

**RICE** *Operating Company*

112 West Taylor • Hobbs, New Mexico 88240

Phone: (575) 393-9174 • Fax: (575) 397-1471

April 1, 2022

**REVIEWED**

By Nelson Velez at 3:21 pm, Dec 16, 2022

**Bradford Billings**

New Mexico Oil Conservation Division

1220 So. St. Francis Drive

Santa Fe, New Mexico 87505

**RE: 2021 Annual Groundwater Report  
Rice Operating Company – Justis SWD System  
Justis H-2 (AP-49): UL H, Section, 2, T26S, R37E**

Review of 2021 Annual Groundwater Report:

**Content satisfactory**

1. Continue sampling on a semi-annual schedule at a minimum
2. Submit next annual report no later than March 31, 2023.

Mr. Billings:

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.

A Stage 2 Abatement Plan was prepared and submitted to the New Mexico Oil Conservation Division (NMOCD) on May 25<sup>th</sup>, 2006. On June 7<sup>th</sup>, 2006, NMOCD certified the plan as Administratively Complete. A public notice was submitted and approved on July 21<sup>st</sup>, 2006. Final approval for the Stage 2 Abatement Plan was received on October 3<sup>rd</sup>, 2006. The abatement system, consisting of a solar/wind powered pump and Reverse Osmosis (R/O) system, was installed on November 6<sup>th</sup>, 2006. Since startup in 2007, a total of 174,246.8 gallons of groundwater has been removed from MW-2 and MW-2R, 68,152.3 gallons re-injected, 106,029.5 gallons disposed into the permitted SWD well on site. Groundwater was not recovered in 2015 and 2016 due to equipment failure. Groundwater recovery began again in 2017 and continued through 2019, then began again in 2021. Since groundwater recovery began in 2017, an additional 90,405 gallons of groundwater have been removed and utilized for a beneficial use.

On July 16, 2009, a formal request was submitted to NMOCD for suspension of further sampling of BTEX and sulfate at the site. In an email dated January 26<sup>th</sup>, 2012, the NMOCD granted suspension of BTEX sampling at this site.

The wells were sampled quarterly in 2021 per NMOCD guidelines. The attached tables and graph summarize the analytical results from groundwater samples collected from the monitoring wells at the site. ROC will continue groundwater recovery and quarterly sampling in 2022.

Attached is the Appendix, which contains:

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

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 or Edward Hansen at (505) 920-4965.

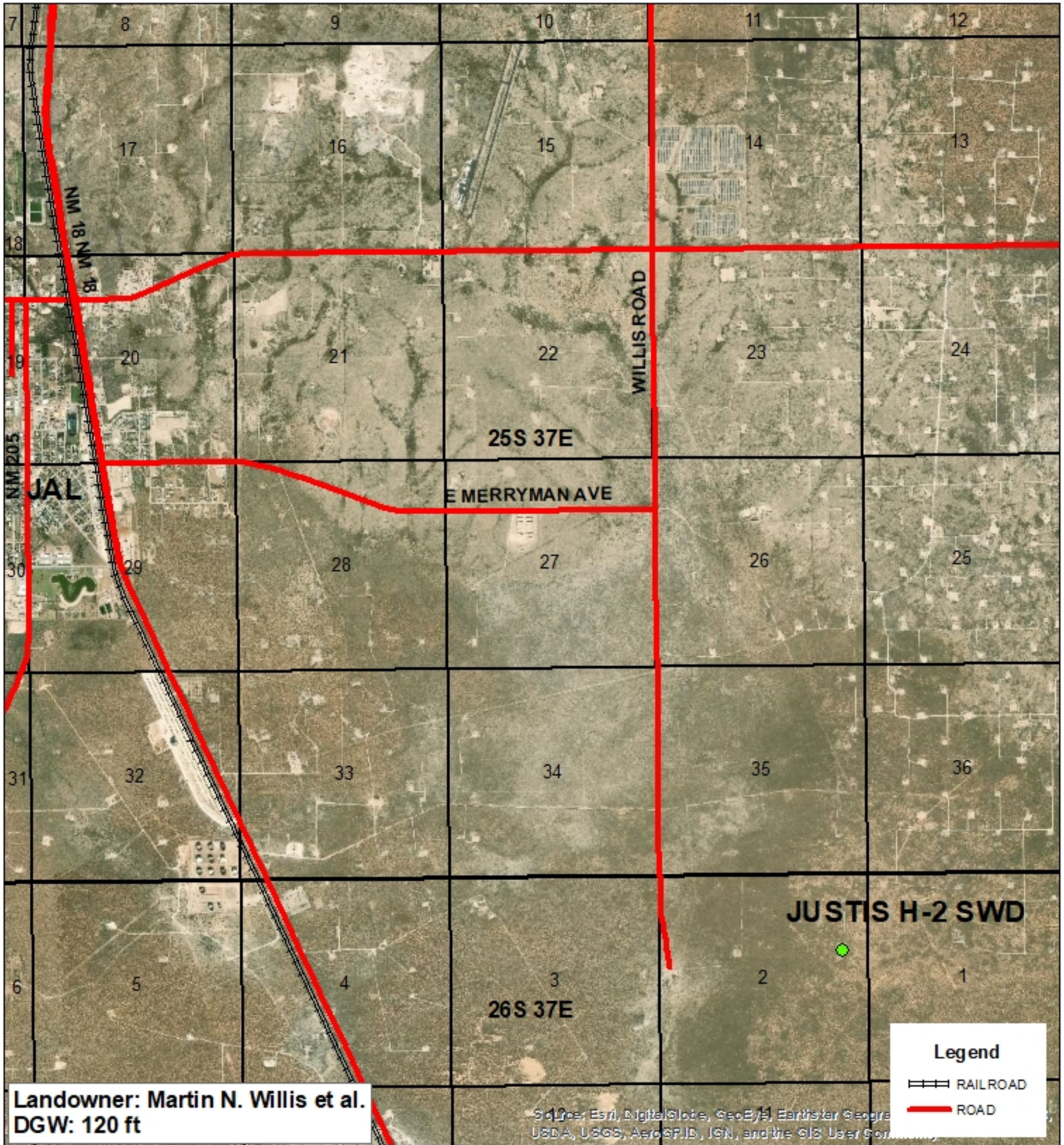
Sincerely,

A handwritten signature in black ink that reads "Katie Davis". The signature is written in a cursive, flowing style.

Katie Davis  
Environmental Manager  
RICE Operating Company (ROC)

Cc – Edward J. Hansen (ROC)

appendix



Landowner: Martin N. Willis et al.  
DGW: 120 ft



**JUSTIS  
H-2 SWD**

AP-49

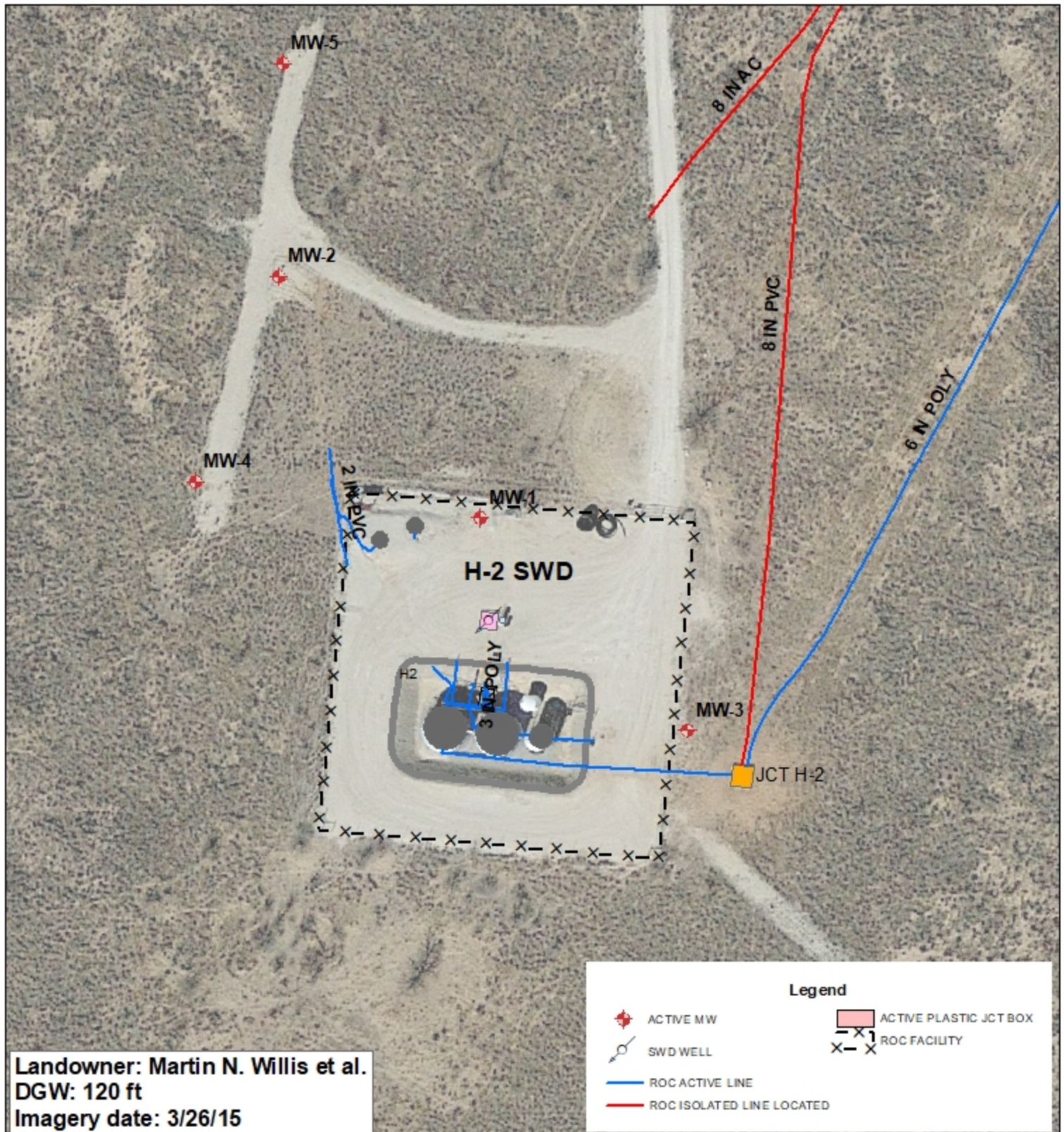
UL/H SECTION 2  
T-26-S R-37-E  
LEA COUNTY, NM

GPS: 32.074143 -103.127316  
NAD83 STATE PLANE PROJ  
NM EAST ZONE

0 0.5 1  
Miles

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





## JUSTIS H-2 SWD

AP-49

UL/H SECTION 2  
 T-26-S R-37-E  
 LEA COUNTY, NM

GPS: 32.074143 -103.127316  
 NAD83 STATE PLANE PROJ  
 NM EAST ZONE

0 50 100  
 Feet

Drawing date: 2/4/20  
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## ROC - Justis H-2 (AP-49)

## Unit Letter H, Section 2, T26S, R37E

| MW | Depth to Water | Total Depth | Well Volume | Volume Purged | Sample Date | Cl    | TDS   | Benzene | Toluene | Ethyl Benzene | Total Xylenes | Sulfate | Comments                                          |
|----|----------------|-------------|-------------|---------------|-------------|-------|-------|---------|---------|---------------|---------------|---------|---------------------------------------------------|
| 1  | 116.2          | 145         | 18.8        | 56.4          | 1/3/2002    | 336   | 1,112 | <0.002  | <0.002  | <0.002        | <0.006        | 116     |                                                   |
| 1  | XXX            | XXX         | XXX         | XXX           | 3/1/2002    | 301   | 971   | XXX     | XXX     | XXX           | XXX           | 190     |                                                   |
| 1  | XXX            | XXX         | XXX         | XXX           | 6/10/2002   | 173   | XXX   | 0.001   | 0.008   | 0.01          | 0.066         | XXX     |                                                   |
| 1  | 116.2          | 137         | XXX         | 66            | 8/16/2002   | 111   | 619   | <0.001  | <0.001  | <0.001        | <0.001        | 202     |                                                   |
| 1  | 123.32         | 144         | XXX         | 60            | 11/12/2002  | 257   | 971   | <0.001  | 0.001   | <0.001        | <0.001        | 194     |                                                   |
| 1  | 122.95         | 144         | XXX         | 70            | 2/13/2003   | 98    | 647   | <0.001  | <0.001  | <0.001        | <0.001        | 200     |                                                   |
| 1  | 123.34         | 144         | XXX         | 70            | 5/20/2003   | 102   | 682   | <0.001  | <0.001  | <0.001        | <0.001        | 196     |                                                   |
| 1  | 122.94         | 144         | XXX         | 70            | 9/16/2003   | 594   | 1,920 | <0.001  | <0.001  | <0.001        | <0.001        | 186     |                                                   |
| 1  | 123.19         | 144         | XXX         | 70            | 12/16/2003  | 82    | 587   | 0.013   | <0.001  | <0.001        | <0.001        | 180     |                                                   |
| 1  | 122.43         | 144         | XXX         | 70            | 3/11/2004   | 727   | 2,060 | <0.001  | <0.001  | <0.001        | <0.001        | 227     |                                                   |
| 1  | 122.24         | 144         | XXX         | 70            | 6/28/2004   | 1,030 | 3,230 | 0.0056  | <0.001  | <0.001        | <0.001        | 349     |                                                   |
| 1  | 122.22         | 144         | XXX         | 70            | 9/23/2004   | 106   | 749   | <0.001  | <0.001  | <0.001        | <0.001        | 175     |                                                   |
| 1  | 122.18         | 144         | XXX         | 68            | 12/21/2004  | 93    | 858   | <0.001  | <0.001  | <0.001        | 0.00108       | 215     |                                                   |
| 1  | 121.97         | 144         | XXX         | 75            | 3/29/2005   | 98    | 608   | <0.001  | <0.001  | <0.001        | <0.001        | 169     |                                                   |
| 1  | 122.08         | 144         | XXX         | 80            | 6/16/2005   | 173   | 711   | <0.001  | <0.001  | <0.001        | <0.001        | 166     |                                                   |
| 1  | XXX            | XXX         | XXX         | XXX           | 9/15/2005   | 151   | 840   | <0.001  | <0.001  | <0.001        | <0.001        | 133     |                                                   |
| 1  | 122.12         | 153         | 31.5        | 100           | 12/5/2005   | 94    | 586   | <0.001  | <0.001  | <0.001        | <0.001        | 114     |                                                   |
| 1  | 121.81         | 153         | 31.8        | 100           | 2/27/2006   | 414   | 1,120 | <0.001  | <0.001  | <0.001        | <0.001        | 157     |                                                   |
| 1  | 121.94         | 153         | 31.7        | 100           | 6/14/2006   | 206   | 782   | <0.001  | <0.001  | <0.001        | <0.001        | 151     |                                                   |
| 1  | 121.89         | 153         | 31.7        | 100           | 12/5/2006   | 223   | 512   | <0.001  | <0.001  | <0.001        | <0.001        | 47.6    | Clear with no odor *pH changed from last sampling |

| MW | Depth to Water | Total Depth | Well Volume | Volume Purged | Sample Date | Cl    | TDS   | Benzene | Toluene | Ethyl Benzene | Total Xylenes | Sulfate | Comments |
|----|----------------|-------------|-------------|---------------|-------------|-------|-------|---------|---------|---------------|---------------|---------|----------|
| 2  | 122            | 142.6       | 13.4        | 40.3          | 1/7/2002    | 1,839 | 3,908 | <0.002  | <0.002  | <0.002        | <0.006        | 120     |          |
| 2  | XXX            | XXX         | XXX         | XXX           | 3/1/2002    | 700   | 1,780 | XXX     | XXX     | XXX           | XXX           | 150     |          |
| 2  | XXX            | XXX         | XXX         | XXX           | 5/23/2002   | 904   | 2,710 | <0.001  | <0.001  | <0.001        | <0.001        | 243     |          |
| 2  | 121.85         | 142         | XXX         | 25            | 8/16/2002   | 1,040 | 3,390 | <0.001  | <0.001  | <0.001        | <0.001        | 188     |          |

