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Hilcorp
382 CR 3100
Aztec NM, 87410

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

Reported:
08/21/23 16:12

Pierce Federal A2 water from Bradenhead**2308293-01 (Water)****Sampled Date: 08/15/23 09:00**

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

Chloride*	66.8	200	11.1	mg/L	200	08/19/23 01:14	EPA300.0		AWG
pH*	12.6			pH Units	1	08/17/23 11:26	EPA150.1	H2	CAI
pH Temperature, degrees C	19.8			pH Units	1	08/17/23 11:26	EPA150.1	H2	CAI
Sulfate*	9100	200	24.8	mg/L	200	08/19/23 01:14	EPA300.0		AWG
Total Dissolved Solids*	17000	80.0		mg/L	8	08/17/23 15:40	EPA160.1		CAI

Green Analytical Laboratories

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

Veronica Wells, Project 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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Project: Braden Head
Project Name / Number: South
Project Manager: David Bounds

Reported:
08/21/23 16:12

Pierce Federal A2 Produced water from Separator**2308293-02 (Produced Water)****Sampled Date: 08/15/23 10:00**

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

Chloride*	<27.8	500	27.8	mg/L	500	08/19/23 01:34	EPA300.0		AWG
pH*	6.14			pH Units	1	08/17/23 11:59	EPA150.1	H2	CAI
pH Temperature, degrees C	20.0			pH Units	1	08/17/23 11:59	EPA150.1	H2	CAI
Sulfate*	<62.0	500	62.0	mg/L	500	08/19/23 01:34	EPA300.0		AWG
Total Dissolved Solids*	1920	160		mg/L	16	08/17/23 15:42	EPA160.1		CAI

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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 255775

CONDITIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 255775
	Action Type: [UF-GA] Gas Analysis (GAS ANALYSIS)

CONDITIONS

Created By	Condition	Condition Date
mkuehling	bradenhead water tds 17000 - produced water on bradenhead	9/15/2023