REVIEWED

By Mike Buchanan at 3:26 pm, Jun 22, 2023

L Peter Galusky, Jr PE

5935 Exeter Cir Norcross, GA 30071 | 470 955-5335 | peter@bluerock.pro

March 31, 2023

Nelson Velez

New Mexico Energy, Minerals, & Natural Resources Oil Conservation Divi sion, Environmental Bureau 1220 S. St. Francis Drive Santa Fe, New Mexico 87504

Re: 2022 Annual Report

Rice Operating Company - Vacuum SWD System

Vacuum F-33 Boot (1R425-37): UL/F, Sec. 33, T17S, R35E

Sent via E-mail

Mr. Velez:

This letter summarizes progress made over the past calendar year pursuant to remedial actions approved for this site in 2015, which is operated by Rice Operating Company (ROC). The site is located approximately 2.5 miles east of Buckeye, New Mexico at UL/F, Sec. 33, T17S, R35E as shown on the Geographic Location Map (Figure 1). The depth to the water table averaged approximately 84 ft bgs in the up-gradient monitor well, MW-2, during 2022.

Background and Previous Work

In 2007, ROC initiated work on the former Vacuum F-33 boot junction box and a junction box disclosure report was submitted to NMOCD. An NMOCD approved Investigation and Characterization Plan (ICP) was implemented in 2009 to delineate residual soil chlorides and hydrocarbons and to evaluate groundwater quality beneath the site. The results of this work were reported to NMOCD in July 2013, along with a Corrective Action Plan (CAP), which proposed the installation of a 20-mil reinforced synthetic liner and an up-gradient groundwater monitor well. The CAP was approved by NMOCD on August 14th, 2013.

ROC completed the installation of the liner and restored the ground surface as specified in the CAP in early 2014. The results of this work were summarized and reported to NMOCD as an "Initial CAP Report and Soil Closure Request" on February 10th, 2014 and this was approved on March 28th, 2014. Following continued groundwater monitoring through 2014, ROC submitted a summary report "Proposed Groundwater Recover and Project Update" to NMOCD which proposed limited groundwater removal from the near-source monitor well (MW-1) to reduce groundwater chloride mass. NMOCD approved this work on April 2nd, 2015. ROC subsequently began groundwater recovery in May 2015.

Review of the 2022 Annual Groundwater Report for RICE Vaccum F-33 Boot: **Content Satisfactory**

- Continue groundwater recovery and groundwater monitoring on a quarterly basis.
 Submit the 2023 Annual Groundwater Report
- by April 1, 2024.

Rice Operating Company Vacuum F-33 Boot Annual Report

Groundwater Chlorides & BTEX

Results of groundwater sampling from March 2009 through December 2022 are given in the Appendix Figure 3, Table 1 (annual averages) and Table 2 (full dataset). Average annual groundwater chloride concentrations in the down-gradient monitor well (MW-1) were little changed during the past year, measuring 566 mg/l in 2022 vs 563 mg/l in 2021. Average annual groundwater chloride concentrations in the up-gradient monitor well (MW-2) averaged 59 mg/l in 2022, essentially unchanged from 55 mg/l in 2021. NMOCD granted approval to cease BTEX sampling in 2020 since these had not been detected in groundwater samples from the beginning of sampling in 2009 through the first quarter of 2020.

A total of approximately 12,646 bbls of high-chloride groundwater were pumped from the near-source monitor well (MW-1) from 2015 through 2022, resulting in the removal of an estimated 1,537 kg of chlorides. The removed groundwater was hauled to an off-site location and utilized for beneficial use.

ROC will continue groundwater recovery and quarterly monitoring well sampling in 2023.

ROC is the service provider (agent) for the Vacuum 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. The Vacuum system is now abandoned. We thus submit this report for your review and consideration. Please call Rice Operating Company or me if you have any questions or need additional information.

Thank you.

Sincerely,

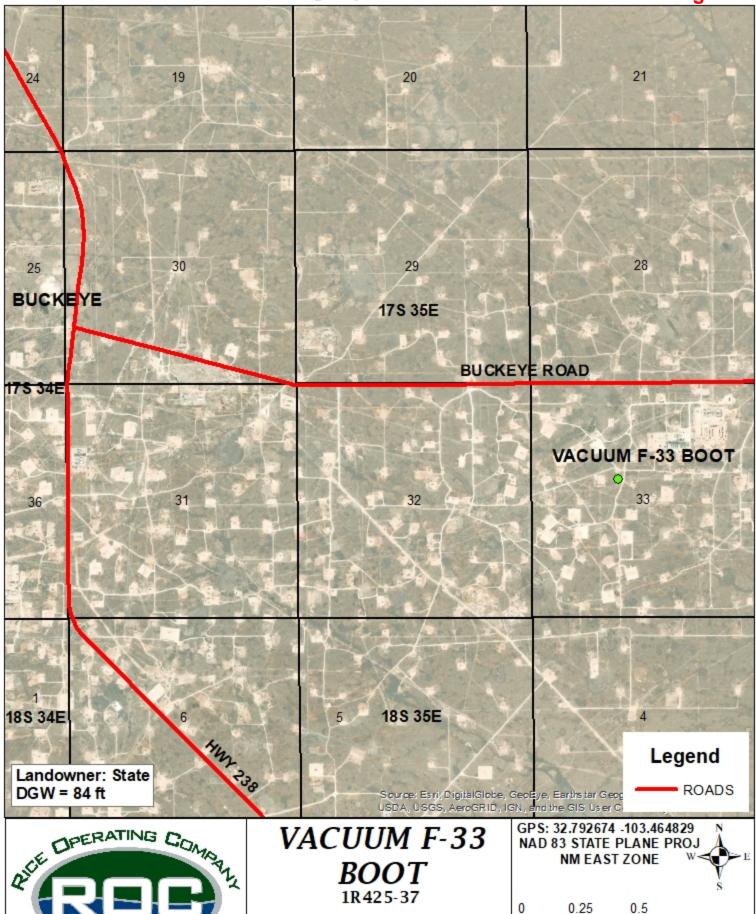
L. Peter Galusky, Jr. P.E. NM Prof. Engineer No. 22561

Copy: Rice Operating Company Attachments: ... as noted, above.

