OCD Received 7/6/2020



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

22 June 2020

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 06/10/20 14:27. 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.

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.



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

Reported: 06/22/20 16:51

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received	Notes
Burroughs Com 1	2006098-01	Water	06/10/20 00:00	06/10/20 14:27	

Green Analytical Laboratories

Deldie Zufett

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.



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Burroughs Com 1

2006098-01 (Produced Water)

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
General Chemistry									
Chloride*	70.4	100	8.86	mg/L	100	06/19/20 17:05	EPA300.0		AES
pH*	8.27			pH Units	1	06/11/20 13:30	EPA150.1		VJW
Total Dissolved Solids*	4800	10.0		mg/L	1	06/16/20 14:25	EPA160.1		VJW
Sulfate*	3260	100	15.2	mg/L	100	06/19/20 17:05	EPA300.0		AES

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Aztec NM, 87410 Project Manager: David Bounds 06/22/20 16:51

Notes and Definitions

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

Debbie Zufelt, Reports Manager

Deldie Zufett

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Client: Hilcorp Asset: South Phone# 505-419-3410 Contact David Bounds
Address: 9A CR# 5793, Farmington NM 87401 E-Mail Addres dbounds@hilcorp.com



75 Suttle Street Durango, CO 81303 Phone:970-247-4220 FAX: 970-247-4227 GAL Work Order # 2006-01

PO#

Project Name:

Sample Location:

3.00 W

(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)Other

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	Col	lection						Pres	serva	ative	Z	An	alyse	s Re	quired
Well Name (Sample Name)	Area	Date	Time	Collected By: (Init.)	Sample Location	Sample Type	No. of Containers	Filtered: Y / N	Unpreserved	H2S04	Other Brade,	Iron and Manganese	Phosphate	Full Water API	1
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