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Hilcorp 382 CR 3100 Aztec NM, 87410	Project: Braden Head Project Name / Number: South Project Manager: David Bounds	Reported: 08/14/23 08:58
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## ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received	Notes
Zachry 60 - Produced water from tubing	2308090-01	Water	08/01/23 08:00	08/03/23 15:00	

DRAFT REPORT

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.

DRAFT REPORT, DATA SUBJECT TO CHANGE

Released to Imaging: 9/18/2023 11:26:18 AM

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Hilcorp  
382 CR 3100  
Aztec NM, 87410

Project: Braden Head  
Project Name / Number: South  
Project Manager: David Bounds

**Reported:**  
08/14/23 08:58

**Zachry 60 - Produced water from tubing****2308090-01 (Produced Water)****Sampled Date: 08/01/23 08:00**

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

<b>Chloride*</b>	<b>14100</b>	100	5.55	mg/L	100	08/11/23 14:58	EPA300.0		JDA
<b>pH*</b>	<b>6.62</b>			pH Units	1	08/04/23 09:54	EPA150.1	H1	AES
<b>pH Temperature, degrees C</b>	<b>20.5</b>			pH Units	1	08/04/23 09:54	EPA150.1	H1	AES
<b>Sulfate*</b>	<12.4	100	12.4	mg/L	100	08/11/23 14:58	EPA300.0		JDA
<b>Total Dissolved Solids*</b>	<b>9630</b>	10.0		mg/L	1	08/07/23 17:19	EPA160.1		CAI

DRAFT REPORT

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DRAFT REPORT, DATA SUBJECT TO CHANGE

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Hilcorp  
382 CR 3100  
Aztec NM, 87410

Project: Braden Head  
Project Name / Number: South  
Project Manager: David Bounds

**Reported:**  
07/07/23 13:20

**Zachry 60****2306251-08 (Bradenhead)****Sampled Date: 06/22/23 09:00**

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

<b>Chloride*</b>	<b>34.9</b>	50.0	2.78	mg/L	50	07/04/23 05:40	EPA300.0		AWG
<b>pH*</b>	<b>11.7</b>			pH Units	1	06/23/23 16:30	EPA150.1		KRW
<b>pH Temperature, degrees C</b>	<b>18.9</b>			pH Units	1	06/23/23 16:30	EPA150.1		KRW
<b>Sulfate*</b>	<b>8910</b>	50.0	6.20	mg/L	50	07/04/23 05:40	EPA300.0		AWG
<b>Total Dissolved Solids*</b>	<b>12400</b>	20.0		mg/L	2	06/27/23 10:54	EPA160.1		CAI

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A handwritten signature in blue ink that reads 'Veronica J. Wells'.

Veronica Wells, Project Manager

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**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

CONDITIONS

Action 251857

CONDITIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 251857
	Action Type: [UF-GA] Gas Analysis (GAS ANALYSIS)

CONDITIONS

Created By	Condition	Condition Date
mkuehling	tds 12400 - produced water on bh	9/18/2023