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Hilcorp  
382 Road 3100  
Aztec NM, 87410

Project: Braden Head  
Project Name / Number: [none]  
Project Manager: David Bounds

**Reported:**  
04/30/21 16:03

**Zachry #5**  
**Area 8**      30-045-60308

**2104177-02 (Produced Water)**

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

**General Chemistry**

|                                |             |      |      |          |     |                |          |    |     |
|--------------------------------|-------------|------|------|----------|-----|----------------|----------|----|-----|
| <b>Chloride*</b>               | <b>62.7</b> | 100  | 4.22 | mg/L     | 100 | 04/26/21 13:39 | EPA300.0 |    | AES |
| <b>pH*</b>                     | <b>10.2</b> |      |      | pH Units | 1   | 04/22/21 10:50 | EPA150.1 | H1 | VJW |
| <b>Total Dissolved Solids*</b> | <b>5830</b> | 10.0 |      | mg/L     | 1   | 04/26/21 10:30 | EPA160.1 |    | VJW |
| <b>Sulfate*</b>                | <b>3890</b> | 100  | 15.2 | mg/L     | 100 | 04/26/21 13:39 | EPA300.0 |    | AES |

Green Analytical Laboratories

A handwritten signature in black ink that reads 'Debbie Zufelt'.

Debbie Zufelt, Reports Manager

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

CONDITIONS  
  
Action 32981

CONDITIONS

|  |   |
|--|---|
| Operator:<br>HILCORP ENERGY COMPANY<br>1111 Travis Street<br>Houston, TX 77002 | OGRID:<br>372171                                    |
|  | Action Number:<br>32981                             |
|  | Action Type:<br>[UF-GA] Gas Analysis (GAS ANALYSIS) |

CONDITIONS

|            |  |                |
|------------|--|----------------|
| Created By | Condition  | Condition Date |
| mkuehling  | Is this produced water or bradenhead water - if bradenhead please submit water analysis from production water. | 6/23/2021      |