



Well Name: MCCORD B 1F; BHD

API #: 3004534200

Source: BRADENHEAD

Sample Type: GAS

Analysis No: HS20240110

Cust No: 35825-15840

Well/Lease Information

Customer Name: HILCORP (BHD PROJECT)

Well Name: MCCORD B 1F; BHD

County/State: SAN JUAN NM

Location:

Lease/PA/CA: SF-07813

Formation:

Cust. Stn. No.: 3004534200
ELB88492

AREA 2 / RUN 0206

Heat Trace: N

Remarks:

Source: BRADENHEAD

Well Flowing: Y

Pressure: 80 PSIG

Flow Temp: DEG. F

Ambient Temp: DEG. F

Flow Rate: MCF/D

Sample Method: Purge & Fill

Sample Date: 05/22/2024

Sample Time: 9.00 AM

Sampled By: STEVE W.

Sampled by (CO): HILCORP

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	1.1325	1.1357	0.1250	0.00	0.0110
CO2	0.0044	0.0044	0.0010	0.00	0.0001
Methane	85.1702	85.4093	14.4860	860.22	0.4718
Ethane	3.9932	4.0044	1.0710	70.67	0.0415
Propane	4.4666	4.4791	1.2350	112.38	0.0680
Iso-Butane	1.6468	1.6514	0.5410	53.55	0.0330
N-Butane	1.5724	1.5768	0.4970	51.30	0.0316
I-Pentane	0.5306	0.5321	0.1950	21.23	0.0132
N-Pentane	0.4374	0.4386	0.1590	17.53	0.0109
Hexane Plus	1.0459	1.0488	0.4680	55.13	0.0346
Total	100.0000	100.2806	18.7780	1242.01	0.7156

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0035
 BTU/CU.FT IDEAL: 1244.9
 BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1249.3
 BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1227.6
 DRY BTU @ 15.025: 1274.3
 REAL SPECIFIC GRAVITY: 0.7178

CYLINDER #: 019
 CYLINDER PRESSURE: 73 PSIG
 ANALYSIS DATE: 05/29/2024
 ANALYSIS TIME: 11:39:29 AM
 ANALYSIS RUN BY: ALEXIS MITCHELL

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: 05/31/2024

GC Method: C6+ Gas



HILCORP (BHD PROJECT)
WELL ANALYSIS COMPARISON

Lease: MCCORD B 1F; BHD
Stn. No.: 3004534200
Mtr. No.: ELB88492

BRADENHEAD

05/31/2024
35825-15840

Smpl Date: 05/22/2024
Test Date: 05/29/2024
Run No: HS20240110

Nitrogen: 1.1325
CO2: 0.0044
Methane: 85.1702
Ethane: 3.9932
Propane: 4.4666
I-Butane: 1.6468
N-Butane: 1.5724
I-Pentane: 0.5306
N-Pentane: 0.4374
Hexane+: 1.0459

BTU: 1249.3
GPM: 18.7780
SPG: 0.7178



Well Name: MCCORD B 1F; CSG

API #: 3004534200

Source: CASING

Sample Type: GAS

Analysis No: HS20240111

Cust No: 35825-15845

Well/Lease Information

Customer Name: HILCORP (BHD PROJECT)
 Well Name: MCCORD B 1F; CSG
 County/State: SAN JUAN NM
 Location:
 Lease/PA/CA: SF-07813
 Formation:
 Cust. Stn. No.: 3004534200
 ELB88492

Source: CASING
 Well Flowing: Y
 Pressure: 208 PSIG
 Flow Temp: DEG. F
 Ambient Temp: DEG. F
 Flow Rate: MCF/D
 Sample Method: Purge & Fill
 Sample Date: 05/22/2024
 Sample Time: 9.00 AM
 Sampled By: STEVE W.
 Sampled by (CO): HILCORP

Heat Trace: N
 AREA 2 / RUN 0206

Remarks:

Analysis

Component:	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.6836	0.6894	0.0750	0.00	0.0066
CO2	1.3193	1.3304	0.2260	0.00	0.0200
Methane	78.8266	79.4907	13.4100	796.15	0.4366
Ethane	10.0474	10.1321	2.6960	177.81	0.1043
Propane	5.0409	5.0834	1.3940	126.83	0.0767
Iso-Butane	0.8332	0.8402	0.2740	27.09	0.0167
N-Butane	1.6567	1.6707	0.5240	54.05	0.0332
I-Pentane	0.5556	0.5603	0.2040	22.23	0.0138
N-Pentane	0.5282	0.5327	0.1920	21.17	0.0132
Hexane Plus	0.5085	0.5128	0.2280	26.80	0.0168
Total	100.0000	100.8427	19.2230	1252.14	0.7381