## ROC - Justis H-2 (AP-49)

## Unit Letter H, Section 2, T26S, R37E

| MW | Depth to Water | Total Depth | Well Volume | Volume Purged | Sample Date | Cl    | TDS   | Benzene | Toluene | Ethyl Benzene | Total Xylenes | Sulfate | Comments                                                      |
|----|----------------|-------------|-------------|---------------|-------------|-------|-------|---------|---------|---------------|---------------|---------|---------------------------------------------------------------|
| 2  | 122.1          | 142         | XXX         | 25            | 11/12/2002  | 1,130 | 2,600 | 0.002   | 0.003   | <0.001        | <0.002        | 200     |                                                               |
| 2  | 121.71         | 142         | XXX         | 25            | 2/13/2003   | 1,110 | 2,780 | <0.001  | <0.001  | <0.001        | <0.001        | 216     |                                                               |
| 2  | 122.08         | 142         | XXX         | 25            | 5/20/2003   | 1,130 | 3,600 | <0.001  | <0.001  | <0.001        | <0.001        | 215     |                                                               |
| 2  | 121.7          | 142         | XXX         | 25            | 9/16/2003   | 1,070 | 3,540 | <0.001  | <0.001  | <0.001        | <0.001        | 167     |                                                               |
| 2  | 122            | 142         | XXX         | 30            | 12/16/2003  | 1,230 | 2,490 | 0.032   | 0.003   | <0.001        | <0.001        | 202     |                                                               |
| 2  | 121.87         | 142         | XXX         | 30            | 3/11/2004   | 1,200 | 3,660 | <0.001  | <0.001  | <0.001        | <0.001        | 164     |                                                               |
| 2  | 121.74         | 142         | XXX         | 30            | 6/28/2004   | 2,570 | 6,290 | 0.0112  | <0.001  | <0.001        | <0.001        | 208     |                                                               |
| 2  | 121.7          | 142         | XXX         | 25            | 9/23/2004   | 1,130 | 3,760 | <0.001  | <0.001  | <0.001        | <0.001        | 198     |                                                               |
| 2  | 121.65         | 142         | XXX         | 10            | 12/21/2004  | 1,150 | 2,877 | 0.0055  | <0.001  | <0.001        | <0.001        | 210     |                                                               |
| 2  | 121.45         | 142         | XXX         | 25            | 3/29/2005   | 1,310 | 2,620 | <0.001  | <0.001  | <0.001        | <0.001        | 186     |                                                               |
| 2  | 121.58         | 142         | XXX         | 30            | 6/16/2005   | 1,280 | 3,080 | <0.001  | <0.001  | <0.001        | <0.001        | 221     |                                                               |
| 2  | XXX            | XXX         | XXX         | XXX           | 9/15/2005   | 1,110 | 3,240 | <0.001  | <0.001  | <0.001        | <0.001        | 196     |                                                               |
| 2  | 121.52         | 142.6       | 3.4         | 20            | 12/5/2005   | 1,110 | 2,630 | <0.001  | <0.001  | <0.001        | <0.001        | 134     |                                                               |
| 2  | 121.4          | 142.6       | 3.4         | 20            | 2/27/2006   | 1,360 | 3,450 | <0.001  | <0.001  | <0.001        | <0.001        | 139     |                                                               |
| 2  | 121.4          | 142.6       | 3.4         | 15            | 6/14/2006   | 1,260 | 3,520 | <0.001  | <0.001  | <0.001        | <0.001        | 204     |                                                               |
| 2  | N/A            | 142.6       | XXX         | XXX           | 12/5/2006   | 1,240 | 2,300 | <0.001  | <0.001  | <0.001        | <0.001        | 156     | Clear No odor<br>*Temperature lower due to air pump           |
| 2  | XXX            | 142.6       | XXX         | XXX           | 3/15/2007   | 1,810 | 3,540 | <0.001  | <0.001  | <0.001        | <0.001        | 222     | Clear No odor                                                 |
| 2  | XXX            | 142.6       | XXX         | XXX           | 6/13/2007   | 1,350 | 3,820 | <0.001  | <0.001  | <0.001        | <0.001        | 193     | Clear No odor                                                 |
| 2  | XXX            | 142.6       | XXX         | XXX           | 9/17/2007   | 1,424 | 3,820 | <0.002  | <0.002  | <0.002        | <0.006        | 234     | Clear No odor                                                 |
| 2  | XXX            | 142.6       | XXX         | XXX           | 11/13/2007  | 1,600 | 3,053 | <0.001  | <0.001  | <0.001        | <0.003        | 177     | Clear No odor                                                 |
| 2  | XXX            | 142.6       | XXX         | XXX           | 2/23/2008   | 1,500 | 3,390 | <0.001  | <0.001  | <0.001        | <0.003        | 169     | Clear No odor                                                 |
| 2R | 120.9          | 153.8       | 21.4        | 75            | 5/21/2008   | 1,600 | 4,490 | <0.002  | <0.002  | <0.002        | <0.006        | 252     | Clear No odor REPLACED<br>THE WELL WITH 4 in<br>RECOVERY WELL |
| 2R | XXX            | XXX         | XXX         | XXX           | 8/27/2008   | 1,360 | 3,090 | <0.001  | <0.001  | <0.001        | <0.003        | 198     | Clear No odor                                                 |
| 2R | XXX            | XXX         | XXX         | XXX           | 12/1/2008   | 1,800 | 3,600 | <0.001  | <0.001  | <0.001        | <0.003        | 176     | Clear No odor                                                 |
| 2R | XXX            | XXX         | XXX         | XXX           | 2/25/2009   | 2,320 | 3,850 | <0.001  | <0.001  | <0.001        | <0.003        | 52      | Clear No odor                                                 |

**ROC - Justis H-2 (AP-49)**  
**Unit Letter H, Section 2, T26S, R37E**

| MW | Depth to Water | Total Depth | Well Volume | Volume Purged | Sample Date | Cl    | TDS   | Benzene | Toluene | Ethyl Benzene | Total Xylenes | Sulfate | Comments                                     |
|----|----------------|-------------|-------------|---------------|-------------|-------|-------|---------|---------|---------------|---------------|---------|----------------------------------------------|
| 2R | XXX            | XXX         | XXX         | 70            | 6/15/2009   | 1,440 | 3,030 | <0.001  | <0.001  | <0.001        | <0.003        | 146     | Clear No odor                                |
| 2R | XXX            | XXX         | XXX         | XXX           | 9/4/2009    | 1,500 | 3,390 | <0.001  | <0.001  | <0.001        | <0.003        | 166     | Clear No odor                                |
| 2R | XXX            | XXX         | XXX         | XXX           | 11/16/2009  | 1,580 | 2,870 | <0.001  | <0.001  | <0.001        | <0.003        | 128     | Clear No odor                                |
| 2R | XXX            | XXX         | XXX         | XXX           | 3/5/2010    | 1,520 | 3,790 | <0.001  | <0.001  | <0.001        | <0.003        | 175     | Clear No odor                                |
| 2R | XXX            | XXX         | XXX         | XXX           | 6/1/2010    | 1,600 | 3,730 | <0.001  | <0.001  | <0.001        | <0.003        | 184     | Clear No odor                                |
| 2R | XXX            | XXX         | XXX         | Pumping       | 8/23/2010   | 1,640 | 2,690 | <0.001  | <0.001  | <0.001        | <0.003        | 160     | Clear No odor                                |
| 2R | XXX            | XXX         | XXX         | Pumping       | 11/19/2010  | 1,500 | 2,970 | <0.001  | <0.001  | <0.001        | <0.003        | 197     | Clear No odor                                |
| 2R | XXX            | XXX         | XXX         | Pumping       | 3/7/2011    | 2,100 | 3,810 | <0.001  | <0.001  | <0.001        | <0.003        | 158     | Clear No odor                                |
| 2R | XXX            | XXX         | XXX         | XXX           | 6/7/2011    | 1,720 | 3,120 | <0.001  | <0.001  | <0.001        | <0.003        | 162     | Clear No odor                                |
| 2R | XXX            | XXX         | XXX         | XXX           | 9/13/2011   | 1,560 | 3,260 | <0.001  | <0.001  | <0.001        | <0.003        | 171     | Clear No odor                                |
| 2R | XXX            | XXX         | XXX         | XXX           | 12/7/2011   | 1,320 | 3,040 | <0.001  | <0.001  | <0.001        | <0.003        | 175     | Clear No odor                                |
| 2R | XXX            | XXX         | XXX         | XXX           | 3/7/2012    | 1,700 | 3,180 | XXX     | XXX     | XXX           | XXX           | 164     | Clear No odor                                |
| 2R | XXX            | XXX         | XXX         | XXX           | 6/4/2012    | 1,500 | 2,810 | XXX     | XXX     | XXX           | XXX           | 148     | Clear No odor                                |
| 2R | XXX            | XXX         | XXX         | XXX           | 9/19/2012   | 1,580 | 3,100 | <0.001  | <0.001  | <0.001        | <0.003        | 126     | Clear No odor                                |
| 2R | XXX            | XXX         | XXX         | XXX           | 11/26/2012  | 1,240 | 3,140 | XXX     | XXX     | XXX           | XXX           | 468     | Clear No odor, Samples Collected at the Tank |
| 2R | XXX            | XXX         | XXX         | XXX           | 2/26/2013   | 1,620 | 3,370 | XXX     | XXX     | XXX           | XXX           | 565     | Clear No odor, Samples Collected at the Tank |
| 2R | XXX            | 165         | XXX         | XXX           | 6/13/2013   | 1,620 | 2,940 | XXX     | XXX     | XXX           | XXX           | 130     | Clear No odor, Samples Collected at the Tank |
| 2R | XXX            | 165         | XXX         | XXX           | 9/13/2013   | 1,560 | 3,040 | XXX     | XXX     | XXX           | XXX           | 124     | Clear No odor, Samples Collected at Tank     |
| 2R | XXX            | 165         | XXX         | XXX           | 11/20/2013  | 1,600 | 3,480 | XXX     | XXX     | XXX           | XXX           | 140     | Clear No odor                                |

