Western Refining Southwest LLC

539 S Main Street
Findlay, OH 45840
Tel: 419.422.2121

November 6, 2024

Carl Chavez
New Mexico Energy, Minerals and Natural Resources Department
Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, NM 87505

Electronic Submittal via OCD e-permitting website

RE: REVISED Quarterly Injection Well Report – January to March 2024
Western Refining Southwest LLC – Bloomfield Products Terminal
Class I Disposal Well UICI-011 (WDW #2)
API#: 30-045-35747, Facility ID fCJC2115255112

Dear Mr. Chavez,

Western Refining Southwest LLC (Bloomfield Products Terminal), in this revised report, is resubmitting to New Mexico Oil Conservation Division (OCD) a summary of the operational and monitoring data pertaining to the operations of the Class I injection well located at the Bloomfield Terminal facility located in Bloomfield, NM. The enclosed data are for operations and activities conducted between January 1st, 2024, and March 31st, 2024, and includes the following:

- Attachment A: 2023 Quarterly Injection Well Summary Table
- Attachment B: Analytical Summary of Quarterly Samples
  - Additional Narrative
- Attachment C: Quarterly Laboratory Analytical Reports
  - Injection Well quarterly sampling analytical results
- Attachment D: Well Operational Logs
- Attachment E: Groundwater Monitoring Well Data Summary & Evaluation
  - Analytical Results Narrative
  - Well Testing Operations & Significant Activities (as applicable)

If you should have any questions or require additional information, please do not hesitate to contact me at 678-594-6377 or gfrussell@marathonpetroleum.com.

Sincerely,

Gary Russell
Senior Environmental Specialist
Western Refining Southwest LLC

CC: Environmental Manual
Terminal Manager

ATTACHMENT A

Quarterly Injection Well Summary Table

Western Refining Southwest LLC
Bloomfield Terminal
Summary

Period 2023	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)
OCT	0	22405	32	216448	743.5	610	484	502	37	-8	16	33	33	0
NOV	0	10167	0	216448	721	496	479	485	17	12	15	0	-	0
DEC	0	9667	0	216448	744	483	471	475	19	2	15	0	-	0

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	14857	232	216680	741	958	393	475	2	-3	0	40	35	37
FEB	0	12833	0	216680	696	472	463	467	1	-1	-1	0.0	-	0.0
MAR	0	13833	0	216680	744	465	459	462	5	-1	3	0.0	-	0.0
Quarterly Averages and Totals	**0**	**41524**	**232**		**2181**	**632**	**438**	**468**	**3**	**-2**	**1**	**13**	**35**	**12**

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

Report Period Total Volume Injected:	232	Barrels

Attachment B

Quarterly Analytical Summary Table

Attachment B - Analytical Summary

		Toxicity Characteristics (40 CFR261.24)	WQCC (20.6.2.3103 NMAC)	2024 Jan-Mar	12-Month Average	2023 Apr-June	2023 July-Sept	2023 Oct-Dec
Volatile Organic Compounds *(mg/L)*								
D029	1,1-Dichloroethene	0.70	5	< 0.70				
D028	1,2-Dichloroethane (EDC)	0.50	10	< 0.50				
D027	1,4-Dichlorobenzene	7.5		< 7.5				
D035	2-Butanone (MEK)	200		< 200				
D018	Benzene	0.50	10	< 0.50				
D019	Carbon Tetrachloride	0.50	10	< 0.50				
D021	Chlorobenzene	100		< 100				
D022	Chloroform	6.0	100	< 6.0				
D033	Hexachlorobutadiene	0.50		< 0.50				
D039	Tetrachloroethene (PCE)	0.70	20	< 0.70				
D040	Trichloroethene (TCE)	0.50	100	< 0.50				
D043	Vinyl chloride	0.20	1	< 0.20				
Semi-Volatile Organic Compounds *(mgL)*								
D027	1,4-Dichlorobenzene	7.5		<7.5				
D041	2,4,5-Trichlorophenol	400		<400				
D042	2,4,6-Trichlorophenol	2.0		<2.0				
D030	2,4-Dinitrotoluene	0.13		<0.13				
D023	2-Methylphenol (o-Cresol)	200		<200				
D024, D025	3+4-Methylphenol (m, p-Cresol)	200		<200				
D032	Hexachlorobenzene	0.13		<0.13				
D033	Hexachlorobutadiene	0.50		<.50				
D034	Hexachloroethane	3.0		<3.0				
D036	Nitrobenzene	2.0		<2.0				
D037	Pentachlorophenol	100		<100				
D038	Pyridine	5.0		<5.0				
General Chemistry *(mg/L unless otherwise stated)*								
	Specific Conductance *(umhos/cm3)*			3000				
	Bromide			2.0				
	Chloride		250 *	**670**				
	Fluoride			<0.5				
	Nitrate + Nitrite as N			<0.5				
	Phosphorus, Orthophosphate (As P)			<2.5				
	Sulfate		600	110				
	Total Dissolved Solids		1000 **	**1610**				
	pH *(pH Units)*			8.02				
	Bicarbonate (As CaCO3)			393.2				
	Carbonate (As CaCO3)			<2.0				
	Total Alkalinity (as CaCO3)			393.2				
	Specific Gravity			0.997				
Total Metals *(mg/L)*								
D004	Arsenic	5.0		0.0026				
D005	Barium	100		0.1				
D006	Cadmium	1.0		< 0.002				
D007	Chromium	5.0		0.024				
D008	Lead	5.0		<0.001				
D010	Selenium	1.0		0.0019				
D011	Silver	5.0		< 0.005				
D009	Mercury	0.2	0.002	< 0.0002				
Dissolved Metals *(mg/L)*								
	Calcium			35				
	Magnesium			33				
	Potassium			19				
	Sodium			490				
Ignitability, Corrosivity, and Reactivity								
D003	Reactive Cyanide *(mg/L)*			<0.025				
D003	Reactive Sulfide *(mg/L)*			<6.3				
D001	Ignitability *(° F)*	< 140° F		134° F***	161° F	>170° F	>170° F	>170° F
D002	Corrosivity (ph Units)	≤ 2 or ≥ 12.5	6-9	7.5				
Pesticides (mg/L)								
	Chlordane	0.03		<0.002				
Field Parameters								
	pH			7.4				
	Temperature (°C)			11				
	Oxidation-Reduction Potential (mV)			203.8				

