REVIEWED

By Nelson Velez at 1:39 pm, Oct 05, 2022

1. Continue sampling on a semi-annual

2. OCD pre-approves eliminating BTEX &

sulfate analyses from MW#2 & MW #3 this

3. Submit summarized activities completed

4. OCD requires an abatement option(s) be

submitted for pre-approval no later than June 30, 2022 to accelerate the reduction in the current chloride & TDS levels found in all

site monitor wells or provide substantiate

evidence of another source area being the

cause or contributing to the elevated levels. OCD suggest arranging a meeting to discuss an alternative method(s) in order to mitigate

and their results in a 2021 Annual Report. Submittal to OCD expected no later than

schedule at a minimum

point forward

March 31,2022

the elevated values.

RICE Operating Company Review of 2020 Annual Groundwater Report: Content satisfactory

112 West Taylor • Hobbs, New Mexico 88240 Phone: (575) 393-9174 • Fax: (575) 397-1471

April 1, 2022

Bradford Billings

Environmental Bureau, Oil Conservation Division New Mexico Energy, Minerals, & Natural Resources Department 1220 S. St. Francis Drive Santa Fe, New Mexico 87505

RE: 2021 Annual Groundwater Report Rice Operating Company – BD SWD System BD Jct. N-20 (1R426-215): UL/N, Sec. 20, T21S, R37E

Mr. Billings:

ROC is the service provider (agent) for the BD SWD System and has no ownership of any portion of the pipeline, well, or facility. The system is owned by a consortium of oil producers, System Parties, who provide all operating capital on a percentage ownership/usage basis.

Background and Previous Work

The site is located approximately 2 miles northwest of Eunice, New Mexico at UL/N, Sec. 20, T21S, R37E as shown on the Geographical Location Map. Groundwater sampling at the site indicated the depth to groundwater is approximately 99 feet below ground surface (bgs).

An Investigation and Characterization Plan (ICP) was submitted to NMOCD on August 5th, 2013 and approved on August 21st, 2013. According to the ICP, the site was investigated through soil bore installation resulting in elevated chloride concentrations that decreased with depth. Based on the soil bore installation, a Corrective Action Plan (CAP) was submitted and approved by NMOCD on October 30th, 2013. According to the NMOCD approved CAP, a 71x103-ft, 20-mil reinforced liner was installed and properly seated at 4.5 ft bgs. The site was backfilled and seeded with a blend of native vegetation. A CAP Report and Soil Closure Request detailing this work was submitted to the NMOCD on August 1st, 2014. The report also requested a near-source monitor well (MW-1) and an up-gradient well (MW-2) to determine groundwater quality. NMOCD approved this report and granted 'Soil Closure' on September 18th, 2014.

On May 14th, 2015, MW-1 was installed, and lithology soil samples were collected at regular intervals. The up-gradient well (MW-2) was installed November 15th, 2019 and the down-gradient well (MW-3) was installed on December 20th, 2019. The wells have been sampled regularly since installation. The most recent sampling event resulted in a chloride concentration of 4,600 mg/L in MW-1, 1,400 mg/L in MW-2, and 880 mg/L in MW-3. BTEX concentrations have remained below detectable limit in each well since installation. The samples collected from the up-gradient well (MW-2) suggests a non-ROC, up-gradient source has contributed to the degradation of groundwater quality. ROC will continue quarterly sampling in 2022.

Attached is the Appendix, which contains:

- 1. A Geographical Location Map.
- 2. A map showing well locations.
- 3. A table presenting all laboratory results and depth to groundwater for each well at the site, and a graph showing recent laboratory results.
- 4. The laboratory analytical results for 2021.

Rice Operating Company appreciates the opportunity to work with you on this project. Please contact me at (575) 393-9174 or Edward Hansen at (505) 920-4965 if you have any questions or wish to further discuss this site. Thank you for your time and consideration.

