



Well Name: TURNER B COM K 17; BHD
 API #: 3004526620
 Source: BRADENHEAD
 Sample Type: GAS
 Analysis No: HS20240098
 Cust No: 35825-15800

Well/Lease Information

Customer Name: HILCORP (BHD PROJECT)
 Well Name: TURNER B COM K 17; BHD
 County/State: SAN JUAN NM
 Location:
 Lease/PA/CA: E-8441-1
 Formation: PC
 Cust. Stn. No.: 3004526620
 95678

Source: BRADENHEAD
 Well Flowing: N
 Pressure: 15 PSIG
 Flow Temp: DEG. F
 Ambient Temp: 65 DEG. F
 Flow Rate: MCF/D
 Sample Method: Purge & Fill
 Sample Date: 05/09/2024
 Sample Time: 11.17 AM
 Sampled By: SHAWN ERRETT
 Sampled by (CO): HILCORP

AREA 9 / RUN 0905

Heat Trace:

Remarks:

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.2390	0.2362	0.0260	0.00	0.0023
CO2	0.0556	0.0549	0.0100	0.00	0.0008
Methane	93.1029	91.9955	15.8180	940.34	0.5157
Ethane	4.8564	4.7986	1.3020	85.94	0.0504
Propane	1.1856	1.1715	0.3270	29.83	0.0181
Iso-Butane	0.3110	0.3073	0.1020	10.11	0.0062
N-Butane	0.0909	0.0898	0.0290	2.97	0.0018
I-Pentane	0.0451	0.0446	0.0170	1.80	0.0011
N-Pentane	0.0136	0.0134	0.0050	0.55	0.0003
Hexane Plus	0.0999	0.0987	0.0450	5.27	0.0033
Total	100.0000	98.8105	17.6810	1076.81	0.6002

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0024
 BTU/CU.FT IDEAL: 1079.3
 BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1081.9
 BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1063.1
 DRY BTU @ 15.025: 1103.6
 REAL SPECIFIC GRAVITY: 0.6014

CYLINDER #: 2141
 CYLINDER PRESSURE: 15 PSIG
 ANALYSIS DATE: 05/17/2024
 ANALYSIS TIME: 08:27:45 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: 05/22/2024

GC Method: C6+ Gas



HILCORP (BHD PROJECT)
WELL ANALYSIS COMPARISON

Lease:	TURNER B COM K 17; BHD	BRADENHEAD	05/22/2024
Stn. No.:	3004526620	PC	35825-15800
Mtr. No.:	95678		

Smpl Date: 05/09/2024
Test Date: 05/17/2024
Run No: HS20240098

Nitrogen: 0.2390
CO2: 0.0556
Methane: 93.1029
Ethane: 4.8564
Propane: 1.1856
I-Butane: 0.3110
N-Butane: 0.0909
I-Pentane: 0.0451
N-Pentane: 0.0136
Hexane+: 0.0999

BTU: 1081.9
GPM: 17.6810
SPG: 0.6014



Well Name: TURNER B COM K 17; CSG

API #: 3004526620

Source: CASING

Sample Type: GAS

Analysis No: HS20240099

Cust No: 35825-15805

Well/Lease Information

Customer Name: HILCORP (BHD PROJECT)
 Well Name: TURNER B COM K 17; CSG
 County/State: SAN JUAN NM
 Location:
 Lease/PA/CA: E-8441-1
 Formation: PC
 Cust. Stn. No.: 3004526620
 95678

Source: CASING
 Well Flowing: N
 Pressure: 50 PSIG
 Flow Temp: DEG. F
 Ambient Temp: 65 DEG. F
 Flow Rate: MCF/D
 Sample Method: Purge & Fill
 Sample Date: 05/09/2024
 Sample Time: 11.30 AM
 Sampled By: SHAWN ERRETT
 Sampled by (CO): HILCORP

AREA 9 / RUN 0905

Heat Trace:

Remarks:

Analysis

Component:	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.3325	0.3296	0.0370	0.00	0.0032
CO2	0.2082	0.2064	0.0360	0.00	0.0032
Methane	92.0204	91.2108	15.6350	929.41	0.5097
Ethane	5.0216	4.9774	1.3460	88.87	0.0521
Propane	1.5504	1.5368	0.4280	39.01	0.0236
Iso-Butane	0.3932	0.3897	0.1290	12.79	0.0079
N-Butane	0.2191	0.2172	0.0690	7.15	0.0044
I-Pentane	0.0979	0.0970	0.0360	3.92	0.0024
N-Pentane	0.0458	0.0454	0.0170	1.84	0.0011
Hexane Plus	0.1109	0.1099	0.0500	5.85	0.0037
Total	100.0000	99.1202	17.7830	1088.82	0.6114