Miles

Drawing date: 2/4/20

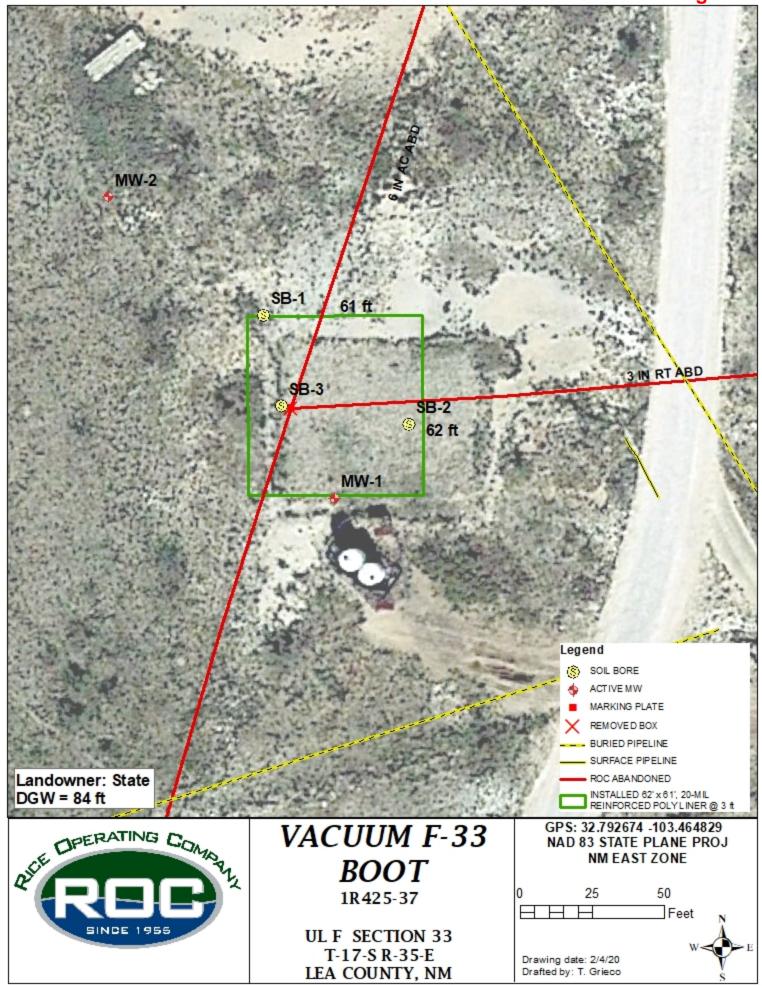
Drafted by: T. Grieco

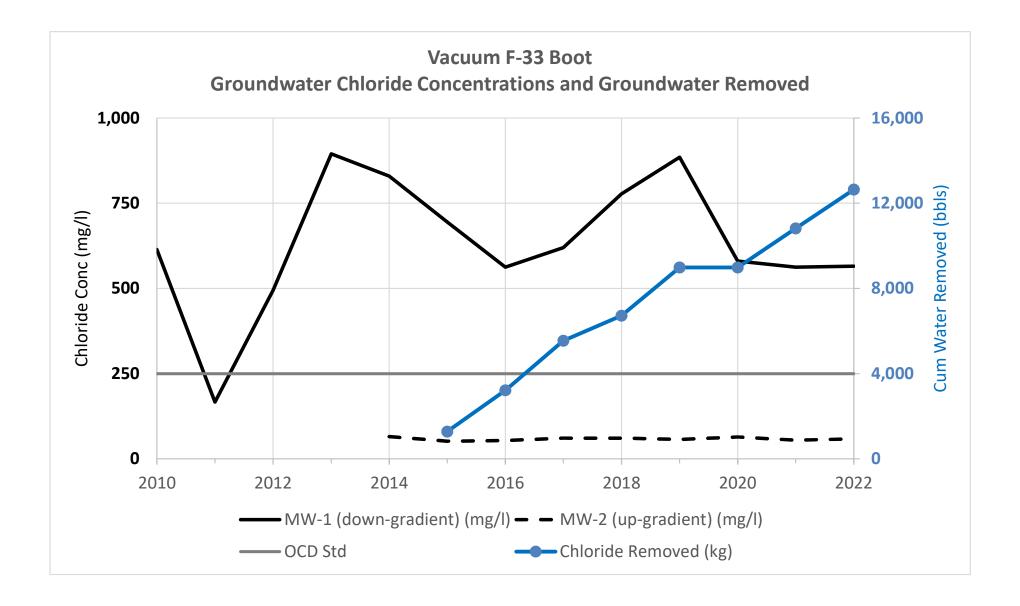


UL/F SECTION 33 T-17-S R-35-E

LEA COUNTY, NM

Released to Imaging: 6/22/2023 3:33:15 PM







Rice Operating Company Vacuum F-33 Boot

Annual Average Groundwater Chloride Concentrations (mg/l)

and Groundwater Volume (bbls) and Chloride Mass (kg) Removal

	MW-1 (down-	MW-2 (up-		Groundwater	
	gradient)	gradient)	OCD Std	Removed	Chloride Removed
Year	(mg/l)	(mg/l)	(mg/l)	(bbls)	(kg)
2009	605		250		
2010	614		250		
2011	167		250		
2012	495		250		
2013	895		250		
2014	830	65	250		
2015	695	52	250	1,285	113
2016	563	54	250	3,225	299
2017	620	61	250	5,545	666
2018	778	61	250	6,725	884
2019	885	57	250	8,985	1,172
2020	580	64	250	8,985	1,172
2021	563	55	250	10,821	1,361
2022	566	59	250	12,646	1,537



