Review of 2022 Annual Groundwater Report: **Content satisfactory**

1. Continue sampling all site groundwater monitor wells on a quarterly schedule
2. OCD requires additional groundwater monitor wells (refer to site map for acceptable areas) be installed and sampled during 2023 (see site map for acceptable well locations).
3. A groundwater gradient map be included in the next annual monitoring report.
4. Provide alternative abatement options to effectively reduce chloride & total dissolved solids (TDS) in groundwater at the source and down gradient areas in the near future.
5. Submit summarized activities completed and their results in a 2022 Annual Report. Submittal to OCD expected no later than April 1, 2024.

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

April 1, 2023

Nelson Velez
New Mexico Oil Conservation Division
1220 So. St. Francis Drive
Santa Fe, New Mexico 87505

RE: **2022 Annual Groundwater Report**
Rice Operating Company – Justis SWD System
Justis P-2 vent (1R423-18): UL P, Section, 2, T25S, R37E

Mr. Velez:

ROC is the service provider (agent) for the Justis Saltwater Disposal System and has no ownership of any portion of the pipelines, wells, or facilities. The Justis System is owned by a consortium of oil producers, System Parties, who provide all operating capital on a percentage ownership/usage basis.

Background and Previous Work
The site is located approximately 4 miles northeast of Jal, New Mexico at UL/P, Sec. 2, T25S, R37E as shown on the Geographical Location Map. Groundwater sampling at the site indicated the depth to groundwater is approximately 71 feet below ground surface (bgs).

In 2005, ROC initiated work on the former P-2 vent junction box. The site was delineated using a backhoe to form a 30x30x6-ft deep excavation and soil samples were screened at regular intervals for both hydrocarbon and chloride. From the excavation, a 4-wall composite sample and a bottom composite sample were sent to a commercial laboratory for analysis, resulting in elevated chloride concentrations. At 6-5 ft bgs, a one ft thick clay barrier was installed. The clay layer will provide a barrier that will inhibit the downward migration of chloride to groundwater. Clean, imported soil was blended with the remaining soil and the excavation was backfilled to the ground surface. On October 20th, 2006, the site was seeded with a blend of native vegetation.

To further investigate the depth of chloride presence, a soil bore was installed on November 5th, 2009. Soil samples were collected at regular intervals and representative samples were sent to a commercial laboratory for analysis. The entire borehole was plugged with bentonite to ground surface. NMOCD was notified of potential groundwater impact on November 20th, 2009. A junction box disclosure report was submitted to NMOCD with all the 2010 junction box closures and disclosures.

An Investigation and Characterization Plan (ICP) was submitted to NMOCD on March 8th, 2010, and approved on August 18th, 2010. According to the ICP, a total of seven soil bores were installed at the site on March 15th, 16th, and 17th, 2010. An additional five soil bores were drilled on January 30th and 31st, 2012, and an additional four bores were drilled on April 24th and 27th, 2012. Soil

samples were collected at regular intervals and representative samples were sent to a commercial laboratory for analysis. Each borehole was plugged with bentonite to the ground surface.

On March 16th, 2010, a near-source monitoring well, MW-1, was installed approximately 90 ft southeast of the former junction box. Soil samples were collected at regular intervals and representative samples were sent to a commercial laboratory for analysis. An up-gradient monitoring well, MW-2, was installed on January 30th, 2012, and soil samples were collected at regular intervals.

An ICP Report and Corrective Action Plan (CAP) was submitted to NMOCD on June 21st, 2018 and is currently pending NMOCD response. The ICP Report and CAP proposed ROC install a 20-mil, reinforced liner at a depth of 4-5 ft bgs. The report also proposed a chloride mass calculation for groundwater recovery.

The wells have been sampled regularly per NMOCD guidelines since installation. The most recent sampling event resulted in a chloride concentration of 3,250 mg/L in MW-1 and 530 mg/L in MW-2. BTEX concentrations have remained below detectable limit in each well since installation. The samples collected from the up-gradient well (MW-2) suggests a non-ROC, up-gradient source has contributed to the degradation of groundwater quality. On February 2nd, 2022, NMOCD granted approval to cease BTEX and sulfate analyses. NMOCD also requested abatement options to submitted to address the source. ROC is currently working with the landowner to gain access to begin remediation at this site. Once an agreement has been made, ROC will review the previously submitted ICP Report and CAP and resubmit to NMOCD via the portal. ROC will also continue quarterly sampling in 2023.

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 the well at the site, and a graph showing recent laboratory results.
4. The laboratory analytical results for 2022.

Thank you for your consideration concerning this summary of groundwater monitoring information. If you have any questions, please do not hesitate to contact me at (575) 393-9174.

