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

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

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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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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

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

DRAFT REPORT

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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
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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

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

Green Analytical Laboratories

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