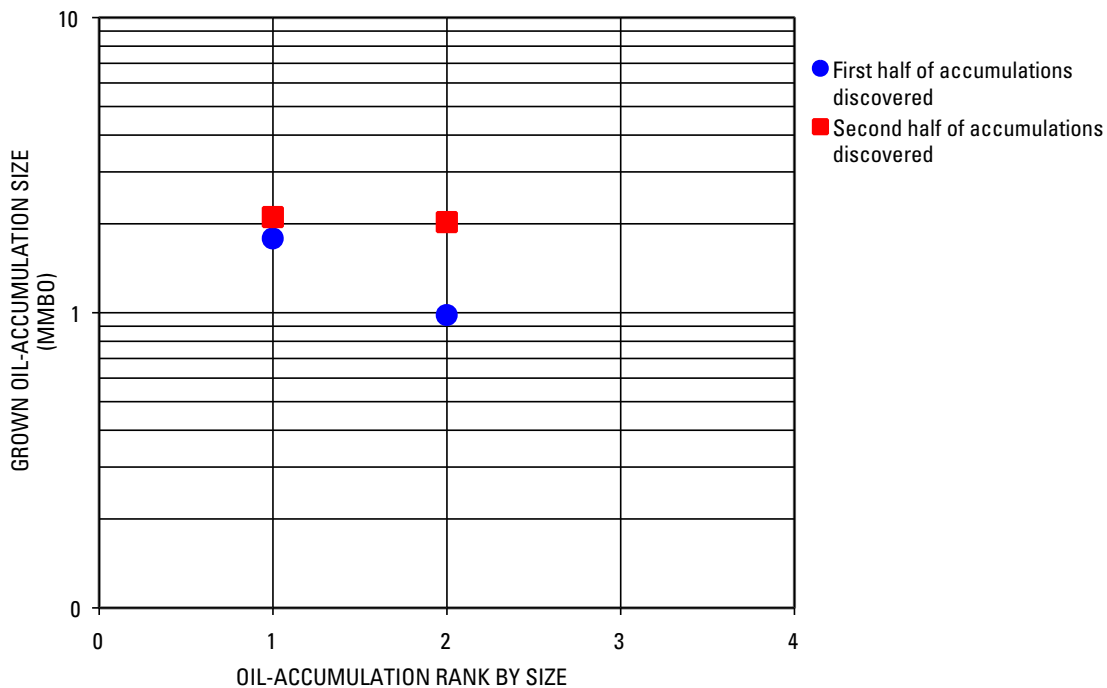
Volume of Undiscovered Oil				
Assessment year	F95	F50	F5	Mean
2002	0.81	2.19	4.18	2.32
1995	2.2	11.10	33.8	21.3

Volume of Undiscovered Associated Gas				
Assessment year	F95	F50	F5	
2002	1.84	5.15	10.66	5.56
1995	0.20	1.00	3.04	1.90

