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

#### **April 1, 2024**

#### **Nelson Velez**

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

> RE: 2023 Annual Groundwater Report Rice Operating Company – Hobbs SWD System Hobbs K-29 EOL Boot (1R428-50): UL/K, Sec. 29, T18S, R38E NMOCD Incident ID: nAPP2110246888

Mr. Velez:

ROC is the service provider (agent) for the Hobbs 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 system is now abandoned.

The site is located approximately 2.37 miles west of Hobbs, New Mexico at UL/K, Sec. 29, T18S, R38E as shown on the Geographical Location Map. Groundwater sampling at the site indicates that the depth to groundwater is located at approximately 67 feet below ground surface (bgs).

An Investigation and Characterization Plan (ICP) was submitted to NMOCD on April 4<sup>th</sup>, 2008 and approved on May 21<sup>st</sup>, 2008. According to the ICP, the site was investigated through vertical and soil bore installation, resulting in elevated chloride concentrations that decreased with depth. Based on the investigation, two monitoring wells were installed to determine groundwater quality and the wells have been sampled regularly since installation.

A Corrective Action Plan (CAP) was submitted and approved by NMOCD on February 5<sup>th</sup>, 2015. According to the NMOCD approved CAP, a 63x53-ft 20-mil reinforced liner was installed and properly seated at 4 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 September 8<sup>th</sup>, 2015. The report also requested an additional monitoring well (MW-3) be installed down-gradient of the site. NMOCD approved this report and granted 'Soil Closure' on September 15<sup>th</sup>, 2015. On October 2<sup>nd</sup>, 2015, the down-gradient well (MW-3) was installed, and lithology soil samples were collected at regular intervals.

ROC submitted the 2018 Annual Report and Addendum with a request to plug and abandon MW-1 and replace it with a 4-inch well to be used for groundwater recovery. NMOCD approved the request on September 5<sup>th</sup>, 2019. On November 12<sup>th</sup>, 2019, the well was plugged

using a cement grout with 1-3% bentonite and a three ft cap of cement at the surface. A 4-inch well (MW-1R) was installed approximately 10 ft southeast of the former well and lithology samples were collected at regular intervals.

All wells have been sampled regularly per NMOCD guidelines since installation. The attached table summarizes the analytical results from groundwater samples collected from the monitor wells at the site. The most recent sampling event resulted in a chloride concentration of 500 mg/L in MW-1R, 84 mg/L in MW-2, and 108 mg/L in MW-3. BTEX concentrations have remained below detectable limit in each well since installation. In 2020, ROC received NMOCD approval to cease BTEX sampling. On January 31<sup>st</sup>, 2022, NMOCD granted approval to cease further sampling of MW-2 and MW-3. ROC will continue to grab samples from MW-2, as needed, to ensure there are no non-ROC, up-gradient sources contributing to the degradation of groundwater quality. ROC will continue quarterly sampling in 2024.

Attached is the Appendix, which contains:

- 1. A Geographical Location Map.
- 2. A map showing well locations and groundwater gradient.
- 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 2023.

