

OCD Received 5/28/2020

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

04 May 2020

Kevin Fredrickson Hilcorp 382 Road 3100 Aztec, NM 87410 RE: Braden Head

Enclosed are the results of analyses for samples received by the laboratory on 04/27/20 10:10. 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.

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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Laboratories		www.GreenAnalytical.com
Hilcorp	Project: Braden Head	
382 Road 3100	Project Name / Number: North	Reported:
Aztec NM, 87410	Project Manager: Kevin Fredrickson	05/04/20 15:57

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received	Notes
Fee 3B	2004170-01	Water	04/26/20 13:00	04/27/20 10:10	

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Debbie Zufelt, Reports Manager

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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Fee 3B

2004170-01 (Produced Water)											
Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst		
General Chemistry											
Chloride*	486	50.0	4.43	mg/L	50	04/29/20 22:00	EPA300.0		AES		
pH*	10.6			pH Units	1	04/28/20 11:50	EPA150.1		FGH		
Total Dissolved Solids*	3930	20.0		mg/L	2	04/30/20 14:30	EPA160.1		VJW		
Sulfate*	390	50.0	7.62	mg/L	50	04/29/20 22:00	EPA300.0		AES		

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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

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Client: Hilcorp Address: 382 Road 3100, Az	Asset: tec, NM. 874	10	orth	Pho E-N	one# //ail A	50 Addre	5-63	4-60 edric	69 kson	Co @hi	ntac Icorr	Kev b.con	in Fi	edri	ckso
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Analytical Laboratorios FAX: 970-247-4227					GAL Work Order # 2004-170-01 PO#										
Sample Lo	cation:	(1)Bumpe (6)PigLau (12)Separ	rSpring, (2 ncher, (7) ratorInlet, Outlet, (17	2)Com PigRec (13)Se	presso eiver, parato	rDisch (8)Pip rOutle	narge, eline, t, (14)	(3)Fic (9)Pit Separ	Tank, atorDi	(10)F ump, i	PostFil (15)SI	lter, (1 [.] NDInle	I)PreF		
Sample	Туре:	(1)Casing (7)O2Gas	, (2)CO2G Tube, (8)P	iasTub ipeSec	e, (3)C tion, (9	Coupor))Resid	n, (4)V dual, (1	Vater, 10)Slu	(5)H2 Idge, (1	SGas 11)So	Tube, lid, (12	(6)Me 2)Tubin	tals g. (13)	Other	
	Co	llection						Pre	serv	ative		An	alyse	s Re	eauir
Post Rig water	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	Bradenhead
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