RICE Operating Company

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

April 1, 2021

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: 2020 Annual Groundwater Report Rice Operating Company – BD SWD System BD F-29 (1R426-16) and F-29-1 (1R426-15): UL/F, Sec. 29, 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 BD F-29 site is located 25 ft south from the BD F-29-1 site. These sites are located approximately 1.5 miles northwest of Eunice, New Mexico at UL/F, Sec. 29, T21S, R37E as shown on the Geographical Location Map and Area Map. Groundwater sampling at the site indicated the depth to groundwater is approximately 99 feet below ground surface (bgs).

BD F-29 Backhoe Delineation

In 2003, ROC initiated work on the former BD F-29 junction box. The site was delineated using a backhoe to form a 25x10x14-ft deep excavation and soil samples were screened at regular intervals for both hydrocarbon and chloride. From the excavation, the four-wall composite and the bottom composite were taken to a commercial laboratory for analysis. Laboratory tests of the four-wall composite and the bottom composite resulted in elevated chloride concentrations. TPH concentrations were low and BTEX concentrations were below detectable limits. The site was backfilled, the area was contoured to the surrounding area, and an identification plate was placed on the surface of the site to mark its location for future environmental considerations. NMOCD was notified of potential groundwater impact on March 26th, 2003 and a junction box disclosure report was submitted to NMOCD with all the 2003 junction box closures and disclosures.

BD F-29-1 Backhoe Delineation

In 2003, ROC initiated work on the former BD F-29-1 junction. The site was delineated using a backhoe to form a 20x10x6-ft deep excavation and soil samples were screened at regular intervals for both hydrocarbon and chloride. From the excavation, the bottom composite was

APPROVED

Review of 2020 Annual Groundwater

Report: Content satisfactory 1. Continue sampling on a semi-annual schedule at a minimum 2. OCD pre-approves the elimination of chloride, TDS, & sulfate from any further lab analysis in MW #2 3. OCD pre-approves the elimination of sulfate from any further lab analysis in MW #1 & MW #3 4. Submit summarized activities completed and their results in a 2021

4. Submit summarized activities completed and their results in a 2021 Annual Report. Submittal to OCD expected no later than March 31,2022. taken to a commercial laboratory for analysis. Laboratory testing on the bottom composite showed a chloride laboratory reading of 1,060 mg/kg, a GRO reading of non-detect and a DRO reading of 26.6 mg/kg. BTEX readings returned a result of non-detect. The site was backfilled, the area was contoured to the surrounding area, and an identification plate was placed on the surface of the site to mark its location for future environmental considerations. NMOCD was notified of potential groundwater impact on March 26th, 2003 and a junction box closure report was submitted to NMOCD with all the 2003 junction box closures and disclosures.

An Investigation and Characterization Plan (ICP) was submitted to NMOCD September 30th, 2013. According to the ICP, a total of 18 soil bores were drilled at the two sites. As the bores were advanced, soil samples were taken at regular intervals and field tested for chloride and hydrocarbon. Representative samples from each bore were taken to a commercial laboratory for analysis. The interior bores (SB 1-9, 11 and 14-16) located close to the former boxes, showed evidence of elevated chlorides throughout each bore. Although the laboratory chloride readings decrease with depth in each bore, the bottom samples at 95 ft bgs are still above 250 mg/kg. The most outer bores (SB 12, 13, 17 and SB-18) showed laboratory chloride readings that decrease to below 250 mg/kg before reaching the capillary fringe. GRO and DRO readings were non-detect in all bores at all depths.

According to a Corrective Action Plan (CAP) approved by the NMOCD on October 30th, 2013, ROC installed a 20-mil reinforced liner measuring 247x106-ft at a depth of 4.5 ft bgs. The liner extended 5 ft beyond the furthest soil bores and will provide a barrier that will inhibit the downward migration of chlorides to the groundwater. The soils placed above the liner had a laboratory chloride reading of 240 mg/kg and 320 mg/kg, and field PID readings of 0.4 ppm and 1.2 ppm. Upon completion of backfilling, the site was seeded with a native vegetative mix and soil amendments. A CAP Report and Soil Closure Request summarizing this work was submitted to NMOCD on July 23rd, 2014, and NMOCD granted Soil Closure on September 18th, 2014.