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

Sincerely,

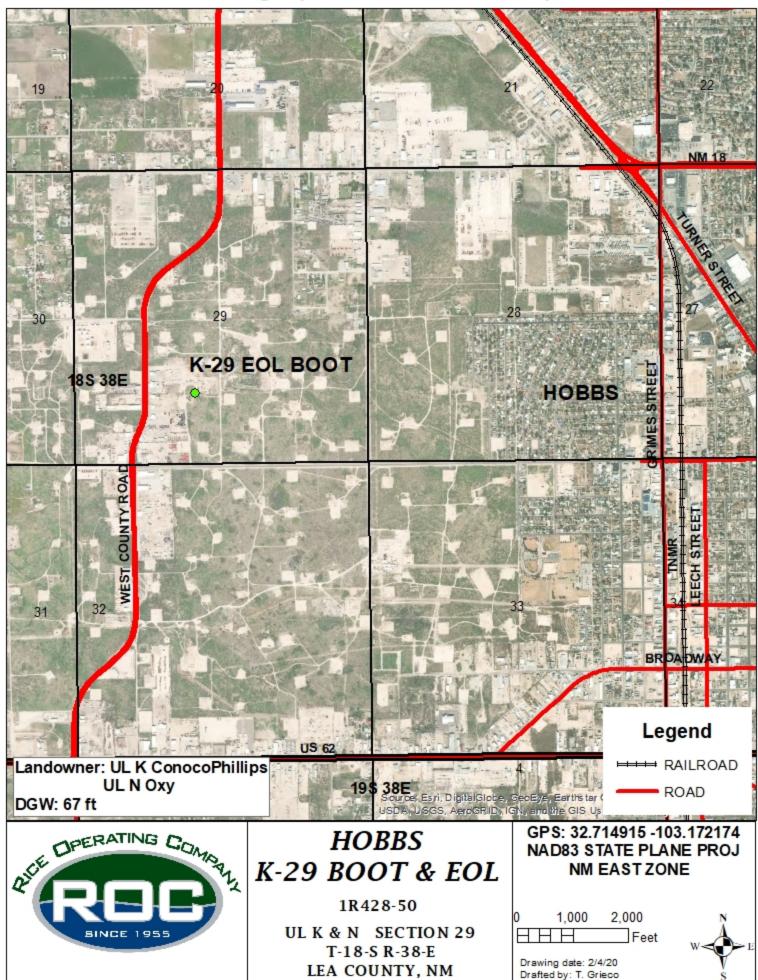
Katie Davis

**Environmental Manager** 

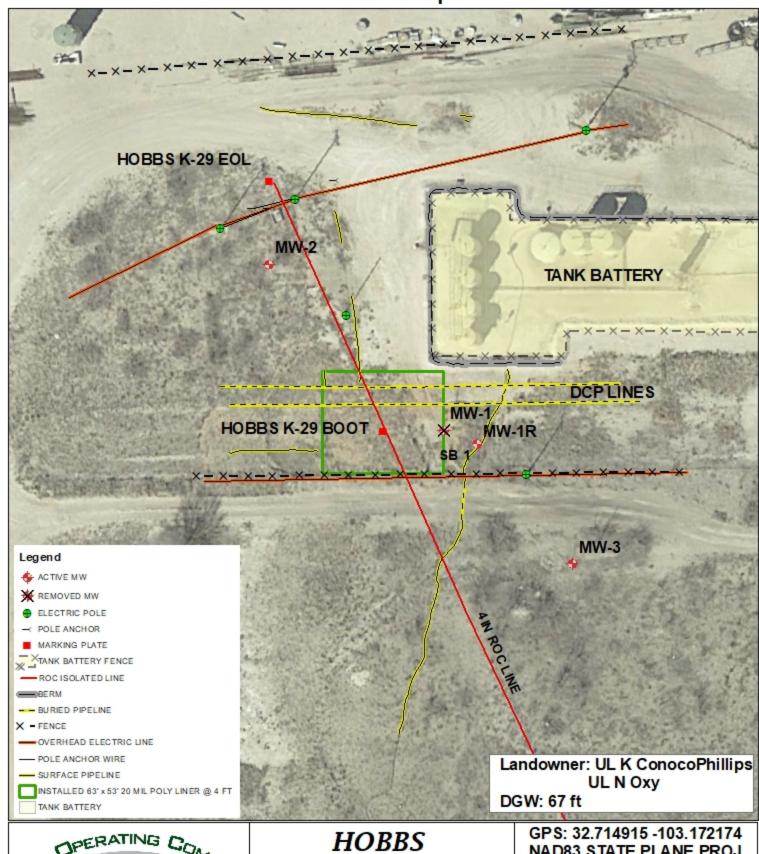
Katy Davis

RICE Operating Company (ROC)