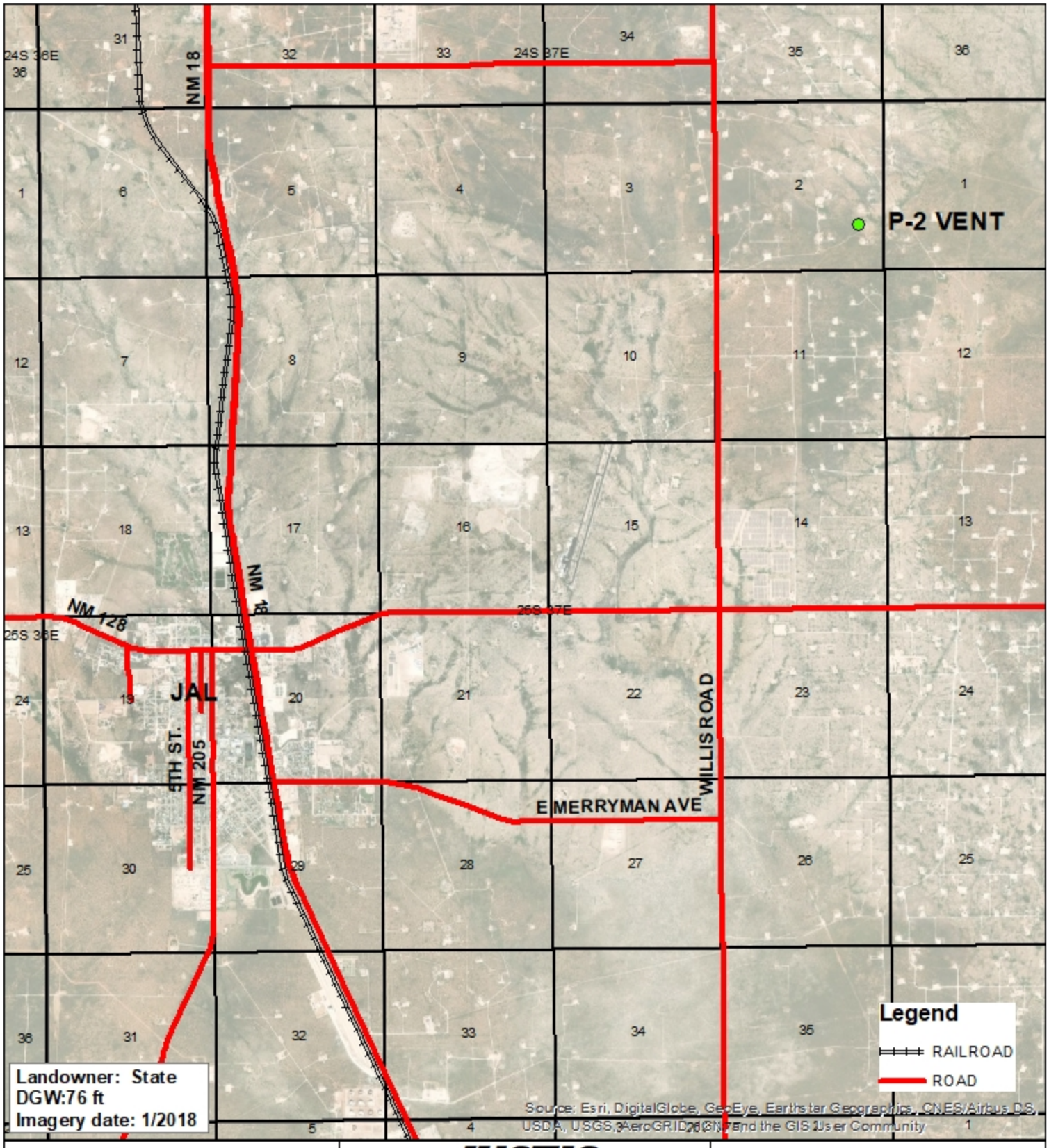
Sincerely,

Katie Davis

Katie Davis
Environmental Manager
RICE Operating Company (ROC)

appendix

Geographic Location



RICE OPERATING COMPANY
ROC
SINCE 1955

JUSTIS
P-2 VENT
1R423-18

UL I SECTION 2
T-25-S R-37-E
LEA COUNTY, NM

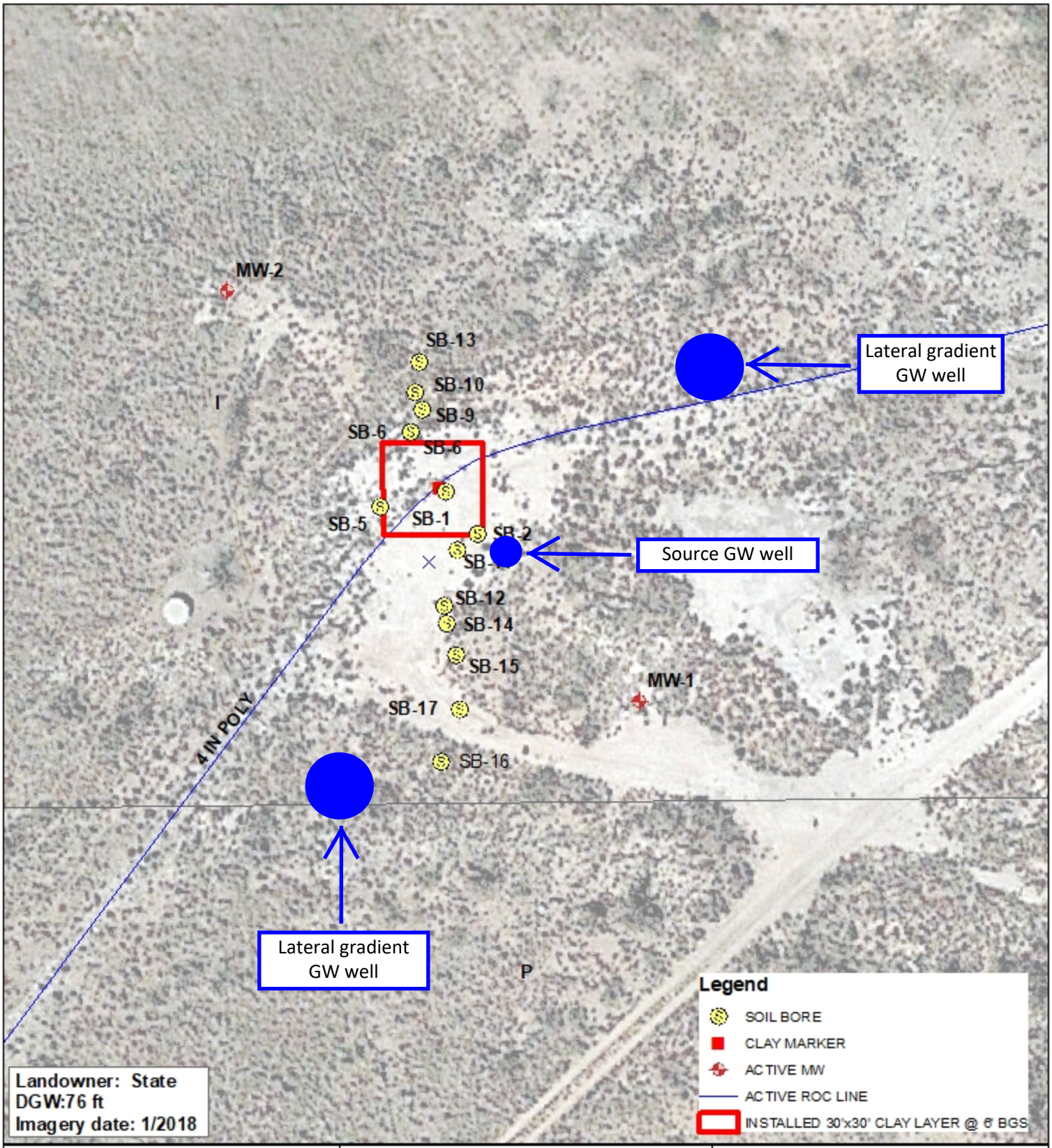
GPS: -103.127671 32.155972
NAD 83 STATE PLANE PROJECTION
NM EAST ZONE