On November 13th, 2018, a near-source monitor well (MW-1) was installed approximately 70 ft southeast of the former junction boxes. On December 10th, 2018, an up-gradient well (MW-2) was installed approximately 133 ft northwest and a down-gradient well (MW-3) was installed approximately 170 ft southeast of the former junction boxes. These wells were developed and have been sampled regularly. The most recent sampling event resulted in a chloride concentration of 440 mg/L in MW-1, 104 mg/L in MW-2, and 240 mg/L in MW-3. BTEX concentrations remained below detectable limits since the wells were installed. In 2020, ROC received NMOCD approval to cease BTEX sampling, and approval to temporarily reduce the sampling interval to semi-annual. ROC will begin quarterly sampling in 2021.

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 laboratory results.
- 4. The laboratory analytical results for 2020.

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

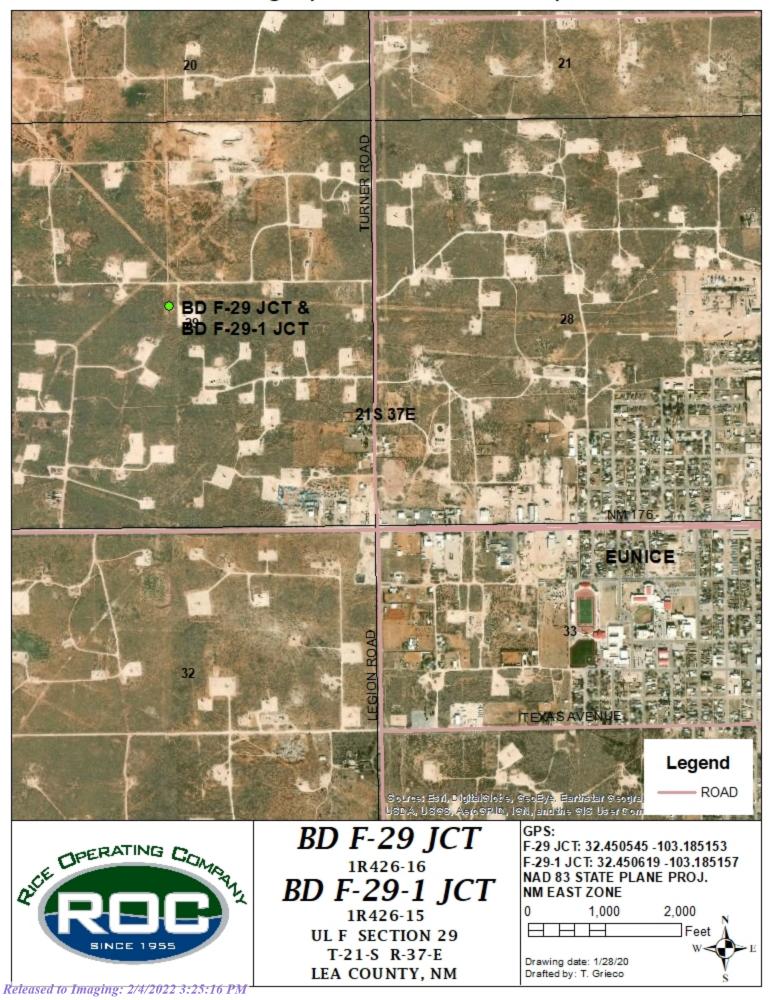
Katie Davis Environmental Manager RICE Operating Company (ROC)

Cc – Edward J. Hansen (ROC)

