



OCD Received  
8/10/2020

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www.GreenAnalytical.com

Hilcorp  
382 Road 3100  
Aztec NM, 87410

Project: Braden Head  
Project Name / Number: [none]  
Project Manager: David Bounds

**Reported:**  
08/07/20 07:32

#### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received	Notes
Pierce Federal A 2E	2007286-01	Water	07/24/20 00:00	07/24/20 15:36	
Zachry 10 API#: 30-045-07727	2007286-02	Water	07/24/20 00:00	07/24/20 15:36	
Zachry 60	2007286-03	Water	07/24/20 00:00	07/24/20 15:36	

Green Analytical Laboratories

Debbie Zufelt, Reports Manager

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### Zachry 10

#### 2007286-02 (Produced Water)

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
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#### General Chemistry

Chloride*	36.9	50.0	4.43	mg/L	50	08/05/20 20:26	EPA300.0		AES
pH*	9.08			pH Units	1	07/28/20 13:10	EPA150.1	H1	VJW
Total Dissolved Solids*	3180	10.0		mg/L	1	07/29/20 10:55	EPA160.1		VJW
Sulfate*	2300	50.0	7.62	mg/L	50	08/05/20 20:26	EPA300.0		AES

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### Notes and Definitions

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

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: <b>Hilcorp</b>	Asset: <b>South</b>	Phone# <b>505-419-3410</b>	Contact <b>David Bounds</b>
Address: 9A CR# 5793, Farmington NM 87401		E-Mail Address <a href="mailto:dbounds@hilcorp.com">dbounds@hilcorp.com</a>	



75 Suttle Street  
Durango, CO 81303  
Phone: 970-247-4220  
FAX: 970-247-4227

### CHAIN OF CUSTODY RECORD

GAL Work Order #

PO#

Project Name:

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	Brackish
1. Pierce Federal A 2E	7	7/24		RS	20	4	1	N	✓						X
2. Zachry 10	7	7/24		RS	20	4	1	N	✓						X
3. Zachry 60	7	7/24		RS	20	4	1	N	✓						X
4.															
5.															
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19.															
20.															

Relinquished by: <i>[Signature]</i>	Date: 072420	Time: 1536	Received By: <i>[Signature]</i>	Date: 7/24/20	Time: 1536
<i>Karyn Express</i>	7/27/20	1455	<i>Rafaelo Lopez</i>		
	7/28/20	0900	<i>Clara Bui</i>		

5.6/5.7°C  
on ice  
laser #1