**ROC - Justis H-2 (AP-49)**  
**Unit Letter H, Section 2, T26S, R37E**

| MW | Depth to Water | Total Depth | Well Volume | Volume Purged | Sample Date | Cl    | TDS   | Benzene | Toluene | Ethyl Benzene | Total Xylenes | Sulfate | Comments      |
|----|----------------|-------------|-------------|---------------|-------------|-------|-------|---------|---------|---------------|---------------|---------|---------------|
| 2R | XXX            | 165         | XXX         | 90            | 3/17/2014   | 1,640 | 2,870 | XXX     | XXX     | XXX           | XXX           | 112     | Clear No odor |
| 2R | XXX            | 165         | XXX         | 90            | 6/13/2014   | 1,760 | 3,770 | XXX     | XXX     | XXX           | XXX           | 120     | Clear No odor |
| 2R | XXX            | 165         | XXX         | 90            | 9/9/2014    | 1,720 | 3,340 | XXX     | XXX     | XXX           | XXX           | 102     | Clear No odor |
| 2R | XXX            | 165         | XXX         | 90            | 12/15/2014  | 1,670 | 3,020 | XXX     | XXX     | XXX           | XXX           | 74.7    | Clear No odor |
| 2R | XXX            | 165         | XXX         | 90            | 3/12/2015   | 1,870 | 4,300 | XXX     | XXX     | XXX           | XXX           | 102     | Clear No odor |
| 2R | XXX            | 165         | XXX         | 90            | 6/9/2015    | 2,430 | 5,120 | XXX     | XXX     | XXX           | XXX           | 118     | Clear No odor |
| 2R | XXX            | 165         | XXX         | 200           | 8/26/2015   | 3,000 | 6,100 | XXX     | XXX     | XXX           | XXX           | 115     | Clear No odor |
| 2R | XXX            | 165         | XXX         | 200           | 11/24/2015  | 2,140 | 4,170 | XXX     | XXX     | XXX           | XXX           | 142     | Clear No odor |
| 2R | XXX            | 165         | XXX         | 90            | 3/24/2016   | 2,400 | 4,910 | XXX     | XXX     | XXX           | XXX           | 115     | Clear No odor |
| 2R | XXX            | 165         | XXX         | 90            | 6/6/2016    | 1,740 | 3,280 | XXX     | XXX     | XXX           | XXX           | 122     | Clear No odor |
| 2R | XXX            | 165         | XXX         | 90            | 9/20/2016   | 1,700 | 3,490 | XXX     | XXX     | XXX           | XXX           | 134     | Clear No odor |
| 2R | XXX            | 165         | XXX         | 90            | 12/1/2016   | 1,830 | 3,870 | XXX     | XXX     | XXX           | XXX           | 151     | Clear No odor |
| 2R | XXX            | 165         | XXX         | 90            | 3/9/2017    | 1,900 | 4,670 | XXX     | XXX     | XXX           | XXX           | 148     | Clear No odor |
| 2R | XXX            | 165         | XXX         | 90            | 6/16/2017   | 1,880 | 4,040 | XXX     | XXX     | XXX           | XXX           | 193     | Clear No odor |
| 2R | XXX            | 165         | XXX         | Running       | 9/21/2017   | 2,170 | 5,200 | XXX     | XXX     | XXX           | XXX           | 127     | Clear No odor |
| 2R | XXX            | 165         | XXX         | 100           | 12/12/2017  | 2,300 | 4,640 | XXX     | XXX     | XXX           | XXX           | 112     | Clear No odor |
| 2R | XXX            | 165         | XXX         | 90            | 3/14/2018   | 2,430 | 4,000 | XXX     | XXX     | XXX           | XXX           | 111     | Clear No odor |
| 2R | XXX            | 165         | XXX         | 200           | 6/14/2018   | 1,620 | 3,200 | XXX     | XXX     | XXX           | XXX           | 137     | Clear No odor |
| 2R | XXX            | 165         | XXX         | 90            | 9/12/2018   | 1,730 | 3,270 | XXX     | XXX     | XXX           | XXX           | 152     | Clear No odor |
| 2R | XXX            | 165         | XXX         | 90            | 12/3/2018   | 1,830 | 3,210 | XXX     | XXX     | XXX           | XXX           | 206     | Clear No odor |
| 2R | XXX            | 165         | XXX         | 90            | 3/22/2019   | 2,950 | 5,400 | XXX     | XXX     | XXX           | XXX           | 173     | Clear No odor |
| 2R | XXX            | 165         | XXX         | Running       | 6/19/2019   | 1,600 | 3,280 | XXX     | XXX     | XXX           | XXX           | 151     | Clear No odor |
| 2R | XXX            | 165         | XXX         | Running       | 9/20/2019   | 2,000 | 3,250 | XXX     | XXX     | XXX           | XXX           | 155     | Clear No odor |
| 2R | XXX            | 165         | XXX         | 100           | 12/5/2019   | 1,900 | 3,470 | XXX     | XXX     | XXX           | XXX           | 183     | Clear No odor |
| 2R | XXX            | 165         | XXX         | 90            | 3/20/2020   | 1,620 | 3,120 | XXX     | XXX     | XXX           | XXX           | 172     | Clear No odor |
| 2R | XXX            | 165         | XXX         | Running       | 9/23/2020   | 1,770 | 3,300 | XXX     | XXX     | XXX           | XXX           | 144     | Clear No odor |
| 2R | XXX            | 165         | XXX         | 100           | 3/23/2021   | 3,300 | 4,770 | XXX     | XXX     | XXX           | XXX           | 185     | Clear No odor |
| 2R | XXX            | 165         | XXX         | Running       | 6/21/2021   | 1,640 | 3,110 | XXX     | XXX     | XXX           | XXX           | 192     | Clear No odor |
| 2R | XXX            | 165         | XXX         | Running       | 9/21/2021   | 1,560 | 3,870 | XXX     | XXX     | XXX           | XXX           | 163     | Clear No odor |
| 2R | XXX            | 165         | XXX         | 100           | 11/29/2021  | 2,270 | 4,230 | XXX     | XXX     | XXX           | XXX           | 150     | Clear No odor |

**ROC - Justis H-2 (AP-49)**  
**Unit Letter H, Section 2, T26S, R37E**

| MW | Depth to Water | Total Depth | Well Volume | Volume Purged | Sample Date | Cl  | TDS   | Benzene | Toluene | Ethyl Benzene | Total Xylenes | Sulfate | Comments              |
|----|----------------|-------------|-------------|---------------|-------------|-----|-------|---------|---------|---------------|---------------|---------|-----------------------|
| 3  | 122.1          | 137.5       | 10          | 30.1          | 1/7/2002    | 48  | 577   | <0.005  | <0.005  | <0.005        | <0.015        | 145     |                       |
| 3  | XXX            | XXX         | XXX         | XXX           | 3/1/2002    | 37  | 561   | XXX     | XXX     | XXX           | XXX           | 167     |                       |
| 3  | XXX            | XXX         | XXX         | XXX           | 5/16/2002   | 35  | 570   | <0.001  | <0.001  | <0.001        | <0.001        | 182     |                       |
| 3  | 118.68         | 133         | XXX         | 20            | 8/16/2002   | 93  | 631   | <0.001  | <0.001  | <0.001        | <0.001        | 238     |                       |
| 3  | 118.9          | 133         | XXX         | 25            | 11/12/2002  | 98  | 688   | 0.03    | 0.014   | 0.002         | 0.003         | 219     |                       |
| 3  | 118.53         | 133         | XXX         | 25            | 2/13/2003   | 102 | 666   | <0.001  | <0.001  | <0.001        | <0.001        | 250     |                       |
| 3  | 118.87         | 133         | XXX         | 25            | 5/20/2003   | 168 | 885   | <0.001  | <0.001  | <0.001        | <0.001        | 278     |                       |
| 3  | 118.53         | 133         | XXX         | 25            | 9/16/2003   | 204 | 568   | <0.001  | <0.001  | <0.001        | <0.001        | 184     |                       |
| 3  | 118.79         | 133         | XXX         | 30            | 12/16/2003  | 41  | 517   | 0.013   | <0.001  | <0.001        | <0.001        | 204     |                       |
| 3  | 118.71         | 133         | XXX         | 30            | 3/11/2004   | 65  | 666   | <0.001  | <0.001  | <0.001        | <0.001        | 203     |                       |
| 3  | 118.53         | 133         | XXX         | 30            | 6/28/2004   | 124 | 735   | 0.0124  | <0.001  | <0.001        | <0.001        | 295     |                       |
| 3  | 118.52         | 133         | XXX         | 25            | 9/23/2004   | 115 | 703   | 0.00113 | <0.001  | <0.001        | <0.001        | 242     |                       |
| 3  | 118.52         | 133         | XXX         | 7             | 12/21/2004  | 154 | 1,057 | 0.0127  | <0.001  | 0.00144       | <0.001        | 272     |                       |
| 3  | 118.31         | 133         | XXX         | 25            | 3/29/2005   | 108 | 670   | <0.001  | <0.001  | <0.001        | <0.001        | 215     |                       |
| 3  | 118.41         | 133         | XXX         | 30            | 6/16/2005   | 62  | 535   | <0.001  | <0.001  | <0.001        | <0.001        | 180     |                       |
| 3  | XXX            | XXX         | XXX         | XXX           | 9/15/2005   | 56  | 664   | <0.001  | <0.001  | <0.001        | <0.001        | 139     |                       |
| 3  | 118.25         | 133.7       | 2.5         | 20            | 12/5/2005   | 31  | 450   | <0.001  | <0.001  | <0.001        | <0.001        | 131     |                       |
| 3  | 118.18         | 133.7       | 2.5         | 15            | 2/27/2006   | 27  | 562   | <0.001  | <0.001  | <0.001        | <0.001        | 123     |                       |
| 3  | 118.18         | 133.7       | 2.5         | 15            | 6/14/2006   | 38  | 514   | <0.001  | <0.001  | <0.001        | <0.001        | 151     |                       |
| 3  | 118.21         | 133.7       | 2.5         | 10            | 12/5/2006   | 26  | 486   | <0.001  | <0.001  | <0.001        | <0.001        | 164     | Sand to clear No odor |
| 3  | 118.26         | 133.4       | 2.4         | 10            | 3/15/2007   | 78  | 532   | <0.001  | <0.001  | <0.001        | <0.001        | 226     | Sand to clear No odor |
| 3  | 118.49         | 133.4       | 2.4         | 10            | 6/13/2007   | 87  | 512   | <0.001  | <0.001  | <0.001        | <0.001        | 193     | Sand to clear No odor |
| 3  | 118.07         | 133.4       | 2.5         | 10            | 9/17/2007   | 36  | 564   | <0.002  | <0.002  | <0.002        | <0.006        | 201     | Sand to clear No odor |
| 3  | 118.23         | 133.4       | 2.4         | 10            | 11/13/2007  | 32  | 537   | <0.001  | <0.001  | <0.001        | <0.003        | 223     | Sand to clear No odor |
| 3  | 118.08         | 133.4       | 2.5         | 10            | 2/23/2008   | 32  | 548   | <0.001  | <0.001  | <0.001        | <0.003        | 157     | Sand to clear No odor |
| 3  | 117.98         | 133.4       | 2.5         | 10            | 5/21/2008   | 32  | 519   | <0.002  | <0.002  | <0.002        | <0.006        | 156     | Sand to clear No odor |
| 3  | 118.13         | 133.4       | 2.4         | 10            | 8/27/2008   | 32  | 544   | <0.001  | <0.001  | <0.001        | <0.003        | 183     | Sand to clear No odor |
| 3  | 118.26         | 133.4       | 2.4         | 10            | 12/1/2008   | 36  | 577   | <0.001  | <0.001  | <0.001        | <0.003        | 177     | Sand to clear No odor |
| 3  | 118.11         | 134.3       | 2.6         | 10            | 2/25/2009   | 36  | 543   | <0.001  | <0.001  | <0.001        | <0.003        | 169     | Sand to clear No odor |
| 3  | 118.14         | 134.3       | 2.6         | 10            | 6/15/2009   | 36  | 591   | <0.001  | <0.001  | <0.001        | <0.003        | 145     | Sand to clear No odor |

**ROC - Justis H-2 (AP-49)**  
**Unit Letter H, Section 2, T26S, R37E**

| MW | Depth to Water | Total Depth | Well Volume | Volume Purged | Sample Date | Cl | TDS | Benzene | Toluene | Ethyl Benzene | Total Xylenes | Sulfate | Comments              |
|----|----------------|-------------|-------------|---------------|-------------|----|-----|---------|---------|---------------|---------------|---------|-----------------------|
| 3  | 118.04         | 134.3       | 2.6         | 10            | 9/4/2009    | 36 | 588 | <0.001  | <0.001  | <0.001        | <0.003        | 172     | Sand to clear No odor |
| 3  | 118.13         | 134.3       | 2.6         | 10            | 11/16/2009  | 48 | 527 | <0.001  | <0.001  | <0.001        | <0.003        | 142     | Sand to clear No odor |
| 3  | 117.88         | 134.31      | 2.6         | 10            | 3/5/2010    | 36 | 565 | <0.001  | <0.001  | <0.001        | <0.003        | 202     | Sand to clear No odor |
| 3  | 117.93         | 134.31      | 2.6         | 10            | 6/1/2010    | 32 | 567 | <0.001  | <0.001  | <0.001        | <0.003        | 178     | Sand to clear No odor |
| 3  | 117.92         | 134.31      | 2.6         | 10            | 8/23/2010   | 36 | 560 | <0.001  | <0.001  | <0.001        | <0.003        | 180     | Sand to clear No odor |
| 3  | 117.83         | 134.31      | 2.6         | 10            | 11/19/2010  | 36 | 552 | <0.001  | <0.001  | <0.001        | <0.003        | 206     | Sand to clear No odor |
| 3  | 117.98         | 134.33      | 2.6         | 10            | 3/7/2011    | 36 | 551 | <0.001  | <0.001  | <0.001        | <0.003        | 166     | Sand to clear No odor |
| 3  | 117.78         | 134.33      | 2.6         | 10            | 6/7/2011    | 48 | 543 | <0.001  | <0.001  | <0.001        | <0.003        | 170     | Sand to clear No odor |
| 3  | 117.79         | 134.33      | 2.6         | 10            | 9/13/2011   | 40 | 534 | <0.001  | <0.001  | <0.001        | <0.003        | 189     | Sand to clear No odor |
| 3  | 117.91         | 134.33      | 2.6         | 10            | 12/7/2011   | 36 | 554 | <0.001  | <0.001  | <0.001        | <0.003        | 190     | Sand to clear No odor |
| 3  | 117.69         | 134.33      | 2.7         | 10            | 3/7/2012    | 32 | 563 | XXX     | XXX     | XXX           | XXX           | 187     | Sand to clear No odor |
| 3  | 117.73         | 134.33      | 2.7         | 10            | 6/4/2012    | 32 | 556 | XXX     | XXX     | XXX           | XXX           | 172     | Sand to clear No odor |
| 3  | 117.68         | 134.33      | 2.7         | 10            | 9/19/2012   | 36 | 566 | <0.001  | <0.001  | <0.001        | <0.003        | 164     | Sand to clear No odor |
| 3  | 117.74         | 134.33      | 2.7         | 10            | 11/26/2012  | 40 | 558 | XXX     | XXX     | XXX           | XXX           | 147     | Sand to clear No odor |
| 3  | 117.83         | 134.33      | 2.6         | 10            | 2/26/2013   | 36 | 538 | XXX     | XXX     | XXX           | XXX           | 177     | Sand to clear No odor |
| 3  | 117.59         | 134.33      | 2.7         | 10            | 6/13/2013   | 36 | 557 | XXX     | XXX     | XXX           | XXX           | 179     | Sand to clear No odor |
| 3  | 117.68         | 134.33      | 2.7         | 10            | 9/13/2013   | 36 | 569 | XXX     | XXX     | XXX           | XXX           | 160     | Sand to clear No odor |
| 3  | 117.53         | 134.33      | 2.7         | 10            | 11/20/2013  | 36 | 540 | XXX     | XXX     | XXX           | XXX           | 183     | Sand to clear No odor |
| 3  | 117.73         | 134.33      | 2.7         | 10            | 3/17/2014   | 36 | 468 | XXX     | XXX     | XXX           | XXX           | 182     | Sand to clear No odor |
| 3  | 117.51         | 134.33      | 2.7         | 10            | 6/13/2014   | 36 | 578 | XXX     | XXX     | XXX           | XXX           | 176     | Sand to clear No odor |
| 3  | 117.48         | 134.33      | 2.7         | 10            | 9/9/2014    | 32 | 544 | XXX     | XXX     | XXX           | XXX           | 165     | Sand to clear No odor |
| 3  | 117.54         | 134.33      | 2.7         | 10            | 12/15/2014  | 36 | 512 | XXX     | XXX     | XXX           | XXX           | 145     | Sand to clear No odor |
| 3  | 117.47         | 134.33      | 2.7         | 10            | 3/12/2015   | 32 | 486 | XXX     | XXX     | XXX           | XXX           | 116     | Sand to clear No odor |
| 3  | 117.53         | 134.33      | 2.7         | 10            | 6/9/2015    | 40 | 558 | XXX     | XXX     | XXX           | XXX           | 139     | Sand to clear No odor |
| 3  | 117.46         | 134.33      | 2.7         | 10            | 8/26/2015   | 32 | 510 | XXX     | XXX     | XXX           | XXX           | 84      | Sand to clear No odor |
| 3  | 117.41         | 134.33      | 2.7         | 10            | 11/24/2015  | 32 | 520 | XXX     | XXX     | XXX           | XXX           | 186     | Sand to clear No odor |
| 3  | 117.45         | 134.33      | 2.7         | 10            | 3/24/2016   | 44 | 562 | XXX     | XXX     | XXX           | XXX           | 134     | Sand to clear No odor |
| 3  | 117.45         | 134.33      | 2.7         | 10            | 6/6/2016    | 32 | 494 | XXX     | XXX     | XXX           | XXX           | 167     | Sand to clear No odor |
| 3  | 117.48         | 134.33      | 2.7         | 10            | 9/20/2016   | 36 | 540 | XXX     | XXX     | XXX           | XXX           | 192     | Sand to clear No odor |
| 3  | 117.51         | 134.33      | 2.7         | 10            | 12/1/2016   | 36 | 490 | XXX     | XXX     | XXX           | XXX           | 187     | Sand to clear No odor |