0 2,500 5,000
Feet

Drawing date: 3/4/21
Drafted by: T. Grieco

N
W E
S

Installed Monitor Wells



RICE OPERATING COMPANY
ROC
SINCE 1955

JUSTIS P-2 VENT

1R423-18

UL I SECTION 2
T-25-S R-37-E
LEA COUNTY, NM

GPS: -103.127671 32.155972
NAD 83 STATE PLANE PROJECTION
NM EAST ZONE

0 25 50 Feet

Drawing date: 3/8/21
Drafted by: T. Grieco

N W E S

ROC - Justis P-2 vent (1R423-18)
Unit Letter P, Section 2, T25S, R37E

MW	Depth to Water	Total Depth	Well Volume	Volume Purged	Sample Date	Cl	TDS	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Sulfate	Comments
1	77.45	88.65	1.8	10	4/11/2010	760	1,740	<0.001	<0.001	<0.001	<0.003	90.7	Clear No odor
1	77.47	88.65	1.8	10	6/3/2010	920	2,940	<0.001	<0.001	<0.001	<0.003	82	Clear No odor
1	77.31	88.65	1.8	10	8/24/2010	1,010	2,110	<0.001	<0.001	<0.001	<0.003	93.1	Clear No odor
1	77.22	88.65	1.8	10	12/1/2010	860	1,650	<0.001	<0.001	<0.001	<0.003	113	Clear No odor
1	76.99	88.65	1.9	10	3/10/2011	900	2,140	<0.001	<0.001	<0.001	<0.003	81.5	Clear No odor
1	76.66	88.65	1.9	10	6/15/2011	960	2,230	<0.001	<0.001	<0.001	<0.003	99.7	Clear No odor
1	76.54	88.65	1.9	10	9/14/2011	1,000	2,320	<0.001	<0.001	<0.001	<0.003	105	Clear No odor
1	76.37	88.65	2	10	12/8/2011	1,120	2,270	<0.001	<0.001	<0.001	<0.003	92.9	Clear No odor
1	76.14	88.65	2	10	3/8/2012	1,040	2,490	<0.001	<0.001	<0.001	<0.003	94.9	Clear No odor
1	75.98	88.65	2	10	6/5/2012	1,240	2,520	<0.001	<0.001	<0.001	<0.003	94.3	Clear No odor
1	75.87	88.65	2	10	9/19/2012	1,240	2,710	<0.001	<0.001	<0.001	<0.003	99.7	Clear No odor
1	75.81	88.65	2.1	10	11/27/2012	1,280	2,510	<0.001	<0.001	<0.001	<0.003	94.6	Clear No odor
1	75.77	88.65	2.1	10	2/27/2013	1,560	2,460	<0.001	<0.001	<0.001	<0.003	107	Clear No odor
1	75.38	88.65	2.1	10	6/14/2013	1,180	2,390	<0.001	<0.001	<0.001	<0.003	99	Clear No odor
1	75.26	88.65	2.1	10	9/12/2013	1,260	2,820	<0.001	<0.001	<0.001	<0.003	74	Clear No odor
1	75.14	88.65	2.2	10	11/21/2013	1,220	2,990	<0.001	<0.001	<0.001	<0.003	104	Clear No odor
1	75.07	88.65	2.2	10	3/18/2014	1,300	2,530	<0.001	<0.001	<0.001	<0.003	90.7	Clear No odor
1	74.86	88.65	2.2	10	6/20/2014	1,040	2,740	<0.001	<0.001	<0.001	<0.003	91.1	Clear No odor
1	74.73	88.65	2.2	10	8/29/2014	1,180	3,040	<0.001	<0.001	<0.001	<0.003	90	Clear No odor
1	74.68	88.65	2.2	10	12/16/2014	1,220	2,560	<0.001	<0.001	<0.001	<0.001	53.4	Clear No odor
1	74.44	88.65	2.3	10	3/11/2015	1,100	2,790	<0.001	<0.001	<0.001	<0.003	65.8	Clear No odor
1	74.23	88.65	2.3	10	6/10/2015	1,140	2,800	<0.001	<0.001	<0.001	<0.003	82.3	Clear No odor
1	74.13	88.65	2.3	10	8/27/2015	1,240	3,300	<0.001	<0.001	<0.001	<0.003	64	Clear No odor
1	73.98	88.65	2.3	10	11/25/2015	1,320	3,220	<0.001	<0.001	<0.001	<0.003	88.4	Clear No odor
1	73.75	88.65	2.3	10	3/23/2016	1,930	3,910	<0.001	<0.001	<0.001	<0.003	79	Clear No odor
1	73.7	88.65	2.4	10	6/7/2016	1,670	3,830	<0.001	<0.001	<0.001	<0.003	101	Clear No odor
1	73.62	88.65	2.4	10	9/19/2016	1,680	4,040	<0.001	<0.001	<0.001	<0.003	97	Clear No odor
1	73.58	88.65	2.4	10	12/2/2016	1,600	3,200	<0.001	<0.001	<0.001	<0.003	135	Clear No odor
1	73.43	88.65	2.4	10	3/10/2017	2,030	3,920	<0.001	<0.001	<0.001	<0.003	92.6	Clear No odor