Sincerely,

Katil Davis

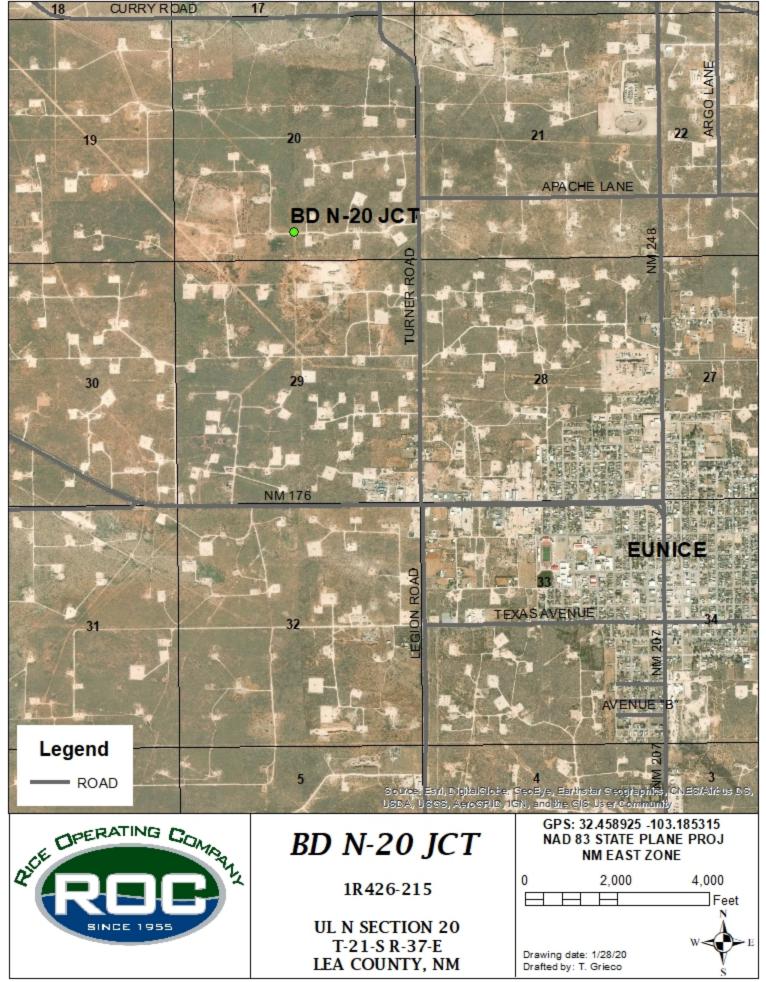
Katie Davis Environmental Manager RICE Operating Company (ROC)

Cc – Edward J. Hansen (ROC)

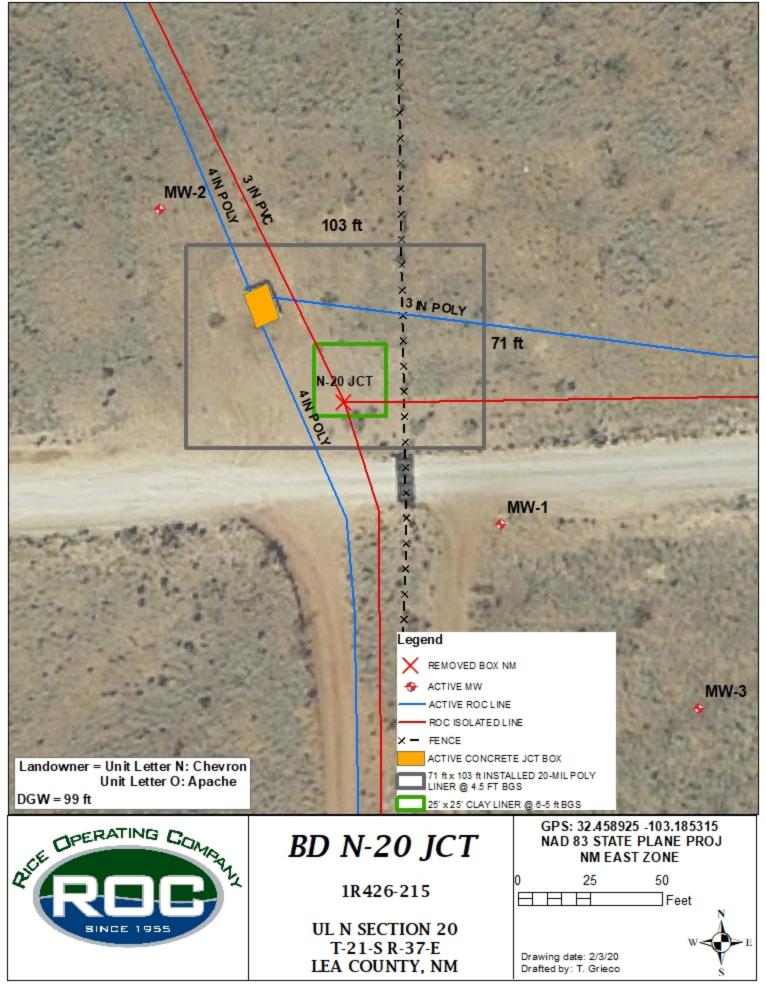
appendix

Received by OCD: 3/15/2022 2:29:10 Ceographical Location Map

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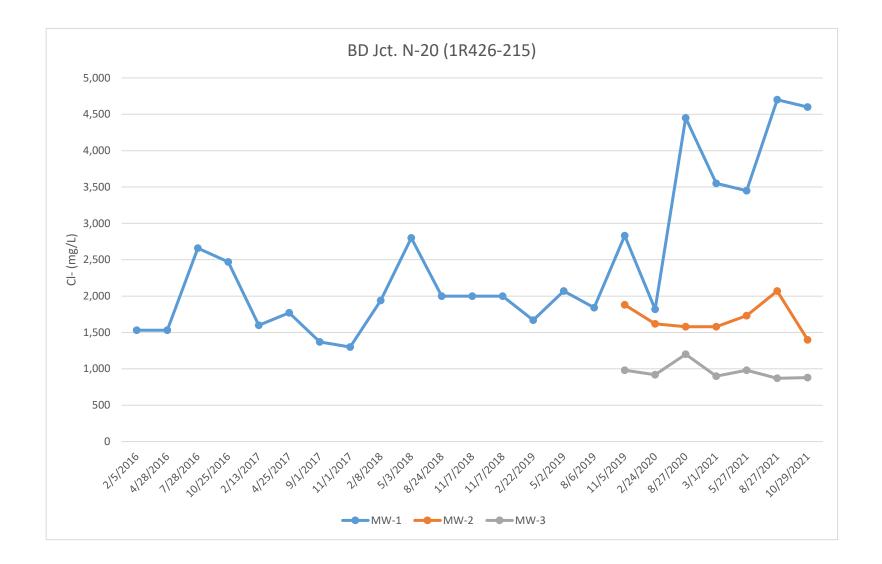
ROC - BD Jct. N-20 (1R426-215) Unit Letter N, Section 20, T21S, R37E