**ROC - Justis H-2 (AP-49)**  
**Unit Letter H, Section 2, T26S, R37E**

| MW | Depth to Water | Total Depth | Well Volume | Volume Purged | Sample Date | Cl | TDS | Benzene | Toluene | Ethyl Benzene | Total Xylenes | Sulfate | Comments              |
|----|----------------|-------------|-------------|---------------|-------------|----|-----|---------|---------|---------------|---------------|---------|-----------------------|
| 3  | 117.42         | 134.33      | 2.7         | 10            | 3/9/2017    | 36 | 554 | XXX     | XXX     | XXX           | XXX           | 177     | Sand to clear No odor |
| 3  | 117.49         | 134.33      | 2.7         | 10            | 6/16/2017   | 40 | 568 | XXX     | XXX     | XXX           | XXX           | 169     | Sand to clear No odor |
| 3  | 117.43         | 134.33      | 2.7         | 10            | 9/21/2017   | 40 | 570 | XXX     | XXX     | XXX           | XXX           | 222     | Sand to clear No odor |
| 3  | 117.38         | 134.33      | 2.7         | 10            | 12/12/2017  | 40 | 376 | XXX     | XXX     | XXX           | XXX           | 194     | Sand to clear No odor |
| 3  | 117.28         | 134.33      | 2.7         | 10            | 3/14/2018   | 36 | 540 | XXX     | XXX     | XXX           | XXX           | 194     | Sand to clear No odor |
| 3  | 117.27         | 134.33      | 2.7         | 10            | 6/14/2018   | 36 | 548 | XXX     | XXX     | XXX           | XXX           | 134     | Sand to clear No odor |
| 3  | 117.38         | 134.33      | 2.7         | 10            | 9/12/2018   | 36 | 512 | XXX     | XXX     | XXX           | XXX           | 188     | Sand to clear No odor |
| 3  | 117.27         | 134.33      | 2.7         | 10            | 12/3/2018   | 40 | 486 | XXX     | XXX     | XXX           | XXX           | 224     | Sand to clear No odor |
| 3  | 117.34         | 134.33      | 2.7         | 10            | 3/22/2019   | 40 | 556 | XXX     | XXX     | XXX           | XXX           | 183     | Sand to clear No odor |
| 3  | 117.38         | 134.33      | 2.7         | 10            | 6/19/2019   | 32 | 605 | XXX     | XXX     | XXX           | XXX           | 171     | Sand to clear No odor |
| 3  | 117.39         | 134.33      | 2.7         | 10            | 9/20/2019   | 36 | 484 | XXX     | XXX     | XXX           | XXX           | 190     | Sand to clear No odor |
| 3  | 117.09         | 134.33      | 2.8         | 10            | 12/5/2019   | 32 | 581 | XXX     | XXX     | XXX           | XXX           | 211     | Sand to clear No odor |
| 3  | 117.12         | 134.33      | 2.8         | 10            | 3/20/2020   | 32 | 443 | XXX     | XXX     | XXX           | XXX           | 182     | Sand to clear No odor |
| 3  | 117.14         | 134.33      | 2.8         | 10            | 9/23/2020   | 40 | 492 | XXX     | XXX     | XXX           | XXX           | 155     | Sand to clear No odor |
| 3  | 117.16         | 134.33      | 2.7         | 10            | 3/23/2021   | 40 | 481 | XXX     | XXX     | XXX           | XXX           | 195     | Sand to clear No odor |
| 3  | 117.2          | 134.33      | 2.7         | 10            | 6/21/2021   | 44 | 582 | XXX     | XXX     | XXX           | XXX           | 218     | Sand to clear No odor |
| 3  | 117.19         | 134.33      | 2.7         | 10            | 9/21/2021   | 40 | 596 | XXX     | XXX     | XXX           | XXX           | 150     | Sand to clear No odor |
| 3  | 117.18         | 134.33      | 2.7         | 10            | 11/29/2021  | 40 | 584 | XXX     | XXX     | XXX           | XXX           | 244     | Sand to clear No odor |

## ROC - Justis H-2 (AP-49)

## Unit Letter H, Section 2, T26S, R37E

| MW | Depth to Water | Total Depth | Well Volume | Volume Purged | Sample Date | Cl  | TDS | Benzene | Toluene | Ethyl Benzene | Total Xylenes | Sulfate | Comments       |
|----|----------------|-------------|-------------|---------------|-------------|-----|-----|---------|---------|---------------|---------------|---------|----------------|
| 4  | 121.96         | 137         | XXX         | 30            | 6/28/2004   | 58  | 596 | 0.00749 | <0.001  | <0.001        | <0.001        | 225     |                |
| 4  | 121.93         | 137         | XXX         | 25            | 9/23/2004   | 53  | 648 | <0.001  | <0.001  | <0.001        | <0.001        | 180     |                |
| 4  | 121.88         | 137         | XXX         | 8             | 12/21/2004  | 59  | 865 | 0.00275 | <0.001  | <0.001        | <0.001        | 210     | calculated TDS |
| 4  | 121.66         | 137         | XXX         | 25            | 3/29/2005   | 56  | 506 | <0.001  | <0.001  | <0.001        | <0.001        | 186     |                |
| 4  | 121.8          | 137         | XXX         | 30            | 6/16/2005   | 50  | 543 | <0.001  | <0.001  | <0.001        | <0.001        | 179     |                |
| 4  | XXX            | XXX         | XXX         | XXX           | 9/15/2005   | 48  | 634 | <0.001  | <0.001  | <0.001        | <0.001        | 135     |                |
| 4  | 121.81         | 141.4       | 3.1         | 20            | 12/5/2005   | 29  | 496 | <0.001  | <0.001  | <0.001        | <0.001        | 136     |                |
| 4  | 121.59         | 141.4       | 3.2         | 20            | 2/27/2006   | 29  | 542 | <0.001  | <0.001  | <0.001        | <0.001        | 136     |                |
| 4  | 121.61         | 141.4       | 3.2         | 15            | 6/14/2006   | 40  | 564 | <0.001  | <0.001  | <0.001        | <0.001        | 157     |                |
| 4  | 121.63         | 141.4       | 3.2         | 15            | 12/5/2006   | 30  | 476 | <0.001  | <0.001  | <0.001        | <0.001        | 176     | Clear No odor  |
| 4  | 121.65         | 140.95      | 3.1         | 15            | 3/15/2007   | 41  | 514 | <0.001  | <0.001  | <0.001        | <0.001        | 211     | Clear          |
| 4  | 121.58         | 140.95      | 3.1         | 15            | 6/13/2007   | 30  | 534 | <0.001  | <0.001  | <0.001        | <0.001        | 149     | Clear No odor  |
| 4  | 121.45         | 140.95      | 3.1         | 15            | 9/17/2007   | 40  | 612 | <0.002  | <0.002  | <0.002        | <0.006        | 220     | Clear No odor  |
| 4  | 121.64         | 140.95      | 3.1         | 15            | 11/13/2007  | 36  | 547 | <0.001  | <0.001  | <0.001        | <0.003        | 222     | Clear No odor  |
| 4  | 121.45         | 140.95      | 3.1         | 15            | 2/23/2008   | 36  | 585 | <0.001  | <0.001  | <0.001        | <0.003        | 190     | Clear No odor  |
| 4  | 121.31         | 140.95      | 3.1         | 15            | 5/21/2008   | 36  | 533 | <0.002  | <0.002  | <0.002        | <0.006        | 169     | Clear No odor  |
| 4  | 121.53         | 140.95      | 3.1         | 15            | 8/27/2008   | 36  | 581 | <0.001  | <0.001  | <0.001        | <0.003        | 181     | Clear No odor  |
| 4  | 121.65         | 140.95      | 3.1         | 15            | 12/1/2008   | 36  | 621 | <0.001  | <0.001  | <0.001        | <0.003        | 187     | Clear No odor  |
| 4  | 121.48         | 140.89      | 3.1         | 15            | 2/25/2009   | 36  | 540 | <0.001  | <0.001  | <0.001        | <0.003        | 180     | Clear No odor  |
| 4  | 121.53         | 140.89      | 3.1         | 15            | 6/15/2009   | 40  | 593 | <0.001  | <0.001  | <0.001        | <0.003        | 169     | Clear No odor  |
| 4  | 121.39         | 140.89      | 3.1         | 15            | 9/4/2009    | 36  | 580 | <0.001  | <0.001  | <0.001        | <0.003        | 169     | Clear No odor  |
| 4  | 121.56         | 140.89      | 3.1         | 15            | 11/16/2009  | 36  | 471 | <0.001  | <0.001  | <0.001        | <0.003        | 148     | Clear No odor  |
| 4  | 121.22         | 140.9       | 3.1         | 15            | 3/5/2010    | 36  | 562 | <0.001  | <0.001  | <0.001        | <0.003        | 197     | Clear No odor  |
| 4  | 121.28         | 140.9       | 3.1         | 15            | 6/1/2010    | 32  | 579 | <0.001  | <0.001  | <0.001        | <0.003        | 176     | Clear No odor  |
| 4  | 121.31         | 140.9       | 3.1         | 15            | 8/23/2010   | 40  | 600 | <0.001  | <0.001  | <0.001        | <0.003        | 186     | Clear No odor  |
| 4  | 121.14         | 140.9       | 3.2         | 15            | 11/19/2010  | 36  | 534 | <0.001  | <0.001  | <0.001        | <0.003        | 214     | Clear No odor  |
| 4  | 121.44         | 140.9       | 3.1         | 15            | 3/7/2011    | 36  | 559 | <0.001  | <0.001  | <0.001        | <0.003        | 182     | Clear No odor  |
| 4  | 121.21         | 140.9       | 3.2         | 15            | 6/7/2011    | 40  | 564 | <0.001  | <0.001  | <0.001        | <0.003        | 177     | Clear No odor  |
| 4  | 121.22         | 140.9       | 3.1         | 15            | 9/13/2011   | 116 | 659 | <0.001  | <0.001  | <0.001        | <0.003        | 199     | Clear No odor  |
| 4  | 121.32         | 140.9       | 3.1         | 15            | 12/7/2011   | 36  | 558 | <0.001  | <0.001  | <0.001        | <0.003        | 209     | Clear No odor  |

## ROC - Justis H-2 (AP-49)

## Unit Letter H, Section 2, T26S, R37E

| MW | Depth to Water | Total Depth | Well Volume | Volume Purged | Sample Date | Cl  | TDS   | Benzene | Toluene | Ethyl Benzene | Total Xylenes | Sulfate | Comments      |
|----|----------------|-------------|-------------|---------------|-------------|-----|-------|---------|---------|---------------|---------------|---------|---------------|
| 4  | 121.05         | 140.9       | 3.2         | 15            | 3/7/2012    | 36  | 582   | XXX     | XXX     | XXX           | XXX           | 206     | Clear No odor |
| 4  | 121.17         | 140.9       | 3.2         | 15            | 6/4/2012    | 268 | 908   | XXX     | XXX     | XXX           | XXX           | 175     | Clear No odor |
| 4  | 121.02         | 140.9       | 3.2         | 15            | 9/19/2012   | 36  | 587   | <0.001  | <0.001  | <0.001        | <0.003        | 201     | Clear No odor |
| 4  | 121.16         | 140.9       | 3.2         | 15            | 11/26/2012  | 32  | 548   | XXX     | XXX     | XXX           | XXX           | 146     | Clear No odor |
| 4  | 121.29         | 140.9       | 3.1         | 15            | 2/26/2013   | 40  | 573   | XXX     | XXX     | XXX           | XXX           | 194     | Clear No odor |
| 4  | 121.05         | 140.9       | 3.2         | 15            | 6/13/2013   | 40  | 569   | XXX     | XXX     | XXX           | XXX           | 187     | Clear No odor |
| 4  | 121.02         | 140.9       | 3.2         | 15            | 9/13/2013   | 40  | 568   | XXX     | XXX     | XXX           | XXX           | 185     | Clear No odor |
| 4  | 120.92         | 140.9       | 3.2         | 15            | 11/20/2013  | 36  | 556   | XXX     | XXX     | XXX           | XXX           | 193     | Clear No odor |
| 4  | 121.12         | 140.9       | 3.2         | 15            | 3/17/2014   | 36  | 550   | XXX     | XXX     | XXX           | XXX           | 192     | Clear No odor |
| 4  | 120.91         | 140.9       | 3.2         | 15            | 6/13/2014   | 92  | 680   | XXX     | XXX     | XXX           | XXX           | 180     | Clear No odor |
| 4  | 120.87         | 140.9       | 3.2         | 15            | 9/9/2014    | 40  | 560   | XXX     | XXX     | XXX           | XXX           | 194     | Clear No odor |
| 4  | 120.96         | 140.9       | 3.2         | 15            | 12/15/2014  | 40  | 566   | XXX     | XXX     | XXX           | XXX           | 173     | Clear No odor |
| 4  | 120.83         | 140.9       | 3.2         | 15            | 3/12/2015   | 120 | 574   | XXX     | XXX     | XXX           | XXX           | 107     | Clear No odor |
| 4  | 120.88         | 140.9       | 3.2         | 15            | 6/9/2015    | 40  | 602   | XXX     | XXX     | XXX           | XXX           | 169     | Clear No odor |
| 4  | 120.82         | 140.9       | 3.2         | 15            | 8/26/2015   | 460 | 1,260 | XXX     | XXX     | XXX           | XXX           | 122     | Clear No odor |
| 4  | 120.75         | 140.9       | 3.2         | 15            | 11/24/2015  | 490 | 1,250 | XXX     | XXX     | XXX           | XXX           | 173     | Clear No odor |
| 4  | 120.7          | 140.9       | 3.2         | 15            | 3/24/2016   | 204 | 796   | XXX     | XXX     | XXX           | XXX           | 128     | Clear No odor |
| 4  | 120.8          | 140.9       | 3.2         | 15            | 6/6/2016    | 168 | 712   | XXX     | XXX     | XXX           | XXX           | 190     | Clear No odor |
| 4  | 120.84         | 140.9       | 3.2         | 15            | 9/20/2016   | 248 | 832   | XXX     | XXX     | XXX           | XXX           | 134     | Clear No odor |
| 4  | 120.86         | 140.9       | 3.2         | 15            | 12/1/2016   | 84  | 602   | XXX     | XXX     | XXX           | XXX           | 187     | Clear No odor |
| 4  | 120.81         | 140.9       | 3.2         | 15            | 3/9/2017    | 336 | 1,040 | XXX     | XXX     | XXX           | XXX           | 96.6    | Clear No odor |
| 4  | 120.85         | 140.9       | 3.2         | 15            | 6/16/2017   | 368 | 1,070 | XXX     | XXX     | XXX           | XXX           | 198     | Clear No odor |
| 4  | 120.82         | 140.9       | 3.2         | 15            | 9/21/2017   | 332 | 1,170 | XXX     | XXX     | XXX           | XXX           | 211     | Clear No odor |
| 4  | 120.77         | 140.9       | 3.2         | 15            | 12/12/2017  | 376 | 1,070 | XXX     | XXX     | XXX           | XXX           | 113     | Clear No odor |
| 4  | 120.67         | 140.9       | 3.2         | 15            | 3/14/2018   | 332 | 926   | XXX     | XXX     | XXX           | XXX           | 117     | Clear No odor |
| 4  | 120.65         | 140.9       | 3.2         | 15            | 6/14/2018   | 300 | 946   | XXX     | XXX     | XXX           | XXX           | 199     | Clear No odor |
| 4  | 120.82         | 140.9       | 3.2         | 15            | 9/12/2018   | 44  | 564   | XXX     | XXX     | XXX           | XXX           | 172     | Clear No odor |
| 4  | 120.56         | 140.9       | 3.3         | 15            | 12/3/2018   | 40  | 548   | XXX     | XXX     | XXX           | XXX           | 241     | Clear No odor |
| 4  | 120.72         | 140.9       | 3.2         | 15            | 3/22/2019   | 44  | 511   | XXX     | XXX     | XXX           | XXX           | 190     | Clear No odor |
| 4  | 120.77         | 140.9       | 3.2         | 15            | 6/19/2019   | 40  | 600   | XXX     | XXX     | XXX           | XXX           | 188     | Clear No odor |

