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www.GreenAnalytical.com

Hilcorp
382 Road 3100
Aztec NM, 87410

Project: Braden Head
Project Name / Number: Asset: East
Project Manager: Bill Eaves

Reported:
06/14/19 11:23

SJ 27-4 14 X API 30-039-07056

Area 14

1906075-02 (Water)

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
General Chemistry									
Chloride*	30.2	25.0	2.56	mg/L	25	06/12/19	EPA300.0		AES
pH*	10.0			pH Units	1	06/07/19	EPA150.1	H4	JDA
Total Dissolved Solids*	550	10.0		mg/L	1	06/11/19	EPA160.1		VJL
Sulfate*	67.3	25.0	5.33	mg/L	25	06/12/19	EPA300.0		AES

Green Analytical Laboratories

Debbie Zufelt

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.

Page 4 of 6



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Notes and Definitions

Q1 Sample received outside of acceptable temperature range for analyses requiring cold storage.

H4 pH analysis performed more than 48 hours after sampling.

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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Page 5 of 6

Client: Hilcorp Asset: East Phone# 505-860-5425 Contact: Bill Eaves
Address: 9A CR# 5793, Farmington NM 87401 E-Mail Address: weaves@hilcorp.com



CHAIN OF CUSTODY RECORD	
GAL Work Order #	1906-074 075
PO#	120607
Project Name:	

2966
NO: a c

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) SJ 27-5 107M API 30-039-25930	14	6/5/2019		MSO	20	4	1	NO	NO	NO					XXX
3.															
12) SJ 27-4 14 X API 30-039-07056	14	6/5/2019		MSO	20	4	1	NO	NO	NO					XXX
6.															
7.															
8.															
9.															
10.															
11.															
12.															
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15.															
16.															
17.															
18.															
19.															
20.															

Relinquished by:	Date:	Time:	Received By:	Date:	Time:
<i>Bill Eaves</i>	6-6-19	15:00	<i>Matthew Clark</i>	6/6/19	1500
<i>Matthew Clark</i>	6/6/19	1655	<i>Kangaroo Express</i>	6/6/19	1655
<i>Kangaroo Express</i>	6/7/19	0845	<i>Chata Bricker</i>	6/7/19	0845

Temp.
4.2/4.0°C
#1 on ice
DB 0845 D60