ROC - Justis P-2 vent (1R423-18)
Unit Letter P, Section 2, T25S, R37E

MW	Depth to Water	Total Depth	Well Volume	Volume Purged	Sample Date	Cl	TDS	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Sulfate	Comments
1	73.49	88.65	2.4	10	6/20/2017	1,700	4,130	<0.001	<0.001	<0.001	<0.003	82.7	Clear No odor
1	73.2	88.65	2.5	15	9/22/2017	2,030	4,000	<0.001	<0.001	<0.001	<0.003	129	Clear No odor
1	73.08	88.65	2.5	15	12/13/2017	1,940	4,180	<0.001	<0.001	<0.001	<0.003	102	Clear No odor
1	72.92	88.65	2.5	15	3/15/2018	2,330	3,450	<0.001	<0.001	<0.001	<0.003	96	Clear No odor
1	72.78	88.65	2.5	15	6/13/2018	2,020	4,280	<0.001	<0.001	<0.001	<0.003	91	Clear No odor
1	72.69	88.65	2.6	15	9/13/2018	2,230	4,290	<0.001	<0.001	<0.001	<0.003	95	Clear No odor
1	72.58	88.65	2.6	15	12/4/2018	2,570	3,310	<0.001	<0.001	<0.001	<0.003	116	Clear No odor
1	72.44	88.65	2.6	15	3/21/2019	2,370	4,010	<0.001	<0.001	<0.001	<0.003	102	Clear No odor
1	72.4	88.65	2.6	15	6/18/2019	2,350	3,960	<0.001	<0.001	<0.001	<0.003	107	Clear No odor
1	72.42	88.65	2.6	15	9/19/2019	2,570	4,730	<0.001	<0.001	<0.001	<0.003	101	Clear No odor
1	71.96	88.65	2.7	15	12/4/2019	2,540	4,260	<0.001	<0.001	<0.001	<0.003	100	Clear No odor
1	71.92	88.65	2.7	10	3/13/2020	2,770	4,500	<0.001	<0.001	<0.001	<0.003	114	Clear No odor
1	71.59	88.65	2.7	10	9/24/2020	3,100	4,860	XXX	XXX	XXX	XXX	91.8	Clear No odor
1	71.49	88.65	2.7	15	3/24/2021	3,250	5,930	<0.001	<0.001	<0.001	<0.003	122	Clear No odor
1	71.39	88.65	2.8	15	6/22/2021	3,100	5,330	<0.001	<0.001	<0.001	<0.003	150	Clear No odor
1	71.43	88.65	2.8	15	9/22/2021	3,330	7,660	<0.001	<0.001	<0.001	<0.003	92	Clear No odor
1	71.4	88.65	2.8	15	11/30/2021	3,070	5,310	<0.001	<0.001	<0.001	<0.003	123	Clear No odor
1	71.5	88.65	2.7	15	3/24/2022	3,900	5,280	<0.001	<0.001	<0.001	<0.003	92.6	Clear No odor
1	71.21	88.65	2.8	15	6/21/2022	4,500	7,360	XXX	XXX	XXX	XXX	XXX	Clear No odor
1	71.02	88.65	2.8	15	9/19/2022	3,830	6,220	XXX	XXX	XXX	XXX	XXX	Clear No odor
1	71	88.65	2.8	15	12/9/2022	3,250	5,600	XXX	XXX	XXX	XXX	XXX	Clear No odor

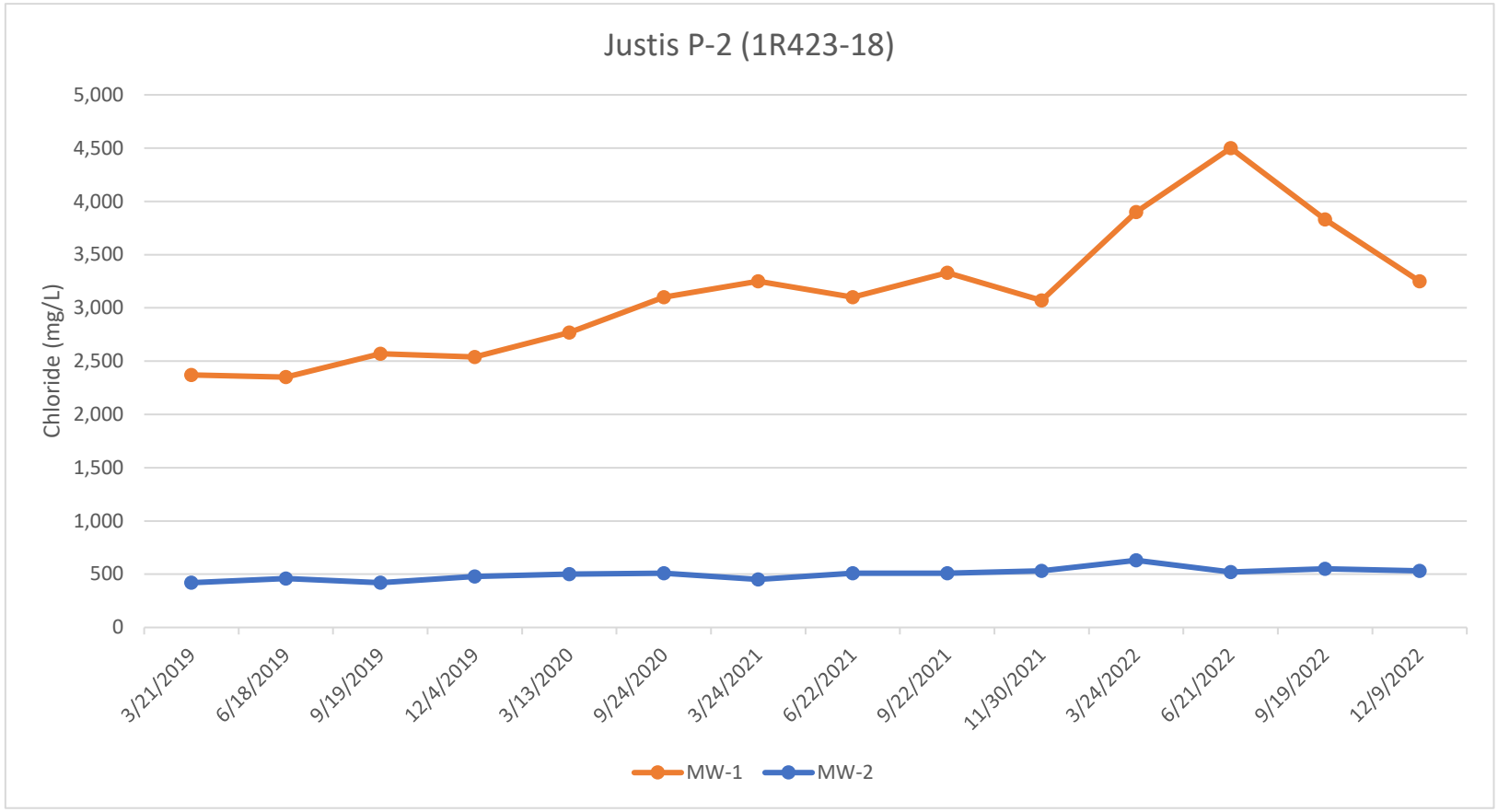
MW	Depth to Water	Total Depth	Well Volume	Volume Purged	Sample Date	Cl	TDS	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Sulfate	Comments
2	71.84	93.7	3.5	15	3/8/2012	272	887	<0.001	<0.001	<0.001	<0.003	108	Clear No odor
2	79.74	93.7	2.2	15	6/5/2012	284	876	<0.001	<0.001	<0.001	<0.003	97	Clear No odor
2	79.6	93.7	2.3	15	9/19/2012	452	1,250	<0.001	<0.001	<0.001	<0.003	119	Clear No odor
2	79.61	93.7	2.3	15	11/27/2012	500	1,300	<0.001	<0.001	<0.001	<0.003	108	Clear No odor