appendix



## Site Map





# K-29 BOOT & EOL

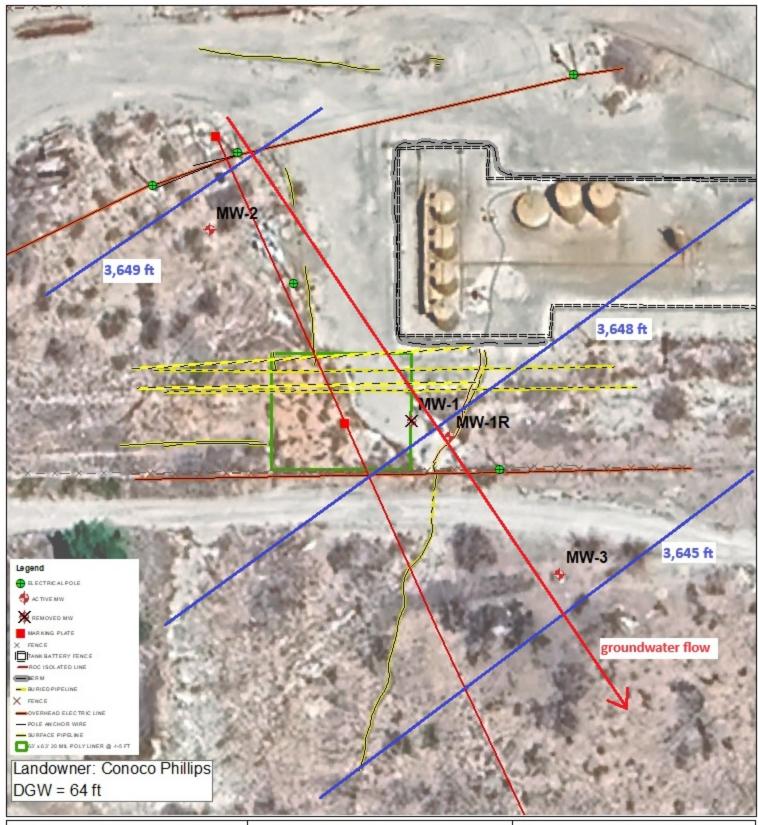
1R428-50

ULK&N SECTION 29 T-18-S R-38-E LEA COUNTY, NM

### NAD83 STATE PLANE PROJ NM EAST ZONE

25 50 GPS date: 11/03/14 TG

Drawing date: 2/4/20 Drafted by: T. Grieco

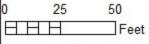




## HOBBS K-29 EOL BOOT

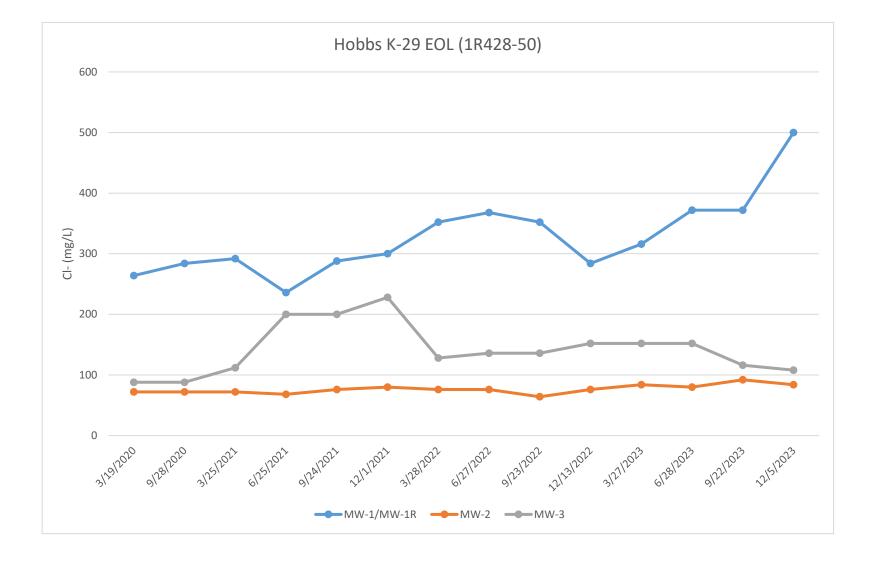
1R428-50

UL K & N SECTION 29 T-18-S R-38-E LEA COUNTY, NM GPS: 32.715092 -103.172290 NAD83 STATE PLANE PROJ NM EAST ZONE



GPS date: 10/14/14 TG Drawing date: 3/21/24 Drafted by: T. Grieco





ROC - Hobbs K-29 EOL (1R428-50) Unit Letter K, Section 29, T18S, R38E

MW	Depth to	Total	Well	Volume	Sample Date	Cl	TDS	Benzene	Toluene	Ethyl	Total	Sulfate	Comments
IVIVV	Water	Depth	Volume	Purged	Sample Date	Ci	103	Delizene	Toluene	Benzene	Xylenes	Juliate	Comments
1	62.34	73.6	1.8	6	7/14/2009	520	1,310	<0.001	<0.001	<0.001	<0.003	57	Silt to clear Slight odor
1	62.43	73.6	1.8	6	10/27/2009	332	757	0.001	<0.001	0.002	<0.003	59.5	Silt to clear Slight odor
1	62.72	73.62	1.7	6	3/15/2010	476	1,170	<0.001	<0.001	<0.001	<0.003	71.5	Silt to clear Slight odor
1	62.81	73.62	1.7	6	6/4/2010	432	1,320	<0.001	<0.001	<0.001	<0.003	78	Silt to clear Slight odor
1	62.56	73.62	1.8	6	8/30/2010	540	1,400	< 0.001	<0.001	<0.001	<0.003	51.7	Silt to clear Slight odor
1	62.91	73.62	1.7	6	12/10/2010	560	1,280	< 0.001	<0.001	<0.001	<0.003	67.9	Silt to clear Slight odor
1	63.05	73.62	1.7	6	3/23/2011	610	1,620	<0.001	<0.001	<0.001	<0.003	76.9	Silt to clear Slight odor
1	63.22	73.62	1.7	6	6/20/2011	540	1,280	<0.001	<0.001	<0.001	<0.003	71.9	Silt to clear Slight odor
1	63.44	73.62	1.6	6	9/20/2011	610	1,470	<0.001	<0.001	<0.001	<0.003	82.1	Silt to clear Slight odor
1	63.62	73.62	1.6	6	12/15/2011	540	1,320	<0.001	<0.001	<0.001	<0.003	87.2	Silt to clear Slight odor
1	63.78	73.62	1.6	6	3/13/2012	570	1,360	0.003	<0.001	<0.001	<0.003	74.2	Silt to clear Slight odor
1	63.93	73.62	1.6	6	6/11/2012	500	1,410	<0.001	<0.001	<0.001	<0.003	85.5	Silt to clear Slight odor
1	64.14	73.62	1.5	6	9/6/2012	500	1,280	<0.001	<0.001	<0.001	<0.003	77.6	Silt to clear Slight odor
1	64.3	73.62	1.5	6	11/29/2012	550	1,340	<0.001	<0.001	<0.001	<0.003	71.5	Silt to clear Slight odor
1	64.48	73.62	1.5	6	3/7/2013	492	1,220	<0.001	<0.001	<0.001	<0.003	88	Silt to clear Slight odor
1	64.69	73.62	1.4	6	6/24/2013	344	1,060	<0.001	<0.001	<0.001	<0.003	63	Silt to clear Slight odor
1	64.95	73.62	1.4	8	9/16/2013	336	987	<0.001	<0.001	<0.001	<0.003	88	Silt to clear Slight odor
1	65.15	73.62	1.4	6	12/12/2013	352	1,130	<0.001	<0.001	<0.001	<0.003	194	Silt to clear Slight odor
1	65.29	73.62	1.3	6	3/19/2014	352	1,080	<0.001	<0.001	<0.001	<0.003	112	Silt to clear Slight odor
1	65.49	73.62	1.3	6	6/16/2014	264	864	<0.001	<0.001	<0.001	<0.003	64.2	Silt to clear Slight odor
1	65.78	73.62	1.3	6	9/10/2014	352	1,150	<0.001	<0.001	<0.001	<0.003	250	Silt to clear Slight odor
1	65.63	73.62	1.3	6	12/17/2014	300	904	<0.001	<0.001	<0.001	<0.003	158	Silt to clear Slight odor
1	65.78	73.62	1.3	6	3/17/2015	264	904	<0.001	<0.001	<0.001	<0.003	73	Silt to clear Slight odor
1	65.88	73.62	1.2	6	6/16/2015	320	1,020	<0.001	<0.001	<0.001	<0.003	86	Silt to clear Slight odor
1	65.93	73.65	1.2	6	9/17/2015	316	1,050	<0.001	<0.001	<0.001	<0.003	144	Silt to clear Slight odor
1	65.65	73.65	1.2	6	12/1/2015	252	764	<0.001	<0.001	<0.001	<0.003	79.9	Silt to clear Slight odor
1	65.9	73.65	1.2	6	3/28/2016	416	1,120	<0.001	<0.001	<0.001	<0.003	58.7	Silt to clear Slight odor
1	66.05	73.65	1.2	6	6/23/2016	490	1,430	<0.001	<0.001	<0.001	<0.003	62.4	Silt to clear Slight odor
1	65.93	73.65	1.2	6	9/26/2016	640	1,940	<0.001	<0.001	<0.001	<0.003	73	Silt to clear Slight odor