MW	Depth to Water	Total Depth	Well Volume	Volume Purged	Sample Date	Cl	TDS	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Sulfate	Comments
1	100.09	146.9	30.4	100	6/22/2015	640	2,600	<0.001	<0.001	<0.001	<0.003	240	Clear No odor
1	100.03	146.9	30.34	100	8/7/2015	1,100		<0.001	<0.001	<0.001	<0.003	112	Clear No odor
1	100.23	146.9	30.34	100			3,740	<0.001	<0.001	<0.001	<0.003	94	Clear No odor
1	100.22	146.9	30.34	100		1,530		<0.001	<0.001	<0.001	<0.003	85	Clear No odor
					2/5/2016	-	-						ł – – – – – – – – – – – – – – – – – – –
1	100.14	146.9	30.4	100	4/28/2016		3,050	< 0.001	<0.001	< 0.001	<0.003	240	Clear No odor
1	100.21	146.9	30	100	7/28/2016	2,660	-	< 0.001	<0.001	< 0.001	<0.003	16	Clear No odor
1	100.07	146.9	30	100	10/25/2016			<0.001	<0.001	<0.001	<0.003	18	Clear No odor
1	100.04	146.9	30.5	100	2/13/2017	1,600		<0.001	<0.001	<0.001	<0.003	38	Clear No odor
1	99.95	146.9	30.5	100	4/25/2017	1,770	3,160	<0.001	<0.001	<0.001	<0.003	67	Clear No odor
1	99.94	146.9	30.5	100	9/1/2017	1,370	3,170	<0.001	<0.001	<0.001	<0.003	198	Clear No odor
1	99.93	146.9	30.5	100	11/1/2017	1,300	2,780	<0.001	<0.001	<0.001	<0.003	272	Clear No odor
1	99.94	146.9	30.5	100	2/8/2018	1,940	3,310	<0.001	<0.001	<0.001	<0.003	119	Clear No odor
1	100.02	146.9	30.5	100	5/3/2018	2,800	4,850	< 0.001	<0.001	<0.001	<0.003	110	Clear No odor
1	100.03	146.9	30.5	100	8/24/2018	2,000	5,040	<0.001	<0.001	<0.001	<0.003	107	Clear No odor
1	100.01	146.9	30.5	100	11/7/2018	2,000	3,510	<0.001	<0.001	<0.001	<0.003	110	Clear No odor
1	100.02	146.9	30.5	100	2/22/2019	1,670	2,740	< 0.001	<0.001	<0.001	<0.003	140	Clear No odor
1	100.03	146.9	30.5	100	5/2/2019	2,070	3,370	< 0.001	<0.001	<0.001	<0.003	107	Clear No odor
1	100.01	146.9	30.5	100	8/6/2019	1,840	4,240	<0.001	<0.001	<0.001	<0.003	111	Clear No odor
1	100.09	146.9	30	100	11/5/2019	2,830	5,240	<0.001	<0.001	<0.001	<0.003	127	Clear No odor
1	100.1	146.9	30.4	100	2/24/2020	1,820	3,050	<0.001	<0.001	<0.001	<0.003	113	Clear No odor
1	110.16	146.9	23.9	100	8/27/2020	4,450	6,960	< 0.001	<0.001	<0.001	<0.003	77.6	Clear No odor
1	100.18	146.9	30	100	3/1/2021	3,550	6,180	<0.001	<0.001	<0.001	<0.003	148	Clear No odor
1	100.19	146.9	30	100	5/27/2021	3,450	6,640	<0.001	<0.001	<0.001	<0.003	168	Clear No odor
1	100.18	146.9	30	100	8/27/2021	4,700	8,690	<0.001	<0.001	<0.001	<0.003	125	Clear No odor
1	100.14	146.9	30	100	10/29/2021	4,600	7,970	<0.001	<0.001	<0.001	<0.003	122	Clear No odor

