

Santa Fe Main Office  
Phone: (505) 476-3441  
General Information  
Phone: (505) 629-6116

State of New Mexico  
Energy, Minerals and Natural Resources

Form C-103  
Revised July 18, 2013

Online Phone Directory Visit:  
<https://www.emnrd.nm.gov/ocd/contact-us/>

OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

|   |  |   |
|---|--|---|
| <b>SUNDRY NOTICES AND REPORTS ON WELLS</b><br>(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)<br>1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> SWD |  | WELL API NO.<br>30-045-29936  |
| 2. Name of Operator<br>Hilcorp Energy Company   |  | 5. Indicate Type of Lease<br>STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/> |
| 3. Address of Operator<br>382 Road 3100, Aztec, NM 87410  |  | 6. State Oil & Gas Lease No.  |
| 4. Well Location<br>Unit Letter <u>B</u> : <u>1200'</u> feet from the <u>North</u> line and <u>2390'</u> feet from the <u>East</u> line<br>Section <u>22</u> Township <u>30N</u> Range <u>11W</u> NMPM County <u>San Juan</u>   |  | 7. Lease Name or Unit Agreement Name<br>Vasaly SWD  |
| 11. Elevation (Show whether DR, RKB, RT, GR, etc.)<br>5856'   |  | 8. Well Number <u>2</u>   |
| 9. OGRID Number<br>372171   |  | 10. Pool name or Wildcat<br>SWD; Morrison Bluff Entrada   |

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

|  |   |
|--|---|
| <b>NOTICE OF INTENTION TO:</b><br>PERFORM REMEDIAL WORK <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/><br>TEMPORARILY ABANDON <input type="checkbox"/> CHANGE PLANS <input type="checkbox"/><br>PULL OR ALTER CASING <input type="checkbox"/> MULTIPLE COMPL <input type="checkbox"/><br>DOWNHOLE COMMINGLE <input type="checkbox"/><br>CLOSED-LOOP SYSTEM <input type="checkbox"/><br>OTHER: <input checked="" type="checkbox"/> Add Water Source | <b>SUBSEQUENT REPORT OF:</b><br>REMEDIAL WORK <input type="checkbox"/> ALTERING CASING <input type="checkbox"/><br>COMMENCE DRILLING OPNS. <input type="checkbox"/> P AND A <input type="checkbox"/><br>CASING/CEMENT JOB <input type="checkbox"/><br>OTHER: <input type="checkbox"/> |
|--|---|

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Hilcorp Energy Company is requesting a Change in Source for the Vasaly SWD 2 (30-045-29936) to include flowback and produced water injection from the Mancos formation from the following wells:

Allison 601 Pad:


- Allison 601 Federal Com 601H; 30-045-38443 / • Allison 601 Federal Com 602H; 30-045-38444 / • Allison 601 Federal Com 603H; 30-045-38445
- Allison 601 Federal Com 604H; 30-045-38448 / • Allison 602 Federal Com 605H; 30-045-38449 / • Allison 602 Federal Com 606H; 30-045-38450
- Allison 701 Federal Com 607H; 30-045-38446 / • Allison 701 Federal Com 608H; 30-045-38447

Allison 611 Pad:

- Allison Unit 611H; 30-045-38326 / • Allison Unit 630H; 05-067-10060/30-045-38410 / • Allison Unit 631H; 05-067-10062/30-045-38411
- Allison Unit 632H; 05-067-10063/30-045-38453 / • Allison Unit 633H; 05-067-10061/30-045-38454 / • Allison Unit 614H; API TBD

Initial incremental injection rate into the SWD is roughly 1,500 bwpd starting July 2026. Analytical produced water results, representative of the new source are attached.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE  TITLE Operations/Regulatory Tech - Sr. DATE 10/10/2025

Type or print name Amanda Walker E-mail address: mwalker@hilcorp.com PHONE: 346-237-2177

**For State Use Only**

APPROVED BY: \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

Conditions of Approval (if any): \_\_\_\_\_



75 Suttle Street  
Durango, CO 81303  
970.247.4220 Phone  
jeremy.allen@greenanalytical.com

06 June 2025

Ashley Bates  
Hilcorp  
382 CR 3100  
Aztec, NM 87410  
RE: Burnt Mesa Pad

Enclosed are the results of analyses for samples received by the laboratory on 05/23/25 13:48. The data to follow was performed, in whole or in part, by Green Analytical Laboratories. Any data that was performed by a subcontract laboratory is included within the GAL report, or with an additional report attached.

If you need any further assistance, please feel free to contact me.

Sincerely,

A handwritten signature in blue ink, reading 'Jeremy D. Allen', is enclosed within a light blue rectangular border.

Report Station For Jeremy D Allen  
Laboratory Director

All accredited analytes contained in this report are denoted by an asterisk (\*). For a complete list of accredited analytes please do not hesitate to contact us via any of the contact information contained in this report. All of our certifications can be viewed at <http://greenanalytical.com/certifications/>

Green Analytical Laboratories is NELAP accredited through the Texas Commission on Environmental Quality. Accreditation applies to drinking water and non-potable water matrices for trace metals and a variety of inorganic parameters. Green Analytical Laboratories is also accredited through the Colorado Department of Public Health and Environment and EPA region 8 for trace metals, Cyanide, Fluoride, Nitrate, and Nitrite in drinking water. TNI Certificate Number: TX-C25-00079

Our affiliate laboratory, Cardinal Laboratories, is also NELAP accredited through the Texas Commission on Environmental Quality for a variety of organic constituents in drinking water, non-potable water and solid matrices. Cardinal is also accredited for regulated VOCs, TTHM, and HAA-5 in drinking water through the Colorado Department of Public Health and Environment and EPA region 8. TNI Certificate Number: TX-C25-00101

## Table of Contents

|   |    |
|---|----|
| Samples in Report                                     | 3  |
| Sample Results  | 4  |
| 2505388-01: Burnt Mesa Fed Com Unit 602H              | 4  |
| 2505388-02: San Juan 32-7 #603 Fed Com Unit 607H      | 5  |
| 2505388-03: Burnt Mesa Fed Com Unit 604H              | 6  |
| 2505388-04: San Juan 32-7 #602 Fed Com Unit 603H      | 7  |
| 2505388-05: San Juan 32-7 #603 Fed Com Unit 613H      | 8  |
| 2505388-06: San Juan 32-7 #603 Fed Com Unit 613H tank | 9  |
| 2505388-07: Abeyta 17-1                               | 10 |
| Quality Assurance Results                             | 11 |
| Notes and Definitions                                 | 17 |
| Qualifier Summary                                     | 18 |
| Chain of Custody & Attachments                        | 20 |



Hilcorp  
382 CR 3100  
Aztec NM, 87410

Project: Formation Comparison  
Project Name / Number: Burnt Mesa Pad  
Project Manager: Ashley Bates

**Reported:**  
06/06/25 10:13

### ANALYTICAL REPORT FOR SAMPLES

| Sample ID                                 | Laboratory ID | Matrix | Date Sampled   | Date Received  | Notes |
|---|---------------|--------|----------------|----------------|-------|
| Burnt Mesa Fed Com Unit 602H              | 2505388-01    | Water  | 05/22/25 10:00 | 05/23/25 13:48 |       |
| San Juan 32-7 #603 Fed Com Unit 607H      | 2505388-02    | Water  | 05/22/25 10:00 | 05/23/25 13:48 |       |
| Burnt Mesa Fed Com Unit 604H              | 2505388-03    | Water  | 05/22/25 10:00 | 05/23/25 13:48 |       |
| San Juan 32-7 #602 Fed Com Unit 603H      | 2505388-04    | Water  | 05/22/25 10:00 | 05/23/25 13:48 |       |
| San Juan 32-7 #603 Fed Com Unit 613H      | 2505388-05    | Water  | 05/22/25 10:00 | 05/23/25 13:48 |       |
| San Juan 32-7 #603 Fed Com Unit 613H tank | 2505388-06    | Water  | 05/22/25 10:00 | 05/23/25 13:48 |       |
| Abeyta 17-1                               | 2505388-07    | Water  | 05/22/25 13:00 | 05/23/25 13:48 |       |

Green Analytical Laboratories

A handwritten signature in blue ink that reads 'Jeremy D. Allen'.

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



Hilcorp  
382 CR 3100  
Aztec NM, 87410

Project: Formation Comparison  
Project Name / Number: Burnt Mesa Pad  
Project Manager: Ashley Bates

Reported:  
06/06/25 10:13

### Burnt Mesa Fed Com Unit 602H

2505388-01 (Produced Water)

Sampled Date: 05/22/25 10:00

Sampled By: Ashley Bates

| Analyte | Result | RL | MDL | Units | Dilution | Analyzed | Method | Notes | Analyst |
|---------|--------|----|-----|-------|----------|----------|--------|-------|---------|
|---------|--------|----|-----|-------|----------|----------|--------|-------|---------|

#### General Chemistry

|  |        |        |       |              |     |                |                    |    |     |
|--|--------|--------|-------|--------------|-----|----------------|--------------------|----|-----|
| Alkalinity, Total as CaCO <sub>3</sub> *       | 415    | 10.0   | 5.55  | mg/L         | 5   | 06/04/25 15:13 | 2320 B             |    | AES |
| Alkalinity, Hydroxide as CaCO <sub>3</sub> *   | <10.0  | 10.0   | 5.55  | mg/L         | 5   | 06/04/25 15:13 | 2320 B             |    | AES |
| Alkalinity, Carbonate as CaCO <sub>3</sub> *   | <10.0  | 10.0   | 5.55  | mg/L         | 5   | 06/04/25 15:13 | 2320 B             |    | AES |
| Alkalinity, Bicarbonate as CaCO <sub>3</sub> * | 415    | 10.0   | 5.55  | mg/L         | 5   | 06/04/25 15:13 | 2320 B             |    | AES |
| Chloride*                                      | 12500  | 200    | 99.4  | mg/L         | 200 | 06/04/25 03:45 | EPA 300.0          |    | AWG |
| Conductivity*                                  | 36700  | 1.00   |       | umho/cm@25 C | 1   | 05/29/25 16:53 | 2510 B             |    | HIC |
| pH*  | 6.45   |        |       | pH Units     | 1   | 05/29/25 16:18 | EPA 150.1/9040C    | H1 | HIC |
| pH Temperature, degrees C                      | 17.8   |        |       | pH Units     | 1   | 05/29/25 16:18 | EPA 150.1/9040C    | H1 | HIC |
| Phosphorus, Total                              | <0.250 | 0.250  | 0.108 | mg P/L       | 5   | 06/03/25 11:12 | EPA 365.1          |    | HIC |
| Phosphate (PO <sub>4</sub> )                   | <0.330 | 0.768  | 0.330 | mg/L         | 5   | 06/03/25 11:12 | EPA 365.1/Calc     |    | HIC |
| Resistivity                                    | 27.2   |        |       | ohm/cm       | 1   | 05/29/25 17:27 | 2510 B             |    | JDA |
| Specific Gravity                               | 1.017  | 0.8000 |       | No Unit      | 1   | 05/30/25 16:47 | ASTM D1429-03      |    | HIC |
| Sulfate*                                       | 17.6   | 20.0   | 11.3  | mg/L         | 20  | 06/04/25 14:02 | EPA 300.0          | J  | AWG |
| Total Dissolved Solids*                        | 23200  | 80.0   |       | mg/L         | 8   | 05/29/25 16:02 | EPA 160.1/SM 2540C |    | HIC |