ROC - Hobbs K-29 EOL (1R428-50) Unit Letter K, Section 29, T18S, R38E

MW	Depth to	Total	Well	Volume	Sample Date	Cl	TDS	Benzene	Toluene	Ethyl	Total	Sulfate	Comments
	Water	Depth	Volume	Purged	sample Bate	5	.50	Denzene	Toruciic	Benzene	Xylenes	Janace	Comments
1	65.67	73.65	1.3	6	12/5/2016	500	1,420	<0.001	<0.001	<0.001	<0.003	72	Silt to clear Slight odor
1	65.91	73.65	1.2	6	3/20/2017	610	1,520	<0.001	<0.001	<0.001	<0.003	78	Silt to clear Slight odor
1	66.26	73.65	1.2	6	6/22/2017	620	1,690	<0.001	<0.001	<0.001	<0.003	81	Silt to clear Slight odor
1	66.28	73.65	1.2	6	9/25/2017	460	1,780	<0.001	<0.001	<0.001	<0.003	74	Silt to clear Slight odor
1	66.32	73.65	1.2	6	12/21/2017	510	1,290	<0.001	<0.001	<0.001	<0.003	80	Silt to clear Slight odor
1	66.46	73.62	1.1	6	3/20/2018	550	1,410	<0.001	<0.001	<0.001	<0.003	70.9	Silt to clear Slight odor
1	66.62	73.62	1.1	6	6/26/2018	550	1,380	<0.001	<0.001	<0.001	<0.003	67.8	Silt to clear Slight odor
1	66.77	73.62	1.1	6	9/18/2018	500	1,240	<0.001	<0.001	<0.001	<0.003	71.6	Silt to clear Slight odor
1	66.81	73.62	1.1	6	12/20/2018	500	1,310	<0.001	<0.001	<0.001	<0.003	89.8	Silt to clear Slight odor
1	66.94	73.65	1.1	6	3/25/2019	660	1,620	<0.001	<0.001	<0.001	<0.003	67	Silt to clear Slight odor
1	67.08	73.65	1	6	6/24/2019	620	1,610	<0.001	<0.001	<0.001	<0.003	66	Silt to clear Slight odor
1	67.15	73.65	1	6	9/23/2019	640	1,670	<0.001	<0.001	<0.001	<0.003	62	Silt to clear Slight odor
1R	67.46	112.78	29	100	12/9/2019	200	730	<0.001	<0.001	<0.001	<0.003	70.7	Silt to clear Slight odor
1R	67.63	112.78	29.3	100	3/19/2020	264	822	<0.001	<0.001	<0.001	<0.003	73.5	Silt to clear Slight odor
1R	67.88	112.78	29.2	100	9/28/2020	284	674	XXX	XXX	XXX	XXX	62	Silt to clear Slight odor
1R	68.15	112.78	29	100	3/25/2021	292	913	XXX	XXX	XXX	XXX	75.5	Silt to clear Slight odor
1R	68.33	112.78	29	100	6/25/2021	236	927	XXX	XXX	XXX	XXX	126	Silt to clear Slight odor
1R	68.27	112.78	29	100	9/24/2021	288	939	XXX	XXX	XXX	XXX	79.3	Silt to clear Slight odor
1R	68.17	112.78	29	100	12/1/2021	300	955	XXX	XXX	XXX	XXX	78	Silt to clear Slight odor
1R	68.58	112.78	29	100	3/28/2022	352	889	XXX	XXX	XXX	XXX	54.6	Silt to clear Slight odor
1R	68.72	112.78	29	100	6/27/2022	368	1,160	XXX	XXX	XXX	XXX	64.2	Silt to clear Slight odor
1R	68.84	112.78	29	100	9/23/2022	352	1,060	XXX	XXX	XXX	XXX	63.6	Silt to clear Slight odor
1R	69.02	112.78	29	100	12/13/2022	284	880	XXX	XXX	XXX	XXX	90.8	Silt to clear Slight odor
1R	69.13	112.78	28.4	100	3/27/2023	316	929	XXX	XXX	XXX	XXX	70.5	Silt to clear Slight odor
1R	69.29	112.78	28.3	100	6/28/2023	372	1,120	XXX	XXX	XXX	XXX	111	Silt to clear Slight odor
1R	69.37	112.78	28.2	100	9/22/2023	372	1,130	XXX	XXX	XXX	XXX	62.8	Silt to clear Slight odor
1R	69.48	112.78	28.1	100	12/5/2023	500	1,530	XXX	XXX	XXX	XXX	229	Silt to clear Slight odor

ROC - Hobbs K-29 EOL (1R428-50) Unit Letter K, Section 29, T18S, R38E

MW	Depth to	Total	Well	Volume	Sample Date	Cl	TDS	Benzene	Toluene	Ethyl	Total	Sulfate	Comments
	Water	Depth	Volume	Purged	Sample Bate	<u> </u>	100	Benzene	Toracric	Benzene	Xylenes	Janace	Comments
2	63.67	77.41	2.2	8	3/13/2012	68	522	<0.001	<0.001	<0.001	<0.003	83.2	Silt to clear Slight odor
2	63.87	77.41	2.2	8	6/11/2012	68	474	<0.001	<0.001	<0.001	<0.003	86.4	Silt to clear Slight odor
2	64.02	77.41	2.1	8	9/6/2012	64	500	< 0.001	<0.001	<0.001	<0.003	88.2	Silt to clear Slight odor
2	64.22	77.41	2.1	8	11/29/2012	68	521	< 0.001	<0.001	<0.001	<0.003	88.5	Silt to clear Slight odor
2	64.41	77.41	2.1	8	3/7/2013	72	478	< 0.001	<0.001	<0.001	<0.003	95	Silt to clear Slight odor
2	64.65	77.41	2	8	6/24/2013	68	504	<0.001	<0.001	<0.001	<0.003	83	Silt to clear Slight odor
2	64.86	77.41	2	8	9/16/2013	64	485	<0.001	<0.001	<0.001	<0.003	75.3	Silt to clear Slight odor
2	65.04	77.41	2	8	12/12/2013	64	473	<0.001	<0.001	<0.001	<0.003	93.4	Silt to clear Slight odor
2	65.24	77.41	1.9	8	3/19/2014	68	426	< 0.001	<0.001	<0.001	<0.003	88.2	Silt to clear Slight odor
2	65.51	77.41	1.9	8	6/16/2014	68	572	<0.001	<0.001	<0.001	<0.003	82.5	Silt to clear Slight odor
2	65.74	77.41	1.9	8	9/10/2014	64	512	<0.001	<0.001	<0.001	<0.003	98.1	Silt to clear Slight odor
2	65.57	77.41	1.9	8	12/17/2014	68	482	<0.001	<0.001	<0.001	<0.003	87	Silt to clear Slight odor
2	65.72	77.41	1.9	8	3/17/2015	52	452	< 0.001	<0.001	<0.001	<0.003	77	Silt to clear Slight odor
2	65.84	77.41	1.9	8	6/16/2015	72	518	<0.001	<0.001	<0.001	<0.003	70	Silt to clear Slight odor
2	65.88	77.41	1.9	8	9/17/2015	72	546	<0.001	<0.001	<0.001	<0.003	63.3	Silt to clear Slight odor
2	65.57	77.41	1.9	8	12/1/2015	72	558	< 0.001	<0.001	<0.001	<0.003	87	Silt to clear Slight odor
2	65.84	77.41	1.9	8	3/28/2016	68	556	< 0.001	<0.001	<0.001	<0.003	76.8	Silt to clear Slight odor
2	65.96	77.41	1.8	8	6/23/2016	76	506	<0.001	<0.001	<0.001	<0.003	110	Silt to clear Slight odor
2	65.86	77.41	1.8	8	9/26/2016	68	544	< 0.001	<0.001	<0.001	<0.003	95	Silt to clear Slight odor
2	65.6	77.41	1.9	8	12/5/2016	92	560	<0.001	<0.001	<0.001	<0.003	107	Silt to clear Slight odor
2	65.84	77.41	1.9	8	3/20/2017	68	540	<0.001	<0.001	<0.001	<0.003	72	Silt to clear Slight odor
2	66.18	77.41	1.8	8	6/22/2017	72	532	<0.001	<0.001	<0.001	<0.003	82	Silt to clear Slight odor
2	66.21	77.41	1.8	8	9/25/2017	72	714	<0.001	<0.001	<0.001	<0.003	92	Silt to clear Slight odor
2	66.28	77.41	1.8	8	12/21/2017	92	526	<0.001	<0.001	<0.001	<0.003	98	Silt to clear Slight odor
2	66.41	77.41	1.8	8	3/20/2018	64	404	<0.001	<0.001	<0.001	<0.003	94.7	Silt to clear Slight odor
2	66.55	77.41	1.7	8	6/26/2018	72	638	<0.001	<0.001	<0.001	<0.003	71.6	Silt to clear Slight odor
2	66.71	77.41	1.7	8	9/18/2018	64	520	<0.001	<0.001	<0.001	<0.003	86.2	Silt to clear Slight odor
2	66.74	77.41	1.7	8	12/20/2018	64	510	<0.001	<0.001	<0.001	<0.003	121	Silt to clear Slight odor
2	66.89	77.41	1.7	8	3/25/2019	76	543	<0.001	<0.001	<0.001	<0.003	94	Silt to clear Slight odor