ROC - Justis P-2 vent (1R423-18)
Unit Letter P, Section 2, T25S, R37E

MW	Depth to Water	Total Depth	Well Volume	Volume Purged	Sample Date	Cl	TDS	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Sulfate	Comments
2	79.47	93.7	2.3	15	2/27/2013	308	878	<0.001	<0.001	<0.001	<0.003	122	Clear No odor
2	79.14	93.7	2.3	15	6/14/2013	360	1,180	<0.001	<0.001	<0.001	<0.003	127	Clear No odor
2	79.03	93.7	2.3	15	9/12/2013	364	1,160	<0.001	<0.001	<0.001	<0.003	98	Clear No odor
2	78.9	93.7	2.4	15	11/21/2013	450	1,270	<0.001	<0.001	<0.001	<0.003	135	Clear No odor
2	78.81	93.7	2.4	15	3/18/2014	336	910	<0.001	<0.001	<0.001	<0.003	106	Clear No odor
2	78.62	93.7	2.4	15	6/20/2014	268	838	<0.001	<0.001	<0.001	<0.003	89	Clear No odor
2	78.44	93.7	2.4	15	8/29/2014	320	938	<0.001	<0.001	<0.001	<0.003	105	Clear No odor
2	78.37	93.7	2.5	15	12/16/2014	288	920	<0.001	<0.001	<0.001	<0.003	97.3	Clear No odor
2	78.16	93.7	2.5	15	3/11/2015	288	854	<0.001	<0.001	<0.001	<0.003	67	Clear No odor
2	78.01	93.7	2.5	15	6/10/2015	388	1,220	<0.001	<0.001	<0.001	<0.003	96	Clear No odor
2	77.89	93.7	2.5	15	8/27/2015	360	1,090	<0.001	<0.001	<0.001	<0.003	77	Clear No odor
2	77.75	93.7	2.6	15	11/25/2015	388	1,000	<0.001	<0.001	<0.001	<0.003	109	Clear No odor
2	77.52	93.7	2.6	15	3/23/2016	352	936	<0.001	<0.001	<0.001	<0.003	98	Clear No odor
2	77.54	93.7	2.6	15	6/7/2016	344	1,020	<0.001	<0.001	<0.001	<0.003	124	Clear No odor
2	77.37	93.7	2.6	15	9/19/2016	376	1,190	<0.001	<0.001	<0.001	<0.003	146	Clear No odor
2	77.33	93.7	2.6	15	12/2/2016	352	916	<0.001	<0.001	<0.001	<0.003	107	Clear No odor
2	77.13	93.7	2.6	15	3/10/2017	340	998	<0.001	<0.001	<0.001	<0.003	106	Clear No odor
2	77.16	93.7	2.6	15	6/20/2017	372	1,100	<0.001	<0.001	<0.001	<0.003	108	Clear No odor
2	76.89	93.7	2.7	15	9/22/2017	256	956	<0.001	<0.001	<0.001	<0.003	106	Clear No odor
2	76.79	93.7	2.7	15	12/13/2017	312	886	<0.001	<0.001	<0.001	<0.003	147	Clear No odor
2	76.63	93.7	2.7	15	3/15/2018	380	986	<0.001	<0.001	<0.001	<0.003	105	Clear No odor
2	76.49	93.7	2.8	15	6/13/2018	396	698	<0.001	<0.001	<0.001	<0.003	109	Clear No odor
2	76.43	93.7	2.8	15	9/13/2018	396	1,200	<0.001	<0.001	<0.001	<0.003	100	Clear No odor
2	76.31	93.7	2.8	15	12/4/2018	456	1,110	<0.001	<0.001	<0.001	<0.003	131	Clear No odor
2	76.15	93.7	2.7	15	3/21/2019	420	1,080	<0.001	<0.001	<0.001	<0.003	99	Clear No odor
2	76.12	93.7	2.8	15	6/18/2019	460	1,280	<0.001	<0.001	<0.001	<0.003	113	Clear No odor
2	76.14	93.7	2.8	15	9/19/2019	420	1,190	<0.001	<0.001	<0.001	<0.003	105	Clear No odor
2	75.71	93.7	2.9	15	12/4/2019	480	1,240	<0.001	<0.001	<0.001	<0.003	114	Clear No odor
2	75.62	93.7	2.9	15	3/13/2020	500	1,080	<0.001	<0.001	<0.001	<0.003	119	Clear No odor