#### Potentially Dissolved Metals by ICP

|                                |       |       |       |      |    |                |             |    |     |
|--------------------------------|-------|-------|-------|------|----|----------------|-------------|----|-----|
| Barium*                        | 24.1  | 0.400 | 0.157 | mg/L | 20 | 06/02/25 16:11 | EPA 200.7   |    | AWG |
| Calcium*                       | 492   | 2.00  | 1.45  | mg/L | 20 | 06/02/25 16:11 | EPA 200.7   |    | AWG |
| Hardness, as CaCO <sub>3</sub> | 1470  | 13.2  | 10.1  | mg/L | 20 | 06/02/25 16:11 | 2340 B      |    | AWG |
| Iron*                          | 140   | 1.00  | 0.692 | mg/L | 20 | 06/02/25 16:11 | EPA 200.7   |    | AWG |
| Lead*                          | <2.00 | 2.00  | 0.211 | mg/L | 20 | 06/02/25 16:11 | EPA 200.7   |    | AWG |
| Magnesium*                     | 57.6  | 2.00  | 1.59  | mg/L | 20 | 06/02/25 16:11 | EPA 200.7   | M5 | AWG |
| Manganese*                     | 1.14  | 0.400 | 0.084 | mg/L | 20 | 06/02/25 16:11 | EPA 200.7   |    | AWG |
| Potassium*                     | 35.6  | 20.0  | 3.62  | mg/L | 20 | 06/02/25 16:11 | EPA 200.7   |    | AWG |
| Silica (SiO <sub>2</sub> )     | 94.3  | 21.4  | 0.416 | mg/L | 20 | 06/02/25 16:11 | Calculation |    | AWG |
| Silicon                        | 44.1  | 10.0  | 0.195 | mg/L | 20 | 06/02/25 16:11 | EPA 200.7   |    | AWG |
| Sodium*                        | 7720  | 20.0  | 15.1  | mg/L | 20 | 06/02/25 16:11 | EPA 200.7   |    | AWG |
| Strontium*                     | 88.0  | 2.00  | 0.230 | mg/L | 20 | 06/02/25 16:11 | EPA 200.7   |    | AWG |
| Zinc*                          | <2.00 | 2.00  | 0.137 | mg/L | 20 | 06/02/25 16:11 | EPA 200.7   |    | AWG |

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



Hilcorp  
382 CR 3100  
Aztec NM, 87410

Project: Formation Comparison  
Project Name / Number: Burnt Mesa Pad  
Project Manager: Ashley Bates

Reported:  
06/06/25 10:13

### San Juan 32-7 #603 Fed Com Unit 607H

2505388-02 (Produced Water)

Sampled Date: 05/22/25 10:00

Sampled By: Ashley Bates

| Analyte | Result | RL | MDL | Units | Dilution | Analyzed | Method | Notes | Analyst |
|---------|--------|----|-----|-------|----------|----------|--------|-------|---------|
|---------|--------|----|-----|-------|----------|----------|--------|-------|---------|

#### General Chemistry

|  |        |        |       |              |     |                |                    |    |     |
|--|--------|--------|-------|--------------|-----|----------------|--------------------|----|-----|
| Alkalinity, Total as CaCO <sub>3</sub> *       | 425    | 10.0   | 5.55  | mg/L         | 5   | 06/04/25 15:13 | 2320 B             |    | AES |
| Alkalinity, Hydroxide as CaCO <sub>3</sub> *   | <10.0  | 10.0   | 5.55  | mg/L         | 5   | 06/04/25 15:13 | 2320 B             |    | AES |
| Alkalinity, Carbonate as CaCO <sub>3</sub> *   | <10.0  | 10.0   | 5.55  | mg/L         | 5   | 06/04/25 15:13 | 2320 B             |    | AES |
| Alkalinity, Bicarbonate as CaCO <sub>3</sub> * | 425    | 10.0   | 5.55  | mg/L         | 5   | 06/04/25 15:13 | 2320 B             |    | AES |
| Chloride*                                      | 12200  | 200    | 99.4  | mg/L         | 200 | 06/04/25 04:10 | EPA 300.0          |    | AWG |
| Conductivity*                                  | 35600  | 1.00   |       | umho/cm@25 C | 1   | 05/29/25 16:53 | 2510 B             |    | HIC |
| pH*  | 6.45   |        |       | pH Units     | 1   | 05/29/25 16:18 | EPA 150.1/9040C    | H1 | HIC |
| pH Temperature, degrees C                      | 17.2   |        |       | pH Units     | 1   | 05/29/25 16:18 | EPA 150.1/9040C    | H1 | HIC |
| Phosphorus, Total                              | <0.250 | 0.250  | 0.108 | mg P/L       | 5   | 06/03/25 11:12 | EPA 365.1          |    | HIC |
| Phosphate (PO <sub>4</sub> )                   | <0.330 | 0.768  | 0.330 | mg/L         | 5   | 06/03/25 11:12 | EPA 365.1/Calc     |    | HIC |
| Resistivity                                    | 28.1   |        |       | ohm/cm       | 1   | 05/29/25 17:27 | 2510 B             |    | JDA |
| Specific Gravity                               | 1.015  | 0.8000 |       | No Unit      | 1   | 05/30/25 16:47 | ASTM D1429-03      |    | HIC |
| Sulfate*                                       | 20.1   | 20.0   | 11.3  | mg/L         | 20  | 06/04/25 14:27 | EPA 300.0          |    | AWG |
| Total Dissolved Solids*                        | 23000  | 80.0   |       | mg/L         | 8   | 05/29/25 16:06 | EPA 160.1/SM 2540C |    | HIC |

#### Potentially Dissolved Metals by ICP

|                                |       |       |       |      |    |                |             |  |     |
|--------------------------------|-------|-------|-------|------|----|----------------|-------------|--|-----|
| Barium*                        | 22.2  | 0.400 | 0.157 | mg/L | 20 | 06/02/25 16:23 | EPA 200.7   |  | AWG |
| Calcium*                       | 458   | 2.00  | 1.45  | mg/L | 20 | 06/02/25 16:23 | EPA 200.7   |  | AWG |
| Hardness, as CaCO <sub>3</sub> | 1350  | 13.2  | 10.1  | mg/L | 20 | 06/02/25 16:23 | 2340 B      |  | AWG |
| Iron*                          | 143   | 1.00  | 0.692 | mg/L | 20 | 06/02/25 16:23 | EPA 200.7   |  | AWG |
| Lead*                          | <2.00 | 2.00  | 0.211 | mg/L | 20 | 06/02/25 16:23 | EPA 200.7   |  | AWG |
| Magnesium*                     | 50.8  | 2.00  | 1.59  | mg/L | 20 | 06/02/25 16:23 | EPA 200.7   |  | AWG |
| Manganese*                     | 1.81  | 0.400 | 0.084 | mg/L | 20 | 06/02/25 16:23 | EPA 200.7   |  | AWG |
| Potassium*                     | 39.3  | 20.0  | 3.62  | mg/L | 20 | 06/02/25 16:23 | EPA 200.7   |  | AWG |
| Silica (SiO <sub>2</sub> )     | 93.1  | 21.4  | 0.416 | mg/L | 20 | 06/02/25 16:23 | Calculation |  | AWG |
| Silicon                        | 43.5  | 10.0  | 0.195 | mg/L | 20 | 06/02/25 16:23 | EPA 200.7   |  | AWG |
| Sodium*                        | 7430  | 20.0  | 15.1  | mg/L | 20 | 06/02/25 16:23 | EPA 200.7   |  | AWG |
| Strontium*                     | 81.0  | 2.00  | 0.230 | mg/L | 20 | 06/02/25 16:23 | EPA 200.7   |  | AWG |
| Zinc*                          | <2.00 | 2.00  | 0.137 | mg/L | 20 | 06/02/25 16:23 | EPA 200.7   |  | AWG |

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



Hilcorp  
382 CR 3100  
Aztec NM, 87410

Project: Formation Comparison  
Project Name / Number: Burnt Mesa Pad  
Project Manager: Ashley Bates

**Reported:**  
06/06/25 10:13

### Burnt Mesa Fed Com Unit 604H

**2505388-03 (Produced Water)**

**Sampled Date: 05/22/25 10:00**

**Sampled By: Ashley Bates**

| Analyte | Result | RL | MDL | Units | Dilution | Analyzed | Method | Notes | Analyst |
|---------|--------|----|-----|-------|----------|----------|--------|-------|---------|
|---------|--------|----|-----|-------|----------|----------|--------|-------|---------|

#### General Chemistry

|  |        |        |       |              |     |                |                    |    |     |
|--|--------|--------|-------|--------------|-----|----------------|--------------------|----|-----|
| Alkalinity, Total as CaCO <sub>3</sub> *       | 375    | 10.0   | 5.55  | mg/L         | 5   | 06/04/25 15:13 | 2320 B             |    | AES |
| Alkalinity, Hydroxide as CaCO <sub>3</sub> *   | <10.0  | 10.0   | 5.55  | mg/L         | 5   | 06/04/25 15:13 | 2320 B             |    | AES |
| Alkalinity, Carbonate as CaCO <sub>3</sub> *   | <10.0  | 10.0   | 5.55  | mg/L         | 5   | 06/04/25 15:13 | 2320 B             |    | AES |
| Alkalinity, Bicarbonate as CaCO <sub>3</sub> * | 375    | 10.0   | 5.55  | mg/L         | 5   | 06/04/25 15:13 | 2320 B             |    | AES |
| Chloride*                                      | 14000  | 200    | 99.4  | mg/L         | 200 | 06/04/25 04:34 | EPA 300.0          |    | AWG |
| Conductivity*                                  | 37700  | 1.00   |       | umho/cm@25 C | 1   | 05/29/25 16:53 | 2510 B             |    | HIC |
| pH*  | 6.48   |        |       | pH Units     | 1   | 05/29/25 16:18 | EPA 150.1/9040C    | H1 | HIC |
| pH Temperature, degrees C                      | 18.8   |        |       | pH Units     | 1   | 05/29/25 16:18 | EPA 150.1/9040C    | H1 | HIC |
| Phosphorus, Total                              | <0.250 | 0.250  | 0.108 | mg P/L       | 5   | 06/03/25 11:13 | EPA 365.1          |    | HIC |
| Phosphate (PO <sub>4</sub> )                   | <0.330 | 0.768  | 0.330 | mg/L         | 5   | 06/03/25 11:13 | EPA 365.1/Calc     |    | HIC |
| Resistivity                                    | 26.5   |        |       | ohm/cm       | 1   | 05/29/25 17:27 | 2510 B             |    | JDA |
| Specific Gravity                               | 1.016  | 0.8000 |       | No Unit      | 1   | 05/30/25 16:47 | ASTM D1429-03      |    | HIC |
| Sulfate*                                       | 17.4   | 20.0   | 11.3  | mg/L         | 20  | 06/04/25 14:51 | EPA 300.0          | J  | AWG |
| Total Dissolved Solids*                        | 24100  | 80.0   |       | mg/L         | 8   | 05/29/25 16:08 | EPA 160.1/SM 2540C |    | HIC |

