

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

07 October 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 09/23/21 15:22. If you need any further assistance, please feel free to contact me.

Sincerely,

Deblie Zufett

Debbie Zufelt Reports Manager

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



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

Laboratories		www.GreenAnalytical.com
Hilcorp	Project: Braden Head	
382 Road 3100	Project Name / Number: South	Reported:
Aztec NM, 87410	Project Manager: David Bounds	10/07/21 11:09

## ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID Matrix		Date Sampled	Date Received	Notes
Florance 1 (Bradenhead)	2109266-01	Water	09/22/21 00:00	09/23/21 15:22	Q1, Q3

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Debbie Zufelt, Reports Manager Released to Imaging: 12/21/2021 8:14:10 AM 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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							www.Gre	enAnalytical	.com		
Hilcorp 382 Road 3100	Proje		roject: Bra					Benorte	٠d•		
Aztec NM, 87410	Project Name / Number: South Project Manager: David Bounds								<b>Reported:</b> 10/07/21 11:09		
Azice 100, 87410		1 lojeet Ma	illagel. Dav	la Doullas				10/07/211	11.09		
		Floran	ce 1 (Bra Area 9	denhead)							
2109266-01 (Ground Water)											
Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst		
General Chemistry											
Chloride*	59.8	100	4.22	mg/L	100	10/04/21 19:59	EPA300.0		AES		
pH*	8.36			pH Units	1	09/24/21 14:00	EPA150.1	H1	VJW		
pH Temperature, degrees C	23.8			pH Units	1	09/24/21 14:00	EPA150.1	H1	VJW		
Total Dissolved Solids*	5540	10.0		mg/L	1	09/29/21 10:55	EPA160.1		VJW		
Sulfate*					100	10/04/21 19:59	EPA300.0		AES		

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	Laboratories	www.GreenAnalytical.com			
Hilcorp	Project: Braden Head				
82 Road	1 3100 Project Name / Number: South	Reported:			
Aztec NM	A, 87410 Project Manager: David Bounds	10/07/21 11:09			
	Notes and Definitions				
23	Sample received without proper chemical preservation as requested by the method of analysis.				
21	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.					
H1	Sample was received several days after collected and subsequently analyzed past hold time.				
DET	Analyte DETECTED				
1D	Analyte NOT DETECTED at or above the reporting limit				
IR	Not Reported				
ry	Sample results reported on a dry weight basis				
	*Results reported on as received basis unless designated as dry.				
PD	Relative Percent Difference				
CS	Laboratory Control Sample (Blank Spike)				
L	Report Limit				
1DL	Method Detection Limit				

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Client: <b>Hilcorp</b> Address: 9A CR# 5793, Farmingto	Asset:	a design of the second s	uth			505						Davi	d Bo	und	S
Address. SA CR# 5795, Faimingto		401			all A	ddres	abol	inds(a		orp.co	<u>m</u>		ala ta stara y		
CREEN Analytical Laboratories	P	75 Su Durango, ( hone:970- FAX: 970-	247-4220		PO#	. Wo	rk Oi	rder 7		UST 210		DY R	ECC	RD	
Sample Location:		(6)PigLau (12)Separ (16)SWD0 (21)Other (1)Casing	rSpring, (2 ncher, (7)F ratorInlet, ( Dutlet, (17) , (2)CO2Ga Tube, (8)Pi	PigRec 13)Sep Trans asTub	eiver, barator ferPun e, (3)C	(8)Pipe Outlet np, (18 coupon	eline, ( , (14) )Valve , (4)W	(9)Pit T Separa Can, Vater, (	Tank, itorDu (19)W	(10)P imp, ( /aterT SGasT	ostFil 15)SV ank, ( Tube,	ter, (11 VDInlei (20)We (6)Met	)PreFil Ilhead als		
	Co	llection						Pres	serva	ative		An	alvse	s Re	quired
Well Name (Sample Name)	Area	Date	Time	Collected By: (Init.)	Sample Location	Sample Type	No. of Containers	Filtered: Y / N	Unpreserved	H2SO4	Other:	ron and Manganese	Phosphate	Full Water API	Bradenherd
1. Florance I (Bradenhead) 2.	9	9122		CR	20	4	/	//	Υ	Ň	N	<u>ч</u>	<u>C</u>		t
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o. 7. 8. 9.															
10. 11. 12.															
13. 14. 15. 16.															
17. 18. 19.													,		
20. Relinquished by:	Dat	e	Гime:		Rece	eived E	RV.	0			Date		Tim	le.	
Lyan Pettchare Mitte Charl 9 Jangaroo Express	9/2 9/2 9/24/	3/21	3:22 1655 083	5		ngo			ich De Du		9/2 9/2	3/2 13/2 9/2	1	15	22 55 830
U									(	Ja 4.	ser 4/	30	n S oC	lce	
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District I 1625 N. French Dr., Hobbs, NM 88240 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

District IV 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

Operator:	OGRID:
HILCORP ENERGY COMPANY	372171
1111 Travis Street	Action Number:
Houston, TX 77002	56312
	Action Type:
	[UF-GA] Gas Analysis (GAS ANALYSIS)
CONDITIONS	

Created By	Condition	Condition Date
mkuehling	tds 5540	12/21/2021

CONDITIONS

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Action 56312