ROC - Vacuum F-33 boot (1R425-37) Unit Letter F, Section 33, T17S, R35E

MW	Depth to Water	Total Depth	Well Volume	Volume Purged	Sample Date	CI	ann. avg Cl	TDS	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Sulfate	Comments
1	80.63	126.5	29.8	300	3/2/2009	432		1,070	<0.001	<0.001	<0.001	<0.003	56	Clear No odor
1	80.73	126.5	29.8	150	4/28/2009	600		1,330	<0.001	<0.001	<0.001	<0.003	38.3	Clear No odor
1	80.85	126.5	29.7	150	8/5/2009	308		845	<0.001	<0.001	<0.001	<0.003	25.2	Clear No odor
1	80.98	126.5	29.6	150	11/23/2009	1,080	605	2,340	<0.001	<0.001	<0.001	<0.003	34.2	Clear No odor
1	81.11	126.51	29.5	150	2/9/2010	1,160		2,240	<0.001	<0.001	<0.001	<0.003	54.6	Clear No odor
1	81.29	126.51	29.4	150	5/28/2010	510		1,190	<0.001	<0.001	<0.001	<0.003	29	Clear No odor
1	81.33	126.51	29.4	150	7/27/2010	710		1,500	<0.001	<0.001	<0.001	<0.003	40.8	Clear No odor
1	81.4	126.51	29.3	250	10/27/2010	76	614	454	<0.001	<0.001	<0.001	<0.003	17.6	Clear No odor
1	81.53	126.51	29.2	250	2/20/2011	68		365	<0.001	<0.001	<0.001	<0.003	17.2	Clear No odor
1	81.66	126.51	29.2	400	6/3/2011	240		707	<0.001	<0.001	<0.001	<0.003	45.9	Clear No odor
1	81.74	126.51	29.1	400	9/1/2011	308		825	<0.001	<0.001	<0.001	<0.003	56.6	Clear No odor
1	81.78	126.51	29.1	400	12/12/2011	52	167	395	<0.001	<0.001	<0.001	<0.003	28.6	Clear No odor
1	81.9	126.51	29	500	2/23/2012	188		605	<0.001	<0.001	<0.001	<0.003	45.2	Clear No odor
1	81.82	126.51	29	500	5/30/2012	730		1,740	<0.001	<0.001	<0.001	<0.003	84.9	Clear No odor
1	81.85	126.51	29	500	8/23/2012	580		1,280	<0.001	<0.001	<0.001	<0.003	81.2	Clear No odor
1	81.89	126.51	29	500	11/19/2012	480	495	1,170	<0.001	<0.001	<0.001	<0.003	50.4	Clear No odor
1	81.96	126.51	29	500	2/13/2013	870		1,680	<0.001	<0.001	<0.001	<0.003	59.7	Clear No odor
1	82.03	126.51	28.9	500	5/29/2013	860		1,940	<0.001	<0.001	<0.001	<0.003	79.3	Clear No odor
1	82.1	126.51	28.9	500	9/6/2013	840		2,000	<0.001	<0.001	<0.001	<0.003	227	Clear No odor
1	82.18	126.51	28.8	500	11/14/2013	1,010	895	2,080	<0.001	<0.001	<0.001	<0.003	61.5	Clear No odor
1	82.28	126.51	28.7	500	3/7/2014	550		1,390	<0.001	<0.001	<0.001	<0.003	63.4	Clear No odor
1	82.29	126.51	28.7	500	6/4/2014	980		2,170	<0.001	<0.001	<0.001	<0.003	53.8	Clear No odor
1	82.46	126.51	28.6	500	8/20/2014	910		2,220	<0.001	<0.001	<0.001	<0.003	50.9	Clear No odor
1	82.16	126.51	28.8	250	12/5/2014	880	830	2,050	<0.001	<0.001	<0.001	<0.003	53.6	Clear No odor
1	82.33	126.51	28.7	250	3/5/2015	940		2,010	<0.001	<0.001	<0.001	<0.003	50.3	Clear No odor
1	XXX	126.51	XXX	Running	6/4/2015	540		1,360	<0.001	<0.001	<0.001	<0.003	55.5	Clear No odor
1	XXX	126.51	XXX	Running	8/21/2015	670		1,480	<0.001	<0.001	<0.001	<0.003	51	Clear No odor
1	XXX	126.51	0	200	11/13/2015	630	695	1,500	<0.001	<0.001	<0.001	<0.003	71.4	Clear No odor
1	XXX	126.51	XXX	200	3/14/2016	590		1,370	<0.001	<0.001	<0.001	<0.003	65.3	Clear No odor