#### Potentially Dissolved Metals by ICP

|                                |       |       |       |      |    |                |             |  |     |
|--------------------------------|-------|-------|-------|------|----|----------------|-------------|--|-----|
| Barium*                        | 25.3  | 0.400 | 0.157 | mg/L | 20 | 06/02/25 16:27 | EPA 200.7   |  | AWG |
| Calcium*                       | 524   | 2.00  | 1.45  | mg/L | 20 | 06/02/25 16:27 | EPA 200.7   |  | AWG |
| Hardness, as CaCO <sub>3</sub> | 1550  | 13.2  | 10.1  | mg/L | 20 | 06/02/25 16:27 | 2340 B      |  | AWG |
| Iron*                          | 97.2  | 1.00  | 0.692 | mg/L | 20 | 06/02/25 16:27 | EPA 200.7   |  | AWG |
| Lead*                          | <2.00 | 2.00  | 0.211 | mg/L | 20 | 06/02/25 16:27 | EPA 200.7   |  | AWG |
| Magnesium*                     | 57.8  | 2.00  | 1.59  | mg/L | 20 | 06/02/25 16:27 | EPA 200.7   |  | AWG |
| Manganese*                     | 1.22  | 0.400 | 0.084 | mg/L | 20 | 06/02/25 16:27 | EPA 200.7   |  | AWG |
| Potassium*                     | 37.7  | 20.0  | 3.62  | mg/L | 20 | 06/02/25 16:27 | EPA 200.7   |  | AWG |
| Silica (SiO <sub>2</sub> )     | 90.1  | 21.4  | 0.416 | mg/L | 20 | 06/02/25 16:27 | Calculation |  | AWG |
| Silicon                        | 42.1  | 10.0  | 0.195 | mg/L | 20 | 06/02/25 16:27 | EPA 200.7   |  | AWG |
| Sodium*                        | 7760  | 20.0  | 15.1  | mg/L | 20 | 06/02/25 16:27 | EPA 200.7   |  | AWG |
| Strontium*                     | 91.6  | 2.00  | 0.230 | mg/L | 20 | 06/02/25 16:27 | EPA 200.7   |  | AWG |
| Zinc*                          | <2.00 | 2.00  | 0.137 | mg/L | 20 | 06/02/25 16:27 | EPA 200.7   |  | AWG |

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



Hilcorp  
382 CR 3100  
Aztec NM, 87410

Project: Formation Comparison  
Project Name / Number: Burnt Mesa Pad  
Project Manager: Ashley Bates

**Reported:**  
06/06/25 10:13

### San Juan 32-7 #602 Fed Com Unit 603H

**2505388-04 (Produced Water)**

**Sampled Date: 05/22/25 10:00**

**Sampled By: Ashley Bates**

| Analyte | Result | RL | MDL | Units | Dilution | Analyzed | Method | Notes | Analyst |
|---------|--------|----|-----|-------|----------|----------|--------|-------|---------|
|---------|--------|----|-----|-------|----------|----------|--------|-------|---------|

#### General Chemistry

|  |        |        |       |              |     |                |                    |    |     |
|--|--------|--------|-------|--------------|-----|----------------|--------------------|----|-----|
| Alkalinity, Total as CaCO <sub>3</sub> *       | 335    | 10.0   | 5.55  | mg/L         | 5   | 06/04/25 15:13 | 2320 B             |    | AES |
| Alkalinity, Hydroxide as CaCO <sub>3</sub> *   | <10.0  | 10.0   | 5.55  | mg/L         | 5   | 06/04/25 15:13 | 2320 B             |    | AES |
| Alkalinity, Carbonate as CaCO <sub>3</sub> *   | <10.0  | 10.0   | 5.55  | mg/L         | 5   | 06/04/25 15:13 | 2320 B             |    | AES |
| Alkalinity, Bicarbonate as CaCO <sub>3</sub> * | 335    | 10.0   | 5.55  | mg/L         | 5   | 06/04/25 15:13 | 2320 B             |    | AES |
| Chloride*                                      | 13400  | 200    | 99.4  | mg/L         | 200 | 06/04/25 04:59 | EPA 300.0          |    | AWG |
| Conductivity*                                  | 36300  | 1.00   |       | umho/cm@25 C | 1   | 05/29/25 16:53 | 2510 B             |    | HIC |
| pH*  | 6.43   |        |       | pH Units     | 1   | 05/29/25 16:18 | EPA 150.1/9040C    | H1 | HIC |
| pH Temperature, degrees C                      | 17.5   |        |       | pH Units     | 1   | 05/29/25 16:18 | EPA 150.1/9040C    | H1 | HIC |
| Phosphorus, Total                              | <0.250 | 0.250  | 0.108 | mg P/L       | 5   | 06/03/25 11:14 | EPA 365.1          |    | HIC |
| Phosphate (PO <sub>4</sub> )                   | <0.330 | 0.768  | 0.330 | mg/L         | 5   | 06/03/25 11:14 | EPA 365.1/Calc     |    | HIC |
| Resistivity                                    | 27.5   |        |       | ohm/cm       | 1   | 05/29/25 17:27 | 2510 B             |    | JDA |
| Specific Gravity                               | 1.015  | 0.8000 |       | No Unit      | 1   | 05/30/25 16:47 | ASTM D1429-03      |    | HIC |
| Sulfate*                                       | 16.3   | 20.0   | 11.3  | mg/L         | 20  | 06/04/25 15:15 | EPA 300.0          | J  | AWG |
| Total Dissolved Solids*                        | 22600  | 80.0   |       | mg/L         | 8   | 05/29/25 16:10 | EPA 160.1/SM 2540C |    | HIC |

#### Potentially Dissolved Metals by ICP

|                                |       |       |       |      |    |                |             |  |     |
|--------------------------------|-------|-------|-------|------|----|----------------|-------------|--|-----|
| Barium*                        | 25.6  | 0.400 | 0.157 | mg/L | 20 | 06/02/25 16:31 | EPA 200.7   |  | AWG |
| Calcium*                       | 531   | 2.00  | 1.45  | mg/L | 20 | 06/02/25 16:30 | EPA 200.7   |  | AWG |
| Hardness, as CaCO <sub>3</sub> | 1570  | 13.2  | 10.1  | mg/L | 20 | 06/02/25 16:31 | 2340 B      |  | AWG |
| Iron*                          | 241   | 1.00  | 0.692 | mg/L | 20 | 06/02/25 16:31 | EPA 200.7   |  | AWG |
| Lead*                          | <2.00 | 2.00  | 0.211 | mg/L | 20 | 06/02/25 16:31 | EPA 200.7   |  | AWG |
| Magnesium*                     | 58.4  | 2.00  | 1.59  | mg/L | 20 | 06/02/25 16:31 | EPA 200.7   |  | AWG |
| Manganese*                     | 2.57  | 0.400 | 0.084 | mg/L | 20 | 06/02/25 16:31 | EPA 200.7   |  | AWG |
| Potassium*                     | 37.9  | 20.0  | 3.62  | mg/L | 20 | 06/02/25 16:31 | EPA 200.7   |  | AWG |
| Silica (SiO <sub>2</sub> )     | 83.3  | 21.4  | 0.416 | mg/L | 20 | 06/02/25 16:31 | Calculation |  | AWG |
| Silicon                        | 39.0  | 10.0  | 0.195 | mg/L | 20 | 06/02/25 16:31 | EPA 200.7   |  | AWG |
| Sodium*                        | 7600  | 20.0  | 15.1  | mg/L | 20 | 06/02/25 16:30 | EPA 200.7   |  | AWG |
| Strontium*                     | 90.0  | 2.00  | 0.230 | mg/L | 20 | 06/02/25 16:30 | EPA 200.7   |  | AWG |
| Zinc*                          | <2.00 | 2.00  | 0.137 | mg/L | 20 | 06/02/25 16:31 | EPA 200.7   |  | AWG |

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.





Hilcorp  
382 CR 3100  
Aztec NM, 87410

Project: Formation Comparison  
Project Name / Number: Burnt Mesa Pad  
Project Manager: Ashley Bates

Reported:  
06/06/25 10:13

### San Juan 32-7 #603 Fed Com Unit 613H

2505388-05 (Produced Water)

Sampled Date: 05/22/25 10:00

Sampled By: Ashley Bates

| Analyte | Result | RL | MDL | Units | Dilution | Analyzed | Method | Notes | Analyst |
|---------|--------|----|-----|-------|----------|----------|--------|-------|---------|
|---------|--------|----|-----|-------|----------|----------|--------|-------|---------|

#### General Chemistry

|  |        |        |       |              |     |                |                    |    |     |
|--|--------|--------|-------|--------------|-----|----------------|--------------------|----|-----|
| Alkalinity, Total as CaCO <sub>3</sub> *       | 405    | 10.0   | 5.55  | mg/L         | 5   | 06/04/25 15:13 | 2320 B             |    | AES |
| Alkalinity, Hydroxide as CaCO <sub>3</sub> *   | <10.0  | 10.0   | 5.55  | mg/L         | 5   | 06/04/25 15:13 | 2320 B             |    | AES |
| Alkalinity, Carbonate as CaCO <sub>3</sub> *   | <10.0  | 10.0   | 5.55  | mg/L         | 5   | 06/04/25 15:13 | 2320 B             |    | AES |
| Alkalinity, Bicarbonate as CaCO <sub>3</sub> * | 405    | 10.0   | 5.55  | mg/L         | 5   | 06/04/25 15:13 | 2320 B             |    | AES |
| Chloride*                                      | 13400  | 200    | 99.4  | mg/L         | 200 | 06/04/25 05:23 | EPA 300.0          |    | AWG |
| Conductivity*                                  | 38200  | 1.00   |       | umho/cm@25 C | 1   | 05/29/25 16:53 | 2510 B             |    | HIC |
| pH*  | 6.55   |        |       | pH Units     | 1   | 05/29/25 16:18 | EPA 150.1/9040C    | H1 | HIC |
| pH Temperature, degrees C                      | 17.9   |        |       | pH Units     | 1   | 05/29/25 16:18 | EPA 150.1/9040C    | H1 | HIC |
| Phosphorus, Total                              | <0.250 | 0.250  | 0.108 | mg P/L       | 5   | 06/03/25 11:14 | EPA 365.1          |    | HIC |
| Phosphate (PO <sub>4</sub> )                   | <0.330 | 0.768  | 0.330 | mg/L         | 5   | 06/03/25 11:14 | EPA 365.1/Calc     |    | HIC |
| Resistivity                                    | 26.2   |        |       | ohm/cm       | 1   | 05/29/25 17:27 | 2510 B             |    | JDA |
| Specific Gravity                               | 1.015  | 0.8000 |       | No Unit      | 1   | 05/30/25 16:47 | ASTM D1429-03      |    | HIC |
| Sulfate*                                       | 15.0   | 20.0   | 11.3  | mg/L         | 20  | 06/04/25 15:40 | EPA 300.0          | J  | AWG |
| Total Dissolved Solids*                        | 23000  | 80.0   |       | mg/L         | 8   | 05/29/25 16:12 | EPA 160.1/SM 2540C |    | HIC |