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 avaerage result is provided to demonstrate how the wastewater is not characteristically flammable. See Attachment B additional narrative.

ATTACHMENT B

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.

ATTACHMENT B

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ATTACHMENT C

Laboratory Analytical Reports

eurofins | Environment Testing

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

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
EPA METHOD 8270C TCLP						Analyst: **mb**	
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
SPECIFIC GRAVITY						Analyst: **RBC**	
Specific Gravity	0.9972	0			1	1/29/2024 2:48:00 PM	R102732
EPA METHOD 300.0: ANIONS						Analyst: **RBC**	
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
SM2510B: SPECIFIC CONDUCTANCE						Analyst: **MCA**	
Conductivity	3000	10		µmhos/c	1	1/30/2024 11:22:57 AM	R102779
SM2320B: ALKALINITY						Analyst: **MCA**	
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
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **RBC**	
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.

Qualifiers:

*	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 Quanitative 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
SM4500-H+B / 9040C: PH						Analyst:	**MCA**
pH	8.02		H	pH units	1	1/25/2024 5:00:51 PM	R102693
EPA METHOD 6020A: TOTAL RECOVERABLE METALS						Analyst:	**ELS**
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
EPA METHOD 7470A: MERCURY						Analyst:	**tem**
Mercury	ND	0.00020		mg/L	1	1/26/2024 5:08:01 PM	80111
EPA METHOD 6010B: DISSOLVED METALS						Analyst:	**VP**
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
EPA 6010B: TOTAL METALS						Analyst:	**VP**
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
EPA METHOD 8081: PESTICIDES						Analyst:	**mb**
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
TCLP VOLATILES BY 8260B						Analyst:	**CCM**
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

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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 Quanitative 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
TCLP VOLATILES BY 8260B						Analyst: **CCM**	
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.

Qualifiers:

*	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 Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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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

See page two for job notes and contact information.

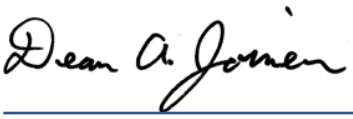
Eurofins Houston

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



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

Table of Contents

Definitions/Glossary

Client: EET South Central Hall Environmental Analysis Laboratory Job ID: 860-66367-1
Project/Site: Hall Environmental - 2401951 1-23-24

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.
¤	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 Job ID: 860-66367-1
Project: Hall Environmental - 2401951 1-23-24

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 Job ID: 860-66367-1
Project/Site: Hall Environmental - 2401951 1-23-24

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

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: EET South Central Hall Environmental Analysis Laboratory Job ID: 860-66367-1
Project/Site: Hall Environmental - 2401951 1-23-24

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

QC Sample Results

Client: EET South Central Hall Environmental Analysis Laboratory Job ID: 860-66367-1
Project/Site: Hall Environmental - 2401951 1-23-24

Method: 9012 - Cyanide, Reactive

Lab Sample ID: MB 860-143047/1-A **Client Sample ID: Method Blank**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 143255 **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 **Client Sample ID: Lab Control Sample**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 143255 **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 **Client Sample ID: Lab Control Sample Dup**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 143255 **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 **Client Sample ID: Method Blank**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 143076 **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 **Client Sample ID: Lab Control Sample**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 143076 **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 **Client Sample ID: Lab Control Sample Dup**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 143076 **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 Job ID: 860-66367-1
Project/Site: Hall Environmental - 2401951 1-23-24

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 Job ID: 860-66367-1
Project/Site: Hall Environmental - 2401951 1-23-24

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

Accreditation/Certification Summary

Client: EET South Central Hall Environmental Analysis Laboratory Job ID: 860-66367-1
Project/Site: Hall Environmental - 2401951 1-23-24

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	08-03-24
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

Method Summary

Client: EET South Central Hall Environmental Analysis Laboratory Job ID: 860-66367-1
Project/Site: Hall Environmental - 2401951 1-23-24