1 XXX 126.51 XXX 200 5/25/2016 620	1 720 40 001 40		
	1,730 <0.001 <0	0.001 <0.001 <0.003	68.1 Clear No odor
1 XXX 126.51 XXX Running 9/13/2016 460	1,140 <0.001 <0	0.001 <0.001 <0.003	71 Clear No odor
1 XXX 126.51 XXX 200 11/17/2016 580 563	1,370 <0.001 <0	0.001 <0.001 <0.003	63 Clear No odor
1 XXX 126.51 XXX 200 3/2/2017 380	1,230 <0.001 <0	0.001 <0.001 <0.003	143 Clear No odor
1 XXX 126.51 XXX Running 6/1/2017 440	1,180 <0.001 <0	0.001 <0.001 <0.003	68 Clear No odor
1 XXX 126.51 XXX Running 9/11/2017 820	2,110 <0.001 <0	0.001 <0.001 <0.003	97 Clear No odor
1 XXX 126.51 XXX 100 12/1/2017 840 620	1,740 <0.001 <0	0.001 <0.001 <0.003	81 Clear No odor
1 XXX 126.51 XXX 200 3/5/2018 870	1,870 <0.001 <0	0.001 <0.001 <0.003	96 Clear No odor
1 XXX 126.51 XXX 200 6/4/2018 480	1,200 <0.001 <0	0.001 <0.001 <0.003	69.4 Clear No odor
1 XXX 126.51 XXX 200 9/10/2018 1,180	2,310 <0.001 <0	0.001 <0.001 <0.003	82.7 Clear No odor
1 XXX 126.51 XXX 200 11/16/2018 580 778	1,120 <0.001 <0	0.001 <0.001 <0.003	57.2 Clear No odor
1 XXX 126.51 XXX 100 3/11/2019 770	1,610 <0.001 <0	0.001 <0.001 <0.003	57 Clear No odor
1 XXX 126.51 XXX Running 5/31/2019 990	1,940 <0.001 <0	0.001 <0.001 <0.003	66 Clear No odor
1 XXX 126.51 XXX Running 8/30/2019 720	1,740 <0.001 <0	0.001 <0.001 <0.003	66 Clear No odor
1 XXX 126.51 XXX 100 11/21/2019 1,060 885	1,900 <0.001 <0	0.001 <0.001 <0.003	66 Clear No odor
1 XXX 126.51 XXX Running 3/9/2020 500	1,160 <0.001 <0	0.001 <0.001 <0.003	52.7 Clear No odor
1 XXX 126.51 XXX Running 9/14/2020 660 580	1,770 XXX X	XXX XXX XXX	51.1 Clear No odor
1 XXX 126.51 XXX 100 3/12/2021 500	1,170 XXX X	XXX XXX XXX	43.9 Clear No odor
1 XXX 126.51 XXX Running 6/14/2021 700	1,630 XXX X	XXX XXX XXX	57.1 Clear No odor
1 XXX 126.51 XXX Running 9/9/2021 550	1,300 XXX X	XXX XXX XXX	75.4 Clear No odor
1 XXX 126.51 XXX 100 11/11/2021 500 563	1,160 XXX X	XXX XXX XXX	73.7 Clear No odor
1 XXX 126.51 XXX 100 3/3/2022 352	1,220 XXX X	XXX XXX XXX	62.5 Clear No odor
1 XXX 126.51 XXX Running 6/14/2022 750		XXX XXX XXX	64.5 Clear No odor
1 XXX 126.51 XXX Running 9/8/2022 550		XXX XXX XXX	63.6 Clear No odor
1 XXX 126.51 XXX 100 12/2/2022 610 566		XXX XXX XXX	48.7 Clear No odor

MW	Depth to Water	Total Depth	Well Volume	Volume Purged	Sample Date	Cl	ann. avg Cl	TDS	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Sulfate	Comments
2	81.99	95.05	2.1	10	6/4/2014	64		378	<0.001	<0.001	<0.001	<0.003	39.6	Clear No odor
2	82.13	95.05	2.1	10	8/20/2014	64		400	<0.001	<0.001	<0.001	<0.003	37.7	Clear No odor
2	81.74	95.05	2.1	10	12/5/2014	68	65	370	<0.001	<0.001	<0.001	<0.003	30.7	Clear No odor
2	81.93	95.05	2.1	10	3/5/2015	36		400	<0.001	<0.001	<0.001	<0.003	59.8	Clear No odor
2	82.14	95.05	2.1	10	6/4/2015	64		422	<0.001	<0.001	<0.001	<0.003	31.3	Clear No odor
2	82.29	95.05	2	10	8/21/2015	40		398	<0.001	<0.001	<0.001	<0.003	45.1	Clear No odor
2	82.28	95.05	2.04	10	11/13/2015	68	52	440	<0.001	<0.001	<0.001	<0.003	34.6	Clear No odor
2	82.36	95.05	2	10	3/14/2016	68		436	<0.001	<0.001	<0.001	<0.003	45.7	Clear No odor
2	82.37	95.05	2	10	5/25/2016	32		406	<0.001	<0.001	<0.001	<0.003	58.8	Clear No odor
2	82.4	95.05	2	10	9/13/2016	56		402	<0.001	<0.001	<0.001	<0.003	77	Clear No odor
2	82.46	95.05	2	10	11/17/2016	60	54	202	<0.001	<0.001	<0.001	<0.003	64	Clear No odor
2	82.62	95.05	2	10	3/2/2017	60		446	<0.001	<0.001	<0.001	<0.003	76	Clear No odor
2	82.71	95.05	2	10	6/1/2017	84		486	<0.001	<0.001	<0.001	<0.003	57	Clear No odor
2	82.87	95.05	1.9	10	9/11/2017	68		424	<0.001	<0.001	<0.001	<0.003	80	Clear No odor
2	82.83	95.05	2	10	12/1/2017	32	61	396	<0.001	<0.001	<0.001	<0.003	59	Clear No odor
2	82.94	95.05	1.9	10	3/5/2018	56		424	<0.001	<0.001	<0.001	<0.003	67.2	Clear No odor
2	82.96	95.05	1.9	10	6/4/2018	64		448	<0.001	<0.001	<0.001	<0.003	72.4	Clear No odor
2	83.1	95.05	1.9	8	9/10/2018	60		302	<0.001	<0.001	<0.001	<0.003	69.2	Clear No odor
2	83.35	95.05	1.9	10	11/16/2018	64	61	452	<0.001	<0.001	<0.001	<0.003	66.6	Clear No odor
2	83.5	95.05	1.8	10	3/11/2019	60		368	<0.001	<0.001	<0.001	<0.003	66	Clear No odor
2	83.57	95.05	1.8	10	5/31/2019	56		413	<0.001	<0.001	<0.001	<0.003	62	Clear No odor
2	83.62	95.05	1.8	10	8/30/2019	56		422	<0.001	<0.001	<0.001	<0.003	56	Clear No odor
2	83.66	95.05	1.8	10	11/21/2019	56	57	241	<0.001	<0.001	<0.001	<0.003	60	Clear No odor
2	83.68	95.05	1.8	10	3/9/2020	60		424	<0.001	<0.001	<0.001	<0.003	61.9	Clear No odor
2	83.8	95.05	1.8	10	9/14/2020	68	64	353	XXX	XXX	XXX	XXX	55.1	Clear No odor
2	84.29	95.05	1.7	10	3/12/2021	52		193	XXX	XXX	XXX	XXX	56.3	Clear No odor
2	84.33	95.05	1.7	10	6/14/2021	60		430	XXX	XXX	XXX	XXX	56.9	Clear No odor
2	84.37	95.05	1.7	10	9/9/2021	56		403	XXX	XXX	XXX	XXX	67.6	Clear No odor
2	84.4	95.05	1.7	10	11/11/2021	52	55	419	XXX	XXX	XXX	XXX	71.3	Clear No odor
2	84.26	95.05	1.7	10	3/3/2022	56		390	XXX	XXX	XXX	XXX	78.4	Clear No odor
2	84.78	95.05	1.6	10	6/14/2022	60		399	XXX	XXX	XXX	XXX	79.4	Clear No odor
2	84.87	95.05	1.6	10	9/8/2022	60		417	XXX	XXX	XXX	XXX	64.5	Clear No odor