#### Potentially Dissolved Metals by ICP

|                                |       |       |       |      |    |                |             |  |     |
|--------------------------------|-------|-------|-------|------|----|----------------|-------------|--|-----|
| Barium*                        | 24.9  | 0.400 | 0.157 | mg/L | 20 | 06/02/25 16:35 | EPA 200.7   |  | AWG |
| Calcium*                       | 509   | 2.00  | 1.45  | mg/L | 20 | 06/02/25 16:34 | EPA 200.7   |  | AWG |
| Hardness, as CaCO <sub>3</sub> | 1510  | 13.2  | 10.1  | mg/L | 20 | 06/02/25 16:34 | 2340 B      |  | AWG |
| Iron*                          | 98.3  | 1.00  | 0.692 | mg/L | 20 | 06/02/25 16:34 | EPA 200.7   |  | AWG |
| Lead*                          | <2.00 | 2.00  | 0.211 | mg/L | 20 | 06/02/25 16:35 | EPA 200.7   |  | AWG |
| Magnesium*                     | 57.1  | 2.00  | 1.59  | mg/L | 20 | 06/02/25 16:34 | EPA 200.7   |  | AWG |
| Manganese*                     | 1.04  | 0.400 | 0.084 | mg/L | 20 | 06/02/25 16:34 | EPA 200.7   |  | AWG |
| Potassium*                     | 37.1  | 20.0  | 3.62  | mg/L | 20 | 06/02/25 16:34 | EPA 200.7   |  | AWG |
| Silica (SiO <sub>2</sub> )     | 90.4  | 21.4  | 0.416 | mg/L | 20 | 06/02/25 16:34 | Calculation |  | AWG |
| Silicon                        | 42.3  | 10.0  | 0.195 | mg/L | 20 | 06/02/25 16:34 | EPA 200.7   |  | AWG |
| Sodium*                        | 7600  | 20.0  | 15.1  | mg/L | 20 | 06/02/25 16:34 | EPA 200.7   |  | AWG |
| Strontium*                     | 88.5  | 2.00  | 0.230 | mg/L | 20 | 06/02/25 16:34 | EPA 200.7   |  | AWG |
| Zinc*                          | <2.00 | 2.00  | 0.137 | mg/L | 20 | 06/02/25 16:35 | EPA 200.7   |  | AWG |

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



Hilcorp  
382 CR 3100  
Aztec NM, 87410

Project: Formation Comparison  
Project Name / Number: Burnt Mesa Pad  
Project Manager: Ashley Bates

Reported:  
06/06/25 10:13

### San Juan 32-7 #603 Fed Com Unit 613H tank

2505388-06 (Produced Water)

Sampled Date: 05/22/25 10:00

Sampled By: Ashley Bates

| Analyte | Result | RL | MDL | Units | Dilution | Analyzed | Method | Notes | Analyst |
|---------|--------|----|-----|-------|----------|----------|--------|-------|---------|
|---------|--------|----|-----|-------|----------|----------|--------|-------|---------|

#### General Chemistry

|  |        |        |       |              |     |                |                    |    |     |
|--|--------|--------|-------|--------------|-----|----------------|--------------------|----|-----|
| Alkalinity, Total as CaCO <sub>3</sub> *       | 390    | 10.0   | 5.55  | mg/L         | 5   | 06/04/25 15:13 | 2320 B             |    | AES |
| Alkalinity, Hydroxide as CaCO <sub>3</sub> *   | <10.0  | 10.0   | 5.55  | mg/L         | 5   | 06/04/25 15:13 | 2320 B             |    | AES |
| Alkalinity, Carbonate as CaCO <sub>3</sub> *   | <10.0  | 10.0   | 5.55  | mg/L         | 5   | 06/04/25 15:13 | 2320 B             |    | AES |
| Alkalinity, Bicarbonate as CaCO <sub>3</sub> * | 390    | 10.0   | 5.55  | mg/L         | 5   | 06/04/25 15:13 | 2320 B             |    | AES |
| Chloride*                                      | 13800  | 200    | 99.4  | mg/L         | 200 | 06/04/25 05:48 | EPA 300.0          |    | AWG |
| Conductivity*                                  | 35500  | 1.00   |       | umho/cm@25 C | 1   | 05/29/25 16:53 | 2510 B             |    | HIC |
| pH*  | 6.44   |        |       | pH Units     | 1   | 05/29/25 16:18 | EPA 150.1/9040C    | H1 | HIC |
| pH Temperature, degrees C                      | 18.3   |        |       | pH Units     | 1   | 05/29/25 16:18 | EPA 150.1/9040C    | H1 | HIC |
| Phosphorus, Total                              | <0.250 | 0.250  | 0.108 | mg P/L       | 5   | 06/03/25 11:17 | EPA 365.1          |    | HIC |
| Phosphate (PO <sub>4</sub> )                   | <0.330 | 0.768  | 0.330 | mg/L         | 5   | 06/03/25 11:17 | EPA 365.1/Calc     |    | HIC |
| Resistivity                                    | 28.2   |        |       | ohm/cm       | 1   | 05/29/25 17:27 | 2510 B             |    | JDA |
| Specific Gravity                               | 1.014  | 0.8000 |       | No Unit      | 1   | 05/30/25 16:47 | ASTM D1429-03      |    | HIC |
| Sulfate*                                       | 15.1   | 20.0   | 11.3  | mg/L         | 20  | 06/04/25 16:04 | EPA 300.0          | J  | AWG |
| Total Dissolved Solids*                        | 22300  | 80.0   |       | mg/L         | 8   | 05/29/25 16:14 | EPA 160.1/SM 2540C |    | HIC |

#### Potentially Dissolved Metals by ICP

|                                |       |       |       |      |    |                |             |  |     |
|--------------------------------|-------|-------|-------|------|----|----------------|-------------|--|-----|
| Barium*                        | 22.8  | 0.400 | 0.157 | mg/L | 20 | 06/02/25 16:39 | EPA 200.7   |  | AWG |
| Calcium*                       | 473   | 2.00  | 1.45  | mg/L | 20 | 06/02/25 16:38 | EPA 200.7   |  | AWG |
| Hardness, as CaCO <sub>3</sub> | 1400  | 13.2  | 10.1  | mg/L | 20 | 06/02/25 16:38 | 2340 B      |  | AWG |
| Iron*                          | 96.3  | 1.00  | 0.692 | mg/L | 20 | 06/02/25 16:38 | EPA 200.7   |  | AWG |
| Lead*                          | <2.00 | 2.00  | 0.211 | mg/L | 20 | 06/02/25 16:39 | EPA 200.7   |  | AWG |
| Magnesium*                     | 53.8  | 2.00  | 1.59  | mg/L | 20 | 06/02/25 16:38 | EPA 200.7   |  | AWG |
| Manganese*                     | 0.934 | 0.400 | 0.084 | mg/L | 20 | 06/02/25 16:38 | EPA 200.7   |  | AWG |
| Potassium*                     | 36.4  | 20.0  | 3.62  | mg/L | 20 | 06/02/25 16:38 | EPA 200.7   |  | AWG |
| Silica (SiO <sub>2</sub> )     | 84.2  | 21.4  | 0.416 | mg/L | 20 | 06/02/25 16:38 | Calculation |  | AWG |
| Silicon                        | 39.4  | 10.0  | 0.195 | mg/L | 20 | 06/02/25 16:38 | EPA 200.7   |  | AWG |
| Sodium*                        | 7390  | 20.0  | 15.1  | mg/L | 20 | 06/02/25 16:38 | EPA 200.7   |  | AWG |
| Strontium*                     | 83.9  | 2.00  | 0.230 | mg/L | 20 | 06/02/25 16:38 | EPA 200.7   |  | AWG |
| Zinc*                          | <2.00 | 2.00  | 0.137 | mg/L | 20 | 06/02/25 16:39 | EPA 200.7   |  | AWG |

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



Hilcorp  
382 CR 3100  
Aztec NM, 87410

Project: Formation Comparison  
Project Name / Number: Burnt Mesa Pad  
Project Manager: Ashley Bates

**Reported:**  
06/06/25 10:13

### Abeyta 17-1

**2505388-07 (Produced Water)**

**Sampled Date: 05/22/25 13:00**

**Sampled By: Ashley Bates**

| Analyte | Result | RL | MDL | Units | Dilution | Analyzed | Method | Notes | Analyst |
|---------|--------|----|-----|-------|----------|----------|--------|-------|---------|
|---------|--------|----|-----|-------|----------|----------|--------|-------|---------|

#### General Chemistry

|  |       |      |      |      |     |                |                       |  |     |
|--|-------|------|------|------|-----|----------------|-----------------------|--|-----|
| Alkalinity, Total as CaCO <sub>3</sub> *       | 635   | 10.0 | 5.55 | mg/L | 5   | 06/04/25 15:13 | 2320 B                |  | AES |
| Alkalinity, Hydroxide as CaCO <sub>3</sub> *   | <10.0 | 10.0 | 5.55 | mg/L | 5   | 06/04/25 15:13 | 2320 B                |  | AES |
| Alkalinity, Carbonate as CaCO <sub>3</sub> *   | <10.0 | 10.0 | 5.55 | mg/L | 5   | 06/04/25 15:13 | 2320 B                |  | AES |
| Alkalinity, Bicarbonate as CaCO <sub>3</sub> * | 635   | 10.0 | 5.55 | mg/L | 5   | 06/04/25 15:13 | 2320 B                |  | AES |
| Chloride*                                      | 15400 | 200  | 99.4 | mg/L | 200 | 06/04/25 06:12 | EPA 300.0             |  | AWG |
| Sulfate*                                       | <11.3 | 20.0 | 11.3 | mg/L | 20  | 06/04/25 17:18 | EPA 300.0             |  | AWG |
| Total Dissolved Solids*                        | 26600 | 80.0 |      | mg/L | 8   | 05/29/25 16:16 | EPA 160.1/SM<br>2540C |  | HIC |

#### Potentially Dissolved Metals by ICP

|            |      |      |       |      |    |                |           |  |     |
|------------|------|------|-------|------|----|----------------|-----------|--|-----|
| Calcium*   | 145  | 2.00 | 1.45  | mg/L | 20 | 06/02/25 16:42 | EPA 200.7 |  | AWG |
| Iron*      | 236  | 1.00 | 0.692 | mg/L | 20 | 06/02/25 16:42 | EPA 200.7 |  | AWG |
| Magnesium* | 38.8 | 2.00 | 1.59  | mg/L | 20 | 06/02/25 16:42 | EPA 200.7 |  | AWG |
| Sodium*    | 9370 | 20.0 | 15.1  | mg/L | 20 | 06/02/25 16:42 | EPA 200.7 |  | AWG |

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



Hilcorp  
382 CR 3100  
Aztec NM, 87410

Project: Formation Comparison  
Project Name / Number: Burnt Mesa Pad  
Project Manager: Ashley Bates