appendix

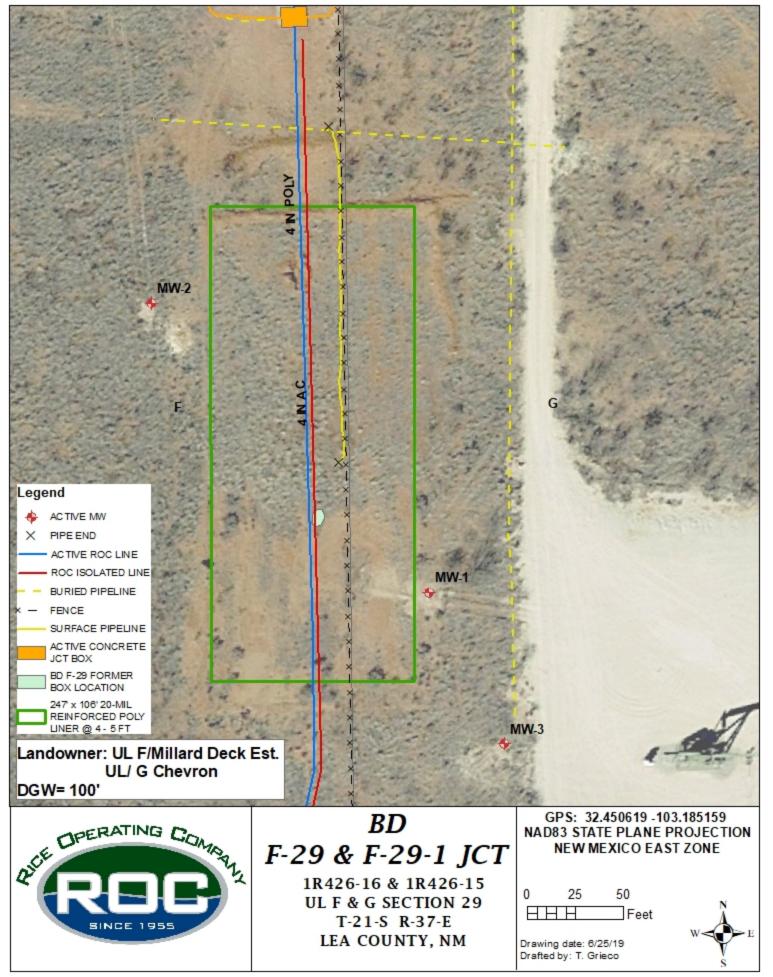
Received by OCD: 4/13/2021 3:01:33 Geographical Location Map

Page 4 of 19



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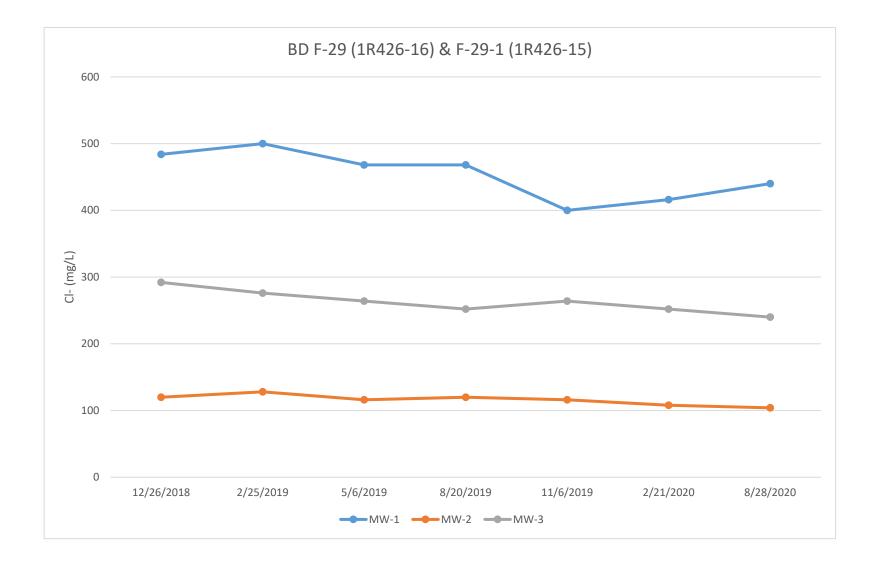
Monitor Well Location



Released to Imaging: 2/4/2022 3:25:16 PM

ROC - BD F-29 (1R426-16) & F-29-1 (1R426-15) Unit Letter F, Section 29, T21S, R37E

