

NMOCD REC'D 10/5/20

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

03 September 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 08/31/20 15:40. 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

www.GreenAnalytical.com

Hilcorp Project: Braden Head
382 Road 3100 Project Name / Number: [none]
Aztec NM, 87410 Project Manager: David Bounds

Reported: 09/03/20 16:06

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received	Notes
Grambling 1A	2009005-01	Water	08/31/20 00:00	08/31/20 15:40	

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.



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

www.GreenAnalytical.com

Hilcorp Project: Braden Head
382 Road 3100 Project Name / Number: [none]
Aztec NM, 87410 Project Manager: David Bounds

Reported:

09/03/20 16:06

Grambling 1A

2009005-01 (Produced Water)

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
- Harry to	Result					111111111111111111111111111111111111111	Memod	11000	
General Chemistry									
Chloride*	142	200	17.7	mg/L	200	09/03/20 09:35	EPA300.0		AES
pH*	11.7			pH Units	1	09/03/20 09:25	EPA150.1	Н3	VJW
Total Dissolved Solids*	10400	20.0		mg/L	2	09/01/20 10:20	EPA160.1		VJW
Sulfate*	7030	200	30.5	mg/L	200	09/03/20 09:35	EPA300.0		AES

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.



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

www.GreenAnalytical.com

Reported:

Hilcorp Project: Braden Head 382 Road 3100 Project Name / Number: [none]

Aztec NM, 87410 Project Manager: David Bounds 09/03/20 16:06

Notes and Definitions

H3 Initial analysis performed within hold-time but not reportable due to QC failure or other issue. Sample was subsequently re-analyzed

past hold time specified by method.

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

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.

seldie Zufett

Client: Hilcorp Address: 9A CR# 5793, Farmingt	Asset on NM 8	A7 :: \$	outh		one Vail	# 5 0	05-4	19-34 ounds	410 @hile	Corp. c	onta	ct Da	vid E	oun	ıds	
Analytical Laboratories		Durango, Phone:97(cuttle Stree CO 8130 0-247-422 0-247-422	3	PC	LW	ork (Orde	OF (CUS	то	DY	REC	OR	D	
23.2 W Sample Location		(12)Sepa (16)SWE (21)Othe (1)Casing	erSpring, (.uncher, (7) aratorInlet, OUtlet, (17 r r J, (2)CO2G	(13)Se)Trans	parato ferPu	prOutle	et, (14) 8)Valv	(9)Pit Separ eCan,	Tank, atorD (19)V	vater	PostFi (15)Si Tank,	Iter, (1 WDInle (20)W	1)PreF et ellhead	I		
	Co	llection						Pre	serv	ative	<u> </u>	An	alvec	e D	equired	7
Well Name (Sample Name) 1. Grambling 1A	Area	Date	Time	Collected By: (Init.)	Sample Location	Sample Type	No. of Containers	≥ Filtered: Y / N	V Unpreserved	H2SO4	Other:	Iron and Manganese	Phosphate	Full Water API	(Brackerheal Ballinba	Z
3. 4. 5.																X

Well Name (Sample Name)

Area

Date

Time

Time

Time

Date

Time

Date

Time

Date

Time

Date

Relinquished by:	Date:	Times	1-0	
Shulfen	8-31-21	Time:	Received By:	Date: Time:
Cha Cha	8/21/27	5:40	(With lay	L 8/31/20 1541)
Warm Gad	9/3//00	1035	Kangrov TXON	155 8/31/20 11055
Kangaroo Express	9/1/20	08.12	08-1-R-1	TO THE TO SO
Tunganoo en as	7	00.11	cera and	

5.7/5.5°C onke lazers/