**Reported:**  
06/06/25 10:13

### General Chemistry - Quality Control

| Analyte  | Result | Reporting Limit | Units    | Spike Level  | Source Result | %REC | %REC Limits | RPD    | RPD Limit | Notes |
|--|--------|-----------------|----------|--|---------------|------|-------------|--------|-----------|-------|
| <b>Batch B251452 - Lachat</b>                  |        |                 |          |  |               |      |             |        |           |       |
| <b>Blank (B251452-BLK1)</b>                    |        |                 |          | Prepared: 05/29/25 Analyzed: 06/03/25                    |               |      |             |        |           |       |
| Phosphorus, Total                              | ND     | 0.0500          | mg P/L   |  |               |      |             |        |           |       |
| <b>LCS (B251452-BS1)</b>                       |        |                 |          | Prepared: 05/29/25 Analyzed: 06/03/25                    |               |      |             |        |           |       |
| Phosphorus, Total                              | 2.69   | 0.0500          | mg P/L   | 2.50   |               | 108  | 90-110      |        |           |       |
| <b>LCS Dup (B251452-BSD1)</b>                  |        |                 |          | Prepared: 05/29/25 Analyzed: 06/03/25                    |               |      |             |        |           |       |
| Phosphorus, Total                              | 2.62   | 0.0500          | mg P/L   | 2.50   |               | 105  | 90-110      | 2.60   | 20        |       |
| <b>Matrix Spike (B251452-MS1)</b>              |        |                 |          | Source: 2505370-15 Prepared: 05/29/25 Analyzed: 06/03/25 |               |      |             |        |           |       |
| Phosphorus, Total                              | 2.70   | 0.0500          | mg P/L   | 2.50   | 0.0301        | 107  | 90-110      |        |           |       |
| <b>Matrix Spike (B251452-MS2)</b>              |        |                 |          | Source: 2505370-16 Prepared: 05/29/25 Analyzed: 06/03/25 |               |      |             |        |           |       |
| Phosphorus, Total                              | 2.64   | 0.0500          | mg P/L   | 2.50   | 0.0299        | 104  | 90-110      |        |           |       |
| <b>Matrix Spike Dup (B251452-MSD1)</b>         |        |                 |          | Source: 2505370-15 Prepared: 05/29/25 Analyzed: 06/03/25 |               |      |             |        |           |       |
| Phosphorus, Total                              | 2.70   | 0.0500          | mg P/L   | 2.50   | 0.0301        | 107  | 90-110      | 0.0370 | 20        |       |
| <b>Matrix Spike Dup (B251452-MSD2)</b>         |        |                 |          | Source: 2505370-16 Prepared: 05/29/25 Analyzed: 06/03/25 |               |      |             |        |           |       |
| Phosphorus, Total                              | 2.62   | 0.0500          | mg P/L   | 2.50   | 0.0299        | 103  | 90-110      | 0.724  | 20        |       |
| <b>Batch B251459 - General Prep - Wet Chem</b> |        |                 |          |  |               |      |             |        |           |       |
| <b>Blank (B251459-BLK1)</b>                    |        |                 |          | Prepared & Analyzed: 05/29/25                            |               |      |             |        |           |       |
| Total Dissolved Solids                         | ND     | 10.0            | mg/L     |  |               |      |             |        |           |       |
| <b>Duplicate (B251459-DUP1)</b>                |        |                 |          | Source: 2505388-01 Prepared & Analyzed: 05/29/25         |               |      |             |        |           |       |
| Total Dissolved Solids                         | 23100  | 80.0            | mg/L     |  | 23200         |      |             | 0.521  | 20        |       |
| <b>Reference (B251459-SRM1)</b>                |        |                 |          | Prepared & Analyzed: 05/29/25                            |               |      |             |        |           |       |
| Total Dissolved Solids                         | 365    | 10.0            | mg/L     | 400  |               | 91.2 | 85-115      |        |           |       |
| <b>Batch B251468 - General Prep - Wet Chem</b> |        |                 |          |  |               |      |             |        |           |       |
| <b>Duplicate (B251468-DUP1)</b>                |        |                 |          | Source: 2505388-01 Prepared & Analyzed: 05/30/25         |               |      |             |        |           |       |
| Specific Gravity                               | 1.017  | 0.8000          | No Unit  |  | 1.017         |      |             | 0.00   | 20        |       |
| <b>Batch B251494 - General Prep - Wet Chem</b> |        |                 |          |  |               |      |             |        |           |       |
| <b>Duplicate (B251494-DUP1)</b>                |        |                 |          | Source: 2505396-01 Prepared & Analyzed: 05/29/25         |               |      |             |        |           |       |
| pH   | 7.32   |                 | pH Units |  | 7.27          |      |             | 0.685  | 20        |       |
| pH Temperature, degrees C                      | 19.2   |                 | pH Units |  | 19.0          |      |             | 1.05   | 200       |       |

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



Hilcorp  
382 CR 3100  
Aztec NM, 87410

Project: Formation Comparison  
Project Name / Number: Burnt Mesa Pad  
Project Manager: Ashley Bates

**Reported:**  
06/06/25 10:13

### General Chemistry - Quality Control (Continued)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

#### Batch B251494 - General Prep - Wet Chem (Continued)

|                                 |      |                           |          |                               |      |  |  |       |     |  |
|---------------------------------|------|---------------------------|----------|-------------------------------|------|--|--|-------|-----|--|
| <b>Duplicate (B251494-DUP2)</b> |      | <b>Source: 2505388-03</b> |          | Prepared & Analyzed: 05/29/25 |      |  |  |       |     |  |
| pH                              | 6.51 |                           | pH Units |                               | 6.48 |  |  | 0.462 | 20  |  |
| pH Temperature, degrees C       | 18.7 |                           | pH Units |                               | 18.8 |  |  | 0.533 | 200 |  |

|                                 |      |                               |          |      |  |      |              |  |  |  |
|---------------------------------|------|-------------------------------|----------|------|--|------|--------------|--|--|--|
| <b>Reference (B251494-SRM1)</b> |      | Prepared & Analyzed: 05/29/25 |          |      |  |      |              |  |  |  |
| pH                              | 6.93 |                               | pH Units | 7.00 |  | 99.0 | 98.57-101.42 |  |  |  |

#### Batch B251505 - IC- Ion Chromatograph

|                             |    |                               |      |  |  |  |  |  |  |  |
|-----------------------------|----|-------------------------------|------|--|--|--|--|--|--|--|
| <b>Blank (B251505-BLK1)</b> |    | Prepared & Analyzed: 06/03/25 |      |  |  |  |  |  |  |  |
| Chloride                    | ND | 1.00                          | mg/L |  |  |  |  |  |  |  |
| Sulfate                     | ND | 1.00                          | mg/L |  |  |  |  |  |  |  |

|                          |      |                               |      |      |  |     |        |  |  |  |
|--------------------------|------|-------------------------------|------|------|--|-----|--------|--|--|--|
| <b>LCS (B251505-BS1)</b> |      | Prepared & Analyzed: 06/03/25 |      |      |  |     |        |  |  |  |
| Chloride                 | 25.8 | 1.00                          | mg/L | 25.0 |  | 103 | 90-110 |  |  |  |
| Sulfate                  | 26.0 | 1.00                          | mg/L | 25.0 |  | 104 | 90-110 |  |  |  |

|                               |      |                               |      |      |  |      |        |      |    |  |
|-------------------------------|------|-------------------------------|------|------|--|------|--------|------|----|--|
| <b>LCS Dup (B251505-BSD1)</b> |      | Prepared & Analyzed: 06/03/25 |      |      |  |      |        |      |    |  |
| Chloride                      | 24.7 | 1.00                          | mg/L | 25.0 |  | 98.9 | 90-110 | 4.13 | 20 |  |
| Sulfate                       | 24.9 | 1.00                          | mg/L | 25.0 |  | 99.6 | 90-110 | 4.28 | 20 |  |

|                                   |      |                           |      |                               |       |      |        |  |  |    |
|-----------------------------------|------|---------------------------|------|-------------------------------|-------|------|--------|--|--|----|
| <b>Matrix Spike (B251505-MS1)</b> |      | <b>Source: 2505324-01</b> |      | Prepared & Analyzed: 06/03/25 |       |      |        |  |  |    |
| Chloride                          | 23.6 | 1.00                      | mg/L | 25.0                          | 0.549 | 92.3 | 85-115 |  |  |    |
| Sulfate                           | 159  | 1.00                      | mg/L | 25.0                          | 137   | 84.8 | 85-115 |  |  | M3 |

|                                   |      |                           |      |                                       |      |      |        |  |  |  |
|-----------------------------------|------|---------------------------|------|---------------------------------------|------|------|--------|--|--|--|
| <b>Matrix Spike (B251505-MS2)</b> |      | <b>Source: 2505333-01</b> |      | Prepared: 06/03/25 Analyzed: 06/04/25 |      |      |        |  |  |  |
| Chloride                          | 31.2 | 1.00                      | mg/L | 25.0                                  | 6.70 | 97.9 | 85-115 |  |  |  |
| Sulfate                           | 40.2 | 1.00                      | mg/L | 25.0                                  | 16.1 | 96.4 | 85-115 |  |  |  |

|  |      |                           |      |                               |       |      |        |       |    |  |
|--|------|---------------------------|------|-------------------------------|-------|------|--------|-------|----|--|
| <b>Matrix Spike Dup (B251505-MSD1)</b> |      | <b>Source: 2505324-01</b> |      | Prepared & Analyzed: 06/03/25 |       |      |        |       |    |  |
| Chloride                               | 24.2 | 1.00                      | mg/L | 25.0                          | 0.549 | 94.4 | 85-115 | 2.24  | 20 |  |
| Sulfate                                | 160  | 1.00                      | mg/L | 25.0                          | 137   | 90.1 | 85-115 | 0.844 | 20 |  |

|  |      |                           |      |                                       |      |     |        |      |    |  |
|--|------|---------------------------|------|---------------------------------------|------|-----|--------|------|----|--|
| <b>Matrix Spike Dup (B251505-MSD2)</b> |      | <b>Source: 2505333-01</b> |      | Prepared: 06/03/25 Analyzed: 06/04/25 |      |     |        |      |    |  |
| Chloride                               | 31.9 | 1.00                      | mg/L | 25.0                                  | 6.70 | 101 | 85-115 | 2.36 | 20 |  |
| Sulfate                                | 41.1 | 1.00                      | mg/L | 25.0                                  | 16.1 | 100 | 85-115 | 2.22 | 20 |  |

#### Batch B251530 - General Prep - Wet Chem

|                                  |    |                               |      |  |  |  |  |  |  |  |
|----------------------------------|----|-------------------------------|------|--|--|--|--|--|--|--|
| <b>Blank (B251530-BLK1)</b>      |    | Prepared & Analyzed: 06/04/25 |      |  |  |  |  |  |  |  |
| Alkalinity, Bicarbonate as CaCO3 | ND | 10.0                          | mg/L |  |  |  |  |  |  |  |
| Alkalinity, Carbonate as CaCO3   | ND | 10.0                          | mg/L |  |  |  |  |  |  |  |
| Alkalinity, Hydroxide as CaCO3   | ND | 10.0                          | mg/L |  |  |  |  |  |  |  |
| Alkalinity, Total as CaCO3       | ND | 10.0                          | mg/L |  |  |  |  |  |  |  |

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



Hilcorp  
382 CR 3100  
Aztec NM, 87410

Project: Formation Comparison  
Project Name / Number: Burnt Mesa Pad  
Project Manager: Ashley Bates

**Reported:**  
06/06/25 10:13

### General Chemistry - Quality Control (Continued)

| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC | %REC<br>Limits | RPD | RPD<br>Limit | Notes |
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|