ROC - Hobbs K-29 EOL (1R428-50) Unit Letter K, Section 29, T18S, R38E

MW	Depth to	Total	Well	Volume	Sample Date	Cl	TDS	Benzene	Toluene	Ethyl	Total	Sulfate	Comments
	Water	Depth	Volume	Purged	· ·					Benzene	Xylenes		
2	67.02	77.41	1.7	8	6/24/2019	68	603	<0.001	<0.001	<0.001	<0.003	34	Silt to clear Slight odor
2	67.09	77.41	1.7	8	9/23/2019	68	496	<0.001	<0.001	<0.001	<0.003	103	Silt to clear Slight odor
2	67.28	77.41	1.6	8	12/9/2019	72	561	<0.001	<0.001	<0.001	<0.003	85	Silt to clear Slight odor
2	67.45	77.41	1.6	8	3/19/2020	72	526	<0.001	<0.001	<0.001	<0.003	72	Silt to clear Slight odor
2	67.72	77.41	1.6	8	9/28/2020	72	460	XXX	XXX	XXX	XXX	79	Silt to clear Slight odor
2	68	77.41	1.5	8	3/25/2021	72	517	XXX	XXX	XXX	XXX	99.6	Silt to clear Slight odor
2	68.18	77.41	1.5	8	6/25/2021	68	539	XXX	XXX	XXX	XXX	91.6	Silt to clear Slight odor
2	68.18	77.41	1.5	8	9/24/2021	76	542	XXX	XXX	XXX	XXX	103	Silt to clear Slight odor
2	68.03	77.41	1.5	8	12/1/2021	80	572	XXX	XXX	XXX	XXX	91	Silt to clear Slight odor
2	68.41	77.41	1.4	8	3/28/2022	76	501	XXX	XXX	XXX	XXX	74.6	Silt to clear Slight odor
2	68.54	77.41	1.4	8	6/27/2022	76	538	XXX	XXX	XXX	XXX	87.1	Silt to clear Slight odor
2	68.69	77.41	1.4	8	9/23/2022	64	450	XXX	XXX	XXX	XXX	76	Silt to clear Slight odor
2	68.83	77.41	1.4	6	12/13/2022	76	526	XXX	XXX	XXX	XXX	80.6	Silt to clear Slight odor
2	68.97	77.41	1.4	6	3/27/2023	84	563	XXX	XXX	XXX	XXX	67.4	Silt to clear Slight odor
2	69.12	77.41	1.3	8	6/28/2023	80	536	XXX	XXX	XXX	XXX	72	Silt to clear Slight odor
2	69.21	77.41	1.3	6	9/22/2023	92	606	XXX	XXX	XXX	XXX	81.4	Silt to clear Slight odor
2	69.32	77.41	1.3	6	12/5/2023	84	591	XXX	XXX	XXX	XXX	106	Silt to clear Slight odor

MW	Depth to	Total	Well	Volume	Sample Date	Cl	TDS	Benzene	Toluene	Ethyl	Total	Sulfate	Comments
IVIVV	Water	Depth	Volume	Purged	Sample Date	J	103	Delizelle	Toluene	Benzene	Xylenes	Juliate	Comments
3	64.23	110.22	29.9	120	12/1/2015	220	784	<0.001	<0.001	<0.001	<0.003	65	Silt to clear Slight odor
3	64.18	110.22	30	100	3/28/2016	296	960	<0.001	<0.001	<0.001	<0.003	65	Silt to clear Slight odor
3	64.6	110.22	30	100	6/23/2016	510	1,240	<0.001	<0.001	<0.001	<0.003	62	Silt to clear Slight odor
3	64.45	110.22	30	100	9/26/2016	540	1,600	<0.001	<0.001	<0.001	<0.003	67	Silt to clear Slight odor
3	64.18	110.22	30	100	12/5/2016	560	1,400	<0.001	<0.001	<0.001	<0.003	71	Silt to clear Slight odor
3	64.5	110.22	30	100	3/20/2017	570	1,520	<0.001	<0.001	<0.001	<0.003	96	Silt to clear Slight odor
3	64.83	110.22	30	100	6/22/2017	510	1,560	<0.001	<0.001	<0.001	<0.003	78	Silt to clear Slight odor
3	64.85	110.22	30	100	9/25/2017	540	1,800	<0.001	<0.001	<0.001	<0.003	71	Silt to clear Slight odor