_															
I	2	84.98	95.05	1.6	10	12/2/2022	60	59	412	XXX	XXX	XXX	XXX	56.2	Clear No odor



March 09, 2022

KATIE JONES

Rice Operating Company

112 W. Taylor

Hobbs, NM 88240

RE: VACUUM F-33 BOOT

Enclosed are the results of analyses for samples received by the laboratory on 03/04/22 14:36.

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)

Celey D. Keene

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. Keene



Analytical Results For:

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

Fax To: (575) 397-1471

Received: 03/04/2022 Sampling Date: 03/03/2022 Reported: 03/09/2022 Sampling Type: Water

Project Name: VACUUM F-33 BOOT Sampling Condition: Cool & Intact
Project Number: NOT GIVEN Sample Received By: Jodi Henson

Project Location: T17S-R35E-SEC33 F - LEA CTY, NM

Sample ID: MONITOR WELL #1 (H220871-01)

Chloride, SM4500CI-B	mg,	/L	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride*	352	4.00	03/07/2022	ND	100	100	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*	62.5	10.0	03/08/2022	ND	19.0	94.9	20.0	5.18	
TDS 160.1	mg	/L	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
TDS*	1220	5.00	03/08/2022	ND	505	101	500	1.60	

Sample ID: MONITOR WELL #2 (H220871-02)

Chloride, SM4500CI-B	mg	/L	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride*	56.0	4.00	03/07/2022	ND	100	100	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*	78.4	10.0	03/08/2022	ND	19.0	94.9	20.0	5.18	
TDS 160.1	mg	/L	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
TDS*	390	5.00	03/08/2022	ND	505	101	500	1.60	

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



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

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine

ast Marland - Hobbs, NM 88240 Tel (575) 393-2326	inal	L	al	bo	r	at	0	ri	es	s,	I	no		-			CHA				ID#									JES [*]		,
Fax (575) 393-2476 any Name:		BILL TO		Comp	-					-	PO#			\neg						AN/	LY	SIS	RE	QU	ES	Т						
CE Operating Company		RICE	Ор	erat	ing	Cor	npa	ny						\dashv							or S											_ 6
t Manager:				Addre						eet, C		Zip)			1	1	1	1 1	1	1		1	- 1						1			1
tie Jones		122 W	COLUMN TWO IS NOT	Name and Address of the Owner, where the Owner, which the	THE RESERVE OF THE PARTY NAMED IN	Hobbs	, Nev	w Me	xico 8			1.		-			1					-				1						-
ss: (Street, City, Zip)				Phone							Fax#		97-14	171				00.7														
W Taylor Street ~ Hobbs, New Mexico 88240		(575)	39	3-91	14						(57	5)5	97-1-	+/ 1				B/2						1								
:#:	Fax #: (575)	307	1/17	1												1	33	3010					1	1								
75) 393-9174 Project Name:	(5/5)	391-	141	_			- 0										pel	P B	F													
Project Name: Vacuum F-33 Boo	t				/		1//										tend	Se	Se					- 1								
t Location:	-			Sam	oler S	ignati	té:	Ro	zann	e Joh	nsor	n (575)631-9	310			Ě	PB	r Pb					52					S			100
7S-R35E-Sec33 F ~ Lea County New N	Mexico	-	1	7	K	A											00	ပ်စွ	9					00/9	- 1			2	I			24 Hours
701102	T			MA	TRI	x				RVA THOI		E	SAMP	LING			×	a O	3a C				624	3270		8		la,	S	1		
1		w	H			Т	+	Т	INE	THOL		\dashv			2	~	05/	As B	As	tiles			30B/	-i	_	Ale	1	6	4	0		1
LAB#	(G)rab or (C)omp	# CONTAINERS					8	3			ICE (1-1Liter HDPE)				MTBE 8021B/602	BTEX 8021B/602	TPH 418.1/TX1005 / TX1005 Extended (C35)	Ag	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Pesticides		GC/MS Vol. 8260B/624	GC/MS Semi. Vol. 8270C/625	PCB's 8082/608	Pesticides 8081A/608	BOD, TSS, pH	a, S	Anions (CI, SO4, CO3, HCO3)		Chlorides	17
FIELD CODE	Ő	N Z					2				iter F		022		0218)21E	5 3	tals	etals	olatil	stic		Vol.	Sen	3082	es	BOD, TSS, pH	9	0	S	les	
AB USE	ъ	E	R			ğ	8 4	f c	800	4	1-1	ш	2 (2		8	8	418	Me	Ž	> 0	P P		MS	MS	S'S	ticid	-	ions	ons	fate	Chlorides	
ONLY)rab	8	WATER	SOIL	AIR	SLUDGE	HCI (4 40ml VOA)	HNO	aH.	H ₂ SO ₄	兴	NONE	DATE (2022)	TIME	ITBI		H	Total Metals	딩	TCLP Volatiles	길	RC	3C/	GC/	PCE	Pes	BOI	Cat	Ani	Sulfates	5	
1	9	#	_	Š	₹	S	1	ᄪ	Z	I		Z		-		<u>—</u>	-	+	F	-	+	-	Ů				1	T	T	X	x)	(
Monitor Well #1	G	1	X		Ш	-	+	+	+	\vdash	1	H	3/3	11:30		\vdash	+	+	Н	+	+					\neg	1	\top	T	Х	x >	X
2 Monitor Well #2	G	1	X			4	+	+	+	\vdash	1	H	3/3	13:40	H	\vdash	+	+	Н	+	+	\vdash					十	\top	T	\Box		
							1	\perp	+	1		Н		-	\vdash	\vdash	+	+	\vdash	+	+	\vdash	\vdash		\vdash	1	+	+	\dagger	\Box		
							\perp	_	\perp	_		Н			\vdash	H	-	+	\vdash	+	+	\vdash	\vdash	\vdash	\vdash	\vdash	+	+	+	\vdash	+	\top
			T									Ш					-	+	\vdash	\vdash	+	\vdash	\vdash	\vdash		\vdash	+	+	+	+	+	+
			T			П										Ш		+	\vdash	\vdash	+	\vdash	\vdash	-		Н	+	+	+	+	+	+
	-					П	T	T										1	1	Н	+	-	-	-		H	+	+	+	++	+	+
	_	+	T	\top		П	T	T	T	T								_	_	Н	+	-	1	-	_	H	+	+	+	+	+	+
	+	+	+	\vdash		Н	\top	\top				П										_	1	_		Н	-	+	+	+	+	+
	+	+-	+	\vdash		\Box	\top	\top	\top	\top																				Ш	_	
Dhal Time:	Rece	eived by	<i>r</i>	_	_		_	_	Date	e:	Ti	ime:			Ph	one	Resu	ılts	L	Yes	L	No)									
nquished by: Date: Time:	/	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	, .												Fa	x Re	sults			Yes		No)	Ad	ditio	nal F	ax N	lumb	oer:			
anne Johnson 3 4 2027 14:3	Page	ived B	vr. /1	aho	rator	v Sta	ff)		Date	e:	Т	ime:			RE	MAI	RKS:			-												
nguished by / Date: Time:	Rece	ived b	y. (1	abb	A A	W	Du	1		2111	Inc	6	116.	7-6		_	- 11 5	Resul	60.	kio	nes	@ri	ces	wd	cor	n						
	19	u	1.	14	ev	W						_	14;	70	-	Em	iali r	esui	ıs.		ann											
ivered By: (Circle One)	Samp	ole Cond	dition				(CHE	CKED	D BY:										102	aili		Juc	2010	0.0	3111						
,			Co		Inta			Initio	de)	11	1																					
		Yes	1	Ye	S	1	(Initia	1/	4																						
mpler - UPS - Bus - Other:		No		No	L	Ш			7	1					_															- Control of the Cont		
									7																							