#### Batch B251530 - General Prep - Wet Chem (Continued)

##### LCS (B251530-BS1)

Prepared & Analyzed: 06/04/25

|  |     |      |      |     |     |        |
|--|-----|------|------|-----|-----|--------|
| Alkalinity, Total as CaCO <sub>3</sub> | 100 | 10.0 | mg/L | 100 | 100 | 85-115 |
|--|-----|------|------|-----|-----|--------|

##### LCS Dup (B251530-BS1)

Prepared & Analyzed: 06/04/25

|  |     |      |      |     |     |        |       |    |
|--|-----|------|------|-----|-----|--------|-------|----|
| Alkalinity, Total as CaCO <sub>3</sub> | 101 | 10.0 | mg/L | 100 | 101 | 85-115 | 0.995 | 20 |
|--|-----|------|------|-----|-----|--------|-------|----|

##### Matrix Spike (B251530-MS1)

Source: 2505370-10

Prepared & Analyzed: 06/04/25

|  |     |      |      |     |      |      |        |
|--|-----|------|------|-----|------|------|--------|
| Alkalinity, Total as CaCO <sub>3</sub> | 163 | 10.0 | mg/L | 100 | 66.0 | 97.0 | 80-120 |
|--|-----|------|------|-----|------|------|--------|

##### Matrix Spike (B251530-MS2)

Source: 2505370-11

Prepared & Analyzed: 06/04/25

|  |     |      |      |     |      |      |        |
|--|-----|------|------|-----|------|------|--------|
| Alkalinity, Total as CaCO <sub>3</sub> | 163 | 10.0 | mg/L | 100 | 72.0 | 91.0 | 80-120 |
|--|-----|------|------|-----|------|------|--------|

##### Matrix Spike Dup (B251530-MSD1)

Source: 2505370-10

Prepared & Analyzed: 06/04/25

|  |     |      |      |     |      |     |        |      |    |
|--|-----|------|------|-----|------|-----|--------|------|----|
| Alkalinity, Total as CaCO <sub>3</sub> | 167 | 10.0 | mg/L | 100 | 66.0 | 101 | 80-120 | 2.42 | 20 |
|--|-----|------|------|-----|------|-----|--------|------|----|

##### Matrix Spike Dup (B251530-MSD2)

Source: 2505370-11

Prepared & Analyzed: 06/04/25

|  |     |      |      |     |      |      |        |      |    |
|--|-----|------|------|-----|------|------|--------|------|----|
| Alkalinity, Total as CaCO <sub>3</sub> | 168 | 10.0 | mg/L | 100 | 72.0 | 96.0 | 80-120 | 3.02 | 20 |
|--|-----|------|------|-----|------|------|--------|------|----|

##### Reference (B251530-SRM1)

Prepared & Analyzed: 06/04/25

|  |     |      |      |     |     |        |
|--|-----|------|------|-----|-----|--------|
| Alkalinity, Total as CaCO <sub>3</sub> | 103 | 10.0 | mg/L | 100 | 103 | 85-115 |
|--|-----|------|------|-----|-----|--------|

#### Batch B251532 - General Prep - Wet Chem

##### Duplicate (B251532-DUP1)

Source: 2505388-03

Prepared & Analyzed: 05/29/25

|              |       |      |             |       |       |    |
|--------------|-------|------|-------------|-------|-------|----|
| Conductivity | 37800 | 1.00 | umho/cm@25C | 37700 | 0.265 | 20 |
|--------------|-------|------|-------------|-------|-------|----|

##### Reference (B251532-SRM1)

Prepared & Analyzed: 05/29/25

|              |      |      |             |      |     |        |
|--------------|------|------|-------------|------|-----|--------|
| Conductivity | 1010 | 1.00 | umho/cm@25C | 1000 | 101 | 90-110 |
|--------------|------|------|-------------|------|-----|--------|

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



Hilcorp  
382 CR 3100  
Aztec NM, 87410

Project: Formation Comparison  
Project Name / Number: Burnt Mesa Pad  
Project Manager: Ashley Bates

**Reported:**  
06/06/25 10:13

### Potentially Dissolved Metals by ICP - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

#### Batch B251493 - Potentially Dissolved ICP

##### Blank (B251493-BLK1)

Prepared & Analyzed: 06/02/25

|           |    |       |      |
|-----------|----|-------|------|
| Barium    | ND | 0.020 | mg/L |
| Calcium   | ND | 0.100 | mg/L |
| Iron      | ND | 0.050 | mg/L |
| Lead      | ND | 0.100 | mg/L |
| Magnesium | ND | 0.100 | mg/L |
| Manganese | ND | 0.020 | mg/L |
| Potassium | ND | 1.00  | mg/L |
| Silicon   | ND | 0.500 | mg/L |
| Sodium    | ND | 1.00  | mg/L |
| Strontium | ND | 0.100 | mg/L |
| Zinc      | ND | 0.100 | mg/L |

##### LCS (B251493-BS1)

Prepared & Analyzed: 06/02/25

|           |      |       |      |      |      |        |
|-----------|------|-------|------|------|------|--------|
| Barium    | 2.00 | 0.020 | mg/L | 2.00 | 99.8 | 85-115 |
| Calcium   | 3.95 | 0.100 | mg/L | 4.00 | 98.7 | 85-115 |
| Iron      | 3.98 | 0.050 | mg/L | 4.00 | 99.5 | 85-115 |
| Lead      | 1.91 | 0.100 | mg/L | 2.00 | 95.4 | 85-115 |
| Magnesium | 20.4 | 0.100 | mg/L | 20.0 | 102  | 85-115 |
| Manganese | 1.97 | 0.020 | mg/L | 2.00 | 98.7 | 85-115 |
| Potassium | 8.06 | 1.00  | mg/L | 8.00 | 101  | 85-115 |
| Silicon   | 3.96 | 0.500 | mg/L | 4.00 | 99.0 | 85-115 |
| Sodium    | 3.21 | 1.00  | mg/L | 3.24 | 99.0 | 85-115 |
| Strontium | 3.93 | 0.100 | mg/L | 4.00 | 98.4 | 85-115 |
| Zinc      | 1.96 | 0.100 | mg/L | 2.00 | 98.2 | 85-115 |

##### LCS Dup (B251493-BSD1)

Prepared & Analyzed: 06/02/25

|           |      |       |      |      |      |        |       |    |
|-----------|------|-------|------|------|------|--------|-------|----|
| Barium    | 1.98 | 0.020 | mg/L | 2.00 | 98.9 | 85-115 | 0.870 | 20 |
| Calcium   | 3.88 | 0.100 | mg/L | 4.00 | 97.0 | 85-115 | 1.72  | 20 |
| Iron      | 3.90 | 0.050 | mg/L | 4.00 | 97.6 | 85-115 | 1.94  | 20 |
| Lead      | 1.92 | 0.100 | mg/L | 2.00 | 95.9 | 85-115 | 0.547 | 20 |
| Magnesium | 20.0 | 0.100 | mg/L | 20.0 | 100  | 85-115 | 2.01  | 20 |
| Manganese | 1.99 | 0.020 | mg/L | 2.00 | 99.6 | 85-115 | 0.842 | 20 |
| Potassium | 8.12 | 1.00  | mg/L | 8.00 | 101  | 85-115 | 0.681 | 20 |
| Silicon   | 3.91 | 0.500 | mg/L | 4.00 | 97.7 | 85-115 | 1.39  | 20 |
| Sodium    | 3.17 | 1.00  | mg/L | 3.24 | 97.8 | 85-115 | 1.20  | 20 |
| Strontium | 3.97 | 0.100 | mg/L | 4.00 | 99.2 | 85-115 | 0.818 | 20 |
| Zinc      | 1.94 | 0.100 | mg/L | 2.00 | 97.1 | 85-115 | 1.12  | 20 |

##### Matrix Spike (B251493-MS1)

Source: 2505346-02

Prepared & Analyzed: 06/02/25

|        |      |       |      |      |    |      |        |
|--------|------|-------|------|------|----|------|--------|
| Barium | 1.98 | 0.400 | mg/L | 2.00 | ND | 98.9 | 70-130 |
|--------|------|-------|------|------|----|------|--------|

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.





Hilcorp  
382 CR 3100  
Aztec NM, 87410

Project: Formation Comparison  
Project Name / Number: Burnt Mesa Pad  
Project Manager: Ashley Bates

Reported:  
06/06/25 10:13

**Potentially Dissolved Metals by ICP - Quality Control  
(Continued)**

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

**Batch B251493 - Potentially Dissolved ICP (Continued)**

**Matrix Spike (B251493-MS1) (Continued)**

Source: 2505346-02 Prepared & Analyzed: 06/02/25

|           |      |       |      |      |       |      |        |  |  |    |
|-----------|------|-------|------|------|-------|------|--------|--|--|----|
| Calcium   | 7.21 | 2.00  | mg/L | 4.00 | 3.88  | 83.4 | 70-130 |  |  |    |
| Iron      | 56.6 | 1.00  | mg/L | 4.00 | 61.6  | NR   | 70-130 |  |  | M3 |
| Lead      | 1.88 | 2.00  | mg/L | 2.00 | ND    | 93.8 | 70-130 |  |  |    |
| Magnesium | 19.4 | 2.00  | mg/L | 20.0 | ND    | 97.2 | 70-130 |  |  |    |
| Manganese | 2.32 | 0.400 | mg/L | 2.00 | 0.508 | 90.5 | 70-130 |  |  |    |
| Potassium | 9.94 | 20.0  | mg/L | 8.00 | ND    | 124  | 70-130 |  |  |    |
| Silicon   | 3.58 | 10.0  | mg/L | 4.00 | 0.355 | 80.6 | 70-130 |  |  |    |
| Sodium    | ND   | 20.0  | mg/L | 3.24 | ND    |      | 70-130 |  |  | M2 |
| Strontium | 3.62 | 2.00  | mg/L | 4.00 | ND    | 90.6 | 70-130 |  |  |    |
| Zinc      | 10.8 | 2.00  | mg/L | 2.00 | 10.2  | 27.1 | 70-130 |  |  | M3 |

**Matrix Spike (B251493-MS2)**

Source: 2505388-01 Prepared & Analyzed: 06/02/25

|           |      |       |      |      |      |      |        |  |  |    |
|-----------|------|-------|------|------|------|------|--------|--|--|----|
| Barium    | 24.1 | 0.400 | mg/L | 2.00 | 24.1 | 3.33 | 70-130 |  |  | M3 |
| Calcium   | 460  | 2.00  | mg/L | 4.00 | 492  | NR   | 70-130 |  |  | M3 |
| Iron      | 130  | 1.00  | mg/L | 4.00 | 140  | NR   | 70-130 |  |  | M3 |
| Lead      | 1.84 | 2.00  | mg/L | 2.00 | ND   | 91.9 | 70-130 |  |  |    |
| Magnesium | 70.2 | 2.00  | mg/L | 20.0 | 57.6 | 62.8 | 70-130 |  |  | M2 |
| Manganese | 3.03 | 0.400 | mg/L | 2.00 | 1.14 | 94.5 | 70-130 |  |  |    |
| Potassium | 40.2 | 20.0  | mg/L | 8.00 | 35.6 | 57.4 | 70-130 |  |  | M3 |
| Silicon   | 43.9 | 10.0  | mg/L | 4.00 | 44.1 | NR   | 70-130 |  |  | M3 |
| Sodium    | 7150 | 20.0  | mg/L | 3.24 | 7720 | NR   | 70-130 |  |  | M3 |
| Strontium | 85.8 | 2.00  | mg/L | 4.00 | 88.0 | NR   | 70-130 |  |  | M3 |
| Zinc      | 1.86 | 2.00  | mg/L | 2.00 | ND   | 92.8 | 70-130 |  |  |    |