ROC - Hobbs K-29 EOL (1R428-50) Unit Letter K, Section 29, T18S, R38E

D 414/	Depth to	Total	Well	Volume	Camaria Data	CI	TDC	D	T-1	Ethyl	Total	Culfata	Camananta
MW	Water	Depth	Volume	Purged	Sample Date	Cl	TDS	Benzene	Toluene	Benzene	Xylenes	Suitate	Comments
3	64.88	110.22	30	100	12/21/2017	300	980	<0.001	<0.001	<0.001	<0.003	45	Silt to clear Slight odor
3	65.02	110.22	29.4	100	3/20/2018	164	662	<0.001	<0.001	<0.001	<0.003	77.2	Silt to clear Slight odor
3	65.11	110.22	29.3	100	6/26/2018	268	984	<0.001	<0.001	<0.001	<0.003	130	Silt to clear Slight odor
3	65.26	110.22	29.2	100	9/18/2018	236	584	<0.001	<0.001	<0.001	<0.003	91.1	Silt to clear Slight odor
3	65.28	110.22	29.2	100	12/20/2018	108	474	<0.001	<0.001	<0.001	<0.003	60.9	Silt to clear Slight odor
3	65.49	110.22	29	100	3/25/2019	88	614	<0.001	<0.001	<0.001	<0.003	88	Silt to clear Slight odor
3	65.63	110.22	29	100	6/24/2019	100	627	<0.001	<0.001	<0.001	<0.003	55	Silt to clear Slight odor
3	65.7	110.22	29	100	9/23/2019	152	634	<0.001	<0.001	<0.001	<0.003	92	Silt to clear Slight odor
3	65.88	110.22	29	100	12/9/2019	96	628	<0.001	<0.001	<0.001	<0.003	58	Silt to clear Slight odor
3	66.03	110.22	28.7	100	3/19/2020	88	616	<0.001	<0.001	<0.001	<0.003	88	Silt to clear Slight odor
3	66.31	110.22	28.5	100	9/28/2020	88	544	XXX	XXX	XXX	XXX	79.8	Silt to clear Slight odor
3	66.57	110.22	28	100	3/25/2021	112	698	XXX	XXX	XXX	XXX	99.2	Silt to clear Slight odor
3	66.62	110.22	28	100	6/25/2021	200	781	XXX	XXX	XXX	XXX	87.6	Silt to clear Slight odor
3	66.69	110.22	28	100	9/24/2021	200	760	XXX	XXX	XXX	XXX	88.2	Silt to clear Slight odor
3	66.55	110.22	28	100	12/1/2021	228	776	XXX	XXX	XXX	XXX	74.4	Silt to clear Slight odor
3	67.01	110.22	28	100	3/28/2022	128	620	XXX	XXX	XXX	XXX	64.4	Silt to clear Slight odor
3	67.08	110.22	28	100	6/27/2022	136	675	XXX	XXX	XXX	XXX	105	Silt to clear Slight odor
3	67.23	110.22	28	100	9/23/2022	136	678	XXX	XXX	XXX	XXX	69.1	Silt to clear Slight odor
3	67.42	110.22	28	100	12/13/2022	152	655	XXX	XXX	XXX	XXX	75.9	Silt to clear Slight odor
3	67.56	110.22	27.7	100	3/27/2023	152	695	XXX	XXX	XXX	XXX	72.9	Silt to clear Slight odor
3	67.72	110.22	28	100	6/28/2023	152	689	XXX	XXX	XXX	XXX	66.2	Silt to clear Slight odor
3	67.8	110.22	27.6	100	9/22/2023	116	671	XXX	XXX	XXX	XXX	108	Silt to clear Slight odor
3	67.91	110.22	27.5	100	12/5/2023	108	509	XXX	XXX	XXX	XXX	61.8	Silt to clear Slight odor



April 04, 2023

KATIE JONES

Rice Operating Company

112 W. Taylor

Hobbs, NM 88240

RE: HOBBS K-29 BOOT

Enclosed are the results of analyses for samples received by the laboratory on 03/30/23 16:22.

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 <a href="https://www.tceq.texas.gov/field/ga/lab\_accred\_certif.html">www.tceq.texas.gov/field/ga/lab\_accred\_certif.html</a>.

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. Keine

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

Lab Director/Quality Manager



#### Analytical Results For:

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

Fax To: (575) 397-1471

Received:03/30/2023Sampling Date:03/27/2023Reported:04/04/2023Sampling Type:Water

Project Name: HOBBS K-29 BOOT Sampling Condition: Cool & Intact
Project Number: NOT GIVEN Sample Received By: Tamara Oldaker

Project Location: T18S-R38E-SEC29 K-LEA CTY., NM

#### Sample ID: MONITOR WELL # 1R (H231483-01)

Chloride, SM4500Cl-B	mg	/L	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride*	316	4.00	03/31/2023	ND	104	104	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*	70.5	10.0	03/31/2023	ND	20.8	104	20.0	9.68	
TDS 160.1	mg	/L	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
TDS*	929	5.00	04/04/2023	6.00	837	83.7	1000	2.05	

#### Sample ID: MONITOR WELL # 2 (H231483-02)

Chloride, SM4500CI-B	mg	/L	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride*	84.0	4.00	03/31/2023	ND	104	104	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*	67.4	25.0	03/31/2023	ND	20.8	104	20.0	9.68	
TDS 160.1	mg	/L	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
TDS*	563	5.00	04/04/2023	6.00	837	83.7	1000	2.05	

Cardinal Laboratories \*=Accredited Analyte

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Celeg & Freene



#### Analytical Results For:

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

Fax To: (575) 397-1471

Received: 03/30/2023
Reported: 04/04/2023
Project Name: HOBBS K-29 BOOT
Project Number: NOT GIVEN

Project Location: T18S-R38E-SEC29 K-LEA CTY., NM

Sampling Date: 03/27/2023 Sampling Type: Water

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

#### Sample ID: MONITOR WELL # 3 (H231483-03)

Chloride, SM4500Cl-B	mg	/L	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride*	152	4.00	03/31/2023	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*	72.9	25.0	03/31/2023	ND	20.8	104	20.0	9.68	
TDS 160.1	mg	/L	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
TDS*	695	5.00	04/04/2023	6.00	837	83.7	1000	2.05	

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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

ecovery.