## ROC - Justis H-2 (AP-49)

## Unit Letter H, Section 2, T26S, R37E

| MW | Depth to Water | Total Depth | Well Volume | Volume Purged | Sample Date | Cl | TDS | Benzene | Toluene | Ethyl Benzene | Total Xylenes | Sulfate | Comments      |
|----|----------------|-------------|-------------|---------------|-------------|----|-----|---------|---------|---------------|---------------|---------|---------------|
| 4  | 120.79         | 140.9       | 3.2         | 15            | 9/20/2019   | 40 | 546 | XXX     | XXX     | XXX           | XXX           | 236     | Clear No odor |
| 4  | 120.5          | 140.9       | 3.3         | 15            | 12/5/2019   | 36 | 559 | XXX     | XXX     | XXX           | XXX           | 203     | Clear No odor |
| 4  | 120.54         | 140.9       | 3.3         | 15            | 3/20/2020   | 40 | 602 | XXX     | XXX     | XXX           | XXX           | 193     | Clear No odor |
| 4  | 120.55         | 140.9       | 3.3         | 15            | 9/23/2020   | 40 | 514 | XXX     | XXX     | XXX           | XXX           | 177     | Clear No odor |
| 4  | 120.58         | 140.9       | 3.3         | 15            | 3/23/2021   | 72 | 579 | XXX     | XXX     | XXX           | XXX           | 184     | Clear No odor |
| 4  | 120.6          | 140.9       | 3.2         | 15            | 6/21/2021   | 40 | 606 | XXX     | XXX     | XXX           | XXX           | 223     | Clear No odor |
| 4  | 120.58         | 140.9       | 3.3         | 15            | 9/21/2021   | 40 | 573 | XXX     | XXX     | XXX           | XXX           | 185     | Clear No odor |
| 4  | 120.57         | 140.9       | 3.3         | 15            | 11/29/2021  | 44 | 605 | XXX     | XXX     | XXX           | XXX           | 211     | Clear No odor |

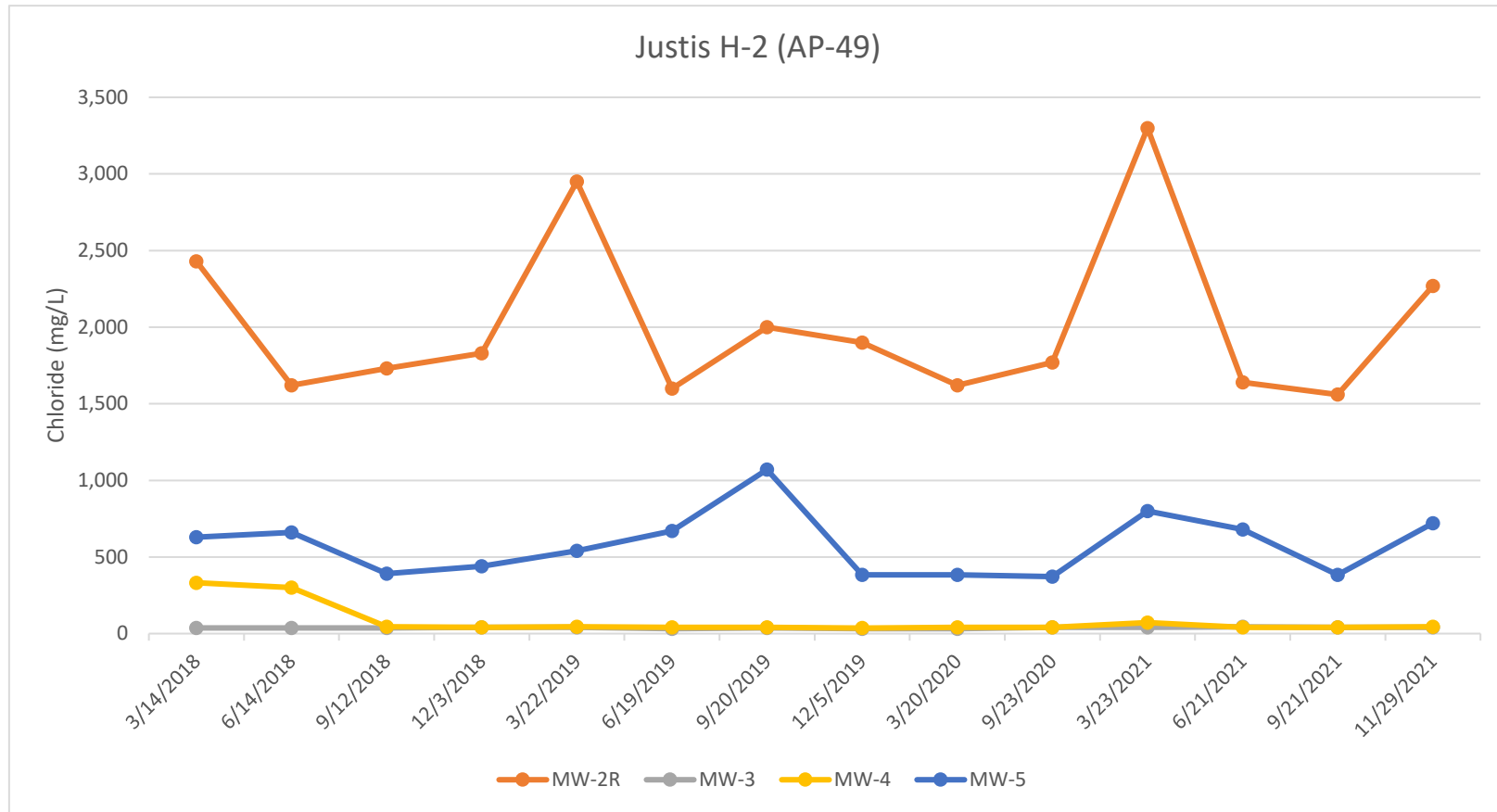
| MW | Depth to Water | Total Depth | Well Volume | Volume Purged | Sample Date | Cl  | TDS   | Benzene | Toluene | Ethyl Benzene | Total Xylenes | Sulfate | Comments       |
|----|----------------|-------------|-------------|---------------|-------------|-----|-------|---------|---------|---------------|---------------|---------|----------------|
| 5  | 120.04         | 135         | XXX         | 30            | 6/28/2004   | 310 | 1,130 | 0.0105  | <0.001  | 0.00108       | <0.001        | 238     |                |
| 5  | 119.98         | 135         | XXX         | 25            | 9/23/2004   | 160 | 792   | <0.001  | <0.001  | <0.001        | <0.001        | 224     |                |
| 5  | 119.93         | 135         | XXX         | 8             | 12/21/2004  | 165 | 1,072 | 0.00292 | <0.001  | <0.001        | <0.001        | 224     | calculated TDS |
| 5  | 119.73         | 135         | XXX         | 25            | 3/29/2005   | 202 | 636   | <0.001  | <0.001  | <0.001        | <0.001        | 201     |                |
| 5  | 119.88         | 135         | XXX         | 30            | 6/16/2005   | 172 | 767   | <0.001  | <0.001  | <0.001        | <0.001        | 187     |                |
| 5  | XXX            | XXX         | XXX         | XXX           | 9/15/2005   | 147 | 852   | <0.001  | <0.001  | <0.001        | <0.001        | 136     |                |
| 5  | 119.8          | 140         | 3.2         | 20            | 12/5/2005   | 159 | 662   | <0.001  | <0.001  | <0.001        | <0.001        | 142     |                |
| 5  | 119.68         | 140         | 3.3         | 20            | 2/27/2006   | 167 | 696   | <0.001  | <0.001  | <0.001        | <0.001        | 139     |                |
| 5  | 119.65         | 140         | 3.3         | 15            | 6/14/2006   | 197 | 786   | <0.001  | <0.001  | <0.001        | <0.001        | 152     |                |
| 5  | 119.74         | 140         | 3.2         | 15            | 12/5/2006   | 186 | 748   | <0.001  | <0.001  | <0.001        | <0.001        | 173     | Clear No odor  |
| 5  | 119.72         | 138.8       | 3.1         | 15            | 3/15/2007   | 255 | 766   | <0.001  | <0.001  | <0.001        | <0.001        | 220     | Clear No odor  |
| 5  | 119.65         | 138.8       | 3.1         | 15            | 6/13/2007   | 189 | 842   | <0.001  | <0.001  | <0.001        | <0.001        | 156     | Clear No odor  |
| 5  | 119.53         | 138.8       | 3.1         | 15            | 9/17/2007   | 68  | 668   | <0.002  | <0.002  | <0.002        | <0.006        | 227     | Clear No odor  |
| 5  | 119.7          | 138.8       | 3.1         | 15            | 11/13/2007  | 100 | 669   | <0.001  | <0.001  | <0.001        | <0.003        | 234     | Clear No odor  |
| 5  | 119.55         | 138.8       | 3.1         | 15            | 2/23/2008   | 216 | 900   | <0.001  | <0.001  | <0.001        | <0.003        | 198     | Clear No odor  |
| 5  | 119.41         | 138.8       | 3.1         | 15            | 5/21/2008   | 208 | 877   | <0.002  | <0.002  | <0.002        | <0.006        | 177     | Clear No odor  |
| 5  | 119.59         | 138.8       | 3.1         | 15            | 8/27/2008   | 200 | 945   | <0.001  | <0.001  | <0.001        | <0.003        | 198     | Clear No odor  |
| 5  | 119.7          | 138.8       | 3.1         | 15            | 12/1/2008   | 200 | 885   | <0.001  | <0.001  | <0.001        | <0.003        | 189     | Clear No odor  |