ROC - Justis P-2 vent (1R423-18)
Unit Letter P, Section 2, T25S, R37E

MW	Depth to Water	Total Depth	Well Volume	Volume Purged	Sample Date	Cl	TDS	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Sulfate	Comments
2	75.32	93.7	2.9	15	9/24/2020	510	1,200	XXX	XXX	XXX	XXX	105	Clear No odor
2	75.16	93.7	3	15	3/24/2021	452	1,180	<0.001	<0.001	<0.001	<0.003	121	Clear No odor
2	75.1	93.7	3	15	6/22/2021	510	1,340	<0.001	<0.001	<0.001	<0.003	104	Clear No odor
2	75.12	93.7	3	15	9/22/2021	510	1,520	<0.001	<0.001	<0.001	<0.003	91.4	Clear No odor
2	75.1	93.7	3	15	11/30/2021	530	1,320	<0.001	<0.001	<0.001	<0.003	129	Clear No odor
2	75.14	93.7	3	15	3/24/2022	630	1,380	<0.001	<0.001	<0.001	<0.003	133	Clear No odor
2	74.94	93.7	3	15	6/21/2022	520	1,660	XXX	XXX	XXX	XXX	XXX	Clear No odor
2	74.74	93.7	3	15	9/19/2022	550	1,330	XXX	XXX	XXX	XXX	XXX	Clear No odor
2	74.68	93.7	3	15	12/9/2022	530	1,190	XXX	XXX	XXX	XXX	XXX	Clear No odor


Justis P-2 (1R423-18)
Chloride (mg/L)
5,000
4,500
4,000
3,500
3,000
2,500
2,000
1,500
1,000
500
0
3/21/2019
6/18/2019
9/19/2019
12/4/2019
3/13/2020
9/24/2020
3/24/2021
6/22/2021
9/22/2021
11/30/2021
3/24/2022
6/21/2022
9/19/2022
12/9/2022
MW-1
MW-2

CARDINAL Laboratories

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

December 19, 2022

KATIE JONES

Rice Operating Company

112 W. Taylor

Hobbs, NM 88240

RE: JUSTIS P-2 VENT

Enclosed are the results of analyses for samples received by the laboratory on 12/13/22 13:35.

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/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. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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:	12/13/2022	Sampling Date:	12/09/2022
Reported:	12/19/2022	Sampling Type:	Water
Project Name:	JUSTIS P-2 VENT	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	T25S-R37E-SEC2 P-LEA CTY., NM		

Sample ID: MONITOR WELL #1 (H225871-01)

Chloride, SM4500Cl-B mg/L **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride*	**3250**	4.00	12/13/2022	ND	104	104	100	0.00	

TDS 160.1 mg/L **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
TDS*	**5600**	5.00	12/16/2022	ND	582	118	495	1.36	

Sample ID: MONITOR WELL #2 (H225871-02)

Chloride, SM4500Cl-B mg/L **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride*	**530**	4.00	12/13/2022	ND	104	104	100	0.00	

TDS 160.1 mg/L **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
TDS*	**1190**	5.00	12/16/2022	ND	582	118	495	1.36	

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

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

Celey D. Keene, Lab Director/Quality Manager

101 East Marland - Hobbs, NM 88240
Tel (575) 393-2326
Fax (575) 393-2476

Cardinal Laboratories, Inc.

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

LAB Order ID # H225871-1-2

Company Name: RICE Operating Company	BILL TO Company: RICE Operating Company PO#
Project Manager: Katie Jones	Address: (Street, City, Zip) 122 W Taylor Street ~ Hobbs, New Mexico 88240
Address: (Street, City, Zip) 122 W Taylor Street ~ Hobbs, New Mexico 88240	Phone#: (575) 393-9174 Fax#: (575)397-1471
Phone #: (575) 393-9174	Fax #: (575)397-1471
Project #:	Project Name: Justis P-2 Vent
Project Location: T25S-R37E-Sec2 P ~ Lea County - New Mexico	Sampler Signature: Rozanne Johnson (575)631-9310

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY) H225871	FIELD CODE	(G)rab or (C)omp	# CONTAINERS	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCL (4 40ml VOA)	HNO_3	$NaHSO_4$	H_2SO_4	ICE (1-1Liter HDPE)	NONE	SAMPLING: DATE (2022)	TIME	MTBE 8021B/602	BTEX 8021B/602	TPH 418.1/TX1005 / TX1005 Extended (C35)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol. 8260B/624	GC/MS Semi. Vol. 8270C/625	PCB's 8082/608	Pesticides 8081A/608	BOD, TSS, pH	Moisture Content	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, CO3, HCO3)	Sulfates	Total Dissolved Solids	Chlorides	Turn Around Time ~ 24 Hours
1	Monitor Well #1	G	1	X								1		12/9	13:00																			X	X	
2	Monitor Well #2	G	1	X								1		12/9	10:55																			X	X	

Relinquished by: Rozanne Johnson	Date: 12/13/2022	Time: 13:35	Received by: Rodriguez
Relinquished by:	Date:	Time:	Received By: (Laboratory Staff)
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Sample Condition: Cool Yes / Intact Yes	CHECKED BY: (Initials)	Date: 12/13/22 Time: 1335

Phone Results		Yes		No
Fax Results		Yes		No Additional Fax Number:

REMARKS:

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

CARDINAL Laboratories

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

September 27, 2022

KATIE JONES

Rice Operating Company

112 W. Taylor

Hobbs, NM 88240

RE: JUSTIS P-2 VENT

Enclosed are the results of analyses for samples received by the laboratory on 09/22/22 15:45.

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/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. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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:	09/22/2022	Sampling Date:	09/19/2022
Reported:	09/27/2022	Sampling Type:	Water
Project Name:	JUSTIS P-2 VENT	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	T25S-R37E-SEC2 P-LEA CTY., NM		

Sample ID: MONITOR WELL #1 (H224416-01)

Chloride, SM4500Cl-B mg/L **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride*	**3830**	4.00	09/23/2022	ND	104	104	100	0.00	

TDS 160.1 mg/L **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
TDS*	**6220**	5.00	09/27/2022	ND	525	105	500	3.42	

Sample ID: MONITOR WELL #2 (H224416-02)

Chloride, SM4500Cl-B mg/L **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride*	**550**	4.00	09/23/2022	ND	104	104	100	0.00	

TDS 160.1 mg/L **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
TDS*	**1330**	5.00	09/27/2022	ND	525	105	500	3.42	

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

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

Celey D. Keene, Lab Director/Quality Manager

101 East Marland - Hobbs, NM 88240
Tel (575) 393-2326
Fax (575) 393-2476

Cardinal Laboratories, Inc.