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

Sample Summary

Client: EET South Central Hall Environmental Analysis Laboratory Job ID: 860-66367-1
Project/Site: Hall Environmental - 2401951 1-23-24

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

PAGE: 1 OF: 1

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 CONTRATOR: **Eurofins Houston**	COMPANY: **Eurofins TestAmerica Houston**	PHONE: **(218) 240-4200**	FAX: **(713) 690-5646**
ADDRESS: **4147 Greenbriar Dr**		ACCOUNT #:	EMAIL:
CITY STATE, ZIP: **Stafford, TX 77477**			

ITEM	SAMPLE	CLIENT SAMPLE ID	BOTTLE TYPE	MATRIX	COLLECTION DATE	# CONTAINERS	ANALYTICAL COMMENTS
1	2401951-001F	Injection Well	500HDPE	Aqueous	1/23/2024 8:30:00 AM	3	RCI, ORP Please apply ICO prices.

860-66367 Chain of Custody

Temp: 1.4 IR ID:HOU-369
C/F -0.0
Corrected Temp 1.4

SPECIAL INSTRUCTIONS / COMMENTS:

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

Relinquished By:	Date: 1/24/2024	Time: 12:20 PM	Received By: FedEx	Date:	Time:
Relinquished By: FedEx	Date:	Time:	Received By: Nuevo	Date: 1/25	Time: 10:37
Relinquished By:	Date:	Time:	Received By:	Date:	Time:

TAT: Standard ☐ RUSH Next BD ☐ 2nd BD ☐ 3rd BD ☐

REPORT TRANSMITTAL DESIRED:
☐ HARDCOPY (extra cost) ☐ FAX ☐ EMAIL ☐ 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	

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: **MB**	SampType: **MBLK**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **PBW**	Batch ID: **R102664**	RunNo: **102664**							
Prep Date:	Analysis Date: **1/24/2024**	SeqNo: **3792696**	Units: **mg/L**						
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: **LCS**	SampType: **LCS**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **LCSW**	Batch ID: **R102664**	RunNo: **102664**							
Prep Date:	Analysis Date: **1/24/2024**	SeqNo: **3792697**	Units: **mg/L**						
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: **MB**	SampType: **MBLK**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **PBW**	Batch ID: **R102698**	RunNo: **102698**							
Prep Date:	Analysis Date: **1/25/2024**	SeqNo: **3794823**	Units: **mg/L**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	0.50								

Sample ID: **LCS**	SampType: **LCS**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **LCSW**	Batch ID: **R102698**	RunNo: **102698**							
Prep Date:	Analysis Date: **1/25/2024**	SeqNo: **3794825**	Units: **mg/L**						
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 Quanitative 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: **MB-80163**	SampType: **MBLK**	TestCode: **EPA Method 8081: PESTICIDES**
Client ID: **PBW**	Batch ID: **80163**	RunNo: **102904**
Prep Date: **1/30/2024**	Analysis Date: **2/5/2024**	SeqNo: **3802479** Units: **µg/L**

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: **LCS-80163**	SampType: **LCS**	TestCode: **EPA Method 8081: PESTICIDES**
Client ID: **LCSW**	Batch ID: **80163**	RunNo: **102904**
Prep Date: **1/30/2024**	Analysis Date: **2/5/2024**	SeqNo: **3802480** Units: **%Rec**

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: **LCSD-80163**	SampType: **LCSD**	TestCode: **EPA Method 8081: PESTICIDES**
Client ID: **LCSS02**	Batch ID: **80163**	RunNo: **102904**
Prep Date: **1/30/2024**	Analysis Date: **2/5/2024**	SeqNo: **3802481** Units: **%Rec**

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: **MB-80163**	SampType: **MBLK**	TestCode: **EPA Method 8081: PESTICIDES**
Client ID: **PBW**	Batch ID: **80163**	RunNo: **102904**
Prep Date: **1/30/2024**	Analysis Date: **2/5/2024**	SeqNo: **3802483** Units: **µg/L**

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: **LCS-80163**	SampType: **LCS**	TestCode: **EPA Method 8081: PESTICIDES**
Client ID: **LCSW**	Batch ID: **80163**	RunNo: **102904**
Prep Date: **1/30/2024**	Analysis Date: **2/5/2024**	SeqNo: **3802484** Units: **%Rec**

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 Quanitative 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: **LCSD-80163**	SampType: **LCSD**	TestCode: **EPA Method 8081: PESTICIDES**
Client ID: **LCSS02**	Batch ID: **80163**	RunNo: **102904**
Prep Date: **1/30/2024**	Analysis Date: **2/5/2024**	SeqNo: **3802485** Units: **%Rec**

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:

*	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 Quanitative 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: **100ng lcs** SampType: **LCS** TestCode: **TCLP Volatiles by 8260B**

Client ID: **LCSW** Batch ID: **T102870** RunNo: **102870**

Prep Date: Analysis Date: **2/5/2024** SeqNo: **3802027** Units: **mg/L**

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: **MB** SampType: **MBLK** TestCode: **TCLP Volatiles by 8260B**

Client ID: **PBW** Batch ID: **T102870** RunNo: **102870**

Prep Date: Analysis Date: **2/5/2024** SeqNo: **3802028** Units: **mg/L**

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:

*	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 Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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: **LCS-80122**	SampType: **LCS**	TestCode: **EPA Method 8270C TCLP**
Client ID: **LCSW**	Batch ID: **80122**	RunNo: **102859**
Prep Date: **1/29/2024**	Analysis Date: **2/1/2024**	SeqNo: **3801995** Units: **mg/L**

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: **MB-80122**	SampType: **MBLK**	TestCode: **EPA Method 8270C TCLP**
Client ID: **PBW**	Batch ID: **80122**	RunNo: **102859**
Prep Date: **1/29/2024**	Analysis Date: **2/1/2024**	SeqNo: **3802016** Units: **mg/L**

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:

*	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 Quanitative 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: **MB-80122**	SampType: **MBLK**	TestCode: **EPA Method 8270C TCLP**							
Client ID: **PBW**	Batch ID: **80122**	RunNo: **102859**							
Prep Date: **1/29/2024**	Analysis Date: **2/1/2024**	SeqNo: **3802016**	Units: **mg/L**						
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:

*	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 Quanitative 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:	**2401951-001CDUP**	SampType:	**dup**	TestCode:	**SM2510B: Specific Conductance**
Client ID:	**Injection Well**	Batch ID:	**R102779**	RunNo:	**102779**
Prep Date:		Analysis Date:	**1/30/2024**	SeqNo:	**3797590** Units: **µmhos/cm**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Conductivity	3000	10						1.06	20	

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 Quanitative 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: **MB-80111**	SampType: **MBLK**	TestCode: **EPA Method 7470A: Mercury**
Client ID: **PBW**	Batch ID: **80111**	RunNo: **102710**
Prep Date: **1/26/2024**	Analysis Date: **1/26/2024**	SeqNo: **3795158** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	ND	0.00020								

Sample ID: **LCSLL-80111**	SampType: **LCSLL**	TestCode: **EPA Method 7470A: Mercury**
Client ID: **BatchQC**	Batch ID: **80111**	RunNo: **102710**
Prep Date: **1/26/2024**	Analysis Date: **1/26/2024**	SeqNo: **3795159** Units: **mg/L**

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: **LCS-80111**	SampType: **LCS**	TestCode: **EPA Method 7470A: Mercury**
Client ID: **LCSW**	Batch ID: **80111**	RunNo: **102710**
Prep Date: **1/26/2024**	Analysis Date: **1/26/2024**	SeqNo: **3795160** Units: **mg/L**

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: **2401951-001EMS**	SampType: **MS**	TestCode: **EPA Method 7470A: Mercury**
Client ID: **Injection Well**	Batch ID: **80111**	RunNo: **102710**
Prep Date: **1/26/2024**	Analysis Date: **1/26/2024**	SeqNo: **3795167** Units: **mg/L**

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: **2401951-001EMSD**	SampType: **MSD**	TestCode: **EPA Method 7470A: Mercury**
Client ID: **Injection Well**	Batch ID: **80111**	RunNo: **102710**
Prep Date: **1/26/2024**	Analysis Date: **1/26/2024**	SeqNo: **3795168** Units: **mg/L**

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:

*	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 Quanitative 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: **MB-A**	SampType: **MBLK**	TestCode: **EPA Method 6010B: Dissolved Metals**
Client ID: **PBW**	Batch ID: **A102708**	RunNo: **102708**
Prep Date:	Analysis Date: **1/26/2024**	SeqNo: **3795079** Units: **mg/L**

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: **LCS_CAT-A**	SampType: **LCS**	TestCode: **EPA Method 6010B: Dissolved Metals**
Client ID: **LCSW**	Batch ID: **A102708**	RunNo: **102708**
Prep Date:	Analysis Date: **1/26/2024**	SeqNo: **3795082** Units: **mg/L**

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: **2401951-001DMS**	SampType: **MS**	TestCode: **EPA Method 6010B: Dissolved Metals**
Client ID: **Injection Well**	Batch ID: **A102708**	RunNo: **102708**
Prep Date:	Analysis Date: **1/26/2024**	SeqNo: **3795095** Units: **mg/L**

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: **2401951-001DMSD**	SampType: **MSD**	TestCode: **EPA Method 6010B: Dissolved Metals**
Client ID: **Injection Well**	Batch ID: **A102708**	RunNo: **102708**
Prep Date:	Analysis Date: **1/26/2024**	SeqNo: **3795096** Units: **mg/L**

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:

*	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 Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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: **MB-80091**	SampType: **MBLK**	TestCode: **EPA 6010B: Total Metals**
Client ID: **PBW**	Batch ID: **80091**	RunNo: **102708**
Prep Date: **1/25/2024**	Analysis Date: **1/26/2024**	SeqNo: **3795083** Units: **mg/L**

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: **LCS-80091**	SampType: **LCS**	TestCode: **EPA 6010B: Total Metals**
Client ID: **LCSW**	Batch ID: **80091**	RunNo: **102708**
Prep Date: **1/25/2024**	Analysis Date: **1/26/2024**	SeqNo: **3795085** Units: **mg/L**