**Matrix Spike Dup (B251493-MSD1)**

Source: 2505346-02 Prepared & Analyzed: 06/02/25

|           |      |       |      |      |       |      |        |      |    |    |
|-----------|------|-------|------|------|-------|------|--------|------|----|----|
| Barium    | 2.08 | 0.600 | mg/L | 2.00 | ND    | 104  | 70-130 | 4.96 | 20 |    |
| Calcium   | 7.80 | 3.00  | mg/L | 4.00 | 3.88  | 98.0 | 70-130 | 7.81 | 20 |    |
| Iron      | 61.2 | 1.50  | mg/L | 4.00 | 61.6  | NR   | 70-130 | 7.82 | 20 | M3 |
| Lead      | 2.14 | 3.00  | mg/L | 2.00 | ND    | 107  | 70-130 | 13.0 | 20 |    |
| Magnesium | 20.6 | 3.00  | mg/L | 20.0 | ND    | 103  | 70-130 | 5.96 | 20 |    |
| Manganese | 2.39 | 0.600 | mg/L | 2.00 | 0.508 | 93.9 | 70-130 | 2.94 | 20 |    |
| Potassium | 11.2 | 30.0  | mg/L | 8.00 | ND    | 140  | 70-130 | 11.6 | 20 | M1 |
| Silicon   | 4.61 | 15.0  | mg/L | 4.00 | 0.355 | 106  | 70-130 | 25.3 | 20 | R1 |
| Sodium    | ND   | 30.0  | mg/L | 3.24 | ND    |      | 70-130 |      | 20 | M2 |
| Strontium | 3.71 | 3.00  | mg/L | 4.00 | ND    | 92.7 | 70-130 | 2.33 | 20 |    |
| Zinc      | 11.6 | 3.00  | mg/L | 2.00 | 10.2  | 69.6 | 70-130 | 7.61 | 20 | M3 |

**Matrix Spike Dup (B251493-MSD2)**

Source: 2505388-01 Prepared & Analyzed: 06/02/25

|         |      |       |      |      |      |     |        |      |    |    |
|---------|------|-------|------|------|------|-----|--------|------|----|----|
| Barium  | 27.1 | 0.600 | mg/L | 2.00 | 24.1 | 151 | 70-130 | 11.5 | 20 | M3 |
| Calcium | 511  | 3.00  | mg/L | 4.00 | 492  | 487 | 70-130 | 10.6 | 20 | M3 |

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.





Hilcorp  
382 CR 3100  
Aztec NM, 87410

Project: Formation Comparison  
Project Name / Number: Burnt Mesa Pad  
Project Manager: Ashley Bates

**Reported:**  
06/06/25 10:13

**Potentially Dissolved Metals by ICP - Quality Control  
(Continued)**

| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC | %REC<br>Limits | RPD | RPD<br>Limit | Notes |
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|

**Batch B251493 - Potentially Dissolved ICP (Continued)**

| Matrix Spike Dup (B251493-MSD2) (Continued) |      | Source: 2505388-01 |      | Prepared & Analyzed: 06/02/25 |      |     |        |      |    |    |
|---|------|--------------------|------|-------------------------------|------|-----|--------|------|----|----|
| Iron  | 145  | 1.50               | mg/L | 4.00                          | 140  | 130 | 70-130 | 11.2 | 20 |    |
| Lead  | 2.23 | 3.00               | mg/L | 2.00                          | ND   | 112 | 70-130 | 19.4 | 20 |    |
| Magnesium                                   | 79.6 | 3.00               | mg/L | 20.0                          | 57.6 | 110 | 70-130 | 12.5 | 20 |    |
| Manganese                                   | 3.35 | 0.600              | mg/L | 2.00                          | 1.14 | 111 | 70-130 | 10.2 | 20 |    |
| Potassium                                   | 45.4 | 30.0               | mg/L | 8.00                          | 35.6 | 123 | 70-130 | 12.2 | 20 |    |
| Silicon                                     | 48.8 | 15.0               | mg/L | 4.00                          | 44.1 | 119 | 70-130 | 10.7 | 20 |    |
| Sodium                                      | 7930 | 30.0               | mg/L | 3.24                          | 7720 | NR  | 70-130 | 10.4 | 20 | M3 |
| Strontium                                   | 95.2 | 3.00               | mg/L | 4.00                          | 88.0 | 180 | 70-130 | 10.4 | 20 | M3 |
| Zinc  | 2.11 | 3.00               | mg/L | 2.00                          | ND   | 106 | 70-130 | 12.9 | 20 |    |

Green Analytical Laboratories

A handwritten signature in blue ink that reads 'Jeremy D. Allen'.

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



|   |   |                             |
|---|---|-----------------------------|
| Hilcorp<br>382 CR 3100<br>Aztec NM, 87410 | Project: Formation Comparison<br>Project Name / Number: Burnt Mesa Pad<br>Project Manager: Ashley Bates | Reported:<br>06/06/25 10:13 |
|---|---|-----------------------------|

### Notes and Definitions

R1 Duplicate sample RPD exceeded laboratory acceptance criteria. Sample(s) may be difficult to homogenize.

M5 Sample was chosen for matrix spike. Spike recovery did not meet laboratory acceptance criteria, possible matrix interference in sample.

M3 Matrix spike recovery did not meet acceptance criteria. Accuracy of the spike is reduced since the analyte concentration in the sample is more than four times the spike level.

M2 Matrix spike recovery was below laboratory acceptance criteria. Recovery possibly affected by a matrix interference in the sample. The method blank spike recovery was acceptable.

M1 Matrix spike recovery was above laboratory acceptance criteria.

J Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).

H1 Sample was received several days after collected and subsequently analyzed past hold time.

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis  
\*Results reported on as received basis unless designated as dry.

RPD Relative Percent Difference

LCS Laboratory Control Sample (Blank Spike)

RL Report Limit

MDL Method Detection Limit

Green Analytical Laboratories

A handwritten signature in blue ink that reads 'Jeremy D. Allen'.

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



Hilcorp  
382 CR 3100  
Aztec NM, 87410

Project: Formation Comparison  
Project Name / Number: Burnt Mesa Pad  
Project Manager: Ashley Bates

**Reported:**  
06/06/25 10:13

### Qualifier Summary

| LabNumber   | Analysis                               | Analyte                   | Qualifier | TextBody   |
|-------------|--|---------------------------|-----------|--|
| 2505388-01  | Magnesium Potentially Dissolved by ICP | Magnesium                 | M5        | Sample was chosen for matrix spike. Spike recovery did not meet laboratory acceptance criteria, possible matrix interference in sample.  |
| 2505388-01  | pH                                     | pH                        | H1        | Sample was received several days after collected and subsequently analyzed past hold time.   |
| 2505388-01  | pH                                     | pH Temperature, degrees C | H1        | Sample was received several days after collected and subsequently analyzed past hold time.   |
| 2505388-02  | pH                                     | pH                        | H1        | Sample was received several days after collected and subsequently analyzed past hold time.   |
| 2505388-02  | pH                                     | pH Temperature, degrees C | H1        | Sample was received several days after collected and subsequently analyzed past hold time.   |
| 2505388-03  | pH                                     | pH                        | H1        | Sample was received several days after collected and subsequently analyzed past hold time.   |
| 2505388-03  | pH                                     | pH Temperature, degrees C | H1        | Sample was received several days after collected and subsequently analyzed past hold time.   |
| 2505388-04  | pH                                     | pH                        | H1        | Sample was received several days after collected and subsequently analyzed past hold time.   |
| 2505388-04  | pH                                     | pH Temperature, degrees C | H1        | Sample was received several days after collected and subsequently analyzed past hold time.   |
| 2505388-05  | pH                                     | pH                        | H1        | Sample was received several days after collected and subsequently analyzed past hold time.   |
| 2505388-05  | pH                                     | pH Temperature, degrees C | H1        | Sample was received several days after collected and subsequently analyzed past hold time.   |
| 2505388-06  | pH                                     | pH                        | H1        | Sample was received several days after collected and subsequently analyzed past hold time.   |
| 2505388-06  | pH                                     | pH Temperature, degrees C | H1        | Sample was received several days after collected and subsequently analyzed past hold time.   |
| B251493-MS1 | Iron Potentially Dissolved by ICP      | Iron                      | M3        | Matrix spike recovery did not meet acceptance criteria. Accuracy of the spike is reduced since the analyte concentration in the sample is more than four times the spike level.    |
| B251493-MS1 | Sodium Potentially Dissolved by ICP    | Sodium                    | M2        | Matrix spike recovery was below laboratory acceptance criteria. Recovery possibly affected by a matrix interference in the sample. The method blank spike recovery was acceptable. |
| B251493-MS1 | Zinc Potentially Dissolved by ICP      | Zinc                      | M3        | Matrix spike recovery did not meet acceptance criteria. Accuracy of the spike is reduced since the analyte concentration in the sample is more than four times the spike level.    |
| B251493-MS2 | Barium Potentially Dissolved by ICP    | Barium                    | M3        | Matrix spike recovery did not meet acceptance criteria. Accuracy of the spike is reduced since the analyte concentration in the sample is more than four times the spike level.    |
| B251493-MS2 | Calcium Potentially Dissolved by ICP   | Calcium                   | M3        | Matrix spike recovery did not meet acceptance criteria. Accuracy of the spike is reduced since the analyte concentration in the sample is more than four times the spike level.    |
| B251493-MS2 | Iron Potentially Dissolved by ICP      | Iron                      | M3        | Matrix spike recovery did not meet acceptance criteria. Accuracy of the spike is reduced since the analyte concentration in the sample is more than four times the spike level.    |
| B251493-MS2 | Magnesium Potentially Dissolved by ICP | Magnesium                 | M2        | Matrix spike recovery was below laboratory acceptance criteria. Recovery possibly affected by a matrix interference in the sample. The method blank spike recovery was acceptable. |