мw	Depth to	Total	Well	Volume	Sample Date	Cl	TDS	Benzene	Toluene	Ethyl	Total	Sulfate	Comments
1	Water 99.48	Depth 116.15	Volume 10.9	Purged 35	12/26/2018	484	1,300	<0.001	<0.001	Benzene <0.001	Xylenes <0.003	278	Clear No odor
1	99.45	116.15	10.9	35			1,230	<0.001	<0.001	<0.001	<0.003	251	Clear No odor
1	99.44	116.15	10.9	35	5/6/2019	468	976	<0.001	<0.001	<0.001	<0.003	238	Clear No odor
1	99.42	116.15	10.9	35	8/20/2019	468		< 0.001	< 0.001	< 0.001	< 0.003	211	Clear No odor
1	99.44	116.15	10.9	35	11/6/2019	400	,	< 0.001	< 0.001	< 0.001	<0.003	208	Clear No odor
1	99.43	116.15	10.9	35	2/21/2020	416		< 0.0005	< 0.0005	< 0.0005	<0.002	125	Clear No odor
1	99.4	116.15	10.9	35	8/28/2020		1,290	XXX	XXX	XXX	XXX	218	Clear No odor
					-,,		_,						
	Depth to	Total	Well	Volume				_		Ethyl	Total		_
MW	Water	Depth	Volume	Purged	Sample Date	Cl	TDS	Benzene	Toluene	<i>.</i> Benzene	Xylenes	Sulfate	Comments
2	98.22	102.98	0.7	3	12/26/2018	120	550	<0.001	<0.001	<0.001	< 0.003	153	Clear No odor
2	98.2	102.98	0.7	3	2/25/2019	128	470	<0.001	<0.001	<0.001	<0.003	134	Clear No odor
2	98.18	102.98	0.7	3	5/6/2019	116	616	<0.001	<0.001	<0.001	<0.003	116	Clear No odor
2	98.13	102.98	0.7	3	8/20/2019	120	570	<0.001	<0.001	<0.001	<0.003	119	Clear No odor
2	98.19	102.98	0.7	3	11/6/2019	116	596	<0.001	<0.001	<0.001	<0.003	121	Clear No odor
2	98.16	102.48	0.7	3	2/21/2020	108	538	<0.0005	<0.0005	<0.0005	<0.002	146	Clear No odor
2	98.14	102.48	0.7	3	8/28/2020	104	617	XXX	XXX	XXX	XXX	109	Clear No odor
мw	Depth to	Total	Well	Volume	Sample Date	Cl	TDS	Benzene	Toluene	Ethyl	Total	Sulfate	Comments
	Water	Depth	Volume	Purged						Benzene	Xylenes	Junate	comments
3	99.88	108.83	1.4	5	12/26/2018	292	978	<0.001	<0.001	<0.001	<0.003	298	Clear No odor
3	99.87	108.83	1.4	5	2/25/2019	276	991	<0.001	<0.001	<0.001	<0.003	245	Clear No odor
3	99.88	108.83	1.4	5	5/6/2019	264	936	<0.001	<0.001	<0.001	<0.003	240	Clear No odor
3	99.9	108.83	1.4	5	8/20/2019	252	964	<0.001	<0.001	<0.001	<0.003	227	Clear No odor
3	100.03	108.83	1.4	3	11/6/2019	264	871	<0.001	<0.001	<0.001	<0.003	238	Clear No odor
3	99.99	108.83	1.4	3	2/21/2020	252	,	<0.0005	<0.0005	<0.0005	<0.002	242	Clear No odor
3	99.97	108.83	1.4	3	8/28/2020	240	1,080	XXX	XXX	XXX	XXX	219	Clear No odor





March 03, 2020

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

RE: BD JUNCTION F-29 & F-29-1

Enclosed are the results of analyses for samples received by the laboratory on 02/25/20 8:10.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-19-12. 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



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

Analytical Results For:

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

Received:	02/25/2020	Sampling Date:	02/21/2020
Reported:	03/03/2020	Sampling Type:	Water
Project Name:	BD JUNCTION F-29 & F-29-1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	T21S R37E SEC 29 F ~ LEA COUNTY, №		

Sample ID: MONITOR WELL #1 (H000578-01)