ROC - BD Jct. N-20 (1R426-215) Unit Letter N, Section 20, T21S, R37E

MW	Depth to Water	Total Depth	Well Volume	Volume Purged	Sample Date	Cl	TDS	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Sulfate	Comments
2	99.96	116.4	2.6	10	12/23/2019	1,880	3,420	<0.001	<0.001	<0.001	< 0.003	218	Clear No odor
2	99.92	116.4	2.6	10	2/24/2020	1,620	3,230	<0.001	<0.001	<0.001	<0.003	190	Clear No odor
2	99.98	116.4	2.6	10	8/27/2020	1,580	3,180	<0.001	<0.001	<0.001	<0.003	183	Clear No odor
2	99.97	116.4	2.6	10	3/1/2021	1,580	3,140	<0.001	<0.001	<0.001	<0.003	225	Clear No odor
2	100.01	116.4	2.6	10	5/27/2021	1,730	3,120	<0.001	<0.001	<0.001	<0.003	172	Clear No odor
2	100	116.4	2.6	10	8/27/2021	2,070	3,660	<0.001	<0.001	<0.001	<0.003	283	Clear No odor
2	99.96	116.4	2.6	10	10/29/2021	1,400	2,540	<0.001	<0.001	<0.001	<0.003	192	Clear No odor
MW	Depth to Water	Total Depth	Well Volume	Volume Purged	Sample Date	Cl	TDS	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Sulfate	Comments

MW	Deptilito	Total	wen	volunic	Sample Date	CL	TDS	Benzene	Toluene	Luiyi	10101	Sulfate	Comments
10100	Water	Depth	Volume	Purged	Sample Date	Ci	105	Denzene	Tolucile	Benzene	Xylenes	Sunate	comments
3	99.12	116.35	2.8	10	12/23/2019	980	1,880	<0.001	<0.001	<0.001	<0.003	152	Clear No odor
3	99.08	116.35	2.8	10	2/24/2020	920	1,800	<0.001	<0.001	<0.001	<0.003	117	Clear No odor
3	99.1	116.35	2.8	10	8/27/2020	1,200	2,560	<0.001	<0.001	<0.001	<0.003	92.1	Clear No odor
3	99.13	116.35	2.8	10	3/1/2021	900	1,890	<0.001	<0.001	<0.001	<0.003	117	Clear No odor
3	99.18	116.35	2.8	10	5/27/2021	980	1,920	<0.001	<0.001	<0.001	<0.003	103	Clear No odor
3	99.17	116.35	2.7	10	8/27/2021	870	1,850	<0.001	<0.001	<0.001	<0.003	151	Clear No odor
3	99.12	116.35	2.7	10	10/29/2021	880	1,740	<0.001	<0.001	<0.001	<0.003	126	Clear No odor





March 10, 2021

KATIE JONES Rice Operating Company 112 W. Taylor Hobbs, NM 88240

RE: BD JUNCTION N-20

Enclosed are the results of analyses for samples received by the laboratory on 03/03/21 16:55.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab_accred_certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



Rice Operating Company KATIE JONES 112 W. Taylor Hobbs NM, 88240 Fax To: (575) 397-1471

Received:	03/03/2021	Sampling Date:	03/01/2021
Reported:	03/10/2021	Sampling Type:	Water
Project Name:	BD JUNCTION N-20	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	T21S R37E SEC20 N-LEA CTY., NM		

Sample ID: MONITOR WELL #1 (H210524-01)

BTEX 8021B	mg/	L	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.001	0.001	03/08/2021	ND	0.021	106	0.0200	1.93	
Toluene*	<0.001	0.001	03/08/2021	ND	0.021	103	0.0200	2.69	
Ethylbenzene*	<0.001	0.001	03/08/2021	ND	0.021	103	0.0200	2.12	
Total Xylenes*	<0.003	0.003	03/08/2021	ND	0.064	106	0.0600	2.27	
Total BTEX	<0.006	0.006	03/08/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 %	58.2-13	3						
Chloride, SM4500Cl-B	mg/	L	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride*	3550	4.00	03/04/2021	ND	104	104	100	3.92	
Sulfate 375.4	mg/	L	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Sulfate*	148	25.0	03/04/2021	ND	20.6	103	20.0	1.66	
Sulfate* TDS 160.1	mg/	L	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
TDS*	6180	5.00	03/05/2021	ND	504	101	500	4.39	

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Rice Operating Company KATIE JONES 112 W. Taylor Hobbs NM, 88240 Fax To: (575) 397-1471

Received:	03/03/2021	Sampling Date:	03/01/2021
Reported:	03/10/2021	Sampling Type:	Water
Project Name:	BD JUNCTION N-20	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	T21S R37E SEC20 N-LEA CTY., NM		

Sample ID: MONITOR WELL #2 (H210524-02)

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Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



Rice Operating Company KATIE JONES 112 W. Taylor Hobbs NM, 88240 Fax To: (575) 397-1471

Received:	03/03/2021	Sampling Date:	03/01/2021
Reported:	03/10/2021	Sampling Type:	Water
Project Name:	BD JUNCTION N-20	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	T21S R37E SEC20 N-LEA CTY., NM		

Sample ID: MONITOR WELL #3 (H210524-03)

BTEX 8021B	mg/	L	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	< 0.001	0.001	03/08/2021	ND	0.021	106	0.0200	1.93	
Toluene*	< 0.001	0.001	03/08/2021	ND	0.021	103	0.0200	2.69	
Ethylbenzene*	< 0.001	0.001	03/08/2021	ND	0.021	103	0.0200	2.12	
Total Xylenes*	<0.003	0.003	03/08/2021	ND	0.064	106	0.0600	2.27	
Total BTEX	<0.006	0.006	03/08/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 9	58.2-13	3						
Chloride, SM4500Cl-B	mg/	L	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride*	900	4.00	03/04/2021	ND	104	104	100	3.92	
Sulfate 375.4	mg/	L	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Sulfate*	117	25.0	03/04/2021	ND	20.6	103	20.0	1.66	
TDS 160.1	mg/	L	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
TDS*	1890	5.00	03/08/2021	ND	576	115	500	1.25	