June 21, 2022

KATIE JONES

Rice Operating Company

112 W. Taylor

Hobbs, NM 88240

RE: VACUUM F-33 BOOT

Enclosed are the results of analyses for samples received by the laboratory on 06/15/22 16:25.

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.

Celey D. Keene

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. Keene



Analytical Results For:

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

Received:06/15/2022Sampling Date:06/14/2022Reported:06/21/2022Sampling Type:Water

Project Name: VACUUM F-33 BOOT Sampling Condition: Cool & Intact
Project Number: NOT GIVEN Sample Received By: Tamara Oldaker

Project Location: T17S-R35E-SEC33 F - LEA CTY, NM

Sample ID: MONITOR WELL #1 (H222572-01)

Chloride, SM4500Cl-B	mg	/L	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride*	750	4.00	06/16/2022	ND	100	100	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*	64.5	25.0	06/16/2022	ND	20.2	101	20.0	0.0495	
TDS 160.1	mg	/L	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
TDS*	1590	5.00	06/21/2022	ND	551	110	500	6.75	

Sample ID: MONITOR WELL #2 (H222572-02)

Chloride, SM4500CI-B	mg	/L	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride*	60.0	4.00	06/16/2022	ND	100	100	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*	79.4	10.0	06/16/2022	ND	20.2	101	20.0	0.0495	
TDS 160.1	mg	/L	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
TDS*	399	5.00	06/20/2022	ND	551	110	500	6.75	

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine



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

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg D. Freene

Page 1 CHAIN-OF-CUSTODY AND ANALYSIS REQUEST 101 East Marland - Hobbs, NM 88240 Cardinal Laboratories, Inc. Tel (575) 393-2326 Fax (575) 393-2476 LAB Order ID# Company Name: BILL TO Company: **RICE Operating Company** RICE Operating Company **ANALYSIS REQUEST** (Circle or Specify Method No.) (Street, City, Zip) Katie Jones 122 W Taylor Street ~ Hobbs, New Mexico 88240 (Street, City, Zip) 122 W Taylor Street ~ Hobbs, New Mexico 88240 (575) 393-9174 (575)397-1471 TPH 418.1/TX1005 / TX1005 Extended (C35) (575) 393-9174 (575) 397-1471 Project Name: d Cr Pb Se Hg 6 Vacuum F-33 Boot Project Location: Rozanne Johnson (575)631-9310 T17S-R35E-Sec33 F ~ Lea County New Mexico CO3, HCO3) GC/MS Semi. Vol. 8270C/625 PRESERVATIVE Total Metals Ag As Ba Cd (MATRIX Cations (Ca, Mg, Na, K) SAMPLING H222578 **METHOD** GC/MS Vol. 8260B/624 TCLP Metals Ag As Ba TCLP Volatiles Pesticides 8081A/608 CONTAINERS rCLP Semi Volatiles (G)rab or (C)omp LAB# 8021B/602 BTEX 8021B/602 Moisture Content Anions (CI, SO4, *TCLP Pesticides* PCB's 8082/608 FIELD CODE **DATE** (2022) BOD, TSS, pH SLUDGE LAB USE WATER NaHSO4 H₂SO₄ ONLY NONE HNO3 SOIL MTBE HCL AIR ICE Monitor Well #1 G 1 X 6/14 12:10

Relinquished by: Date: Time: Received by: Phone Results Yes No Rozanne Johnson Fax Results Yes Additional Fax Number Relinquished by: Date: Received By: (Laboratory Staff) REMARKS:

6/14 11:40

121/24

(Circle One) Delivered By:

Sampler - UPS - Bus - Other:

Monitor Well #2

Sample Condition

G

X

CHECKED BY: Intact Yes V

(Initials)

TO.

