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Hilcorp 382 Road 3100 Aztec NM, 87410	Project: Braden Head Project Name / Number: South Project Manager: David Bounds	Reported: 08/19/21 09:02
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**Gerk Gas Com BIM (Bradenhead) Area 8** API / UWI  
3004524953

**2108063-01 (Ground Water)**

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

Chloride*	62.6	100	4.22	mg/L	100	08/16/21 14:52	EPA300.0		AES
pH*	7.37			pH Units	1	08/06/21 10:50	EPA150.1		VJW
pH Temperature, degrees C	22.9			pH Units	1	08/06/21 10:50	EPA150.1		VJW
Total Dissolved Solids*	10400	20.0		mg/L	2	08/12/21 16:00	EPA160.1		VJW
Sulfate*	6870	200	30.5	mg/L	200	08/18/21 00:57	EPA300.0		AES

Green Analytical Laboratories

Debbie Zufelt, Reports Manager

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Hilcorp 382 Road 3100 Aztec NM, 87410	Project: Braden Head Project Name / Number: South Project Manager: David Bounds	Reported: 08/19/21 09:02
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**Gerk Gas Com BIM (Produced) Area 8** API / UWI  
3004524953

**2108063-02 (Ground Water)**

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

Chloride*	9390	500	21.1	mg/L	500	08/16/21 15:12	EPA300.0		AES
pH*	7.10			pH Units	1	08/06/21 10:50	EPA150.1		VJW
pH Temperature, degrees C	21.9			pH Units	1	08/06/21 10:50	EPA150.1		VJW
Total Dissolved Solids*	20600	400		mg/L	40	08/10/21 17:15	EPA160.1		VJW
Sulfate*	250	500	76.2	mg/L	500	08/16/21 15:12	EPA300.0	J	AES

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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 43356

**CONDITIONS**

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 43356
	Action Type: [UF-GA] Gas Analysis (GAS ANALYSIS)

**CONDITIONS**

Created By	Condition	Condition Date
mkuehling	None	10/14/2021