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: **2401951-001EMS**	SampType: **MS**	TestCode: **EPA 6010B: Total Metals**
Client ID: **Injection Well**	Batch ID: **80091**	RunNo: **102708**
Prep Date: **1/25/2024**	Analysis Date: **1/26/2024**	SeqNo: **3795087** Units: **mg/L**

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: **2401951-001EMSD**	SampType: **MSD**	TestCode: **EPA 6010B: Total Metals**
Client ID: **Injection Well**	Batch ID: **80091**	RunNo: **102708**
Prep Date: **1/25/2024**	Analysis Date: **1/26/2024**	SeqNo: **3795088** Units: **mg/L**

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: **MB-80091**	SampType: **MBLK**	TestCode: **EPA 6010B: Total Metals**
Client ID: **PBW**	Batch ID: **80091**	RunNo: **102708**
Prep Date: **1/25/2024**	Analysis Date: **1/26/2024**	SeqNo: **3795106** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Silver	ND	0.0050								

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 Quanitative 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: **LCS-80091**	SampType: **LCS**	TestCode: **EPA 6010B: Total Metals**
Client ID: **LCSW**	Batch ID: **80091**	RunNo: **102708**
Prep Date: **1/25/2024**	Analysis Date: **1/26/2024**	SeqNo: **3795108** Units: **mg/L**

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: **2401951-001EMS**	SampType: **MS**	TestCode: **EPA 6010B: Total Metals**
Client ID: **Injection Well**	Batch ID: **80091**	RunNo: **102708**
Prep Date: **1/25/2024**	Analysis Date: **1/26/2024**	SeqNo: **3795110** Units: **mg/L**

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: **2401951-001EMSD**	SampType: **MSD**	TestCode: **EPA 6010B: Total Metals**
Client ID: **Injection Well**	Batch ID: **80091**	RunNo: **102708**
Prep Date: **1/25/2024**	Analysis Date: **1/26/2024**	SeqNo: **3795111** Units: **mg/L**

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:

*	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 Quanitative 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: **2401982-001CDUP**	SampType: **dup**	TestCode: **SM4500-H+B / 9040C: pH**
Client ID: **BatchQC**	Batch ID: **R102693**	RunNo: **102693**
Prep Date:	Analysis Date: **1/25/2024**	SeqNo: **3794460** Units: **pH units**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
pH	7.90									

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

Sample ID: **LCS-1 Alk**	SampType: **lcs**	TestCode: **SM2320B: Alkalinity**							
Client ID: **LCSW**	Batch ID: **R102693**	RunNo: **102693**							
Prep Date:	Analysis Date: **1/25/2024**	SeqNo: **3794497**	Units: **mg/L CaCO3**						
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: **MB-2 alk**	SampType: **mblk**	TestCode: **SM2320B: Alkalinity**							
Client ID: **PBW**	Batch ID: **R102693**	RunNo: **102693**							
Prep Date:	Analysis Date: **1/25/2024**	SeqNo: **3794533**	Units: **mg/L CaCO3**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Alkalinity (as CaCO3)	ND	20.00								

Sample ID: **LCS-2 alk**	SampType: **lcs**	TestCode: **SM2320B: Alkalinity**							
Client ID: **LCSW**	Batch ID: **R102693**	RunNo: **102693**							
Prep Date:	Analysis Date: **1/25/2024**	SeqNo: **3794535**	Units: **mg/L CaCO3**						
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: **2401982-001CDUP**	SampType: **dup**	TestCode: **SM2320B: Alkalinity**							
Client ID: **BatchQC**	Batch ID: **R102693**	RunNo: **102693**							
Prep Date:	Analysis Date: **1/25/2024**	SeqNo: **3794541**	Units: **mg/L CaCO3**						
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:

*	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 Quanitative 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: **2401951-001CDUP**	SampType: **DUP**		TestCode: **Specific Gravity**		
Client ID: **Injection Well**	Batch ID: **R102732**		RunNo: **102732**		
Prep Date:	Analysis Date: **1/29/2024**		SeqNo: **3796015**	Units:	

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Specific Gravity	0.9989	0						0.175	20	

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 Quanitative 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: **MB-80124**	SampType: **MBLK**	TestCode: **SM2540C MOD: Total Dissolved Solids**
Client ID: **PBW**	Batch ID: **80124**	RunNo: **102772**
Prep Date: **1/29/2024**	Analysis Date: **1/31/2024**	SeqNo: **3797252** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	ND	50.0								

Sample ID: **LCS-80124**	SampType: **LCS**	TestCode: **SM2540C MOD: Total Dissolved Solids**
Client ID: **LCSW**	Batch ID: **80124**	RunNo: **102772**
Prep Date: **1/29/2024**	Analysis Date: **1/31/2024**	SeqNo: **3797253** Units: **mg/L**

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:

*	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 Quanitative 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

eurofins | Environment Testing

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

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 ☒ 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? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
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? (If no, notify customer for authorization.)	Yes ☑	No ☐	

# of preserved bottles checked for pH: 2 : 2 (<2 or >12 unless noted)

Adjusted? NO

Checked by: 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 ~0.4mL of HNO3 (7342) for -001D for pH<2

1/24/24

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	2.2	Good	Yes	Yogi		

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

QA/QC Package:

X Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance ☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:

X Standard ☐ Rush

Project Name: Injection Well January 2024

Project #: PO # 4900110659

Project Manager: Gary Russell

Sampler:

On Ice: ☒ Yes ☐ No 40g

# of Coolers: 1

Cooler Temp(including CF): 2.3-0.1=2.2

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2401951	pH, Specific gravity	C/A Balance Dissolved	RCI and ORP	RCRA 8 Metals	Chlordane only by 8081	8260 TCLP list + TEX	8270 TCLP List
1/23/24	8:30	H_2O	Injection Well	500ml P	none		x						
				1 - 125ml P 1 - 500ml P	none			x						
				3-500ml P	1- unpres, 1-NaOH, 1-NaOH/ZnAc				x				
				250ml P	HNO3					x			
				1L Amber G	none						x		
				3-40ml VOAs	HCL							x	
				1L Anmer	none								x

Analysis Request

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
1/23/24	12:44				1/23/24	1244
1/23/24	1743			courier	1/24/24	7:15

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.

Attachment D

Quarterly Operational Log

Attachment D

Quarterly Operational Log

Attachment D
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

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
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
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

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
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
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

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
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
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

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
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
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

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
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
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

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
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
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

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
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
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

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
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
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

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
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
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

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
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
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

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
1/14/24 16:30		-1	469	216448
1/14/24 17:00		-1	469	216448
1/14/24 17:30		-1	469	
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
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

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
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
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

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
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
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

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
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
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

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
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
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

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
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
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

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
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
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

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
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
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

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
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
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

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
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
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

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
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
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

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
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
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

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
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
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

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
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
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

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
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
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

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
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
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

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
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
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

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
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
2/6/24 3:30		-1	470	216680
2/6/24 4:00		-1	469	216680

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
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

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
2/8/24 16:30		-1	469	216680
2/8/24 17:00		-1	469	216680
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

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
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
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

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
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
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

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
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
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

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
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
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

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
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
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

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
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
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

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
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
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2/17/24 18:00		-1	466	216680
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
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2/18/24 7:00		-1	466	216680
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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

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
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
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

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
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
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

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
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
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
2/21/24 19:30		-1	465	216680
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
2/22/24 3:30		-1	465	216680
2/22/24 4:00		-1	465	216680
2/22/24 4:30		-1	465	216680
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

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
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
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

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
2/23/24 16:30		-1	465	216680
2/23/24 17:00		-1	465	216680
2/23/24 17:30		-1	465	216680
2/23/24 18:00		-1	465	216680
2/23/24 18:30		-1	465	216680
2/23/24 19:00		-1	465	216680
2/23/24 19:30		-1	464	216680
2/23/24 20:00		-1	464	216680
2/23/24 20:30		-1	465	216680
2/23/24 21:00		-1	465	216680
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
2/24/24 2:30		-1	465	216680
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
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

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
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
2/25/24 1:30		1	465	216680
2/25/24 2:00		1	465	216680
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
2/25/24 9:30		-1	465	216680
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
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
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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

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
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
2/26/24 10:00		1	465	216680
2/26/24 10:30		1	465	216680
2/26/24 11:00		1	465	216680
2/26/24 11:30		1	465	216680
2/26/24 12:00		1	465	216680
2/26/24 12:30		1	465	216680
2/26/24 13:00		1	465	216680
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
2/26/24 16:30		1	465	216680
2/26/24 17:00		1	464	216680
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
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

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
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
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

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
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
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

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
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
3/1/24 5:30		-1	464	216680
3/1/24 6:00		-1	464	216680
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
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

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
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
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

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
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
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

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
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
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

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
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
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

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
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
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

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
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
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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
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

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
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
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
3/10/24 20:30		3	462	216680
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

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
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
3/11/24 1:30		2	462	216680
3/11/24 2:00		2	462	216680
3/11/24 2:30		2	462	216680
3/11/24 3:00		2	462	216680
3/11/24 3:30		2	462	216680
3/11/24 4:00		2	462	216680
3/11/24 4:30		2	462	216680
3/11/24 5:00		2	462	216680
3/11/24 5:30		2	462	216680
3/11/24 6:00		2	462	216680
3/11/24 6:30		2	462	216680
3/11/24 7:00		2	462	216680
3/11/24 7:30		2	462	216680
3/11/24 8:00		2	462	216680
3/11/24 8:30		2	462	216680
3/11/24 9:00		2	462	216680
3/11/24 9:30		2	462	216680
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
3/11/24 12:30		2	463	216680
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
3/11/24 17:30		3	462	216680
3/11/24 18:00		3	462	216680
3/11/24 18:30		3	462	216680
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
3/11/24 22:30		3	462	216680
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
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
3/12/24 4:00		3	462	216680
3/12/24 4:30		3	462	216680
3/12/24 5:00		3	462	216680

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
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
3/12/24 20:00		3	462	216680
3/12/24 20:30		3	462	216680
3/12/24 21:00		3	462	216680
3/12/24 21:30		3	462	216680
3/12/24 22:00		3	462	216680
3/12/24 22:30		3	462	216680
3/12/24 23:00		3	462	216680
3/12/24 23:30		3	462	216680
3/13/24 0:00		3	462	216680
3/13/24 0:30		3	462	216680
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
3/13/24 5:30		3	462	216680
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
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