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500CI-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager

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LAB #	FIELD CODE	(G)rab or (C)omp	# CONTAINERS						(MON			ICE (1-1Liter HDPE)		_		8021B/602	BTEX 8021B/602 TDU 440 4/TV400		0 00	Ag	SS	/olati	des		8260	GC/MS Semi. Vol.	008	180	Moisture Content	Mg	Š	/ed	
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June 07, 2021

KATIE JONES Rice Operating Company 112 W. Taylor Hobbs, NM 88240

RE: BD JUNCTION N-20

Enclosed are the results of analyses for samples received by the laboratory on 06/02/21 11:55.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab_accred_certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



Rice Operating Company KATIE JONES 112 W. Taylor Hobbs NM, 88240 Fax To: (575) 397-1471

Received:	06/02/2021	Sampling Date:	05/27/2021
Reported:	06/07/2021	Sampling Type:	Water
Project Name:	BD JUNCTION N-20	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	T21S R37E SEC20 N-LEA CTY., NM		

Sample ID: MONITOR WELL #1 (H211395-01)

BTEX 8021B	mg/	L	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	< 0.001	0.001	06/03/2021	ND	0.021	103	0.0200	3.36	
Toluene*	<0.001	0.001	06/03/2021	ND	0.019	96.6	0.0200	2.52	
Ethylbenzene*	< 0.001	0.001	06/03/2021	ND	0.019	96.0	0.0200	3.47	
Total Xylenes*	<0.003	0.003	06/03/2021	ND	0.060	100	0.0600	3.73	
Total BTEX	<0.006	0.006	06/03/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	115 %	6 86.5-11	5						
Chloride, SM4500Cl-B	mg/	L	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride*	3450	4.00	06/02/2021	ND	104	104	100	3.92	
Sulfate 375.4	mg/	L	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Sulfate*	168	50.0	06/03/2021	ND	20.6	103	20.0	1.96	
TDS 160.1	mg/	L	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
TDS*									

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



Rice Operating Company KATIE JONES 112 W. Taylor Hobbs NM, 88240 Fax To: (575) 397-1471

Received:	06/02/2021	Sampling Date:	05/27/2021
Reported:	06/07/2021	Sampling Type:	Water
Project Name:	BD JUNCTION N-20	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	T21S R37E SEC20 N-LEA CTY., NM		

Sample ID: MONITOR WELL #2 (H211395-02)

BTEX 8021B	mg/	L	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.001	0.001	06/03/2021	ND	0.021	103	0.0200	3.36	
Toluene*	<0.001	0.001	06/03/2021	ND	0.019	96.6	0.0200	2.52	
Ethylbenzene*	<0.001	0.001	06/03/2021	ND	0.019	96.0	0.0200	3.47	
Total Xylenes*	<0.003	0.003	06/03/2021	ND	0.060	100	0.0600	3.73	
Total BTEX	<0.006	0.006	06/03/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 %	6 86.5-11	5						
Chloride, SM4500Cl-B	mg/	L	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride*	1730	4.00	06/02/2021	ND	104	104	100	3.92	
Sulfate 375.4	mg/	L	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Sulfate*	172	50.0	06/03/2021	ND	20.6	103	20.0	1.96	
TDS 160.1	mg/	L	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
TDS*									

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Rice Operating Company KATIE JONES 112 W. Taylor Hobbs NM, 88240 Fax To: (575) 397-1471

Received:	06/02/2021	Sampling Date:	05/27/2021
Reported:	06/07/2021	Sampling Type:	Water
Project Name:	BD JUNCTION N-20	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	T21S R37E SEC20 N-LEA CTY., NM		

Sample ID: MONITOR WELL #3 (H211395-03)

BTEX 8021B	mg/	L	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	< 0.001	0.001	06/03/2021	ND	0.021	103	0.0200	3.36	
Toluene*	< 0.001	0.001	06/03/2021	ND	0.019	96.6	0.0200	2.52	
Ethylbenzene*	< 0.001	0.001	06/03/2021	ND	0.019	96.0	0.0200	3.47	
Total Xylenes*	<0.003	0.003	06/03/2021	ND	0.060	100	0.0600	3.73	
Total BTEX	<0.006	0.006	06/03/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	115 %	6 86.5-11	5						
Chloride, SM4500Cl-B	mg/	L	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride*	980	4.00	06/02/2021	ND	104	104	100	3.92	
Sulfate 375.4	mg/	L	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Sulfate*	103	25.0	06/03/2021	ND	20.6	103	20.0	1.96	
TDS 160.1	mg/	L	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

QR-04	The RPD for the BS/BSD was outside of historical limits.
BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager

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LAB # FIELD CODE	(G)rab or (C)omp	# CONTAINERS	WATER	SOIL	AIR	SLUDGE	C	HCL (4-40ml VOA) HNO3	04		Liter HDPE)	NONE	DATE (2021)	TIME	MTBE 8021B/602	BTEX 8021B/602	TPH 418.1/TX1005 / TX1005 Extended (C35)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7 Tri b Models An As Ba Cd Cr Pb Sa Ha	CLP Volatiles	CLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol. 8260B/624	GC/MS Semi. Vol. 8	PCB's 8082/608	Pesticides 8081A/608	BOD, TSS, pH	Moisture Content		Anions (CI, SO4, C	Total Dissolved Solids	Chlorides	Turn Around Time ~
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September 08, 2021

KATIE JONES Rice Operating Company 112 W. Taylor Hobbs, NM 88240

RE: BD JUNCTION N-20

Enclosed are the results of analyses for samples received by the laboratory on 08/31/21 14:20.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab_accred_certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



Rice Operating Company KATIE JONES 112 W. Taylor Hobbs NM, 88240 Fax To: (575) 397-1471

Received:	08/31/2021	Sampling Date:	08/27/2021
Reported:	09/08/2021	Sampling Type:	Water
Project Name:	BD JUNCTION N-20	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	T21S R37E SEC20 N-LEA CTY., NM		

Sample ID: MONITOR WELL #1 (H212362-01)

BTEX 8021B	mg/	L	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.001	0.001	09/01/2021	ND	0.020	99.2	0.0200	2.52	
Toluene*	<0.001	0.001	09/01/2021	ND	0.022	108	0.0200	4.28	
Ethylbenzene*	<0.001	0.001	09/01/2021	ND	0.022	108	0.0200	3.92	
Total Xylenes*	<0.003	0.003	09/01/2021	ND	0.067	112	0.0600	5.10	
Total BTEX	<0.006	0.006	09/01/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 %	% 77.1-12	4						
Chloride, SM4500Cl-B	mg/	L	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride*	4700	4.00	09/01/2021	ND	104	104	100	0.00	
Sulfate 375.4	mg/	L	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Sulfate*	125	25.0	09/02/2021	ND	21.0	105	20.0	2.87	
TDS 160.1	mg/	L	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
TDS*	8690	5.00	09/03/2021	ND	244	81.3	300	2.31	

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



Rice Operating Company KATIE JONES 112 W. Taylor Hobbs NM, 88240 Fax To: (575) 397-1471

Received:	08/31/2021	Sampling Date:	08/27/2021
Reported:	09/08/2021	Sampling Type:	Water
Project Name:	BD JUNCTION N-20	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	T21S R37E SEC20 N-LEA CTY., NM		

Sample ID: MONITOR WELL #2 (H212362-02)

BTEX 8021B	mg/	L	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.001	0.001	09/01/2021	ND	0.020	99.2	0.0200	2.52	
Toluene*	<0.001	0.001	09/01/2021	ND	0.022	108	0.0200	4.28	
Ethylbenzene*	<0.001	0.001	09/01/2021	ND	0.022	108	0.0200	3.92	
Total Xylenes*	<0.003	0.003	09/01/2021	ND	0.067	112	0.0600	5.10	
Total BTEX	<0.006	0.006	09/01/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 %	6 77.1-12	4						
Chloride, SM4500Cl-B	mg/	L	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride*	2070	4.00	09/01/2021	ND	104	104	100	0.00	
Sulfate 375.4	mg/	L	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Sulfate*	283	83.3	09/02/2021	ND	21.0	105	20.0	2.87	
TDS 160.1	mg/	L	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
TDS*	3660	5.00	09/07/2021	ND	244	81.3	300	2.31	

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



Rice Operating Company KATIE JONES 112 W. Taylor Hobbs NM, 88240 Fax To: (575) 397-1471

Received:	08/31/2021	Sampling Date:	08/27/2021
Reported:	09/08/2021	Sampling Type:	Water
Project Name:	BD JUNCTION N-20	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	T21S R37E SEC20 N-LEA CTY., NM		

Sample ID: MONITOR WELL #3 (H212362-03)

BTEX 8021B	mg/	L	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.001	0.001	09/01/2021	ND	0.020	99.2	0.0200	2.52	
Toluene*	<0.001	0.001	09/01/2021	ND	0.022	108	0.0200	4.28	
Ethylbenzene*	<0.001	0.001	09/01/2021	ND	0.022	108	0.0200	3.92	
Total Xylenes*	<0.003	0.003	09/01/2021	ND	0.067	112	0.0600	5.10	
Total BTEX	<0.006	0.006	09/01/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 %	6 77.1-12	4						
Chloride, SM4500Cl-B	mg/	L	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride*	870	4.00	09/01/2021	ND	104	104	100	0.00	
Sulfate 375.4	mg/	L	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Sulfate*	151	25.0	09/02/2021	ND	21.0	105	20.0	2.87	
TDS 160.1	mg/	L	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
TDS*	1850	5.00	09/07/2021	ND	244	81.3	300	2.31	

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

QR-04	The RPD for the BS/BSD was outside of historical limits.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager

01 East Marland - Hobbs, NM 88240 Tel (575) 393-2326 Fax (575) 393-2476	11	โล	b	01	ra	t	01	i	es	,	In	c.		┝		C	HAI	-	-	-	ID	-	YA	NE		NA	LY	SIS	RE	QUE	ST	
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roject Manager: Katie Jones ddress: (Street, City, Zip)	122	// Tay	lor S	treet - one#:		bbs,	New			240	ity, Zip)) Fax#:)																				
122 W Taylor Street ~ Hobbs, New Mexico 88240 none #: Fax	and in case of the local division of the loc	5) 3			4						(575)	397-	1471			5)		0B/200.7														
oject #: Project Name: BD Junction N-20	5) 397	7-14		/		7	/	2	2							tended (C3		Se Hg 601	Serig													
oject Location: T21S R37E Sec20 N ~ Lea County New Mexico	T	K	-	npler ATE	2	atur		RES	ERV	AT		-	I-9310			X1005 Ex		Cd Cr Pb	COCLPD				4	70C/625					K)	100001	s	
LAB USE ONLY	# CONTAINERS	WATER			DGE		HCL (4-40ml VOA)				ICE (1-1Liter HDPE) NONE	DATE (2021)	TIME	MTBE 8021B/602	BTEX 8021B/602	TPH 418.1/TX1005 / TX1005 Extended (C35)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7	I CLP Metals Ag As Ba TCI D Volatilae	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol. 8260B/624	GC/MS Semi. Vol. 8270C/625	PCB's 8082/608	Pesticides 8081A/608	BOD, TSS, pH	Moisture Content	Cations (Ca, Mg, Na, K)	Sulfates	Total Dissolved Solids	Chlorides
/ Monitor Well #1 G	5	X					4			-	1	8/27	-		x															X	X	Х
Monitor Well #2 G	5		-	-			4	+	_	+	1	8/27	-	-	X			+	+	+	\vdash						-			X		X
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ampler - UPS - Bus - Other:	Yes No	L		s L	_	-		1.	Initials	s)																						

Released to Imaging: 10/5/2022 2:01:01 PM

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November 09, 2021

KATIE JONES Rice Operating Company 112 W. Taylor Hobbs, NM 88240

RE: BD JUNCTION N-20

Enclosed are the results of analyses for samples received by the laboratory on 11/04/21 16:16.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab_accred_certif.html.

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Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



Rice Operating Company KATIE JONES 112 W. Taylor Hobbs NM, 88240 Fax To: (575) 397-1471

Received:	11/04/2021	Sampling Date:	10/29/2021
Reported:	11/09/2021	Sampling Type:	Water
Project Name:	BD JUNCTION N-20	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	T21S R37E SEC20 N-LEA CTY., NM		

Sample ID: MONITOR WELL #1 (H213138-01)

BTEX 8021B	mg/	L	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	< 0.001	0.001	11/08/2021	ND	0.021	106	0.0200	2.92	
Toluene*	< 0.001	0.001	11/08/2021	ND	0.020	102	0.0200	4.30	
Ethylbenzene*	<0.001	0.001	11/08/2021	ND	0.020	99.9	0.0200	3.74	
Total Xylenes*	<0.003	0.003	11/08/2021	ND	0.063	104	0.0600	3.36	
Total BTEX	<0.006	0.006	11/08/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 %	% 77.1-12	4						
Chloride, SM4500Cl-B	mg/	L	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride*	4600	4.00	11/05/2021	ND	104	104	100	3.92	
Sulfate 375.4	mg/	L	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Sulfate*	122	25.0	11/05/2021	ND	23.1	116	20.0	5.60	
TDS 160.1	mg/	L	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
TDS*	7970	5.00	11/08/2021	ND	245	81.7	300	2.26	

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*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



Rice Operating Company KATIE JONES 112 W. Taylor Hobbs NM, 88240 Fax To: (575) 397-1471

Received:	11/04/2021	Sampling Date:	10/29/2021
Reported:	11/09/2021	Sampling Type:	Water
Project Name:	BD JUNCTION N-20	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	T21S R37E SEC20 N-LEA CTY., NM		

Sample ID: MONITOR WELL #2 (H213138-02)

BTEX 8021B	mg/	L	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.001	0.001	11/08/2021	ND	0.021	106	0.0200	2.92	
Toluene*	<0.001	0.001	11/08/2021	ND	0.020	102	0.0200	4.30	
Ethylbenzene*	< 0.001	0.001	11/08/2021	ND	0.020	99.9	0.0200	3.74	
Total Xylenes*	<0.003	0.003	11/08/2021	ND	0.063	104	0.0600	3.36	
Total BTEX	<0.006	0.006	11/08/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 %	6 77.1-12	4						
Chloride, SM4500Cl-B	mg/	L	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride*	1400	4.00	11/05/2021	ND	104	104	100	3.92	
Sulfate 375.4	mg/	L	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Sulfate*	192	50.0	11/05/2021	ND	23.1	116	20.0	5.60	
TDS 160.1	mg/	L	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier

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*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



Rice Operating Company KATIE JONES 112 W. Taylor Hobbs NM, 88240 Fax To: (575) 397-1471

Received:	11/04/2021	Sampling Date:	10/29/2021
Reported:	11/09/2021	Sampling Type:	Water
Project Name:	BD JUNCTION N-20	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	T21S R37E SEC20 N-LEA CTY., NM		