**ROC - Justis H-2 (AP-49)**  
**Unit Letter H, Section 2, T26S, R37E**

| MW | Depth to Water | Total Depth | Well Volume | Volume Purged | Sample Date | Cl    | TDS   | Benzene | Toluene | Ethyl Benzene | Total Xylenes | Sulfate | Comments      |
|----|----------------|-------------|-------------|---------------|-------------|-------|-------|---------|---------|---------------|---------------|---------|---------------|
| 5  | 119.54         | 138.75      | 3.1         | 15            | 2/25/2009   | 184   | 747   | <0.001  | <0.001  | <0.001        | <0.003        | 185     | Clear No odor |
| 5  | 119.55         | 138.75      | 3.1         | 15            | 6/15/2009   | 204   | 894   | <0.001  | <0.001  | <0.001        | <0.003        | 179     | Clear No odor |
| 5  | 119.46         | 138.75      | 3.1         | 15            | 9/4/2009    | 204   | 873   | <0.001  | <0.001  | <0.001        | <0.003        | 181     | Clear No odor |
| 5  | 119.61         | 138.75      | 3.1         | 15            | 11/16/2009  | 192   | 741   | <0.001  | <0.001  | <0.001        | <0.003        | 157     | Clear No odor |
| 5  | 119.27         | 138.75      | 3.1         | 15            | 3/5/2010    | 140   | 721   | <0.001  | <0.001  | <0.001        | <0.003        | 210     | Clear No odor |
| 5  | 119.34         | 138.75      | 3.1         | 15            | 6/1/2010    | 172   | 855   | <0.001  | <0.001  | <0.001        | <0.003        | 190     | Clear No odor |
| 5  | 119.29         | 138.75      | 3.1         | 15            | 8/23/2010   | 144   | 788   | <0.001  | <0.001  | <0.001        | <0.003        | 196     | Clear No odor |
| 5  | 119.23         | 138.75      | 3.1         | 15            | 11/19/2010  | 184   | 749   | <0.001  | <0.001  | <0.001        | <0.003        | 226     | Clear No odor |
| 5  | 119.45         | 138.75      | 3.1         | 15            | 3/7/2011    | 124   | 699   | <0.001  | <0.001  | <0.001        | <0.003        | 181     | Clear No odor |
| 5  | 119.19         | 138.75      | 3.1         | 15            | 6/7/2011    | 156   | 714   | <0.001  | <0.001  | <0.001        | <0.003        | 174     | Clear No odor |
| 5  | 119.2          | 138.75      | 3.1         | 15            | 9/13/2011   | 168   | 750   | <0.001  | <0.001  | <0.001        | <0.003        | 199     | Clear No odor |
| 5  | 119.34         | 138.75      | 3.1         | 15            | 12/7/2011   | 168   | 731   | <0.001  | <0.001  | <0.001        | <0.003        | 214     | Clear No odor |
| 5  | 119.06         | 138.75      | 3.2         | 15            | 3/7/2012    | 256   | 879   | XXX     | XXX     | XXX           | XXX           | 189     | Clear No odor |
| 5  | 119.22         | 138.75      | 3.1         | 15            | 6/4/2012    | 268   | 908   | XXX     | XXX     | XXX           | XXX           | 175     | Clear No odor |
| 5  | 119.09         | 138.75      | 3.1         | 15            | 9/19/2012   | 364   | 1,060 | <0.001  | <0.001  | <0.001        | <0.003        | 172     | Clear No odor |
| 5  | 119.23         | 138.75      | 3.1         | 15            | 11/26/2012  | 432   | 1,120 | XXX     | XXX     | XXX           | XXX           | 154     | Clear No odor |
| 5  | 119.31         | 138.75      | 3.1         | 15            | 2/26/2013   | 432   | 1,010 | XXX     | XXX     | XXX           | XXX           | 146     | Clear No odor |
| 5  | 119.08         | 138.75      | 3.1         | 15            | 6/13/2013   | 344   | 1,080 | XXX     | XXX     | XXX           | XXX           | 173     | Clear No odor |
| 5  | 119.07         | 138.75      | 3.1         | 15            | 9/13/2013   | 344   | 1,030 | XXX     | XXX     | XXX           | XXX           | 163     | Clear No odor |
| 5  | 118.94         | 138.75      | 3.2         | 15            | 11/20/2013  | 343   | 1,020 | XXX     | XXX     | XXX           | XXX           | 179     | Clear No odor |
| 5  | 119.17         | 138.75      | 3.1         | 15            | 3/17/2014   | 580   | 1,270 | XXX     | XXX     | XXX           | XXX           | 166     | Clear No odor |
| 5  | 119.03         | 138.75      | 3.2         | 15            | 6/13/2014   | 480   | 1,370 | XXX     | XXX     | XXX           | XXX           | 186     | Clear No odor |
| 5  | 118.93         | 138.75      | 3.2         | 15            | 9/9/2014    | 510   | 1,420 | XXX     | XXX     | XXX           | XXX           | 191     | Clear No odor |
| 5  | 119.03         | 138.75      | 3.2         | 15            | 12/15/2014  | 392   | 1,090 | XXX     | XXX     | XXX           | XXX           | 175     | Clear No odor |
| 5  | 118.92         | 138.75      | 3.2         | 15            | 3/12/2015   | 500   | 1,340 | XXX     | XXX     | XXX           | XXX           | 50      | Clear No odor |
| 5  | 118.91         | 138.75      | 3.2         | 15            | 6/9/2015    | 740   | 2,010 | XXX     | XXX     | XXX           | XXX           | 122     | Clear No odor |
| 5  | 118.86         | 138.75      | 3.2         | 15            | 8/26/2015   | 1,140 | 2,710 | XXX     | XXX     | XXX           | XXX           | 139     | Clear No odor |
| 5  | 118.8          | 138.75      | 3.2         | 15            | 11/24/2015  | 740   | 1,950 | XXX     | XXX     | XXX           | XXX           | 192     | Clear No odor |
| 5  | 118.75         | 138.75      | 3.2         | 15            | 3/24/2016   | 610   | 1,400 | XXX     | XXX     | XXX           | XXX           | 56      | Clear No odor |
| 5  | 118.86         | 138.75      | 3.2         | 15            | 6/6/2016    | 620   | 1,190 | XXX     | XXX     | XXX           | XXX           | 172     | Clear No odor |

**ROC - Justis H-2 (AP-49)**  
**Unit Letter H, Section 2, T26S, R37E**

| MW | Depth to Water | Total Depth | Well Volume | Volume Purged | Sample Date | Cl    | TDS   | Benzene | Toluene | Ethyl Benzene | Total Xylenes | Sulfate | Comments      |
|----|----------------|-------------|-------------|---------------|-------------|-------|-------|---------|---------|---------------|---------------|---------|---------------|
| 5  | 118.9          | 138.75      | 3.2         | 15            | 9/20/2016   | 432   | 1,200 | XXX     | XXX     | XXX           | XXX           | 178     | Clear No odor |
| 5  | 118.93         | 138.75      | 3.2         | 15            | 12/1/2016   | 410   | 1,170 | XXX     | XXX     | XXX           | XXX           | 187     | Clear No odor |
| 5  | 118.87         | 138.75      | 3.2         | 15            | 3/9/2017    | 580   | 1,500 | XXX     | XXX     | XXX           | XXX           | 148     | Clear No odor |
| 5  | 118.91         | 138.75      | 3.2         | 15            | 6/16/2017   | 670   | 1,670 | XXX     | XXX     | XXX           | XXX           | 170     | Clear No odor |
| 5  | 118.88         | 138.75      | 3.2         | 15            | 9/21/2017   | 640   | 2,150 | XXX     | XXX     | XXX           | XXX           | 204     | Clear No odor |
| 5  | 118.86         | 138.75      | 3.2         | 15            | 12/12/2017  | 540   | 1,400 | XXX     | XXX     | XXX           | XXX           | 151     | Clear No odor |
| 5  | 118.74         | 138.75      | 3.2         | 15            | 3/14/2018   | 630   | 1,430 | XXX     | XXX     | XXX           | XXX           | 169     | Clear No odor |
| 5  | 118.73         | 138.75      | 3.2         | 15            | 6/14/2018   | 660   | 1,540 | XXX     | XXX     | XXX           | XXX           | 174     | Clear No odor |
| 5  | 118.98         | 138.75      | 3.2         | 15            | 9/12/2018   | 392   | 1,150 | XXX     | XXX     | XXX           | XXX           | 194     | Clear No odor |
| 5  | 118.63         | 138.75      | 3.2         | 15            | 12/3/2018   | 440   | 804   | XXX     | XXX     | XXX           | XXX           | 227     | Clear No odor |
| 5  | 118.77         | 138.75      | 3.2         | 15            | 3/22/2019   | 540   | 1,270 | XXX     | XXX     | XXX           | XXX           | 193     | Clear No odor |
| 5  | 118.82         | 138.75      | 3.2         | 15            | 6/19/2019   | 670   | 1,470 | XXX     | XXX     | XXX           | XXX           | 167     | Clear No odor |
| 5  | 118.85         | 138.75      | 3.2         | 15            | 9/20/2019   | 1,070 | 2,020 | XXX     | XXX     | XXX           | XXX           | 165     | Clear No odor |
| 5  | 118.57         | 138.75      | 3.2         | 15            | 12/5/2019   | 384   | 1,120 | XXX     | XXX     | XXX           | XXX           | 172     | Clear No odor |
| 5  | 118.6          | 138.75      | 3.2         | 15            | 3/20/2020   | 384   | 933   | XXX     | XXX     | XXX           | XXX           | 191     | Clear No odor |
| 5  | 118.62         | 138.75      | 3.2         | 15            | 9/23/2020   | 372   | 1,080 | XXX     | XXX     | XXX           | XXX           | 171     | Clear No odor |
| 5  | 118.63         | 138.75      | 3.2         | 15            | 3/23/2021   | 800   | 1,420 | XXX     | XXX     | XXX           | XXX           | 184     | Clear No odor |
| 5  | 118.69         | 138.75      | 3.2         | 15            | 6/21/2021   | 680   | 1,550 | XXX     | XXX     | XXX           | XXX           | 216     | Clear No odor |
| 5  | 118.64         | 138.75      | 3.2         | 15            | 9/21/2021   | 384   | 1,150 | XXX     | XXX     | XXX           | XXX           | 189     | Clear No odor |
| 5  | 118.6          | 138.75      | 3.2         | 15            | 11/29/2021  | 720   | 1,540 | XXX     | XXX     | XXX           | XXX           | 191     | Clear No odor |





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

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April 01, 2021

KATIE JONES

Rice Operating Company

112 W. Taylor

Hobbs, NM 88240

RE: JUSTIS H-2 SWD

Enclosed are the results of analyses for samples received by the laboratory on 03/26/21 16:15.

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

Cardinal Laboratories is accredited 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,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is fluid and cursive.

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

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

|                   |                               |                     |                |
|-------------------|-------------------------------|---------------------|----------------|
| Received:         | 03/26/2021                    | Sampling Date:      | 03/23/2021     |
| Reported:         | 04/01/2021                    | Sampling Type:      | Water          |
| Project Name:     | JUSTIS H-2 SWD                | Sampling Condition: | Cool & Intact  |
| Project Number:   | NOT GIVEN                     | Sample Received By: | Tamara Oldaker |
| Project Location: | T26S-R37E-SEC2 H-LEA CTY., NM |                     |                |

**Sample ID: MONITOR WELL #2R (H210764-01)**

| Chloride, SM4500Cl-B |        | mg/L            |            | Analyzed By: GM |      |            |               |       |           |  |
|----------------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |  |
| Chloride*            | 3300   | 4.00            | 03/29/2021 | ND              | 104  | 104        | 100           | 3.92  |           |  |
| Sulfate 375.4        |        | mg/L            |            | Analyzed By: GM |      |            |               |       |           |  |
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |  |
| Sulfate*             | 185    | 25.0            | 03/31/2021 | ND              | 22.0 | 110        | 20.0          | 0.273 |           |  |
| TDS 160.1            |        | mg/L            |            | Analyzed By: GM |      |            |               |       |           |  |
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |  |
| TDS*                 | 4770   | 5.00            | 03/31/2021 | ND              | 475  | 95.0       | 500           | 16.3  |           |  |

**Sample ID: MONITOR WELL #3 (H210764-02)**

| Chloride, SM4500Cl-B |        | mg/L            |            | Analyzed By: GM |      |            |               |       |           |  |
|----------------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |  |
| Chloride*            | 40.0   | 4.00            | 03/29/2021 | ND              | 104  | 104        | 100           | 3.92  |           |  |
| Sulfate 375.4        |        | mg/L            |            | Analyzed By: GM |      |            |               |       |           |  |
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |  |
| Sulfate*             | 195    | 25.0            | 03/31/2021 | ND              | 22.0 | 110        | 20.0          | 0.273 |           |  |
| TDS 160.1            |        | mg/L            |            | Analyzed By: GM |      |            |               |       |           |  |
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |  |
| TDS*                 | 481    | 5.00            | 03/30/2021 | ND              | 475  | 95.0       | 500           | 16.3  |           |  |

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

|                   |                               |                     |                |
|-------------------|-------------------------------|---------------------|----------------|
| Received:         | 03/26/2021                    | Sampling Date:      | 03/23/2021     |
| Reported:         | 04/01/2021                    | Sampling Type:      | Water          |
| Project Name:     | JUSTIS H-2 SWD                | Sampling Condition: | Cool & Intact  |
| Project Number:   | NOT GIVEN                     | Sample Received By: | Tamara Oldaker |
| Project Location: | T26S-R37E-SEC2 H-LEA CTY., NM |                     |                |

**Sample ID: MONITOR WELL #4 (H210764-03)**

| Chloride, SM4500Cl-B |        | mg/L            |            | Analyzed By: GM |      |            |               |       |           |  |
|----------------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |  |
| Chloride*            | 72.0   | 4.00            | 03/29/2021 | ND              | 104  | 104        | 100           | 3.92  |           |  |
| Sulfate 375.4        |        | mg/L            |            | Analyzed By: GM |      |            |               |       |           |  |
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |  |
| Sulfate*             | 184    | 25.0            | 03/31/2021 | ND              | 22.0 | 110        | 20.0          | 0.273 |           |  |
| TDS 160.1            |        | mg/L            |            | Analyzed By: GM |      |            |               |       |           |  |
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |  |
| TDS*                 | 579    | 5.00            | 03/31/2021 | ND              | 475  | 95.0       | 500           | 16.3  |           |  |

**Sample ID: MONITOR WELL #5 (H210764-04)**

| Chloride, SM4500Cl-B |               | mg/L   |                 | Analyzed By: GM |              |      |            |               |       |           |
|----------------------|---------------|--------|-----------------|-----------------|--------------|------|------------|---------------|-------|-----------|
|                      | Analyte       | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Chloride*            |               | 800    | 4.00            | 03/29/2021      | ND           | 104  | 104        | 100           | 3.92  |           |
|                      | Sulfate 375.4 |        |                 |                 |              |      |            |               |       |           |
|                      |               | mg/L   |                 | Analyzed By: GM |              |      |            |               |       |           |
|                      | Analyte       | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Sulfate*             |               | 184    | 50.0            | 03/31/2021      | ND           | 22.0 | 110        | 20.0          | 0.273 |           |
|                      | TDS 160.1     |        |                 |                 |              |      |            |               |       |           |
|                      |               | mg/L   |                 | Analyzed By: GM |              |      |            |               |       |           |
|                      | Analyte       | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| TDS*                 |               | 1420   | 5.00            | 03/31/2021      | ND           | 475  | 95.0       | 500           | 16.3  |           |
|                      |               |        |                 |                 |              |      |            |               |       |           |

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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### 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<br>Samples reported on an as received basis (wet) unless otherwise noted on report |

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A handwritten signature in black ink, appearing to read "C. D. Keene".

---

Celey D. Keene, Lab Director/Quality Manager

## Cardinal Laboratories, Inc.

### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

LAB Order ID # \_\_\_\_\_

### ANALYSIS REQUEST

(Circle or Specify Method No.)

[illegible]

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

(Initials)

Email Results: [kjones@riceswd.com](mailto:kjones@riceswd.com)  
[rozanne@sdacres.com](mailto:rozanne@sdacres.com)



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

---

June 29, 2021

KATIE JONES

Rice Operating Company

112 W. Taylor

Hobbs, NM 88240

RE: JUSTIS H-2 SWD

Enclosed are the results of analyses for samples received by the laboratory on 06/24/21 15:10.