BTEX 8260B	mg/	′L	Analyze	d By: CK					
Analyte	Result	Result Reporting Limit		Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.0005	0.0005	02/29/2020	ND	0.019	92.8	0.0200	3.68	
Toluene*	<0.0005	0.0005	02/29/2020	ND	0.020	97.6	0.0200	6.84	
Ethylbenzene*	<0.0005	0.0005	02/29/2020	ND	0.021	103	0.0200	6.05	
Total Xylenes*	<0.002	0.002	02/29/2020	ND	0.065	108	0.0600	5.88	
Total BTEX	<0.003	0.003	02/29/2020	ND					
Surrogate: Dibromofluoromethane	101 9	% 89.2-11	2						
Surrogate: Toluene-d8	101 9	% 92-106	5						
Surrogate: 4-Bromofluorobenzene	93.5	% 80.4-12	24						
Chloride, SM4500Cl-B	mg/	′L	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride*	416 4.00		02/26/2020	ND	96.0	96.0	100	4.08	
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		02/26/2020	ND	20.5	102	20.0	6.89	
TDS 160.1	mg/	'L	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
TDS*	1140	5.00	02/28/2020	ND	526	105	500	8.49	

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*=Accredited Analyte

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

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

Received:	02/25/2020	Sampling Date:	02/21/2020
Reported:	03/03/2020	Sampling Type:	Water
Project Name:	BD JUNCTION F-29 & F-29-1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	T21S R37E SEC 29 F ~ LEA COUNTY, №		

Sample ID: MONITOR WELL #2 (H000578-02)

BTEX 8260B	- mg/	۰ ۲	Analyze	ed By: CK					
Analyte	Result	Result Reporting Limit		Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.0005	0.0005	02/29/2020	ND	0.019	92.8	0.0200	3.68	
Toluene*	<0.0005	0.0005	02/29/2020	ND	0.020	97.6	0.0200	6.84	
Ethylbenzene*	<0.0005	0.0005	02/29/2020	ND	0.021	103	0.0200	6.05	
Total Xylenes*	<0.002	0.002	02/29/2020	ND	0.065	108	0.0600	5.88	
Total BTEX	<0.003	0.003	02/29/2020	ND					
Surrogate: Dibromofluoromethane	102 9	89.2-11	2						
Surrogate: Toluene-d8	103 9	% 92-100	5						
Surrogate: 4-Bromofluorobenzene	95.3	% 80.4-12	24						
Chloride, SM4500CI-B	mg/	'L	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride*	108	4.00	02/26/2020	ND	96.0	96.0	100	4.08	
Sulfate 375.4	mg/	'L	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Sulfate*	146	50.0	02/26/2020	ND	20.5	102	20.0	6.89	
TDS 160.1	mg/	'L	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
TDS*	538	5.00	02/28/2020	ND	526	105	500	8.49	

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*=Accredited Analyte

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

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

Received:	02/25/2020	Sampling Date:	02/21/2020
Reported:	03/03/2020	Sampling Type:	Water
Project Name:	BD JUNCTION F-29 & F-29-1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	T21S R37E SEC 29 F ~ LEA COUNTY, №		

Sample ID: MONITOR WELL #3 (H000578-03)

BTEX 8260B	- mg/	۰ ۲	Analyze	d By: CK					
Analyte	Result Reporting Limit		Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.0005	0.0005	02/29/2020	ND	0.019	92.8	0.0200	3.68	
Toluene*	<0.0005	0.0005	02/29/2020	ND	0.020	97.6	0.0200	6.84	
Ethylbenzene*	<0.0005	0.0005	02/29/2020	ND	0.021	103	0.0200	6.05	
Total Xylenes*	<0.002	0.002	02/29/2020	ND	0.065	108	0.0600	5.88	
Total BTEX	<0.003	0.003	02/29/2020	ND					
Surrogate: Dibromofluoromethane	103 9	% 89.2-11	2						
Surrogate: Toluene-d8	103 9	% 92-100	5						
Surrogate: 4-Bromofluorobenzene	95.2	% 80.4-12	24						
Chloride, SM4500CI-B	mg/	′L	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride*	252	4.00	02/26/2020	ND	96.0	96.0	100	4.08	
Sulfate 375.4	mg/	'L	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Sulfate*	242	50.0	02/26/2020	ND	20.5	102	20.0	6.89	
TDS 160.1	mg/	'L	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
TDS*	1080	5.00	02/28/2020	ND	526	105	500	8.49	