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

LAB Order ID # _____

Company Name: RICE Operating Company	BILL TO Company: RICE Operating Company PO#
Project Manager: Katie Jones	Address: (Street, City, Zip) 122 W Taylor Street ~ Hobbs, New Mexico 88240
Address: (Street, City, Zip) 122 W Taylor Street ~ Hobbs, New Mexico 88240	Phone#: (575) 393-9174 Fax#: (575)397-1471
Phone #: (575) 393-9174	Fax #: (575)397-1471
Project #:	Project Name: Justis P-2 Vent
Project Location: T25S-R37E-Sec2 P ~ Lea County - New Mexico	Sampler Signature: Rozanne Johnson (575)631-9310

LAB # (LAB USE ONLY): H224416

	FIELD CODE	(G)rab or (C)omp	# CONTAINERS	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCL (4 40ml VOA)	HNO_3	$NaHSO_4$	H_2SO_4	ICE (1-1Liter HDPE)	NONE	SAMPLING: DATE (2022)	TIME
1	Monitor Well #1	G	1	X								1		9/19	12:00
2	Monitor Well #2	G	1	X								1		9/19	10:05

ANALYSIS REQUEST

(Circle or Specify Method No.)

MTBE 8021B/602	BTEX 8021B/602	TPH 418.1/TX1005 / TX1005 Extended (C35)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol. 8260B/624	GC/MS Semi. Vol. 8270C/625	PCB's 8082/608	Pesticides 8081A/608	BOD, TSS, pH	Moisture Content	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, CO3, HCO3)	Sulfates	Total Dissolved Solids	Chlorides	Turn Around Time ~ 24 Hours
																			X	X	
																			X	X	

Relinquished by: Rozanne Johnson Date: 9/22/2022 Time: 15:45
Received by: Date: 9-22-22 Time: 1545

Relinquished by: Date: Time:
Received By: (Laboratory Staff) Date: Time:

Phone Results: Yes No
Fax Results: Yes No Additional Fax Number:

REMARKS:

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

Delivered By: (Circle One)
Sampler - UPS - Bus - Other:

Sample Condition: Cool: Yes / Intact: Yes

CHECKED BY: (Initials) JB

CARDINAL Laboratories

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

June 27, 2022

KATIE JONES

Rice Operating Company

112 W. Taylor

Hobbs, NM 88240

RE: JUSTIS P-2 VENT

Enclosed are the results of analyses for samples received by the laboratory on 06/23/22 11:30.

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/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. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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:	06/23/2022	Sampling Date:	06/21/2022
Reported:	06/27/2022	Sampling Type:	Water
Project Name:	JUSTIS P-2 VENT	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	T25S-R37E-SEC2 P-LEA CTY., NM		

Sample ID: MONITOR WELL #1 (H222691-01)

Chloride, SM4500Cl-B mg/L **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride*	**4500**	4.00	06/24/2022	ND	100	100	100	3.92	

TDS 160.1 mg/L **Analyzed By: GM**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
TDS*	**7360**	5.00	06/27/2022	ND	551	110	500	6.75	

Sample ID: MONITOR WELL #2 (H222691-02)

Chloride, SM4500Cl-B mg/L **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride*	**520**	4.00	06/24/2022	ND	100	100	100	3.92	

TDS 160.1 mg/L **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
TDS*	**1660**	5.00	06/24/2022	ND	551	110	500	6.75	

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

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

Celey D. Keene, Lab Director/Quality Manager

101 East Marland - Hobbs, NM 88240
Tel (575) 393-2326
Fax (575) 393-2476

Cardinal Laboratories, Inc.

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

LAB Order ID #

Company Name: RICE Operating Company

Project Manager: Katie Jones

Address: (Street, City, Zip) 122 W Taylor Street ~ Hobbs, New Mexico 88240

Phone #: (575) 393-9174

Fax #: (575)397-1471

Project #:

Project Name: Justis P-2 Vent

Project Location: T25S-R37E-Sec2 P ~ Lea County - New Mexico

BILL TO Company: RICE Operating Company PO#

Address: (Street, City, Zip) 122 W Taylor Street ~ Hobbs, New Mexico 88240

Phone#: (575) 393-9174

Fax#: (575)397-1471

Sampler Signature: Rozanne Johnson (575)631-9310

ANALYSIS REQUEST (Circle or Specify Method No.)

LAB # (LAB USE ONLY): H222691

LAB #	FIELD CODE	(G)rab or (C)omp	# CONTAINERS	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCL (4 40ml VOA)	HNO_3	$NaHSO_4$	H_2SO_4	ICE (1-1Liter HDPE)	NONE	SAMPLING: DATE (2022)	TIME	MTBE 8021B/602	BTEX 8021B/602	TPH 418.1/TX1005 / TX1005 Extended (C35)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol. 8260B/624	GC/MS Semi. Vol. 8270C/625	PCB's 8082/608	Pesticides 8081A/608	BOD, TSS, pH	Moisture Content	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, CO3, HCO3)	Sulfates	Total Dissolved Solids	Chlorides	Turn Around Time ~ 24 Hours
1	Monitor Well #1	G	5	X				4				1		6/21	11:50																				X	X	
2	Monitor Well #2	G	5	X				4				1		6/21	9:45																				X	X	

Relinquished by: Rozanne Johnson Date: 6/23/2022 Time: 11:30

Received by: Tamara Oldaker Date: 6-23-22 Time: 1130

Relinquished by: Date: Time:

Received By: (Laboratory Staff) Date: Time:

Delivered By: (Circle One) Sampler - UPS - Bus - Other:

Sample Condition: Cool Yes ☑ No ☐; Intact Yes ☑ No ☐

CHECKED BY: (Initials) TO

Phone Results ☐ Yes ☐ No

Fax Results ☐ Yes ☐ No Additional Fax Number:

REMARKS:

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

CARDINAL Laboratories

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

April 04, 2022

KATIE JONES

Rice Operating Company

112 W. Taylor

Hobbs, NM 88240

RE: JUSTIS P-2 VENT

Enclosed are the results of analyses for samples received by the laboratory on 03/29/22 15:21.

