



Well Name: SALTY DOG 4 SWD; BHD
 API #: 3004532334
 Source: BRADENHEAD
 Sample Type: GAS
 Analysis No: HS20230242
 Cust No: 35825-14295

Well/Lease Information

Customer Name: HILCORP (BHD PROJECT)
 Well Name: SALTY DOG 4 SWD; BHD
 County/State: SAN JUAN NM
 Location:
 Lease/PA/CA:
 Formation: MV
 Cust. Stn. No.: 3004532334

Source: BRADENHEAD
 Well Flowing: N
 Pressure: 36 PSIG
 Flow Temp: 81 DEG. F
 Ambient Temp: 81 DEG. F
 Flow Rate: MCF/D
 Sample Method:
 Sample Date: 08/23/2023
 Sample Time: 8.40 AM
 Sampled By: STEVEN JAQUEZ
 Sampled by (CO): HILCORP

AREA 2 / RUN 202

Heat Trace:
 Remarks:

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	5.3108	5.3275	0.5850	0.00	0.0514
CO2	0.0537	0.0539	0.0090	0.00	0.0008
Methane	88.9868	89.2671	15.1150	898.77	0.4929
Ethane	3.1047	3.1145	0.8320	54.94	0.0322
Propane	1.5664	1.5713	0.4320	39.41	0.0238
Iso-Butane	0.4961	0.4977	0.1630	16.13	0.0100
N-Butane	0.2749	0.2758	0.0870	8.97	0.0055
I-Pentane	0.1096	0.1099	0.0400	4.38	0.0027
N-Pentane	0.0331	0.0332	0.0120	1.33	0.0008
Hexane Plus	0.0639	0.0641	0.0290	3.37	0.0021
Total	100.0000	100.3150	17.3040	1027.30	0.6223

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0022
 BTU/CU.FT IDEAL: 1029.7
 BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1032.0
 BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1014.0
 DRY BTU @ 15.025: 1052.7
 REAL SPECIFIC GRAVITY: 0.6234

CYLINDER #: 6052
 CYLINDER PRESSURE: 22 PSIG
 ANALYSIS DATE: 08/25/2023
 ANALYSIS TIME: 11:18:11 AM
 ANALYSIS RUN BY: SARAH BALLARD

GPM, BTU, and SPG calculations as shown above are based on current GPA constants.

GPA Standard: GPA-2261

GC: Danalyzer Model 500 Last Cal/Verify: 09/01/2023

GC Method: C6+ Gas



HILCORP (BHD PROJECT)
WELL ANALYSIS COMPARISON

Lease:	SALTY DOG 4 SWD; BHD	BRADENHEAD	09/01/2023
Stn. No.:	3004532334	MV	35825-14295
Mtr. No.:			

Smpl Date:	08/23/2023	04/14/2022
Test Date:	08/25/2023	04/20/2022
Run No:	HS20230242	HS20220009
Nitrogen:	5.3108	1.9374
CO2:	0.0537	0.0266
Methane:	88.9868	91.7148
Ethane:	3.1047	3.6006
Propane:	1.5664	1.7665
I-Butane:	0.4961	0.4902
N-Butane:	0.2749	0.2605
I-Pentane:	0.1096	0.1036
N-Pentane:	0.0331	0.0341
Hexane+:	0.0639	0.0657
BTU:	1032.0	1072.9
GPM:	17.3040	17.5760
SPG:	0.6234	0.6133

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District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 261684

CONDITIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 261684
	Action Type: [UF-GA] Gas Analysis (GAS ANALYSIS)

CONDITIONS

Created By	Condition	Condition Date
mkuehling	high nitrogen on the sample	9/15/2023