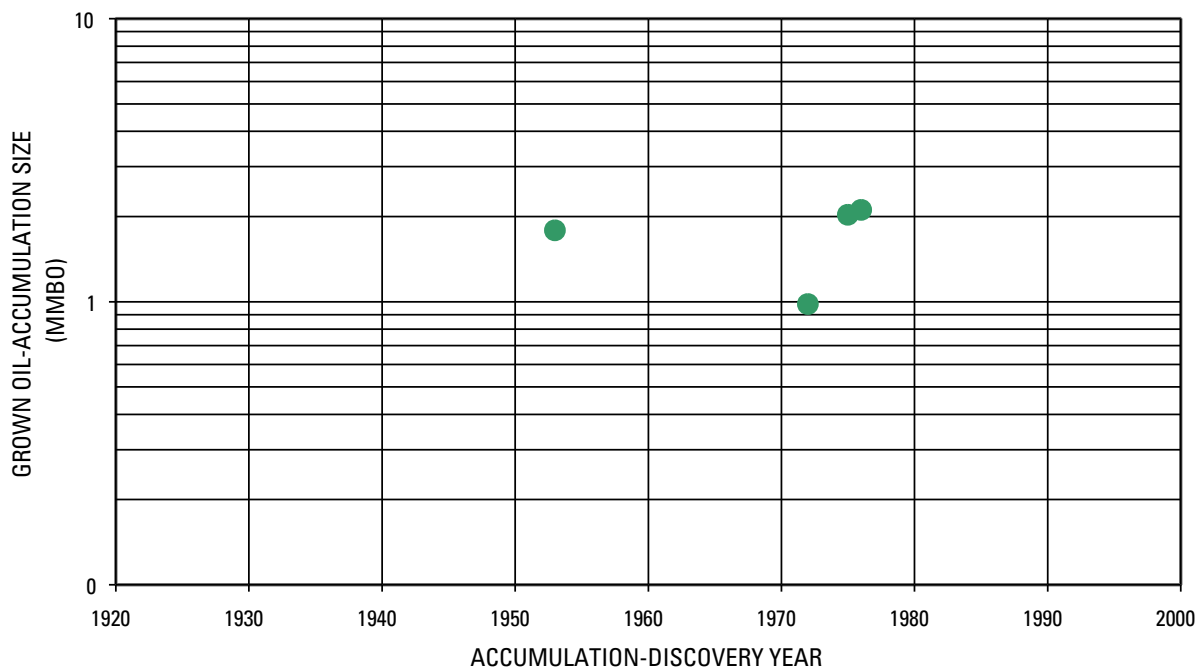
  

Volume of Undiscovered Natural Gas Liquids				
Assessment year	F95	F50	F5	
2002	0.07	0.20	0.45	0.22
1995	0	0	0	0



**Figure 11.** Graph showing distribution by halves of grown oil-accumulation size versus rank by size for the Entrada Sandstone Conventional Oil Assessment Unit (50220401). Data from NRG (2001). MMBO, million barrels of oil.





**Figure 12.** Graph showing sizes of grown oil accumulations versus year of discovery of accumulations (fields) for the Entrada Sandstone Conventional Oil Assessment Unit (50220401). Data from NRG (2001). MMBO, million barrels of oil.

oil field (Papers Wash) is about 2 MMBO. Using these data, the maximum estimated size of undiscovered accumulations is 4 MMBO, the median size is 1 MMBO, and the minimum size is 0.5 MMBO.

The number and sizes of undiscovered oil accumulations in this 2002 assessment are lower than those estimated in 1995 (table 2), even though a smaller minimum size was used in this assessment. This lower estimate reflects the discovery of very small field sizes since 1976, few new productive wildcats, and geologic factors, such as hydrodynamic flushing, which may diminish the occurrence of accumulations whose size at least meets the minimum cutoff. The 2002 estimated undiscovered oil, associated gas, and natural gas liquids for the Entrada Sandstone Conventional Oil AU are, at the mean, 2.32 MMBO, 5.56 BCFG, and 0.22 MMBNGL. These values represent a decrease in undiscovered oil resources, but an increase in associated gas and natural gas liquids resources relative to the 1995 assessment (table 2) (Huffman, 1996).

## Acknowledgments

The authors thank T.S. Ahlbrandt and R.B. O’Sullivan for their thoughtful reviews and T.A. Cook and T.R. Klett for interpretations and graphs of production data. Useful discussions and input were also provided by the U.S. Geological Survey, National Oil and Gas Assessment Team, consisting of R.R. Charpentier, T.A. Cook, R.A. Crovelli, T.R. Klett, and C.J. Schenk.

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**Appendix A.** Input data form used in evaluating the Todilto Total Petroleum System, Entrada Sandstone Conventional Oil Assessment Unit (50220401), San Juan Basin Province. See Klett and Le (this CD-ROM) for a detailed description of the data input form.

**SEVENTH APPROXIMATION  
DATA FORM FOR CONVENTIONAL ASSESSMENT UNITS (NOGA, Version 5, 6-30-01)**

**IDENTIFICATION INFORMATION**

Assessment Geologist:.....	<u>J.L. Ridgley</u>	Date:	<u>9/25/2002</u>
Region:.....	<u>North America</u>	Number:	<u>5</u>
Province:.....	<u>San Juan Basin</u>	Number:	<u>5022</u>
Total Petroleum System:.....	<u>Todilto</u>	Number:	<u>502204</u>
Assessment Unit:.....	<u>Entrada Sandstone Conventional Oil</u>	Number:	<u>50220401</u>
Based on Data as of:.....	<u>PI/Dwights 2001, NRG 2001 (data current through 1999)</u>		
Notes from Assessor:.....	<u></u>		

**CHARACTERISTICS OF ASSESSMENT UNIT**

Oil (<20,000 cfg/bo overall) **or** Gas (≥20,000 cfg/bo overall):... Oil

What is the minimum accumulation size?..... 0.5 mmoeb grown  
(the smallest accumulation that has potential to be added to reserves in the next 30 years)

No. of discovered accumulations exceeding minimum size:.....	Oil:	<u>4</u>	Gas:	<u>0</u>
Established (>13 accums.)	Frontier (1-13 accums.)	<u>X</u>	Hypothetical (no accums.)	<u></u>