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.								
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable 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								

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager

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	Project Location: T21S R37E	Sec29 F~ Lea County New Me	xico	H		Samp	fer Sigi	nature:	FU	in	~	50	75)631-	9310		- L - L - L - L - L - L - L - L - L - L		Cr Pb	d Cr Pb					(625		4			-ICO3)			Hours
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	LAB #	FIELD CODE	(G)rab or (C)omp	# CONTAINERS			u u		tomi voa)	4		ICE (1-1Liter HDPE) NONE	:020)		MTBE 8021B/602	BTEX 8021B/602	PAH 8270C	tals Ag A	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles TCLP Semi Volatiles	sticides		GC/MS Vol. 8260B/624	GC/MS Semi. Vol. 8270C/625	082/608	Pesticides 8081A/608 BOD. TSS. pH	Moisture Content	(Ca, Mg,	Anions (Cl, SO4, CO3, HCO3)	Total Dissolved Solids	s	Turn Around Time ~ 24 Hours
	(LAB USE ONLY)		(G)rab o	# CON	WATER	SOIL	AIR	2	HNO ₃	NaHSO ₄	H ₂ SO ₄	NONE (1-1	DATE (2020)	TIME	MTBE 8	BTEX 8(PAH 8270C	Total Me	TCLP Me	ICLP Volatiles ICLP Semi Vol	TCLP Pesticides	RCI	JCIMS /	SC/MS	PCB's 8082/608	Pesticides 808 BOD. TSS. pH	Moisture	Cations	Anions (Total Dis	Chlorides	Furn Aro
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	2	Monitor Well #2	G	3	X				2			1	2/21	10:15		x														x x	X	
	3	Monitor Well #3	G	3	x		_		2			1	2/21	11:40		X	_	_		_					-		\bot		L];	xx	X	
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September 08, 2020

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

RE: BD JUNCTION F-29 & F-29-1

Enclosed are the results of analyses for samples received by the laboratory on 09/01/20 15:30.

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/qa/lab_accred_certif.html.

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

Method EPA 552.2	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



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

Analytical Results For:

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

Received:	09/01/2020	Sampling Date:	08/28/2020
Reported:	09/08/2020	Sampling Type:	Water
Project Name:	BD JUNCTION F-29 & F-29-1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	T21S R37E SEC 29 F ~ LEA COUNTY, №		

Sample ID: MONITOR WELL #1 (H002326-01)

Chloride, SM4500Cl-B	mg	/L	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride*	440	4.00	09/02/2020	ND	100	100	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*	218	50.0	09/03/2020	ND	22.3	112	20.0	2.48	
TDS 160.1	mg,	/L	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
TDS*	1290	5.00	09/04/2020	ND	864	86.4	1000	5.66	

Sample ID: MONITOR WELL #2 (H002326-02)

Chloride, SM4500Cl-B	mg	/L	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride*	104	4.00	09/02/2020	ND	100	100	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*	109	25.0	09/03/2020	ND	22.3	112	20.0	2.48	
TDS 160.1	mg	/L	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
TDS*	617	5.00	09/04/2020	ND	864	86.4	1000	5.66	

Cardinal Laboratories

*=Accredited Analyte

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

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

Received:	09/01/2020	Sampling Date:	08/28/2020
Reported:	09/08/2020	Sampling Type:	Water
Project Name:	BD JUNCTION F-29 & F-29-1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	T21S R37E SEC 29 F ~ LEA COUNTY, №		

Sample ID: MONITOR WELL #3 (H002326-03)

Chloride, SM4500Cl-B	mg,	/L	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride*	240	4.00	09/02/2020	ND	100	100	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*	219	50.0	09/03/2020	ND	22.3	112	20.0	2.48	
TDS 160.1	mg	/L	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
TDS*	1080	5.00	09/04/2020	ND	832	83.2	1000	0.464	

