

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

17 June 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 06/04/21 15:22. 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.



dzufelt@greenanalytical.com p: 970.247.4220 f: 970.247.4227 75 Suttle Street Durango, CO 81303

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Hilcorp Project: Braden Head
382 Road 3100 Project Name / Number: South Reported:
Aztec NM, 87410 Project Manager: David Bounds 06/17/21 12:46

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received	Notes
Brookhaven Com D#5	2106071-01	Water	06/03/21 00:00	06/04/21 15:22	Q1, Q3
30.045.06150					

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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Reported:

06/17/21 12:46

Brookhaven Com D#5 Area 9

30.045.06150

2106071-01 (Ground Water)

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
General Chemistry									
Chloride*	14.4	20.0	0.845	mg/L	20	06/14/21 20:12	EPA300.0		AES
pH*	8.99			pH Units	1	06/08/21 09:55	EPA150.1	H1	VJW
Total Dissolved Solids*	840	10.0		mg/L	1	06/09/21 14:05	EPA160.1		VJW
Sulfate*	262	20.0	3.05	mg/L	20	06/14/21 20:12	EPA300.0		AES

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Dellie Zufett

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MDL

Method Detection Limit

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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.
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
3.75	
NR	Not Reported
NR dry	Not Reported Sample results reported on a dry weight basis
	·
	Sample results reported on a dry weight basis
dry	Sample results reported on a dry weight basis *Results reported on as received basis unless designated as dry.

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



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CHAIN OF CUSTODY RECORD					
GAL Work Order #	210,071				
PO#					
Project Name:					

26.8 v U

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)Other

	Collection						Preservative			Analyses Required					
Well Name (Sample Name)	Area	Date	Time	Collected By: (Init.)	Sample Location	Sample Type	No. of Containers	Filtered: Y / N	Unpreserved	H2SO4	Other:	Iron and Manganese	Phosphate	Full Water API	Bradenhead
1. Brookhaven Com P#5	9	6/3		RL	20	4	1	N	Y	N	X				X
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Relinquished by:	Date:	Time:	Received By:	Date:	Time:
Q 1 Ryan Postchard	6/4/21	3:22	Moto Hail	1 6/4/21	1522
Municipal	6/7/21	1655	Kansarno Exc	1055 617	121 1655
Kangaroo Express	618121	0830	Gunda Du	nper 6/8	121 0830

Lasutt 3 ce 220

Page 5 of 5 2106071 GAL_no QC FINAL 06 17 21 1246 06/17/21 12:46:35

District I
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Phone: (575) 393-6161 Fax: (575) 393-0720

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

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

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**

COMMENTS

Action 33955

COMMENTS

Operator:	OGRID:
HILCORP ENERGY COMPANY	372171
1111 Travis Street	Action Number:
Houston, TX 77002	33955
	Action Type:
	[UF-GA] Gas Analysis (GAS ANALYSIS)

COMMENTS

Created By	Comment	Comment Date
mkuehling	TDS 840	8/2/2021

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Houston, TX 77002	33955
	Action Type:
	[UF-GA] Gas Analysis (GAS ANALYSIS)

CONDITIONS

Created By	Condition	Condition Date
mkuehling	None	8/2/2021