Sample ID: MONITOR WELL #3 (H213138-03)

BTEX 8021B	mg/	L	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	< 0.001	0.001	11/08/2021	ND	0.021	106	0.0200	2.92	
Toluene*	< 0.001	0.001	11/08/2021	ND	0.020	102	0.0200	4.30	
Ethylbenzene*	< 0.001	0.001	11/08/2021	ND	0.020	99.9	0.0200	3.74	
Total Xylenes*	<0.003	0.003	11/08/2021	ND	0.063	104	0.0600	3.36	
Total BTEX	<0.006	0.006	11/08/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 %	6 77.1-12	4						
Chloride, SM4500Cl-B	mg/	L	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride*	880	4.00	11/05/2021	ND	104	104	100	3.92	
Sulfate 375.4	mg/	L	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Sulfate*	126	25.0	11/05/2021	ND	23.1	116	20.0	5.60	
TDS 160.1	mg/	L	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

QR-04	The RPD for the BS/BSD was outside of historical limits.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager

101 East Mariand - Hobbs, NM 88240 Tel (575) 393-2326 Fax (575) 393-2476	na	11	18	b	0	ra	t	or	ie	S.	I	n	c.		F		C	HA		-	-	-		Y	ANE	D A	NA	LY	SIS	RE	QU	EST		
Company Name: RICE Operating Company		BILL	то	Cor	npan	y:			-	~,	PO#				┢				LA	-	-		-	SR	EQ	UE	ST		-		_			_
Project Manager: Katie Jones		122 V		Add	iress	:			(S	treet, 0 882		Zip)			1				1	(C		e or :	Spe 	cify I	Meth 	hod I	No.)	l F I		I	I	1	1	1
Address: (Street, City, Zip) 122 W Taylor Street ~ Hobbs, New Mexico 88240			5) 39	Pho	ne#:						Fax		897-1	1471	1				200.7															
Phone #: (575) 393-9174 Project #: Project Name:	Fax #: (575) 397	-14	71]		(C35)		6010B/2															
BD Junction N-20				San	npler	Sign	ature	R	ozani	2 ne Jo	hnsor	n (57	5)631-	9310			Extended		b Se Hg	D 26 LIG														
T21S R37E Sec20 N ~ Lea County New Me	xico	C	ť	M	ATR		4	PR		RVA		ET	SAM	PLING			X1005 E		Cd Cr P					-	8270C/625					K)				Contract No.
H213138 LAB # FIELD CODE	(G)rab or (C)omp	# CONTAINERS	WATER		T	SLUDGE		HCL (4-40ml VOA)	7	THO P	Liter HDPE)	1	DATE (2021)		MTBE 8021B/602	BTEX 8021B/602	TPH 418.1/TX1005 / TX1005 Extended (C35)	PAH 8270C	TCI P Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7 TCI P Metals Ag As Ba Cd Cr Ph So पट	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides		GC/MS Vol. 8260B/624	GC/MS Semi. Vol. 827	PCB's 8082/608	Pesticides 8081A/608	BOD, TSS, pH	Moisture Content	Cations (Ca, Mg, Na, K)	es	Total Dissolved Solids	ides	Turn Around Time
/ Monitor Well #1	G) G)	Ŭ #	X WA	SOIL	AIR	SLU			NaH	H ₂ SO ₄	巴 1	NONE		IN 15:05	-	X BTEX	H	PAH	TCIP	TCLP	TCLP	TCLP	RCI	GC/M	GC/M	PCB's	Pestic	BOD,	Moist	Cation	× Sulfates		× Chlorides	T.tes
3 Monitor Well #2 3 Monitor Well #3	G	5	X				-	4	F		1	1	10/29	10:45		х		1	1	T										+	X	x	х	F
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ezanne tennison 11-17 2021 16:15	Receiv	ed by:						(Date		Tim	ne:			Pho Fax			ts	Ŧ	Ye Ye	-		No No		Add	ition	al F	ax N	Jumi	her:	1			_
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District I 1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720 District II

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-3470 Fax: (505) 476-3462

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

CONDITIONS

Action 90541

CONDITIONS									
Operator:	OGRID:								
RICE OPERATING COMPANY	19174								
122 W Taylor	Action Number:								
Hobbs, NM 88240	90541								
	Action Type:								
	[UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)								

CONDITIONS

Created By	Condition	Condition Date
nvelez	Review of 2021 Annual Groundwater Report: Content satisfactory 1. Continue sampling on a bi-annual schedule at a minimum 2. OCD pre-approves eliminating BTEX & sulfate analyses from MW#2 & MW #3 this point forward 3. Submit summarized activities completed and their results in a 2021 Annual Report. Submittal to OCD expected no later than March 31,2022 4. OCD requires an abatement option(s) be submitted for pre-approval no later than March 31,2022 4. OCD requires an abatement option(s) be submitted for pre-approval no later than March 31, 2023 to accelerate the reduction in the current chloride & TDS levels found in all site monitor wells or provide substantiate evidence of another source area being the cause or contributing to the elevated levels. OCD suggest arranging a meeting to discuss an alternative method(s) in order to mitigate the elevated values.	10/5/2022