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

Cardinal Laboratories is accredited 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,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

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

|                   |                               |                     |                |
|-------------------|-------------------------------|---------------------|----------------|
| Received:         | 06/24/2021                    | Sampling Date:      | 06/21/2021     |
| Reported:         | 06/29/2021                    | Sampling Type:      | Water          |
| Project Name:     | JUSTIS H-2 SWD                | Sampling Condition: | Cool & Intact  |
| Project Number:   | NOT GIVEN                     | Sample Received By: | Tamara Oldaker |
| Project Location: | T26S-R37E-SEC2 H-LEA CTY., NM |                     |                |

**Sample ID: MONITOR WELL #2 R (H211646-01)**

| Chloride, SM4500Cl-B |        | mg/L            |            | Analyzed By: AC |      |            |               |        |           |  |
|----------------------|--------|-----------------|------------|-----------------|------|------------|---------------|--------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD    | Qualifier |  |
| Chloride*            | 1640   | 4.00            | 06/25/2021 | ND              | 104  | 104        | 100           | 0.00   |           |  |
| Sulfate 375.4        |        | mg/L            |            | Analyzed By: GM |      |            |               |        |           |  |
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD    | Qualifier |  |
| Sulfate*             | 192    | 50.0            | 06/28/2021 | ND              | 21.2 | 106        | 20.0          | 3.51   | QM-07     |  |
| TDS 160.1            |        | mg/L            |            | Analyzed By: GM |      |            |               |        |           |  |
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD    | Qualifier |  |
| TDS*                 | 3110   | 5.00            | 06/28/2021 | ND              | 515  | 103        | 500           | 0.0280 |           |  |

**Sample ID: MONITOR WELL #3 (H211646-02)**

| Chloride, SM4500Cl-B |        | mg/L            |            | Analyzed By: AC |      |            |               |        |           |  |
|----------------------|--------|-----------------|------------|-----------------|------|------------|---------------|--------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD    | Qualifier |  |
| Chloride*            | 44.0   | 4.00            | 06/25/2021 | ND              | 104  | 104        | 100           | 0.00   |           |  |
| Sulfate 375.4        |        | mg/L            |            | Analyzed By: GM |      |            |               |        |           |  |
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD    | Qualifier |  |
| Sulfate*             | 218    | 50.0            | 06/28/2021 | ND              | 21.2 | 106        | 20.0          | 3.51   |           |  |
| TDS 160.1            |        | mg/L            |            | Analyzed By: GM |      |            |               |        |           |  |
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD    | Qualifier |  |
| TDS*                 | 582    | 5.00            | 06/28/2021 | ND              | 515  | 103        | 500           | 0.0280 |           |  |

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

|                   |                               |                     |                |
|-------------------|-------------------------------|---------------------|----------------|
| Received:         | 06/24/2021                    | Sampling Date:      | 06/21/2021     |
| Reported:         | 06/29/2021                    | Sampling Type:      | Water          |
| Project Name:     | JUSTIS H-2 SWD                | Sampling Condition: | Cool & Intact  |
| Project Number:   | NOT GIVEN                     | Sample Received By: | Tamara Oldaker |
| Project Location: | T26S-R37E-SEC2 H-LEA CTY., NM |                     |                |

**Sample ID: MONITOR WELL #4 (H211646-03)**

| Chloride, SM4500Cl-B |        | mg/L            |            | Analyzed By: AC |      |            |               |        |           |  |
|----------------------|--------|-----------------|------------|-----------------|------|------------|---------------|--------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD    | Qualifier |  |
| Chloride*            | 40.0   | 4.00            | 06/25/2021 | ND              | 104  | 104        | 100           | 0.00   |           |  |
| Sulfate 375.4        |        | mg/L            |            | Analyzed By: GM |      |            |               |        |           |  |
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD    | Qualifier |  |
| Sulfate*             | 223    | 50.0            | 06/28/2021 | ND              | 21.2 | 106        | 20.0          | 3.51   |           |  |
| TDS 160.1            |        | mg/L            |            | Analyzed By: GM |      |            |               |        |           |  |
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD    | Qualifier |  |
| TDS*                 | 606    | 5.00            | 06/28/2021 | ND              | 515  | 103        | 500           | 0.0280 |           |  |

**Sample ID: MONITOR WELL #5 (H211646-04)**

| Chloride, SM4500Cl-B |        | mg/L            |            | Analyzed By: AC |      |            |               |        |           |  |
|----------------------|--------|-----------------|------------|-----------------|------|------------|---------------|--------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD    | Qualifier |  |
| Chloride*            | 680    | 4.00            | 06/25/2021 | ND              | 104  | 104        | 100           | 0.00   |           |  |
| Sulfate 375.4        |        | mg/L            |            | Analyzed By: GM |      |            |               |        |           |  |
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD    | Qualifier |  |
| Sulfate*             | 216    | 50.0            | 06/28/2021 | ND              | 21.2 | 106        | 20.0          | 3.51   |           |  |
| TDS 160.1            |        | mg/L            |            | Analyzed By: GM |      |            |               |        |           |  |
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD    | Qualifier |  |
| TDS*                 | 1550   | 5.00            | 06/28/2021 | ND              | 515  | 103        | 500           | 0.0280 |           |  |

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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### 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<br>Samples reported on an as received basis (wet) unless otherwise noted on report |

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

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Celey D. Keene, Lab Director/Quality Manager

## Cardinal Laboratories, Inc.

Project Location: T26S-R37E-Sec2 H ~ Lea County - New Mexico

|                              |                                                                                                                             |                      |
|------------------------------|-----------------------------------------------------------------------------------------------------------------------------|----------------------|
| Delivered By: (Circle One)   | Sample Condition                                                                                                            | CHECKED BY:          |
| Sampler - UPS - Bus - Other: | Yes <input checked="" type="checkbox"/> Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> | (Initials) <u>JS</u> |
|                              | No <input type="checkbox"/> No <input type="checkbox"/>                                                                     |                      |

## LAB Order ID # \_\_\_\_\_

(Circle or Specify Method No.)

[illegible]

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

REMARKS:

Email Results: [kjones@riceswd.com](mailto:kjones@riceswd.com)  
[rozanne@sdacres.com](mailto:rozanne@sdacres.com)

Page 5 of 5

Released to Imaging: 12/16/2022 3:38:16 PM



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

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September 30, 2021

KATIE JONES

Rice Operating Company

112 W. Taylor

Hobbs, NM 88240

RE: JUSTIS H-2 SWD

Enclosed are the results of analyses for samples received by the laboratory on 09/27/21 14:25.

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/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

Cardinal Laboratories is accredited 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,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

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

|                   |                               |                     |                |
|-------------------|-------------------------------|---------------------|----------------|
| Received:         | 09/27/2021                    | Sampling Date:      | 09/21/2021     |
| Reported:         | 09/30/2021                    | Sampling Type:      | Water          |
| Project Name:     | JUSTIS H-2 SWD                | Sampling Condition: | Cool & Intact  |
| Project Number:   | NOT GIVEN                     | Sample Received By: | Tamara Oldaker |
| Project Location: | T26S-R37E-SEC2 H-LEA CTY., NM |                     |                |

**Sample ID: MONITOR WELL #2R (H212680-01)**

| Chloride, SM4500Cl-B |        | mg/L            |            | Analyzed By: GM |      |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride*            | 1560   | 4.00            | 09/28/2021 | ND              | 100  | 100        | 100           | 3.92 |           |  |
| Sulfate 375.4        |        | mg/L            |            | Analyzed By: AC |      |            |               |      |           |  |
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Sulfate*             | 163    | 25.0            | 09/28/2021 | ND              | 19.8 | 99.0       | 20.0          | 11.1 | QM-07     |  |
| TDS 160.1            |        | mg/L            |            | Analyzed By: AC |      |            |               |      |           |  |
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| TDS*                 | 3870   | 5.00            | 09/30/2021 | ND              | 268  | 89.3       | 300           | 2.79 |           |  |

**Sample ID: MONITOR WELL #3 (H212680-02)**

| Chloride, SM4500Cl-B |        | mg/L            |            | Analyzed By: GM |      |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride*            | 40.0   | 4.00            | 09/28/2021 | ND              | 100  | 100        | 100           | 3.92 |           |  |
| Sulfate 375.4        |        | mg/L            |            | Analyzed By: AC |      |            |               |      |           |  |
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Sulfate*             | 150    | 50.0            | 09/28/2021 | ND              | 19.8 | 99.0       | 20.0          | 11.1 |           |  |
| TDS 160.1            |        | mg/L            |            | Analyzed By: AC |      |            |               |      |           |  |
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| TDS*                 | 596    | 5.00            | 09/30/2021 | ND              | 268  | 89.3       | 300           | 2.79 |           |  |

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

|                   |                               |                     |                |
|-------------------|-------------------------------|---------------------|----------------|
| Received:         | 09/27/2021                    | Sampling Date:      | 09/21/2021     |
| Reported:         | 09/30/2021                    | Sampling Type:      | Water          |
| Project Name:     | JUSTIS H-2 SWD                | Sampling Condition: | Cool & Intact  |
| Project Number:   | NOT GIVEN                     | Sample Received By: | Tamara Oldaker |
| Project Location: | T26S-R37E-SEC2 H-LEA CTY., NM |                     |                |

**Sample ID: MONITOR WELL #4 (H212680-03)**

| Chloride, SM4500Cl-B |        | mg/L            |            | Analyzed By: GM |      |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride*            | 40.0   | 4.00            | 09/28/2021 | ND              | 100  | 100        | 100           | 3.92 |           |  |
| Sulfate 375.4        |        | mg/L            |            | Analyzed By: AC |      |            |               |      |           |  |
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Sulfate*             | 185    | 25.0            | 09/28/2021 | ND              | 19.8 | 99.0       | 20.0          | 11.1 |           |  |
| TDS 160.1            |        | mg/L            |            | Analyzed By: AC |      |            |               |      |           |  |
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| TDS*                 | 573    | 5.00            | 09/30/2021 | ND              | 268  | 89.3       | 300           | 2.79 |           |  |

**Sample ID: MONITOR WELL #5 (H212680-04)**

| Chloride, SM4500Cl-B |        | mg/L            |            | Analyzed By: GM |      |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride*            | 384    | 4.00            | 09/28/2021 | ND              | 100  | 100        | 100           | 3.92 |           |  |
| Sulfate 375.4        |        | mg/L            |            | Analyzed By: AC |      |            |               |      |           |  |
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Sulfate*             | 189    | 25.0            | 09/28/2021 | ND              | 19.8 | 99.0       | 20.0          | 11.1 |           |  |
| TDS 160.1            |        | mg/L            |            | Analyzed By: AC |      |            |               |      |           |  |
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| TDS*                 | 1150   | 5.00            | 09/30/2021 | ND              | 268  | 89.3       | 300           | 2.79 |           |  |

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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### 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<br>Samples reported on an as received basis (wet) unless otherwise noted on report |

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A handwritten signature in black ink, appearing to read "C. D. Keene".

---

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**

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**

Project #: \_\_\_\_\_ Project Name: **Justis H-2 SWD**  
Project Location: **T26S-R37E-Sec2 H ~ Lea County - New Mexico**  
Sampler Signature: *Rozanne Johnson* (575) 831-9310

## ANALYSIS REQUEST

(Circle or Specify Method No.)

