

75 Suttle Street Durango, CO 81303 970.247.4220 Phone 970.247.4227 Fax www.greenanalytical.com

09 September 2021

David Bounds Hilcorp 382 Road 3100 Aztec, NM 87410

RE: Braden Head

Enclosed are the results of analyses for samples received by the laboratory on 08/27/21 15:15. If you need any further assistance, please feel free to contact me.

Sincerely,

Debbie Zufelt

Reports Manager

Dellie Zufett

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: T104704514-21-12.

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: T104704398-21-14



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Hilcorp Project: Braden Head
382 Road 3100 Project Name / Number: South
Aztec NM, 87410 Project Manager: David Bounds

Reported: 09/09/21 12:37

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received | Notes |
|--------------------|---------------|--------|----------------|----------------|--------|
| Cole A 1E (Tubing) | 2108318-01 | Water | 08/27/21 00:00 | 08/27/21 15:15 | 01, 03 |

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Cole A 1E (Tubing) Area 8

2108318-01 (Ground Water)

| Analyte | Result | RL | MDL | Units | Dilution Analyzed | | Method | Notes | Analyst |
|---------------------------|--------|-----|------|----------|-------------------|----------------|----------|-------|---------|
| General Chemistry | | | | | | | | | |
| Chloride* | 18000 | 500 | 21.1 | mg/L | 500 | 09/07/21 23:08 | EPA300.0 | | AES |
| pH* | 7.62 | | | pH Units | 1 | 09/01/21 09:12 | EPA150.1 | H1 | VJW |
| pH Temperature, degrees C | 20.9 | | | pH Units | 1 | 09/01/21 09:12 | EPA150.1 | H1 | VJW |
| Total Dissolved Solids* | 30400 | 100 | | mg/L | 10 | 09/02/21 15:50 | EPA160.1 | | VJW |
| Sulfate* | 141 | 500 | 76.2 | mg/L | 500 | 09/07/21 23:08 | EPA300.0 | J | AES |

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HilcorpProject:Braden Head382 Road 3100Project Name / Number:SouthReported:Aztec NM, 87410Project Manager:David Bounds09/09/21 12:37

Notes and Definitions

| Q3 | Sample received without proper chemical preservation as requested by the method of analysis. |
|-----|--|
| Q1 | Sample received outside of acceptable temperature range for analyses requiring cold storage. |
| 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. |
| J | Estimated conentration. Analyte concentration between MDL and RL. |
| 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) |

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RL

MDL

Report Limit
Method Detection Limit

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| Client: Hilcorp | Asset: | South | Disas 4 | 505 440 0440 | T |
|--------------------|-------------------------|-------|----------|---------------------|----------------------|
| | 793, Farmington NM 8740 | South | Pnone# | 505-419-3410 | Contact David Bounds |
| Address. SA CINF S | 793, Farmington NM 8/40 | 01 | E-Mail A | ddres dbounds@hilo | orp.com |



75 Suttle Street Durango, CO 81303 Phone:970-247-4220 FAX: 970-247-4227

CHAIN OF CUSTODY RECORD GAL Work Order # 2108318

PO#

Project Name:

Sample Location:

(1)BumperSpring, (2)CompressorDischarge, (3)Flowline, (4)Meter, (5)Oil Tank (6)PigLauncher, (7)PigReceiver, (8)Pipeline, (9)Pit Tank, (10)PostFilter, (11)PreFilter (12)SeparatorInlet, (13)SeparatorOutlet, (14)SeparatorDump, (15)SWDInlet (16)SWDOutlet, (17)TransferPump, (18)ValveCan, (19)WaterTank, (20)Wellhead

(21)Other

Sample Type:

(1)Casing, (2)CO2GasTube, (3)Coupon, (4)Water, (5)H2SGasTube, (6)Metals (7)O2GasTube, (8)PipeSection, (9)Residual, (10)Sludge, (11)Solid, (12)Tubing, (13)Othe

| | Collection | | | | | | | | Preservative | | | | Analyses Requir | | |
|-------------------------|------------|------|------|-----------------------|-----------------|-------------|-------------------|-----------------|--------------|-------|----------|-------------------|-----------------|----------|-----------|
| Well Name (Sample Name) | Area | Date | Time | Collected By: (Init.) | Sample Location | Sample Type | No. of Containers | Filtered: Y / N | Unpreserved | H2S04 | Other: | ron and Manganese | Phosphate | _ | Budenhead |
| Cole A 1 # (Tubing) | 6 | 8/27 | | MV | 20 | 4 | / | N | V | N | N | 드 | Д | <u>I</u> | 191 |
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| Relinguished by: | Date: | Time: | Received By: | Date: | Time: |
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| Eyan PrAching | 8/27/21 | 3:12 | Vieko Gurri | 8-27-21 | 15:15 |
| VG | | | Kangara | Expres | 20 |

Kangaras Express 8/31/21 0845 Junda Sumple 0846 8/31/21
5.40 Laser #3 on la

Page 5 of 5 2108318 GAL no QC FINAL 09 09 21 1237 09/09/21 12:37:16

District I
1625 N. French Dr., Hobbs, NM 88240
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1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

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

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

CONDITIONS

Action 47565

CONDITIONS

| Operator: | OGRID: |
|------------------------|-------------------------------------|
| HILCORP ENERGY COMPANY | 372171 |
| 1111 Travis Street | Action Number: |
| Houston, TX 77002 | 47565 |
| | Action Type: |
| | [UF-GA] Gas Analysis (GAS ANALYSIS) |

CONDITIONS

| Created By | Condition | Condition Date |
|------------|-----------|----------------|
| mkuehling | None | 12/21/2021 |