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0037
 BTU/CU.FT IDEAL: 1255.0
 BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1259.7
 BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1237.8
 DRY BTU @ 15.025: 1284.9
 REAL SPECIFIC GRAVITY: 0.7406

CYLINDER #: 19020
 CYLINDER PRESSURE: 202 PSIG
 ANALYSIS DATE: 05/29/2024
 ANALYSIS TIME: 11:46:35 AM
 ANALYSIS RUN BY: ALEXIS MITCHELL

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: 05/31/2024

GC Method: C6+ Gas



HILCORP (BHD PROJECT)
WELL ANALYSIS COMPARISON

Lease:	MCCORD B 1F; CSG	CASING	05/31/2024
Stn. No.:	3004534200		35825-15845
Mtr. No.:	ELB88492		

Smpl Date: 05/22/2024
Test Date: 05/29/2024
Run No: HS20240111

Nitrogen: 0.6836
CO2: 1.3193
Methane: 78.8266
Ethane: 10.0474
Propane: 5.0409
I-Butane: 0.8332
N-Butane: 1.6567
I-Pentane: 0.5556
N-Pentane: 0.5282
Hexane+: 0.5085

BTU: 1259.7
GPM: 19.2230
SPG: 0.7406



Well Name: MCCORD B 1F; TBG

API #: 3004534200

Source: TUBING

Sample Type: GAS

Analysis No: HS20240112

Cust No: 35825-15850

Well/Lease Information

Customer Name: HILCORP (BHD PROJECT)
 Well Name: MCCORD B 1F; TBG
 County/State: SAN JUAN NM
 Location:
 Lease/PA/CA: SF-07813
 Formation:
 Cust. Stn. No.: 3004534200
 ELB88492

Source: TUBING
 Well Flowing: Y
 Pressure: 195 PSIG
 Flow Temp: DEG. F
 Ambient Temp: DEG. F
 Flow Rate: MCF/D
 Sample Method: Purge & Fill
 Sample Date: 05/22/2024
 Sample Time: 9.00 AM
 Sampled By: STEVE W.
 Sampled by (CO): HILCORP

AREA 2 / RUN 0206

Heat Trace: N

Remarks:

Analysis

Component:	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.6547	0.6601	0.0720	0.00	0.0063
CO2	1.2470	1.2573	0.2140	0.00	0.0189
Methane	79.8223	80.4822	13.5760	806.21	0.4421
Ethane	10.3552	10.4408	2.7780	183.26	0.1075
Propane	4.7423	4.7815	1.3110	119.32	0.0722
Iso-Butane	0.6776	0.6832	0.2220	22.03	0.0136
N-Butane	1.2948	1.3055	0.4100	42.24	0.0260
I-Pentane	0.3784	0.3815	0.1390	15.14	0.0094
N-Pentane	0.3448	0.3477	0.1250	13.82	0.0086
Hexane Plus	0.4829	0.4869	0.2160	25.45	0.0160
Total	100.0000	100.8267	19.0630	1227.47	0.7207

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0035
 BTU/CU.FT IDEAL: 1230.3
 BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1234.6
 BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1213.1
 DRY BTU @ 15.025: 1259.3
 REAL SPECIFIC GRAVITY: 0.7229

CYLINDER #: 1845
 CYLINDER PRESSURE: 206 PSIG
 ANALYSIS DATE: 05/29/2024
 ANALYSIS TIME: 11:31:18 AM
 ANALYSIS RUN BY: ALEXIS MITCHELL

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: 05/31/2024

GC Method: C6+ Gas



HILCORP (BHD PROJECT)
WELL ANALYSIS COMPARISON

Lease: MCCORD B 1F; TBG
Stn. No.: 3004534200
Mtr. No.: ELB88492

TUBING

05/31/2024
35825-15850

Smpl Date: 05/22/2024
Test Date: 05/29/2024
Run No: HS20240112

Nitrogen: 0.6547
CO2: 1.2470
Methane: 79.8223
Ethane: 10.3552
Propane: 4.7423
I-Butane: 0.6776
N-Butane: 1.2948
I-Pentane: 0.3784
N-Pentane: 0.3448
Hexane+: 0.4829

BTU: 1234.6
GPM: 19.0630
SPG: 0.7229

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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 352125

CONDITIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 352125
	Action Type: [UF-GA] Gas Analysis (GAS ANALYSIS)

CONDITIONS

Created By	Condition	Condition Date
mkuehling	BH = 80 Not same gas	8/27/2024