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

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

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

Prax (5/5) 393-2476 Company Name: BILL TO RICE Operating Company RICE Ope Project Manager: Add Katie Jones 122 W Taylor Street, City, Zip) 122 W Taylor Street ~ Hobbs, New Mexico 88240 (575) 393-974 Phone #: Fax #: (575) 393-9174 (575) 397-1471 Project #: Project Name: BD Junction F29 & F-29-1 Project Location: Sa T21S R37E Sec29 F~ Lea County New Mexico	rating Company dress: (Street, City, Zip) Street ~ Hobbs, New Mexico 88240 one#: one#: Fax#: 9174 (575)397-147 Impler Signature: Rozanne Johnson (575)631-931 WATRIX PRESERVATIVE METHOD SAMPLII UNON Identify (0000) Impler Signature: Rozanne Johnson (575)631-931 Impler Signature: Imple Signature: Imple Signature: Imple Signature:	Signation Time Signation Image 8021B/602 Image 8021B/602 Image 8021B/602 Image 8021B/603 Image 8021C/625 Image 8021608 Image 8081A/608 Image 8081A/608 Image 8081A/608 Image 8081A/608 Image 8081A/608 Image 8081A/603 Image 8081A/608 Image 8081A/603 Image 8081A/603 Image 8081A/608 Image 8081A/603 Image 8081A/603 Image 8081A/603 Image 80
RICE Operating Company RICE Operating Company Project Manager: Add Katie Jones 122 W Taylor S Address: (Street, City, Zip) Ph 122 W Taylor Street ~ Hobbs, New Mexico 88240 (575) 393- Phone #: Fax #: (575) 393-9174 (575) 397-1471 Project Location: Fax #: T21S R37E Sec29 F~ Lea County New Mexico #MOLAB # FIELD CODE (DNLY FIELD CODE / Monitor Well #1 G 1 Z Monitor Well #2 G	rating Company dress: (Street, City, Zip) Street ~ Hobbs, New Mexico 88240 one#: one#: Fax#: 9174 (575)397-147 Impler Signature: Rozanne Johnson (575)631-931 WATRIX PRESERVATIVE METHOD SAMPLII UNON Identify (0000) Impler Signature: Rozanne Johnson (575)631-931 Impler Signature: Imple Signature: Imple Signature: Imple Signature:	G: Time I Image: Solution in the solutin the solution in the solutin the solution in the solutic
Katie Jones 122 W Taylor St Address: (Street, City, Zip) Ph 122 W Taylor Street ~ Hobbs, New Mexico 88240 (575) 393-9 Phone #: Fax #: (575) 397-1471 (575) 393-9174 (575) 397-1471 Project I. Project Name: BD Junction F29 & F-29-1 Project Location: Sature Sature T21S R37E Sec29 F~ Lea County New Mexico Image: County New Mexico Image: County New Mexico Image: C	Street ~ Hobbs, New Mexico 88240 one#: Fax#: 9174 (575)397-147 mpler Signature: Rozanne Johnson (575)631-931 WIATRIX PRESERVATIVE METHOD MUNUE SAMPLII BOD I HO SIGNOV NON NON SIGNOV SAMPLII BOD I HO SIGNOV SIGNOV SIGNOV NON SIGNOV SIGNOV SIGNOV SIGNOV SIGNOV SIGNOV BUL SIGNOV SIGNOV SIGNOV SIGNOV SIGNOV SIGNOV SIGNOV SIGNOV SIGNOV </td <td>3:50 X X X</td>	3:50 X X X
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livered By: (Circle One) Sample Condition	Intact	rozanne@sdacres.com
Yes Yes		
ampler - UPS - Bus - Other: No No	es (Initials)	

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 19678

CONDITIONS						
Operator:	OGRID:					
RICE OPERATING COMPANY	19174					
122 W Taylor	Action Number:					
Hobbs, NM 88240	19678					
	Action Type:					
	[UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)					

CONDITIONS

Created By	Condition	Condition Date
nvelez	Review of 2020 Annual Groundwater Report: Content satisfactory 1. Continue sampling on a semi-annual schedule at a minimum 2. OCD pre-approves the elimination of chloride, TDS, & sulfate from any further lab analysis in MW #2 3. OCD pre-approves the elimination of sulfate from any further lab analysis in MW #1 & MW #3 4. Submit summarized activities completed and their results in a 2021 Annual Report. Submittal to OCD expected no later than March 31,2022.	2/4/2022