Email Results: kjones@riceswd.com

rozanne@sdacres.com

₹

24 Hours

Turn Around

Chlorides

X

X

Total Dissolved Solids

X



September 16, 2022

KATIE JONES

Rice Operating Company

112 W. Taylor

Hobbs, NM 88240

RE: VACUUM F-33 BOOT

Enclosed are the results of analyses for samples received by the laboratory on 09/12/22 14:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. 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.

Celey D. Keene

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. Keene



Analytical Results For:

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

Fax To: (575) 397-1471

Received: 09/12/2022 Sampling Date: 09/08/2022 Reported: 09/16/2022 Sampling Type: Water

Project Name: VACUUM F-33 BOOT Sampling Condition: Cool & Intact
Project Number: NOT GIVEN Sample Received By: Tamara Oldaker

Project Location: T17S-R35E-SEC33 F - LEA CTY, NM

Sample ID: MONITOR WELL #1 (H224189-01)

Chloride, SM4500Cl-B	mg,	/L	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride*	550	4.00	09/13/2022	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*	63.6	10.0	09/14/2022	ND	19.2	96.2	20.0	12.6	
TDS 160.1	mg	/L	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
TDS*	1220	5.00	09/15/2022	ND	514	103	500	1.32	

Sample ID: MONITOR WELL #2 (H224189-02)

Chloride, SM4500CI-B	mg	/L	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride*	60.0	4.00	09/13/2022	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*	64.5	10.0	09/14/2022	ND	19.2	96.2	20.0	12.6	
TDS 160.1	mg	/L	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
TDS*	417	5.00	09/16/2022	ND	561	112	500	0.717	

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



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 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

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene

	8 1																					- 1			1 1	
		_	+	+	\vdash	\vdash	\vdash	+	+	+	Н			\vdash	+	+		Н	+				T			
		_	\perp	+	Н	Н	\vdash	+	+	+	Н			H	+	+	\vdash	Н	+	+	\vdash	+	+	\top	\Box	7
			1	+	Н	Н	\vdash	+	+	+	Н			H	+	+	\vdash	Н	+	+	H	1	+	\top	\Box	1
			1	_	Ш	Ш	Н	+	+	+	Н	_	_	H	+	+	\vdash	Н	+	+	H	+	+	+	\vdash	7
		_	+	+	\vdash	Н	H	+	+	+	\vdash	\vdash	_	H	+	+	+	Н	+	+	H	+	+	\perp	\Box	
		Persived by: O. a. a. Date: Time: Pl											Pho	Phone Results					T	No						
Relinquished by: Date: Time:	Received	Received by:										Fax Results					Yes		No	,	Additi	onal	Fax N	lun		
Magain July 1	Received							Dat		T	ime:	A COLUMN TWO		REN	IAR	KS:										
Relinquished by: Date: Time:	T COOLING	J.	(=		,										Ema	il Res	sult									
D. L. and D. v. (Cirolo Ono)	Sample Co	ondition	1			Г	CHE	CKE	D BY	:				1					roz	anne	e@s	dac	res.	com	1	
Delivered By: (Circle One)	Cumpic C	Cool Intact									1															
	Y	es	VY	es 1	1	١.	(Initi																			
Sampler - UPS - Bus - Other:	N	0	N	0		L	7																			

Released to Imaging: 6/22/2023

Received by OCD: 3/30/2023 10:57:37

Sampler - UPS - Bus - Other:



December 12, 2022

KATIE JONES

Rice Operating Company

112 W. Taylor

Hobbs, NM 88240

RE: VACUUM F-33 BOOT

Enclosed are the results of analyses for samples received by the laboratory on 12/02/22 15:40.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. 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.

Celey D. Keene

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. Keene



12/02/2022

Water

Analytical Results For:

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

Received: 12/02/2022 Sampling Date:
Reported: 12/12/2022 Sampling Type:

Project Name: VACUUM F-33 BOOT Sampling Condition: Cool & Intact
Project Number: NOT GIVEN Sample Received By: Tamara Oldaker

Project Location: T17S-R35E-SEC33 F - LEA CTY, NM

Sample ID: MONITOR WELL #1 (H225677-01)

Chloride, SM4500Cl-B	mg	/L	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride*	610	4.00	12/05/2022	ND	100	100	100	0.00	
Sulfate 375.4	mg	/L	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Sulfate*	48.7	25.0	12/05/2022	ND	18.4	92.0	20.0	5.55	
TDS 160.1	mg	/L	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
TDS*	1360	5.00	12/08/2022	ND	504			0.807	

Sample ID: MONITOR WELL #2 (H225677-02)

Chloride, SM4500CI-B	mg	/L	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride*	60.0	4.00	12/05/2022	ND	100	100	100	0.00	
Sulfate 375.4	mg	/L	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Sulfate*	56.2	25.0	12/05/2022	ND	18.4	92.0	20.0	5.55	
TDS 160.1	mg	/L	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
TDS*	412	5.00	12/08/2022	ND	504			0.807	

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



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 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