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

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Celey D. Keene

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST 2 Cardinal Laboratories, Inc. ₹ 101 East Marland - Hobbs, NM 88240 LAB Order ID# Tel (575) 393-2326 2 Fax (575) 393-2476 ANALYSIS REQUEST Company Name: RICE Operating Company **RICE Operating Company** (Circle or Specify Method No.) (Street, City, Zip) 122 W Taylor Street ~ Hobbs, New Mexico 88240 Katie Jones (Street, City, Zip) Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7 (575)397-1471 (575) 393-9174 122 W Taylor Street ~ Hobbs, New Mexico 88240 TPH 418.1/TX1005 / TX1005 Extended (C35) (575) 397-1471 (575) 393-9174 Cd Cr Pb Se Hg Project Name: Project #: Hobbs K-29 Boot , Na, K) , CO3, HCO3) Rozanne Johnson (575)631-9310 ~ 24 Hours Project Location: 8270C/625 T18S-R38E-Sec29 K ~ Lea County - New Mexico PRESERVATIVE Dissolved Solids SAMPLING GC/MS Vol. 8260B/624 **ICLP Metals Ag As Ba** Pesticides 8081A/608 **METHOD** H231483 Cations (Ca, Mg, N Anions (Cl, SO4, C GC/MS Semi. Vol. Moisture Content CONTAINERS 8021B/602 PCB's 8082/608 (G)rab or (C)omp TCLP Pesticides BOD, TSS, pH LAB# Turn Around **DATE** (2023) FIELD CODE Chlorides SLUDGE NaHSO4 Sulfates WATER H<sub>2</sub>SO<sub>4</sub> NONE LAB USE HNO3 SOIL CE ONLY AIR X Х 3/27 13:15 X G 1 Monitor Well #1R XX X 3/27 10:05 X G Monitor Well #2 XX X 3/27 16:30 X G 1 Monitor Well #3

Time: Relinquished by: Rozanne Johnson Relinquished by (Circle One) Delivered By: Sampler - UPS - Bus - Other:

011	, Date:	Time: //	77
ra Sldak	1.0.	74	
a weak	DK 3	2-20-92	
aboratory Staff)	Date:	Time:	

CHECKED BY:

Received by:

Received By: (L

Sample Condition

Intact Yes -

x Results	Yes	No	Additional Fax Number
EMARKS:			

No

kiones@riceswd.com Email Results: rozanne@sdacres.com

Yes

Phone Results



July 10, 2023

KATIE JONES

Rice Operating Company

112 W. Taylor

Hobbs, NM 88240

RE: HOBBS K-29 BOOT

Enclosed are the results of analyses for samples received by the laboratory on 06/29/23 16:20.

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 <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> 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. Keine

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

Lab Director/Quality Manager



#### Analytical Results For:

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

Fax To: (575) 397-1471

Received: 06/29/2023 Sampling Date: 06/28/2023 Reported: 07/10/2023 Sampling Type: Water

Project Name: HOBBS K-29 BOOT Sampling Condition: Cool & Intact
Project Number: NOT GIVEN Sample Received By: Tamara Oldaker

Project Location: T18S-R38E-SEC29 K-LEA CTY., NM

#### Sample ID: MONITOR WELL # 1R (H233377-01)

Chloride, SM4500Cl-B	mg	/L	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride*	372	4.00	06/30/2023	ND	104	104	100	3.77	
Sulfate 375.4	mg	/L	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Sulfate*	111	25.0	07/03/2023	ND	18.6	93.2	20.0	19.1	
TDS 160.1	mg	/L	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
TDS*	1120	5.00	07/06/2023	ND	271	90.3	300	4.44	

#### Sample ID: MONITOR WELL # 2 (H233377-02)

Chloride, SM4500CI-B	mg	/L	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride*	80.0	4.00	06/30/2023	ND	104	104	100	3.77	
Sulfate 375.4	mg	/L	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Sulfate*	72.0	25.0	07/03/2023	ND	18.6	93.2	20.0	19.1	
TDS 160.1	mg	/L	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
TDS*	536	5.00	07/06/2023	ND	271	90.3	300	4.44	

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keine



#### Analytical Results For:

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

Fax To: (575) 397-1471

Received:06/29/2023Sampling Date:Reported:07/10/2023Sampling Type:Project Name:HOBBS K-29 BOOTSampling Condition:Project Number:NOT GIVENSample Received By:

Project Location: T18S-R38E-SEC29 K-LEA CTY., NM

Sampling Date: 06/28/2023 Sampling Type: Water

> Cool & Intact Tamara Oldaker

#### Sample ID: MONITOR WELL # 3 (H233377-03)

Chloride, SM4500CI-B	mg	/L	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride*	152	4.00	06/30/2023	ND	104	104	100	3.77	
Sulfate 375.4	mg	/L	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Sulfate*	66.2	25.0	07/03/2023	ND	18.6	93.2	20.0	19.1	
TDS 160.1	mg	/L	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
TDS*	689	5.00	07/06/2023	ND	271	90.3	300	4.44	

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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

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Celeg D. Freene

CHECKED BY:

Sample Condition

Delivered By:

Sampler

(Circle One)

- UPS - Bus - Other:

₹

2

~ 24 Hours

Turn Around Time

Anions (CI, SO4, CO3, HCO3)

kjones@riceswd.com

rozanne@sdacres.com

**Email Results:** 

Total Dissolved Solids

x x

Chlorides

X



October 04, 2023

KATIE JONES

Rice Operating Company

112 W. Taylor

Hobbs, NM 88240

RE: HOBBS K-29 BOOT

Enclosed are the results of analyses for samples received by the laboratory on 09/28/23 9:15.

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 <a href="https://www.tceq.texas.gov/field/ga/lab\_accred\_certif.html">www.tceq.texas.gov/field/ga/lab\_accred\_certif.html</a>.

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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.