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



|   |   |                             |
|---|---|-----------------------------|
| Hilcorp<br>382 CR 3100<br>Aztec NM, 87410 | Project: Formation Comparison<br>Project Name / Number: Burnt Mesa Pad<br>Project Manager: Ashley Bates | Reported:<br>06/06/25 10:13 |
|---|---|-----------------------------|

|                     |  |           |    |  |
|---------------------|--|-----------|----|--|
| <b>B251493-MS2</b>  | Potassium Potentially Dissolved by ICP | Potassium | M3 | Matrix spike recovery did not meet acceptance criteria. Accuracy of the spike is reduced since the analyte concentration in the sample is more than four times the spike level.    |
| <b>B251493-MS2</b>  | Silicon Potentially Dissolved by ICP   | Silicon   | M3 | Matrix spike recovery did not meet acceptance criteria. Accuracy of the spike is reduced since the analyte concentration in the sample is more than four times the spike level.    |
| <b>B251493-MS2</b>  | Sodium Potentially Dissolved by ICP    | Sodium    | M3 | Matrix spike recovery did not meet acceptance criteria. Accuracy of the spike is reduced since the analyte concentration in the sample is more than four times the spike level.    |
| <b>B251493-MS2</b>  | Strontium Potentially Dissolved by ICP | Strontium | M3 | Matrix spike recovery did not meet acceptance criteria. Accuracy of the spike is reduced since the analyte concentration in the sample is more than four times the spike level.    |
| <b>B251493-MSD1</b> | Iron Potentially Dissolved by ICP      | Iron      | M3 | Matrix spike recovery did not meet acceptance criteria. Accuracy of the spike is reduced since the analyte concentration in the sample is more than four times the spike level.    |
| <b>B251493-MSD1</b> | Potassium Potentially Dissolved by ICP | Potassium | M1 | Matrix spike recovery was above laboratory acceptance criteria.  |
| <b>B251493-MSD1</b> | Silicon Potentially Dissolved by ICP   | Silicon   | R1 | Duplicate sample RPD exceeded laboratory acceptance criteria. Sample(s) may be difficult to homogenize.  |
| <b>B251493-MSD1</b> | Sodium Potentially Dissolved by ICP    | Sodium    | M2 | Matrix spike recovery was below laboratory acceptance criteria. Recovery possibly affected by a matrix interference in the sample. The method blank spike recovery was acceptable. |
| <b>B251493-MSD1</b> | Zinc Potentially Dissolved by ICP      | Zinc      | M3 | Matrix spike recovery did not meet acceptance criteria. Accuracy of the spike is reduced since the analyte concentration in the sample is more than four times the spike level.    |
| <b>B251493-MSD2</b> | Barium Potentially Dissolved by ICP    | Barium    | M3 | Matrix spike recovery did not meet acceptance criteria. Accuracy of the spike is reduced since the analyte concentration in the sample is more than four times the spike level.    |
| <b>B251493-MSD2</b> | Calcium Potentially Dissolved by ICP   | Calcium   | M3 | Matrix spike recovery did not meet acceptance criteria. Accuracy of the spike is reduced since the analyte concentration in the sample is more than four times the spike level.    |
| <b>B251493-MSD2</b> | Sodium Potentially Dissolved by ICP    | Sodium    | M3 | Matrix spike recovery did not meet acceptance criteria. Accuracy of the spike is reduced since the analyte concentration in the sample is more than four times the spike level.    |
| <b>B251493-MSD2</b> | Strontium Potentially Dissolved by ICP | Strontium | M3 | Matrix spike recovery did not meet acceptance criteria. Accuracy of the spike is reduced since the analyte concentration in the sample is more than four times the spike level.    |
| <b>B251505-MS1</b>  | Sulfate [IC]                           | Sulfate   | M3 | Matrix spike recovery did not meet acceptance criteria. Accuracy of the spike is reduced since the analyte concentration in the sample is more than four times the spike level.    |

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.





75 Suttle Street  
Durango, CO 81303  
(970) 247-4220

Table of Contents

Note: Write-Out™ or similar products cannot be used on the Chain of Custody

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST  
FORM-006, R 8.0

|  |  |                                |  |                         |  |                    |  |                 |  |                         |  |             |  |         |  |              |  |
|--|--|--------------------------------|--|-------------------------|--|--------------------|--|-----------------|--|-------------------------|--|-------------|--|---------|--|--------------|--|
| Company or Client:                           |  | Hilcorp/ East                  |  | Bill to (if different): |  | ANALYSIS REQUEST   |  |                 |  |                         |  |             |  |         |  |              |  |
| Address:                                     |  | 382 Road 3100, Aztec, NM 87410 |  |                         |  |                    |  |                 |  |                         |  |             |  |         |  |              |  |
| City:  |  | Aztec                          |  | State:                  |  | NM                 |  | Zip:            |  | 87410                   |  |             |  |         |  |              |  |
| Phone #:                                     |  | 505-635-4123                   |  |                         |  |                    |  |                 |  |                         |  |             |  |         |  |              |  |
| Contact Person:                              |  | Ashley Bates                   |  |                         |  |                    |  |                 |  |                         |  |             |  |         |  |              |  |
| Email Report to:                             |  | Abates@hilcorp.com             |  |                         |  |                    |  |                 |  |                         |  |             |  |         |  |              |  |
| Project Name (optional):                     |  | Burnt Mesa Pad                 |  |                         |  |                    |  |                 |  |                         |  |             |  |         |  |              |  |
| Sampler Name (Print):                        |  | Ashley Bates                   |  |                         |  |                    |  |                 |  |                         |  |             |  |         |  |              |  |
| Lab I.D.                                     |  | 2505-388                       |  |                         |  |                    |  |                 |  |                         |  |             |  |         |  |              |  |
| Lab Use Only                                 |  |                                |  |                         |  |                    |  |                 |  |                         |  |             |  |         |  |              |  |
| Sample Name or Location                      |  | Date                           |  | Time                    |  | Matrix (check one) |  | # of containers |  |                         |  |             |  |         |  |              |  |
| 1) Burnt Mesa Fed Com Unit 602H              |  | 5/22/2025                      |  | 10am                    |  | GROUNDWATER        |  | 1               |  |                         |  |             |  |         |  |              |  |
| 2) San Juan 32-7 #603 Fed Com Unit 607H      |  | 5/22/2025                      |  | 10am                    |  | SURFACE WATER      |  | 1               |  |                         |  |             |  |         |  |              |  |
| 3) Burnt Mesa Fed Com Unit 604H              |  | 5/22/2025                      |  | 10am                    |  | WASTEWATER         |  | 1               |  |                         |  |             |  |         |  |              |  |
| 4) San Juan 32-7 #602 Fed Com Unit 603H      |  | 5/22/2025                      |  | 10am                    |  | PRODUCED WATER     |  | 1               |  |                         |  |             |  |         |  |              |  |
| 5) San Juan 32-7 #603 Fed Com Unit 613H      |  | 5/22/2025                      |  | 10am                    |  | DRINKING WATER     |  | 1               |  |                         |  |             |  |         |  |              |  |
| 6) San Juan 32-7 #603 Fed Com Unit 613H tank |  | 5/22/2025                      |  | 10am                    |  | SOIL               |  | 1               |  |                         |  |             |  |         |  |              |  |
| 7) Abeyta 17-1                               |  | 5/22/2025                      |  | 1pm                     |  | OTHER:             |  | 1               |  |                         |  |             |  |         |  |              |  |
| 8)   |  |                                |  |                         |  |                    |  |                 |  |                         |  |             |  |         |  |              |  |
| 9)   |  |                                |  |                         |  |                    |  |                 |  |                         |  |             |  |         |  |              |  |
| 10)  |  |                                |  |                         |  |                    |  |                 |  |                         |  |             |  |         |  |              |  |
| Date   |  | Time                           |  | Received By:            |  | Date               |  | Time            |  | Temperature at receipt: |  | Checked by: |  | On Use? |  | Therm. used: |  |
| Relinquished By: <i>[Signature]</i>          |  | 5/23/25                        |  | 13:58                   |  | Marta Clark        |  | 5/23/25         |  | 348                     |  | 1.3/0.4     |  | mm y    |  | Lave 2       |  |
| Relinquished By: <i>[Signature]</i>          |  | 5/27/25                        |  | 16:55                   |  | Kangaroo Exp       |  | 5/27/25         |  | 16:55                   |  | 25.4        |  | mm y    |  | Lave 2       |  |
| Relinquished By: <i>[Signature]</i>          |  | 5/28/25                        |  | 14:40                   |  | Kangaroo Exp       |  | 5/28/25         |  | 14:40                   |  | 25.4        |  | mm y    |  | Lave 2       |  |

PLEASE NOTE: GAL's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by GAL within 30 days after completion of the applicable service. In no event shall GAL be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by GAL, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

† GAL cannot accept verbal changes. Please email changes to receiving@greenanalytical.com  
\* Chain of Custody must be signed in "Relinquished By:" as an acceptance of services and all applicable charges.





## SAMPLE CONDITION RECEIPT FORM

 Date/Initials of  
examining contents: 5-28-25

Table of Contents

 Labeled by initials: \_\_\_\_\_  
(If different than above)
Client Name: HilcorpWork Order # 2505-388
 Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☒ Kangaroo ☐ Third Party ☐ Other

 Custody Seals on Box/Cooler Present: ☐ Yes ☒ No Seals Intact: ☐ Yes ☐ No GAL Cooler #: \_\_\_\_\_

 Thermometer Used: #2 Samples on ice, cooling process has begun: ☒ Yes ☐ No

 Type of Ice: ☒ Wet ☐ Blue ☐ None Cooler Temp: Observed Temp: 1.3 °C Correction Factor: -0.9 °C Final Temp: 0.4 °C  
\*Temp should be above freezing 6°C
Compliance: ☐ Yes ☒ No

|  |  |                                    |
|--|--|------------------------------------|
| Chain of Custody Filled Out:   | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                              | 1.                                 |
| COC Signed when Relinquished and Received:                                       | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                              | 2.                                 |
| Sampler Name and Signature on COC:<br>*Required for compliance                   | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                              | 3.                                 |
| Samples arrived within hold time:  | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                              | 4.                                 |
| Correct Containers Used & Intact:  | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                              | 5.                                 |
| Short Hold Time Analysis (<72hr):  | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                              | 6. <u>pH</u>                       |
| Rush Turn Around Time Requested:   | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                              | 7.                                 |
| Sufficient Volume:   | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                              | 8.                                 |
| pH's acceptable upon receipt, where applicable:<br>*Not including metals bottles | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A | 9. <u>four off for Pb + Metals</u> |
| Dissolved Testing Needed:  | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                              | 10.                                |
| Field Filtered: <input type="checkbox"/> Yes <input type="checkbox"/> No         |  |                                    |
| Sample Labels match COC:<br>-Includes Date/Time/ID                               | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                              | 11.                                |
| Matrix:  | <input checked="" type="checkbox"/> WT <input type="checkbox"/> SL <input type="checkbox"/> OT   |                                    |
| Trip Blank Present:  | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A | 12.                                |
| Trip Blank Custody Seals Present:  | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A |                                    |
| VOA's meet headspace requirement (<6mm bubbles)                                  | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A |                                    |
| Non-Conformance(s):  | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                              | 13.                                |

Client Notification/Resolution:

Person Contacted: \_\_\_\_\_

Date/Time: \_\_\_\_\_

 Comments/Resolution: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

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

General Information  
Phone: (505) 629-6116

Online Phone Directory  
<https://www.emnrd.nm.gov/ocd/contact-us>

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

CONDITIONS

Action 514186

CONDITIONS

|  |   |
|--|---|
| Operator:<br>HILCORP ENERGY COMPANY<br>1111 Travis Street<br>Houston, TX 77002 | OGRID:<br>372171                                    |
|  | Action Number:<br>514186                            |
|  | Action Type:<br>[C-103] NOI General Sundry (C-103X) |

CONDITIONS

| Created By     | Condition | Condition Date |
|----------------|-----------|----------------|
| stacy.sandoval | None      | 12/3/2025      |