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/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. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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:	03/29/2022	Sampling Date:	03/24/2022
Reported:	04/04/2022	Sampling Type:	Water
Project Name:	JUSTIS P-2 VENT	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	T25S-R37E-SEC2 P-LEA CTY., NM		

Sample ID: MONITOR WELL #1 (H221248-01)

BTEX 8021B mg/L Analyzed By: MS\

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.001	0.001	04/01/2022	ND	0.020	102	0.0200	0.142	
Toluene*	<0.001	0.001	04/01/2022	ND	0.020	99.0	0.0200	0.890	
Ethylbenzene*	<0.001	0.001	04/01/2022	ND	0.020	99.0	0.0200	1.65	
Total Xylenes*	<0.003	0.003	04/01/2022	ND	0.062	104	0.0600	1.65	
Total BTEX	<0.006	0.006	04/01/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *102 %* *77.1-124*

Chloride, SM4500Cl-B mg/L Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride*	**3900**	4.00	03/29/2022	ND	104	104	100	0.00	

Sulfate 375.4 mg/L Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Sulfate*	**92.6**	25.0	04/01/2022	ND	19.8	99.0	20.0	3.33	

TDS 160.1 mg/L Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
TDS*	**5280**	5.00	04/01/2022	ND	520	104	500	0.360	

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	03/29/2022	Sampling Date:	03/24/2022
Reported:	04/04/2022	Sampling Type:	Water
Project Name:	JUSTIS P-2 VENT	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	T25S-R37E-SEC2 P-LEA CTY., NM		

Sample ID: MONITOR WELL #2 (H221248-02)

BTEX 8021B mg/L Analyzed By: MS\

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.001	0.001	04/01/2022	ND	0.020	102	0.0200	0.142	
Toluene*	<0.001	0.001	04/01/2022	ND	0.020	99.0	0.0200	0.890	
Ethylbenzene*	<0.001	0.001	04/01/2022	ND	0.020	99.0	0.0200	1.65	
Total Xylenes*	<0.003	0.003	04/01/2022	ND	0.062	104	0.0600	1.65	
Total BTEX	<0.006	0.006	04/01/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *101 %* *77.1-124*

Chloride, SM4500Cl-B mg/L Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride*	**630**	4.00	03/29/2022	ND	104	104	100	0.00	

Sulfate 375.4 mg/L Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Sulfate*	**133**	25.0	04/01/2022	ND	19.8	99.0	20.0	3.33	

TDS 160.1 mg/L Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
TDS*	**1380**	5.00	04/01/2022	ND	520	104	500	0.360	

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

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

Celey D. Keene, Lab Director/Quality Manager

101 East Marland - Hobbs, NM 88240
Tel (575) 393-2326
Fax (575) 393-2476

Cardinal Laboratories, Inc.

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

LAB Order ID # _____

Company Name: RICE Operating Company	BILL TO Company: RICE Operating Company PO#
Project Manager: Katie Jones	Address: (Street, City, Zip) 122 W Taylor Street ~ Hobbs, New Mexico 88240
Address: (Street, City, Zip) 122 W Taylor Street ~ Hobbs, New Mexico 88240	Phone#: (575) 393-9174 Fax#: (575)397-1471
Phone #: (575) 393-9174 Fax #: (575)397-1471	
Project #: Project Name: Justis P-2 Vent	
Project Location: T25S-R37E-Sec2 P ~ Lea County - New Mexico	Sampler Signature: Rozanne Johnson (575)631-9310

H22 1248

LAB # (LAB USE ONLY)	FIELD CODE	(G)rab or (C)omp	# CONTAINERS	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCL (4 40ml VOA)	HNO_3	$NaHSO_4$	H_2SO_4	ICE (1-1Liter HDPE)	NONE	SAMPLING: DATE (2022)	TIME
1	Monitor Well #1	G	5	X				4				1		3/24	12:00
2	Monitor Well #2	G	5	X				4				1		3/24	10:05

ANALYSIS REQUEST

(Circle or Specify Method No.)

	MTBE 8021B/602	BTEX 8021B/602	TPH 418.1/TX1005 / TX1005 Extended (C35)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol. 8260B/624	GC/MS Semi. Vol. 8270C/625	PCB's 8082/608	Pesticides 8081A/608	BOD, TSS, pH	Moisture Content	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, CO3, HCO3)	Sulfates	Total Dissolved Solids	Chlorides	Turn Around Time ~ 24 Hours
1		X																	X	X	X	
2		X																	X	X	X	

Relinquished by: Rozanne Johnson Date: 3/29/2022 Time: 15:20
Received by: Rodriguez Date: 3:29:22 Time: 1521

Relinquished by: Date: Time:
Received By: (Laboratory Staff) Date: Time:

Phone Results: Yes No
Fax Results: Yes No Additional Fax Number:

Delivered By: (Circle One) Sampler - UPS - Bus - Other: 0.5°C SR 3.29.22

Sample Condition: Cool: Yes / No; Intact: Yes / No

CHECKED BY: (Initials) SR

REMARKS:

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

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 202294

CONDITIONS

Operator: RICE OPERATING COMPANY 122 W Taylor Hobbs, NM 88240	OGRID: 19174
	Action Number: 202294
	Action Type: [UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

CONDITIONS

Created By	Condition	Condition Date
nvelez	Review of 2022 Annual Groundwater Report: Content satisfactory 1. Continue sampling all site groundwater monitor wells on a quarterly schedule 2. OCD requires additional groundwater monitor wells (refer to site map for acceptable areas) be installed and sampled during 2023 (see site map for acceptable well locations). 3. A groundwater gradient map be included in the next annual monitoring report. 4. Provide alternative abatement options to effectively reduce chloride & total dissolved solids in groundwater at the source and down gradient areas in the near future. 5. Submit summarized activities completed and their results in a 2022 Annual Report. Submittal to OCD expected no later than April 1, 2024.	4/10/2023