| H212680<br>LAB #<br><br>(LAB USE ONLY) | FIELD CODE       | (G)rab or (C)omp | # CONTAINERS | MATRIX |      |     |        | PRESERVATIVE METHOD |      |        |       | SAMPLING            |      | 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 8010B/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 |             |      |
|----------------------------------------|------------------|------------------|--------------|--------|------|-----|--------|---------------------|------|--------|-------|---------------------|------|----------------|----------------|------------------------------------------|-----------|--------------------------------------------------|-------------------------------------|----------------|---------------------|-----------------|-----|----------------------|----------------------------|----------------|----------------------|--------------|------------------|-------------------------|-----------------------------|----------|------------------------|-----------|-----------------------------|-------------|------|
|                                        |                  |                  |              | WATER  | SOIL | AIR | SLUDGE | HCL (4 40ml VOA)    | HNO3 | NaHSO4 | H2SO4 | ICE (1-1Liter HDPE) | NONE |                |                |                                          |           |                                                  |                                     |                |                     |                 |     |                      |                            |                |                      |              |                  |                         |                             |          |                        |           |                             | DATE (2021) | TIME |
|                                        |                  |                  |              |        |      |     |        |                     |      |        |       |                     |      |                |                |                                          |           |                                                  |                                     |                |                     |                 |     |                      |                            |                |                      |              |                  |                         |                             |          |                        |           |                             |             |      |
| 1                                      | Monitor Well #2R | G                | 1            | X      |      |     |        |                     |      |        |       | 1                   | 9/21 | 14:10          |                |                                          |           |                                                  |                                     |                |                     |                 |     |                      |                            |                |                      |              |                  |                         |                             |          |                        | X         | X                           | X           |      |
| 2                                      | Monitor Well #3  | G                | 1            | X      |      |     |        |                     |      |        |       | 1                   | 9/21 | 10:00          |                |                                          |           |                                                  |                                     |                |                     |                 |     |                      |                            |                |                      |              |                  |                         |                             |          |                        | X         | X                           | X           |      |
| 3                                      | Monitor Well #4  | G                | 1            | X      |      |     |        |                     |      |        |       | 1                   | 9/21 | 11:50          |                |                                          |           |                                                  |                                     |                |                     |                 |     |                      |                            |                |                      |              |                  |                         |                             |          |                        | X         | X                           | X           |      |
| 4                                      | Monitor Well #5  | G                | 1            | X      |      |     |        |                     |      |        |       | 1                   | 9/21 | 13:45          |                |                                          |           |                                                  |                                     |                |                     |                 |     |                      |                            |                |                      |              |                  |                         |                             |          |                        | X         | X                           | X           |      |
|                                        |                  |                  |              |        |      |     |        |                     |      |        |       |                     |      |                |                |                                          |           |                                                  |                                     |                |                     |                 |     |                      |                            |                |                      |              |                  |                         |                             |          |                        |           |                             |             |      |
|                                        |                  |                  |              |        |      |     |        |                     |      |        |       |                     |      |                |                |                                          |           |                                                  |                                     |                |                     |                 |     |                      |                            |                |                      |              |                  |                         |                             |          |                        |           |                             |             |      |
|                                        |                  |                  |              |        |      |     |        |                     |      |        |       |                     |      |                |                |                                          |           |                                                  |                                     |                |                     |                 |     |                      |                            |                |                      |              |                  |                         |                             |          |                        |           |                             |             |      |
|                                        |                  |                  |              |        |      |     |        |                     |      |        |       |                     |      |                |                |                                          |           |                                                  |                                     |                |                     |                 |     |                      |                            |                |                      |              |                  |                         |                             |          |                        |           |                             |             |      |
|                                        |                  |                  |              |        |      |     |        |                     |      |        |       |                     |      |                |                |                                          |           |                                                  |                                     |                |                     |                 |     |                      |                            |                |                      |              |                  |                         |                             |          |                        |           |                             |             |      |
|                                        |                  |                  |              |        |      |     |        |                     |      |        |       |                     |      |                |                |                                          |           |                                                  |                                     |                |                     |                 |     |                      |                            |                |                      |              |                  |                         |                             |          |                        |           |                             |             |      |
|                                        |                  |                  |              |        |      |     |        |                     |      |        |       |                     |      |                |                |                                          |           |                                                  |                                     |                |                     |                 |     |                      |                            |                |                      |              |                  |                         |                             |          |                        |           |                             |             |      |
|                                        |                  |                  |              |        |      |     |        |                     |      |        |       |                     |      |                |                |                                          |           |                                                  |                                     |                |                     |                 |     |                      |                            |                |                      |              |                  |                         |                             |          |                        |           |                             |             |      |
|                                        |                  |                  |              |        |      |     |        |                     |      |        |       |                     |      |                |                |                                          |           |                                                  |                                     |                |                     |                 |     |                      |                            |                |                      |              |                  |                         |                             |          |                        |           |                             |             |      |
|                                        |                  |                  |              |        |      |     |        |                     |      |        |       |                     |      |                |                |                                          |           |                                                  |                                     |                |                     |                 |     |                      |                            |                |                      |              |                  |                         |                             |          |                        |           |                             |             |      |
|                                        |                  |                  |              |        |      |     |        |                     |      |        |       |                     |      |                |                |                                          |           |                                                  |                                     |                |                     |                 |     |                      |                            |                |                      |              |                  |                         |                             |          |                        |           |                             |             |      |
|                                        |                  |                  |              |        |      |     |        |                     |      |        |       |                     |      |                |                |                                          |           |                                                  |                                     |                |                     |                 |     |                      |                            |                |                      |              |                  |                         |                             |          |                        |           |                             |             |      |
|                                        |                  |                  |              |        |      |     |        |                     |      |        |       |                     |      |                |                |                                          |           |                                                  |                                     |                |                     |                 |     |                      |                            |                |                      |              |                  |                         |                             |          |                        |           |                             |             |      |
|                                        |                  |                  |              |        |      |     |        |                     |      |        |       |                     |      |                |                |                                          |           |                                                  |                                     |                |                     |                 |     |                      |                            |                |                      |              |                  |                         |                             |          |                        |           |                             |             |      |
|                                        |                  |                  |              |        |      |     |        |                     |      |        |       |                     |      |                |                |                                          |           |                                                  |                                     |                |                     |                 |     |                      |                            |                |                      |              |                  |                         |                             |          |                        |           |                             |             |      |
|                                        |                  |                  |              |        |      |     |        |                     |      |        |       |                     |      |                |                |                                          |           |                                                  |                                     |                |                     |                 |     |                      |                            |                |                      |              |                  |                         |                             |          |                        |           |                             |             |      |
|                                        |                  |                  |              |        |      |     |        |                     |      |        |       |                     |      |                |                |                                          |           |                                                  |                                     |                |                     |                 |     |                      |                            |                |                      |              |                  |                         |                             |          |                        |           |                             |             |      |
|                                        |                  |                  |              |        |      |     |        |                     |      |        |       |                     |      |                |                |                                          |           |                                                  |                                     |                |                     |                 |     |                      |                            |                |                      |              |                  |                         |                             |          |                        |           |                             |             |      |
|                                        |                  |                  |              |        |      |     |        |                     |      |        |       |                     |      |                |                |                                          |           |                                                  |                                     |                |                     |                 |     |                      |                            |                |                      |              |                  |                         |                             |          |                        |           |                             |             |      |
|                                        |                  |                  |              |        |      |     |        |                     |      |        |       |                     |      |                |                |                                          |           |                                                  |                                     |                |                     |                 |     |                      |                            |                |                      |              |                  |                         |                             |          |                        |           |                             |             |      |
|                                        |                  |                  |              |        |      |     |        |                     |      |        |       |                     |      |                |                |                                          |           |                                                  |                                     |                |                     |                 |     |                      |                            |                |                      |              |                  |                         |                             |          |                        |           |                             |             |      |
|                                        |                  |                  |              |        |      |     |        |                     |      |        |       |                     |      |                |                |                                          |           |                                                  |                                     |                |                     |                 |     |                      |                            |                |                      |              |                  |                         |                             |          |                        |           |                             |             |      |
|                                        |                  |                  |              |        |      |     |        |                     |      |        |       |                     |      |                |                |                                          |           |                                                  |                                     |                |                     |                 |     |                      |                            |                |                      |              |                  |                         |                             |          |                        |           |                             |             |      |
|                                        |                  |                  |              |        |      |     |        |                     |      |        |       |                     |      |                |                |                                          |           |                                                  |                                     |                |                     |                 |     |                      |                            |                |                      |              |                  |                         |                             |          |                        |           |                             |             |      |
|                                        |                  |                  |              |        |      |     |        |                     |      |        |       |                     |      |                |                |                                          |           |                                                  |                                     |                |                     |                 |     |                      |                            |                |                      |              |                  |                         |                             |          |                        |           |                             |             |      |
|                                        |                  |                  |              |        |      |     |        |                     |      |        |       |                     |      |                |                |                                          |           |                                                  |                                     |                |                     |                 |     |                      |                            |                |                      |              |                  |                         |                             |          |                        |           |                             |             |      |
|                                        |                  |                  |              |        |      |     |        |                     |      |        |       |                     |      |                |                |                                          |           |                                                  |                                     |                |                     |                 |     |                      |                            |                |                      |              |                  |                         |                             |          |                        |           |                             |             |      |

Relinquished by: *Rozanne Johnson* Date: **9/27/2021** Time: **14:25**  
Received by: *Rozanne Johnson* Date: **9/27/21** Time: **1425**

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](mailto:kjones@riceswd.com)  
[rozanne@sdacres.com](mailto:rozanne@sdacres.com)

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

Sample Condition  
Cool ☒ Intact ☒  
Yes ☒ No ☐  
CHECKED BY: *R.J.*



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

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December 08, 2021

KATIE JONES

Rice Operating Company

112 W. Taylor

Hobbs, NM 88240

RE: JUSTIS H-2 SWD

Enclosed are the results of analyses for samples received by the laboratory on 12/03/21 8:35.

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](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

Cardinal Laboratories is accredited 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,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

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

|                   |                               |                     |                |
|-------------------|-------------------------------|---------------------|----------------|
| Received:         | 12/03/2021                    | Sampling Date:      | 11/29/2021     |
| Reported:         | 12/08/2021                    | Sampling Type:      | Water          |
| Project Name:     | JUSTIS H-2 SWD                | Sampling Condition: | Cool & Intact  |
| Project Number:   | NOT GIVEN                     | Sample Received By: | Tamara Oldaker |
| Project Location: | T26S-R37E-SEC2 H-LEA CTY., NM |                     |                |

**Sample ID: MONITOR WELL #2 R (H213471-01)**

| Chloride, SM4500Cl-B |        | mg/L            |            | Analyzed By: AC |      |            |               |       |           |  |
|----------------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |  |
| Chloride*            | 2270   | 4.00            | 12/06/2021 | ND              | 100  | 100        | 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*             | 150    | 50.0            | 12/06/2021 | ND              | 23.6 | 118        | 20.0          | 0.636 |           |  |
| TDS 160.1            |        | mg/L            |            | Analyzed By: AC |      |            |               |       |           |  |
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |  |
| TDS*                 | 4230   | 5.00            | 12/07/2021 | ND              | 501  | 100        | 500           | 0.398 |           |  |

**Sample ID: MONITOR WELL #3 (H213471-02)**

| Chloride, SM4500Cl-B |        | mg/L            |            | Analyzed By: AC |      |            |               |       |           |  |
|----------------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |  |
| Chloride*            | 40.0   | 4.00            | 12/06/2021 | ND              | 100  | 100        | 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*             | 244    | 50.0            | 12/06/2021 | ND              | 23.6 | 118        | 20.0          | 0.636 |           |  |
| TDS 160.1            |        | mg/L            |            | Analyzed By: AC |      |            |               |       |           |  |
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |  |
| TDS*                 | 584    | 5.00            | 12/07/2021 | ND              | 501  | 100        | 500           | 0.398 |           |  |

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

|                   |                               |                     |                |
|-------------------|-------------------------------|---------------------|----------------|
| Received:         | 12/03/2021                    | Sampling Date:      | 11/29/2021     |
| Reported:         | 12/08/2021                    | Sampling Type:      | Water          |
| Project Name:     | JUSTIS H-2 SWD                | Sampling Condition: | Cool & Intact  |
| Project Number:   | NOT GIVEN                     | Sample Received By: | Tamara Oldaker |
| Project Location: | T26S-R37E-SEC2 H-LEA CTY., NM |                     |                |

**Sample ID: MONITOR WELL #4 (H213471-03)**

| Chloride, SM4500Cl-B |        | mg/L            |            | Analyzed By: AC |      |            |               |       |           |  |
|----------------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |  |
| Chloride*            | 44.0   | 4.00            | 12/06/2021 | ND              | 100  | 100        | 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*             | 211    | 50.0            | 12/06/2021 | ND              | 23.6 | 118        | 20.0          | 0.636 |           |  |
| TDS 160.1            |        | mg/L            |            | Analyzed By: AC |      |            |               |       |           |  |
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |  |
| TDS*                 | 605    | 5.00            | 12/07/2021 | ND              | 501  | 100        | 500           | 0.398 |           |  |

**Sample ID: MONITOR WELL #5 (H213471-04)**

| Chloride, SM4500Cl-B |        | mg/L            |            | Analyzed By: AC |      |            |               |       |           |  |
|----------------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |  |
| Chloride*            | 720    | 4.00            | 12/06/2021 | ND              | 100  | 100        | 100           | 4.08  |           |  |
| Sulfate 375.4        |        | mg/L            |            | Analyzed By: AC |      |            |               |       |           |  |
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |  |
| Sulfate*             | 191    | 50.0            | 12/06/2021 | ND              | 23.6 | 118        | 20.0          | 0.636 |           |  |
| TDS 160.1            |        | mg/L            |            | Analyzed By: AC |      |            |               |       |           |  |
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |  |
| TDS*                 | 1540   | 5.00            | 12/07/2021 | ND              | 501  | 100        | 500           | 0.398 |           |  |

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Celey D. Keene, Lab Director/Quality Manager



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### 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<br>Samples reported on an as received basis (wet) unless otherwise noted on report |

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Cardinal Laboratories

\*=Accredited Analyte

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

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Celey D. Keene, Lab Director/Quality Manager

# Cardinal Laboratories, Inc.

### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

LAB Order ID # \_\_\_\_\_

## ANALYSIS REQUEST

(Circle or Specify Method No.)

|                                                |  |                                                   |  |               |
|------------------------------------------------|--|---------------------------------------------------|--|---------------|
| Company Name:<br><b>RICE Operating Company</b> |  | BILL TO Company:<br><b>RICE Operating Company</b> |  | PO#           |
| Project Manager:<br><b>Katie Jones</b>         |  | Address:<br>(Street, City, Zip)                   |  |               |
| Address:<br>(Street, City, Zip)                |  | 122 W Taylor Street ~ Hobbs, New Mexico 88240     |  |               |
| 122 W Taylor Street ~ Hobbs, New Mexico 88240  |  | Phone#:                                           |  | Fax#:         |
| Phone #:                                       |  | (575) 393-9174                                    |  | (575)397-1471 |
| (575) 393-9174                                 |  | Fax #:<br>(575)397-1471                           |  |               |

Project #: Project Name:  
Justis H-2 SWD  
Project Location: T26S-R37E-Sec2 H ~ Lea County - New Mexico  
Sampler Signature: Rozanne Johnson (575) 631-9310

[illegible]

|                                        |                                             |                                               |                                                                                                                                                                                                                                                                            |                        |                                             |                                               |    |                                |                                |  |  |
|----------------------------------------|---------------------------------------------|-----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|---------------------------------------------|-----------------------------------------------|----|--------------------------------|--------------------------------|--|--|
| Relinquished by: <u>Ozanne Johnson</u> | Date: <u>12/3/2021</u>                      | Time: <u>7:25</u>                             | Received by: <u>James Johnson</u>                                                                                                                                                                                                                                          | Date: <u>12/3/2021</u> | Time: <u>7:26</u>                           |                                               |    |                                |                                |  |  |
| Relinquished by: <u>James Johnson</u>  | Date: <u>12/3/2021</u>                      | Time: <u>8:32 AM</u>                          | Received By: (Laboratory Staff) <u>Debra Eldaker</u>                                                                                                                                                                                                                       | Date: <u>12-3-21</u>   | Time: <u>0835</u>                           |                                               |    |                                |                                |  |  |
| Delivered By: (Circle One) <u>UPS</u>  |                                             |                                               | Sample Condition                                                                                                                                                                                                                                                           | CHECKED BY: <u>TO</u>  |                                             |                                               |    |                                |                                |  |  |
|                                        |                                             |                                               | <table border="1"> <tr> <td>Yes</td> <td>Cool<br/><input checked="" type="checkbox"/></td> <td>Intact<br/><input checked="" type="checkbox"/></td> </tr> <tr> <td>No</td> <td>No<br/><input type="checkbox"/></td> <td>No<br/><input type="checkbox"/></td> </tr> </table> | Yes                    | Cool<br><input checked="" type="checkbox"/> | Intact<br><input checked="" type="checkbox"/> | No | No<br><input type="checkbox"/> | No<br><input type="checkbox"/> |  |  |
| Yes                                    | Cool<br><input checked="" type="checkbox"/> | Intact<br><input checked="" type="checkbox"/> |                                                                                                                                                                                                                                                                            |                        |                                             |                                               |    |                                |                                |  |  |
| No                                     | No<br><input type="checkbox"/>              | No<br><input type="checkbox"/>                |                                                                                                                                                                                                                                                                            |                        |                                             |                                               |    |                                |                                |  |  |

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

REMARKS:

**Email Results:** [kjones@riceswd.com](mailto:kjones@riceswd.com)  
[rozanne@sdacres.com](mailto:rozanne@sdacres.com)

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**District I**

1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720

**District II**

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

**District III**

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

**District IV**

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

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

CONDITIONS

Action 90557

**CONDITIONS**

|                                                                        |                                                                          |
|------------------------------------------------------------------------|--------------------------------------------------------------------------|
| Operator:<br>RICE OPERATING COMPANY<br>122 W Taylor<br>Hobbs, NM 88240 | OGRID:<br>19174                                                          |
|                                                                        | Action Number:<br>90557                                                  |
|                                                                        | Action Type:<br>[UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT) |

**CONDITIONS**

| Created By | Condition                                                                                                                                                                             | Condition Date |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| nvelez     | Review of 2021 Annual Groundwater Report: Content satisfactory 1. Continue sampling on a semi-annual schedule at a minimum 2. Submit next annual report no later than March 31, 2023. | 12/16/2022     |