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Kune

																													-	-	-	C		1_	_
			_	_				-			T						C	HA	IN-	OF	-Cl	JST	OE	Y	AN	D A	AN/	ALY	SIS	SR	EQ	UE	ST		4
101 East Marland - Hobbs, NM 88240 Tel (575) 393-2326 Cardi	na		a	bo	r	at	to	ri	les	,	11	n	c.		Г				L	AB C	Orde	r ID	#_						_		_				4 of
Fax (575) 393-2476 Company Name:		BILL TO		Comp	-	_	_	_		THE REAL PROPERTY.	PO#										AN	AL'	YSI	SF	REC	วบ	ES	Т							Page 4
RICE Operating Company		RICE	Op	era Addre	ALC: UNKNOWN	Co	mpa	ny	(Stre	et, C	City, Z	Zip)								((Circl	e or	Spe	cify	Me	tho	d No).)		,	,		,	1	۵
roject Manager: Katie Jones		122 W	Taylo			Hobb	s, Nev	v Me	exico 8	8240	0																								L
Address: (Street, City, Zip)				Phon							Fax#		97-1	471					00.7																
122 W Taylor Street ~ Hobbs, New Mexico 88240	Fax #:	(575)	39	3-9	1/4			-			(37	3)3	31-1	7/1	l		(2)		Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7																
(575) 393-9174	(575)	397-	147	1				_				_			1		d (C3		9 601	g															
Project #: Project Name: Vacuum F-33 Boot				/	/) /	1									ende		Se Hg	Se H															
Project Location:				Sam	pler S	ignat	ure:	Ro	zanne	Joh	nson	n (57	5)631-	9310	1		5 Ext		r Pb	r Pb					30	67					(603				Turn Around Time ~ 24 Hours
T17S-R35E-Sec33 F ~ Lea County New M	exico			1	1	1		PR	ESER	VA	TIVE		0.444	21.12.0	1		X100		O PO	B					1 00					5	3 5	5	ls l		24 H
		6	L	M	ALPH	X	1		MET				SAMI	PLING	1		7/5		s Ba	Is Ba		les		00/07	POIG	. 82		7608		No K	CO		Solic		ne ~
H225677	dw	# CONTAINERS					(A)				IDPE)				3/602	BTEX 8021B/602	TPH 418.1/TX1005 / TX1005 Extended (C35)		Ag A	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	Volati	ean	RCI	020	GC/MS Semi. Vol. 82/UC/823	1,608	Pesticides 8081A/608	됩.	Moisture Content	Cations (CI SO4 CO3 HCO3)	3	Total Dissolved Solids		II Pu
FIELD CODE	(G)rab or (C)omp	AN	_			ш	HCL (4 40ml VOA)		4		ICE (1-1Liter HDPE)		DATE (2022)		8021B/602	021E	8.17	270C	etals	letals	olatil	TCLP Semi Volai	Onea.	3	0 0	Sem	PCB's 8082/608	des 8	BOD, TSS, pH	e C		Se	Disso	des	Arour
(LAB USE)	ab or	NO NO	WATER	_		SLUDGE	4)	HNO	NaHSO4	H ₂ SO ₄	1-1	NONE	TE (¥	MTBE	EX	I 4	PAH 8270C	tal M	LP N	۲. ا	LP S	į	5 5	2 3	C/MS	CB's	estici	9	oistu	ation	Sulfates	otal	Chlorides	nrn
ONLY	(<u>G</u>	#	Š	SOIL	AIR	SLI	달	Z	Na	H		ž	STATE OF THE PERSON	TIME	_	F	F	PA	۴			4	3 2	2 0	5 0	Ö	ă	4	m	2 0	0 4	X	-	X	F
Monitor Well #1	G	1	Х	+	Н	\dashv	+	+	+		1	Н	12/2	+	_	+	+	+	+	Н	\forall	+	+	+	+	+	\forall	\dashv	+	\dagger	+	X	-	Х	
て Monitor Well #2	G	1	X	\vdash	Н	Н	+	+	+		1	Н	12/2	9:55	+	+	+	†	†	Н	H	\dagger	+	\top	\top						I	I			
	+	+	+	+	\vdash	H	+	†	\top		Н				T	T	T	I	I				\perp	\perp	1				4	1	+	+	-	_	\vdash
	+	T	\dagger					I							1	1	1	1	1		Н	+	+	+	+	\dashv	-	\dashv	+	+	+	+	+	-	\vdash
			I				1	1	_				_	-	+	+	+	+	+	\vdash	Н	+	+	+	+	\dashv		\dashv	1	+	+	+	+		\vdash
	_	_	+	-	-	Н	+	+	+	\vdash	\vdash		\vdash	-	+	+	+	+	+	\vdash	Н	+	+	+	\forall						+				
	+	+-	+	+	+	Н	+	+	+	\vdash	+	\vdash	\vdash	+	†	+	\dagger	\dagger	+	T					\exists							I	I		L
71	+	+	+	+	+	Н	\top	\dagger	+						I	I			I				1									\perp		L	
Relinquished by: Date: Time:	Rece	eived by				1	111	1	Date	:			150		-	_		esult	s	+	Ye	_	+	No	_			-15		Muse	hor		_	_	
Rozenne Johnson 122 107 15:40 Redinquished by Date: Time:		M	M	orc	3 6	Kl.	da	1	XX		CONTRACTOR OF STREET	SHOW WHEN	2-0	22			Resu	_			Ye	S		No		Add	litioi	nai r	ax	Null	ber:				
Refinquished by Date: Time:	Rece	eived B	y: (Labo	rator	y Sta	att)	1	Date		11	ime:			ľ			il Re	euk	te.	kio	one	sa	rice	esv	vd.	con	n							
	-				_	_		LIE	CKED	BV-					┨	-	mai	II Ke	Sui	13.		zan													
Delivered By: (Circle One)	Sam	ole Cond	Co	ool	Inta	ct									1																				
		Yes	F	Ye	-		(Initia	als						١																				
Sampler - UPS - Bus - Other:		No	1	No	L			/ -				-			_																				

Released to Imaging: 6/22/2023 3:33:15 PM

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

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 202296

CONDITIONS

Operator:	OGRID:
RICE OPERATING COMPANY	19174
122 W Taylor	Action Number:
Hobbs, NM 88240	202296
	Action Type:
	[UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

CONDITIONS

Created By		Condition Date
michael.buchanan	Review of the 2022 Annual Groundwater Report for RICE Vaccum F-33 Boot: Content Satisfactory 1. Continue groundwater recovery and groundwater monitoring on a quarterly basis. 2. Submit the 2023 Annual Groundwater Report by April 1, 2024.	6/22/2023