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

Lab Director/Quality Manager



#### Analytical Results For:

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

Fax To: (575) 397-1471

Received: 09/28/2023 Sampling Date: 09/22/2023 Reported: 10/04/2023 Sampling Type: Water

Project Name: HOBBS K-29 BOOT Sampling Condition: Cool & Intact
Project Number: NOT GIVEN Sample Received By: Dionica Hinojos

Project Location: T18S-R38E-SEC29 K-LEA CTY., NM

#### Sample ID: MONITOR WELL # 1R (H235289-01)

Chloride, SM4500Cl-B	mg	/L	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride*	372	4.00	09/29/2023	ND	104	104	100	7.41	
Sulfate 375.4	mg	/L	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Sulfate*	62.8	10.0	09/29/2023	ND	20.5	102	20.0	1.50	
TDS 160.1	mg	/L	Analyze	Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
TDS*	1130	5.00	10/04/2023	ND	507	101	500	8.86	

#### Sample ID: MONITOR WELL # 2 (H235289-02)

Chloride, SM4500CI-B	mg	/L	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride*	92.0	4.00	09/29/2023	ND	104	104	100	7.41	
Sulfate 375.4	mg	/L	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Sulfate*	81.4	25.0	09/29/2023	ND	20.5	102	20.0	1.50	
TDS 160.1	mg	/L	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
TDS*	606	5.00	10/04/2023	ND	507	101	500	8.86	

Cardinal Laboratories \*=Accredited Analyte

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Celeg & Freene



Dionica Hinojos

Sample Received By:

#### Analytical Results For:

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

Fax To: (575) 397-1471

Received:09/28/2023Sampling Date:09/22/2023Reported:10/04/2023Sampling Type:WaterProject Name:HOBBS K-29 BOOTSampling Condition:Cool & Intact

Project Location: T18S-R38E-SEC29 K-LEA CTY., NM

NOT GIVEN

#### Sample ID: MONITOR WELL # 3 (H235289-03)

Project Number:

Chloride, SM4500Cl-B	mg	/L	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride*	116	4.00	09/29/2023	ND	104	104	100	7.41	
Sulfate 375.4	mg	/L	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Sulfate*	108	25.0	09/29/2023	ND	20.5	102	20.0	1.50	
TDS 160.1	mg	/L	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
TDS*	671	5.00	10/04/2023	ND	507	101	500	8.86	

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Kreine



#### **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

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Celeg D. Freene

Received by:

Sample Condition

Received By: (Laboratory Staff)

Cool Intact

7:00

Phone Results

Fax Results

REMARKS:

Email Results:

9:15

CHECKED BY:

(Initials)

Yes

kiones@riceswd.com

rozanne@sdacres.com

Additional Fax Number:

Released to Imaging: 11/19/2024 9:29:09 AM

Received by OCD: 3/28/2024 12:29:37 PM

Relinquished by

Rozanne Johnson

Delivered By: (Circle One)

Sampler - UPS - Bus & Other

Relinquished by



December 15, 2023

KATIE JONES

Rice Operating Company

112 W. Taylor

Hobbs, NM 88240

RE: HOBBS K-29 BOOT

Enclosed are the results of analyses for samples received by the laboratory on 12/06/23 12:05.

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 <a href="https://www.tceq.texas.gov/field/ga/lab\_accred\_certif.html">www.tceq.texas.gov/field/ga/lab\_accred\_certif.html</a>.

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

Lab Director/Quality Manager



#### Analytical Results For:

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

Fax To: (575) 397-1471

Received: 12/06/2023 Sampling Date: 12/05/2023
Reported: 12/15/2023 Sampling Type: Water

Project Name: HOBBS K-29 BOOT Sampling Condition: Cool & Intact
Project Number: NOT GIVEN Sample Received By: Tamara Oldaker

Project Location: T18S-R38E-SEC29 K-LEA CTY., NM

#### Sample ID: MONITOR WELL # 1R (H236545-01)

Chloride, SM4500Cl-B	mg	/L	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride*	500	4.00	12/07/2023	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*	229	50.0	12/07/2023	ND	22.9	114	20.0	9.97	
TDS 160.1	mg	/L	Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
TDS*	1530	5.00	12/15/2023	ND	488	97.6	500	0.684	

#### Sample ID: MONITOR WELL # 2 (H236545-02)

Chloride, SM4500CI-B	mg	/L	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride*	84.0	4.00	12/07/2023	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*	106	25.0	12/07/2023	ND	22.9	114	20.0	9.97	
TDS 160.1	mg	/L	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
TDS*	591	5.00	12/15/2023	ND	488	97.6	500	0.684	

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#### Analytical Results For:

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

Fax To: (575) 397-1471

Received: 12/06/2023 Sampling Date: 12/05/2023 Reported: 12/15/2023 Sampling Type: Water Project Name: HOBBS K-29 BOOT Sampling Condition: Cool & Intact Sample Received By: Project Number: NOT GIVEN Tamara Oldaker

Project Location: T18S-R38E-SEC29 K-LEA CTY., NM

#### Sample ID: MONITOR WELL # 3 (H236545-03)

Chloride, SM4500CI-B	mg	/L	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride*	108	4.00	12/07/2023	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*	61.8	10.0	12/07/2023	ND	22.9	114	20.0	9.97	
TDS 160.1	mg	/L	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
TDS*	509	5.00	12/15/2023	ND	488	97.6	500	0.684	

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\*\*\* Insufficient time to reach temperature.

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Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keine

Released to Imaging: 11/19/2024 9:29:09 AM

Sante Fe Main Office Phone: (505) 476-3441

General Information Phone: (505) 629-6116

Online Phone Directory https://www.emnrd.nm.gov/ocd/contact-us State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 327845

#### **CONDITIONS**

Operator:	OGRID:
RICE OPERATING COMPANY	19174
122 W Taylor	Action Number:
Hobbs, NM 88240	327845
	Action Type:
	[UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

#### CONDITIONS

Created By	Condition	Condition Date
michael.buchanan	Review of the 2023 Annual Groundwater Monitoring Report for Hobbs K-29 EOL Boot: content satisfactory 1. Continue quarterly groundwater sampling as prescribed for chloride and TDS. 2. Submit the 2024 groundwater monitoring report by April1, 2025.	11/19/2024