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0025
 BTU/CU.FT IDEAL: 1091.3
 BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1094.1
 BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1075.1
 DRY BTU @ 15.025: 1116.0
 REAL SPECIFIC GRAVITY: 0.6126

CYLINDER #: 4094
 CYLINDER PRESSURE: 49 PSIG
 ANALYSIS DATE: 05/17/2024
 ANALYSIS TIME: 08:56:07 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: 05/22/2024

GC Method: C6+ Gas



HILCORP (BHD PROJECT)
WELL ANALYSIS COMPARISON

Lease: TURNER B COM K 17; CSG
Stn. No.: 3004526620
Mtr. No.: 95678

CASING
PC

05/22/2024
35825-15805

Smpl Date: 05/09/2024
Test Date: 05/17/2024
Run No: HS20240099

Nitrogen: 0.3325
CO2: 0.2082
Methane: 92.0204
Ethane: 5.0216
Propane: 1.5504
I-Butane: 0.3932
N-Butane: 0.2191
I-Pentane: 0.0979
N-Pentane: 0.0458
Hexane+: 0.1109

BTU: 1094.1
GPM: 17.7830
SPG: 0.6126



Well Name: TURNER B COM K 17; TBG

API #: 3004526620

Source: TUBING

Sample Type: GAS

Analysis No: HS20240100

Cust No: 35825-15810

Well/Lease Information

Customer Name: HILCORP (BHD PROJECT)
 Well Name: TURNER B COM K 17; TBG
 County/State: SAN JUAN NM
 Location:
 Lease/PA/CA: E-8441-1
 Formation: PC
 Cust. Stn. No.: 3004526620
 95678

Source: TUBING
 Well Flowing: N
 Pressure: 41 PSIG
 Flow Temp: DEG. F
 Ambient Temp: 65 DEG. F
 Flow Rate: MCF/D
 Sample Method: Purge & Fill
 Sample Date: 05/09/2024
 Sample Time: 11.25 AM
 Sampled By: SHAWN ERRETT
 Sampled by (CO): HILCORP

AREA 9 / RUN 0905

Heat Trace:

Remarks:

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.3386	0.3364	0.0370	0.00	0.0033
CO2	0.2053	0.2040	0.0350	0.00	0.0031
Methane	91.7535	91.1616	15.5900	926.71	0.5082
Ethane	5.1318	5.0987	1.3760	90.82	0.0533
Propane	1.6343	1.6238	0.4510	41.12	0.0249
Iso-Butane	0.4112	0.4085	0.1350	13.37	0.0083
N-Butane	0.2486	0.2470	0.0790	8.11	0.0050
I-Pentane	0.1055	0.1048	0.0390	4.22	0.0026
N-Pentane	0.0514	0.0511	0.0190	2.06	0.0013
Hexane Plus	0.1198	0.1190	0.0540	6.31	0.0040
Total	100.0000	99.3549	17.8150	1092.73	0.6139

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0025
 BTU/CU.FT IDEAL: 1095.3
 BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1098.0
 BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1078.9
 DRY BTU @ 15.025: 1120.0
 REAL SPECIFIC GRAVITY: 0.6152

CYLINDER #: 1919
 CYLINDER PRESSURE: 40 PSIG
 ANALYSIS DATE: 05/17/2024
 ANALYSIS TIME: 08:39:58 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: 05/22/2024

GC Method: C6+ Gas



HILCORP (BHD PROJECT)
WELL ANALYSIS COMPARISON

Lease: TURNER B COM K 17; TBG
Stn. No.: 3004526620
Mtr. No.: 95678

TUBING
PC

05/22/2024
35825-15810

Smpl Date: 05/09/2024
Test Date: 05/17/2024
Run No: HS20240100

Nitrogen: 0.3386
CO2: 0.2053
Methane: 91.7535
Ethane: 5.1318
Propane: 1.6343
I-Butane: 0.4112
N-Butane: 0.2486
I-Pentane: 0.1055
N-Pentane: 0.0514
Hexane+: 0.1198

BTU: 1098.0
GPM: 17.8150
SPG: 0.6152

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
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 347450

CONDITIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 347450
	Action Type: [UF-GA] Gas Analysis (GAS ANALYSIS)

CONDITIONS

Created By	Condition	Condition Date
mkuehling	same gas all strings	7/22/2024