



OCD Received  
8/17/2020

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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:**  
08/17/20 09:02

#### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received	Notes
Zachry 10 API# 30-045-07727	2007286-02	Water	07/24/20 00:00	07/24/20 15:36	

Green Analytical Laboratories

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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Client requested each of the 3 samples be reported individually. This RE report is revised and replaces the original report dated 08/07/20.

Green Analytical Laboratories

A handwritten signature in black ink that reads 'Debbie Zufelt'.

Debbie Zufelt, Reports Manager

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08/17/20 09:02

Zachry 10 API# 30-045-07727

2007286-02 (Produced Water)

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

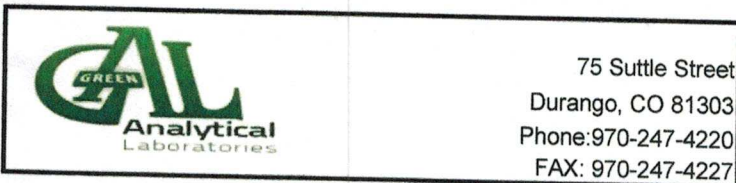
Chloride*	36.9	50.0	4.43	mg/L	50	08/05/20 20:26	EPA300.0		AES
pH*	9.08			pH Units	1	07/28/20 13:10	EPA150.1	H1	VJW
Total Dissolved Solids*	3180	10.0		mg/L	1	07/29/20 10:55	EPA160.1		VJW
Sulfate*	2300	50.0	7.62	mg/L	50	08/05/20 20:26	EPA300.0		AES

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Debbie Zufelt, Reports Manager

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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>	



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.															
6.															
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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