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
3/13/24 11:30		3	462	216680
3/13/24 12:00		3	462	216680
3/13/24 12:30		3	462	216680
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
3/13/24 17:30		3	462	216680
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
3/14/24 4:30		2	462	216680
3/14/24 5:00		2	462	216680
3/14/24 5:30		2	462	216680
3/14/24 6:00		2	462	216680
3/14/24 6:30		2	462	216680
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
3/14/24 12:00		2	462	216680
3/14/24 12:30		2	462	216680
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
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

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
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
3/15/24 11:30		3	462	216680
3/15/24 12:00		3	462	216680
3/15/24 12:30		3	462	216680
3/15/24 13:00		3	462	216680
3/15/24 13:30		3	462	216680
3/15/24 14:00		3	462	216680
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
3/15/24 19:30		3	461	216680
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
3/15/24 22:30		3	462	216680
3/15/24 23:00		3	462	216680

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
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
3/18/24 2:30		3	461	216680
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3/18/24 3:30		3	461	216680
3/18/24 4:00		3	461	216680
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3/18/24 5:30		3	461	216680
3/18/24 6:00		3	461	216680
3/18/24 6:30		3	461	216680
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

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
3/18/24 11:30		3	462	216680
3/18/24 12:00		3	462	216680
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
3/18/24 18:30		4	461	216680
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
3/19/24 5:30		3	461	216680
3/19/24 6:00		3	461	216680
3/19/24 6:30		3	461	216680
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
3/19/24 11:30		3	462	216680
3/19/24 12:00		3	461	216680
3/19/24 12:30		3	461	216680
3/19/24 13:00		3	461	216680
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

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
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
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
3/20/24 0:30		3	461	216680
3/20/24 1:00		3	461	216680
3/20/24 1:30		3	461	216680
3/20/24 2:00		3	461	216680
3/20/24 2:30		3	461	216680
3/20/24 3:00		3	461	216680
3/20/24 3:30		3	461	216680
3/20/24 4:00		3	461	216680
3/20/24 4:30		3	461	216680
3/20/24 5:00		3	461	216680
3/20/24 5:30		3	461	216680
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
3/20/24 11:30		3	461	216680
3/20/24 12:00		3	461	216680
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3/20/24 13:30		4	461	216680
3/20/24 14:00		4	461	216680
3/20/24 14:30		4	461	216680
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

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
3/20/24 23:30		4	461	216680
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
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
3/21/24 4:30		4	461	216680
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
3/21/24 21:30		4	461	216680
3/21/24 22:00		4	461	216680
3/21/24 22:30		4	461	216680
3/21/24 23:00		4	461	216680
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

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
3/22/24 5:30		4	461	216680
3/22/24 6:00		4	461	216680
3/22/24 6:30		4	461	216680
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
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
3/23/24 5:30		4	461	216680
3/23/24 6:00		4	461	216680
3/23/24 6:30		4	461	216680
3/23/24 7:00		4	461	216680
3/23/24 7:30		4	461	216680
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

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
3/23/24 11:30		4	461	216680
3/23/24 12:00		4	461	216680
3/23/24 12:30		4	461	216680
3/23/24 13:00		4	461	216680
3/23/24 13:30		4	461	216680
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
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
3/24/24 4:00		4	461	216680
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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
3/24/24 13:00		4	461	216680
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

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
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
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
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3/25/24 5:00		4	460	216680
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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
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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

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
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
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
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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

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
3/27/24 5:30		4	460	216680
3/27/24 6:00		4	460	216680
3/27/24 6:30		4	460	216680
3/27/24 7:00		4	460	216680
3/27/24 7:30		4	460	216680
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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

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
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
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3/28/24 14:00		5	460	216680
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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

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
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
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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

Date	Flow Rate (gpm)	Casing Pressure (psi)	Injection Pressure (psi)	Totalizer (barrels)
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
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3/31/24 23:30		5	460	216680

ATTACHMENT E

Groundwater Monitoring Well Data

Summary & Evaluation

Monitoring Well Information

The following groundwater monitoring activities and evaluation from Bloomfield Products Terminal is based on the information gathered from laboratory sample analytical data and the network of historical groundwater monitoring well data within the vicinity of WDW #2 to include upgradient and downgradient data points. Additional operational testing data and any significant activities are included in this summary.

Monitoring Activities

WDW #2 is a positive pressure injection well located within the eastern portion of the Bloomfield Products Terminal, north of County Road 4990. Groundwater sampling, gauging, and field monitoring activities are conducted quarterly, semiannually, or annually pursuant to the requirements outlined in Permit Conditions 2.F and 2.A of the Discharge Permit GW-001 and/or as agreed upon based on communications with OCD staff. Based on the groundwater contours in this area, groundwater flow within the uppermost water-bearing unit (i.e., Jackson Lake Terrace Formation) flows primarily in the northwest direction. Using the groundwater monitoring network of wells, Monitoring Well (MW)-52 and MW-78 represent the closest monitoring locations upstream and downstream of WDW #2, respectively.