Median size (grown) of discovered oil accumulation (mmoeb):			
	1st 3rd	<u>1.38</u>	2nd 3rd <u>2.07</u> 3rd 3rd <u></u>
Median size (grown) of discovered gas accumulations (bcfg):			
	1st 3rd	<u></u>	2nd 3rd <u></u> 3rd 3rd <u></u>

**Assessment-Unit Probabilities:**

<u>Attribute</u>	<u>Probability of occurrence (0-1.0)</u>
1. <b>CHARGE:</b> Adequate petroleum charge for an undiscovered accum. ≥ minimum size.....	<u>1.0</u>
2. <b>ROCKS:</b> Adequate reservoirs, traps, and seals for an undiscovered accum. ≥ minimum size.....	<u>1.0</u>
3. <b>TIMING OF GEOLOGIC EVENTS:</b> Favorable timing for an undiscovered accum. ≥ minimum size.....	<u>1.0</u>

**Assessment-Unit GEOLOGIC Probability** (Product of 1, 2, and 3):..... 1.0

4. <b>ACCESSIBILITY:</b> Adequate location to allow exploration for an undiscovered accumulation ≥ minimum size.....	<u>1.0</u>
--	------------

**UNDISCOVERED ACCUMULATIONS**

**No. of Undiscovered Accumulations:** How many undiscovered accum. exist that are  $\geq$  min. size?:  
(uncertainty of fixed but unknown values)

Oil Accumulations:.....min. no. (>0)	1	median no.	2	max no.	4
Gas Accumulations:.....min. no. (>0)	0	median no.	0	max no.	0

**Sizes of Undiscovered Accumulations:** What are the sizes (**grown**) of the above accums?:  
(variations in the sizes of undiscovered accumulations)

Oil in Oil Accumulations (mmbo):.....min. size	0.5	median siz	1	max. size	4
Gas in Gas Accumulations (bcfg):.....min. size		median size		max. size	

**AVERAGE RATIOS FOR UNDISCOVERED ACCUMS., TO ASSESS COPRODUCTS**

(uncertainty of fixed but unknown values)

<u>Oil Accumulations:</u>	minimum	median	maximum
Gas/oil ratio (cfg/bo).....	1200	2400	3600
NGL/gas ratio (bnl/mmcfg).....	20	40	60
<u>Gas Accumulations:</u>	minimum	median	maximum
Liquids/gas ratio (bliq/mmcfg).....			
Oil/gas ratio (bo/mmcfg).....			

**SELECTED ANCILLARY DATA FOR UNDISCOVERED ACCUMULATIONS**

(variations in the properties of undiscovered accumulations)

<u>Oil Accumulations:</u>	minimum	median	maximum
API gravity (degrees).....	30	33	35
Sulfur content of oil (%).....	0.1	0.5	1
Drilling Depth (m) .....	1400	1600	1800
Depth (m) of water (if applicable).....			
<u>Gas Accumulations:</u>	minimum	median	maximum
Inert gas content (%).....			
CO <sub>2</sub> content (%).....			
Hydrogen-sulfide content (%).....			
Drilling Depth (m).....			
Depth (m) of water (if applicable).....			



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## **ATTACHMENT G**

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### **Flash Point Additional Narrative**

The flash point detected in the January 2024 wastewater sample from WDW #2 was found to be 134°F, which is below the Resource Conservation & Recovery Act (RCRA) limit of 140°F pursuant to 40 CFR 261.21. However, Bloomfield Products Terminal believes this data point is an anomaly, is not representative of the wastewater that is injected in WDW #2, and that the laboratory may have reported this result in error. The following narrative describes the support for this position, and the additional temporary monitoring that has been implemented.

#### 1) Routine Inspections and Product Inventory

Bloomfield Products Terminal personnel conduct a minimum of one facility inspection a day, seven days a week. These inspections include all associated equipment that could potentially cause abnormal operating conditions such as the tank farm, crude offloading area, product loading rack, wastewater collection processes, wastewater treatment system, and the injection well equipment. During these inspections personnel visually, olfactorily, and through listening, inspect the facility equipment and processes for any indication of abnormal operating conditions. All product tanks, containers, and pipeline inventories are monitored continuously for any abnormal conditions and for loss of product. During the days preceding January 23, 2024 when the quarterly sample was collected, none of the facility-wide inspections indicated any abnormal conditions, upset conditions, or release incidents, and no product losses were observed. Additionally, the tank, container, and pipeline inventories showed no loss of product or breach of primary containment.

#### 2) Historical Flash Point Results

The flash point in all historical samples taken each quarter since WDW #2 started operation has been above the laboratory reporting limit (this limit is typically >170°F). The flash point (conservatively using the reporting limit of 170°F as the result) from a one-year average of quarterly flash point results from March 2023 through January 2024 demonstrates an average of 161°F, which is above the RCRA limit of <140°F.