Groundwater Elevation

The semiannual depth-to-groundwater measurements were not collected during this report period. Updated measurements will be collected and reported in the next report period.

Chloride Concentrations

Chloride concentrations detected in the January 2024 wastewater sample from WDW #2 was found to be above the New Mexico WQCC screening level of 250 mg/L. The January 2024 analytical result indicated a chloride concentration of 670 mg/L. (Refer to Attachment B for the Analytical Summary and Attachment C for the laboratory report.) The WQCC chloride screening level is to apply to the dissolved phase result, and therefore the comparison to these total chloride results indicates a high bias.

The upper-most water-bearing unit at Bloomfield Products Terminal has demonstrated a wide variability in chloride concentrations over the years. Adjacent upstream monitoring wells MW-52 and MW-53 have historically shown to contain elevated chloride concentrations. For example, MW-52 located approximately 250 feet upgradient of the recently installed MW-78 has historically had chloride concentrations averaging 604 mg/L. The average chloride concentration in MW-78 since March 2022 is 223 mg/L. This result demonstrates the natural variability in chloride concentrations in the upper-most water-bearing unit at Bloomfield Products Terminal that have been present prior to the installation of WDW #2. (See Chloride and Sulfate Analytical Table below.)

Sulfate Concentrations

Sulfate concentrations detected in the January 2024 wastewater sample from WDW #2 was found to be below the New Mexico WQCC standard of 600 mg/L. The January 2024 analytical result indicated a sulfate concentration of 110 mg/L. (Refer to Attachment B for the Analytical Summary and Attachment C for the laboratory report.) Historical sulfate concentrations detected at adjacent upstream monitoring wells MW-52, MW-53, and downstream monitoring well MW-78 have typically been above the WQCC standard concentration of 600 mg/L. For example, MW-52 located approximately 250 feet upgradient of WDW #2 has varied between a low concentration of 120 mg/L and a high concentration of 1700 mg/L between 2016 and 2023. (Refer to the Chloride & Sulfate Analytical Table below.) Concentrations of sulfates detected at samples collected from the wastewaters injected into WDW #2 have been consistently well below the WQCC standard (between 6% and 14.5% below).

The following Chloride & Sulfate Analytical Table includes the most recent chloride and sulfate analytical data collected and includes (for reference) several historical data points from the monitoring wells within the vicinity of WDW #2 dating back to 2013.

Chloride & Sulfate Analytical Table (mg/L)

Well ID	Date	Chloride	Sulfate
Upstream of WDW #2			
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
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
Downstream of WDW #2			
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	**	**
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

Well ID	Date	Chloride	Sulfate
Injection Well			
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

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

** Groundwater elevation was too low to sample.

TDS Concentrations

The Total Dissolved Solids (TDS) detected in the wastewaters injected into WDW #2 were above the New Mexico WQCC standard of 1000 mg/L. The January 2024 analytical results for samples collected at WDW #2 indicated a TDS concentration of 1610 mg/L. 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.

Results Summary

The very consistent historical groundwater elevation gradient across the Bloomfield Products Terminal indicates that WDW #2 operations has not had an impact on the groundwater elevations or hydraulic gradient.

Chloride concentrations detected in the January 2024 wastewater sample from WDW #2 was found to be 670 mg/L, which is above the New Mexico WQCC screening level of 250 mg/L. The WQCC chloride screening level is to apply to the dissolved phase result, and therefore the comparison to these total chloride results indicates a high bias. Sulfate concentrations detected in the January 2024 wastewater sample from WDW #2 was found to be 110 mg/L, which is below the New Mexico WQCC standard of 600 mg/L. Concentrations of chlorides and sulfides detected in the monitoring wells upstream and downstream of WDW #2 have demonstrated a wide variability in concentrations over the years.

A comparison of the variability in general chemistry concentrations found in the monitoring wells upstream and downstream of WDW #2 to the wastewater sample results collected at WDW #2 shows there is no indication that the waters from the injection well have impacted the shallow water-bearing aquifer that is the uppermost water-bearing unit. The data from the analysis of the upstream monitoring wells show elevated concentrations of both chloride and sulfate originating hydrogeologically upgradient of WDW #2.

Well Testing Operations & Significant Activities

No significant activities were performed in the report period.

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

COMMENTS

Action 400116

COMMENTS

Operator: Western Refining Southwest LLC 539 South Main Street Findlay, OH 45840	OGRID: 267595
	Action Number: 400116
	Action Type: [UF-DP] Discharge Permit (DISCHARGE PERMIT)

COMMENTS

Created By	Comment	Comment Date
cchavez	FY24 Q2 Quarterly Report Revised Note: Any exceedances to WQCC Chemical Standards generally require a re-test at laboratory.	11/6/2024

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
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Energy, Minerals and Natural Resources
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Santa Fe, NM 87505

CONDITIONS

Action 400116

CONDITIONS

Operator: Western Refining Southwest LLC 539 South Main Street Findlay, OH 45840	OGRID: 267595
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	Action Type: [UF-DP] Discharge Permit (DISCHARGE PERMIT)

CONDITIONS

Created By	Condition	Condition Date
cchavez	See Comments.	11/6/2024