#### 3) Other Sample Characteristics Were Typical

All other analytical data from the same sample date were within the same ranges typically detected for this wastewater. More specifically, all the method 8260 volatiles and method 8270 semi-volatiles were below the reporting limits. There were no variations or anomalies in the other analytical data that would support this sample having a flash point less than 140°F. Additionally, there were no visual observations by the laboratory of abnormal color, odor, or sheen/floating oil. In the analytical results report, the Login Sample Receipt Checklist found on page 19 of 36 shows no multiphasic samples were present.

#### 4) Facility Wastewater Treatment System Description and Normal Operations

There were no abnormal or upset conditions present at the Terminal on or preceding the sample date. The wastewater system that is designed to remove hydrocarbons and volatile components was in a normal operating state and demonstrates a level of confidence that the flash point in the sample was an anomaly and not representative. The following is an overview of how wastewater is generated and a description of the wastewater handling system for reference.

- All wastewater that has the potential to come into contact with hydrocarbons is collected and treated at the facility. The sources include contact stormwater, recovered groundwater, boiler water, heater treater water, water from boiler feed water treatment system, water collected in storage tanks, water generated during process equipment cleaning, and water generated during equipment hydrotesting.

- All of the wastewater flows through the American Petroleum Institute (API) separator. The API separator is a large concrete containment structure that uses gravity and residence time to separate wastewater into three components; a sludge layer that sinks to the bottom, a scum layer that floats to the top, and a clarified effluent in the middle. The clarified effluent then flows through two volatile organic carbon stripper columns. At the stripper columns, ambient air is blown upwards through a falling cascade of clarified wastewater and, as a result, dissolved gases and light hydrocarbons including benzene that may be present are removed. The inlet and outlet of the strippers is sampled monthly. No abnormalities in the inlet or outlet concentrations has been found.
- Effluent from the stripper columns flows to a series of three lined aeration lagoons. Each lagoon is equipped with two aerators which effectively strip dissolved gasses and light hydrocarbons from the wastewater. The aerators provide aggressive biological treatment through accelerated biological oxidation of wastewater and enhanced biological activity.

5) Voluntary Flash Point Checks

As additional confirmation, the Terminal is conducting a short-term study to monitor the flash point of the wastewater to WDW #2 on a monthly basis to ensure there is not an upset condition that could allow there to be a lower-than-normal flash point.

6) Organics Results were in Historical Normal Ranges

A review of the organics sample results from the previous three quarters did not indicate any organic values outside of the normal ranges in the sample that was collected on January 23, 2024.

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

COMMENTS

Action 463509

**COMMENTS**

Operator: Western Refining Southwest LLC 539 South Main Street Findlay, OH 45840	OGRID: 267595
	Action Number: 463509
	Action Type: [UF-DP] Discharge Permit (DISCHARGE PERMIT)

**COMMENTS**

Created By	Comment	Comment Date
cchavez	Annual Report FY 2024 included references to the Strata, LLC Well Rpt. & historical FOT(s) to conclude well & historical FOT results are accurate. OCD Comments are: 1. Upon well completion in 2017 and while conducting first FOT, OCD notified by operator of well "pressure up" problem. FOT injection rate was reduced to a "sweet spot" (~ 30 gpm) to allow a steady-state injection rate for FOTs. The SRT Frac flow rate was 133 gpm in 2016. 2. Due to cost of new well, econ. situation, and ability of well to be used sparingly & under permit conditions to handle waste fluid vols., operator requested to temporarily operate the well "as is". OCD approved w EPA consensus. 3. OCD after the FOT FY23 required operator to "fix" the well "pressure up" problem. Strata, LLC was hired to assess the well condition in order to fix the well but indicated in their 9/2024 report the well is fine and FOTs are accurate. 4. OCD is consulting EPA (Decision Maker) for any deviation(s) in Class I Well Requirements.	6/17/2025

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CONDITIONS

Action 463509

**CONDITIONS**

Operator: Western Refining Southwest LLC 539 South Main Street Findlay, OH 45840	OGRID: 267595
	Action Number: 463509
	Action Type: [UF-DP] Discharge Permit (DISCHARGE PERMIT)

**CONDITIONS**

Created By	Condition	Condition Date
cchavez	1. OCD is working on directive to operator on well "pressure up" problem. 2. FOTs require an injection rate that will adequately stress the reservoir while achieving a steady-state injection rate to obtain accurate FOT Log-Log Model Results with reservoir info. 3. OCD is conferring with EPA for any deviations to UIC Class I Well Requirements based on this well situation.	6/17/2025