Well Name: SAN JUAN 28-6 UNIT 138;
API #: 3003920044
Source: BRADENHEAD
Sample Type: GAS

Analysis No: HS20250034
Cust No: 35825-11350

## Well/Lease Information

| | | | |
|---|---|---|---|
| Customer Name: | HILCORP (BHD PROJECT) | Source: | BRADENHEAD |
| Well Name: | SAN JUAN 28-6 UNIT 138; BHD | Well Flowing: | N |
| County/State: | SAN JUAN NM | Pressure: | 33 PSIG |
| Location: | 23-028N-006W | Flow Temp: | DEG. F |
| Lease/PA/CA: | 138 | Ambient Temp: | 60 DEG. F |
| Formation: | DK | Flow Rate: | 0 MCF/D |
| Cust. Stn. No.: | 3003920044 | Sample Method: | Purge & Fill |
| | 86565-01 | Sample Date: | 04/25/2025 |
| | | Sample Time: | 9.30 AM |
| | AREA 13 / RUN 1304 | Sampled By: | ROBIN D. |
| Heat Trace: | N | Sampled by (CO): | HILCORP |
| Remarks: | | | |

## Analysis

| Component:: | Mole%: | Unormalized %: | **GPM: | *BTU: | *SP Gravity: |
|---|---|---|---|---|---|
| Nitrogen | 0.0816 | 0.0812 | 0.0090 | 0.00 | 0.0008 |
| CO2 | 1.3420 | 1.3356 | 0.2300 | 0.00 | 0.0204 |
| Methane | 92.4834 | 92.0402 | 15.7120 | 934.08 | 0.5123 |
| Ethane | 4.4141 | 4.3929 | 1.1830 | 78.12 | 0.0458 |
| Propane | 0.8880 | 0.8837 | 0.2450 | 22.34 | 0.0135 |
| Iso-Butane | 0.2667 | 0.2654 | 0.0870 | 8.67 | 0.0054 |
| N-Butane | 0.1937 | 0.1928 | 0.0610 | 6.32 | 0.0039 |
| I-Pentane | 0.1011 | 0.1006 | 0.0370 | 4.04 | 0.0025 |
| N-Pentane | 0.0321 | 0.0319 | 0.0120 | 1.29 | 0.0008 |
| Hexane Plus | 0.1973 | 0.1964 | 0.0880 | 10.40 | 0.0065 |
| Total | 100.0000 | 99.5207 | 17.6640 | 1065.27 | 0.6119 |

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY
**@ 14.730 PSIA & 60 DEG. F.

| | | | |
|---|---|---|---|
| COMPRESSIBLITY FACTOR (1/Z): | 1.0024 | CYLINDER #: | 220 |
| BTU/CU.FT IDEAL: | 1067.7 | CYLINDER PRESSURE: | 30 PSIG |
| BTU/CU.FT (DRY) CORRECTED FOR (1/Z): | 1070.3 | ANALYIS DATE: | 05/02/2025 |
| BTU/CU.FT (WET) CORRECTED FOR (1/Z): | 1051.7 | ANALYIS TIME: | 02:02:43 PM |
| DRY BTU @ 15.025: | 1091.7 | ANALYSIS RUN BY: | ALEXIS MITCHELL |
| REAL SPECIFIC GRAVITY: | 0.6131 | | |

**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: 05/07/2025**
**GC Method: C6+ Gas**

HILCORP (BHD PROJECT)

WELL ANALYSIS COMPARISON

| | | | |
|---|---|---|---|
| **Lease:** | SAN JUAN 28-6 UNIT 138; BHD | BRADENHEAD | 05/07/2025 |
| **Stn. No.:** | 3003920044 | DK | 35825-11350 |
| **Mtr. No.:** | 86565-01 | | |

| | | | |
|---|---|---|---|
| **Smpl Date:** | 04/25/2025 | 04/26/2022 | 05/23/2019 |
| **Test Date:** | 05/02/2025 | 04/30/2022 | 05/31/2019 |
| **Run No:** | HS20250034 | HS20220019 | HS190100 |
| **Nitrogen:** | 0.0816 | 0.3306 | 0.1089 |
| **CO2:** | 1.3420 | 1.1744 | 1.3778 |
| **Methane:** | 92.4834 | 94.0540 | 94.0373 |
| **Ethane:** | 4.4141 | 3.2959 | 3.2131 |
| **Propane:** | 0.8880 | 0.5768 | 0.6249 |
| **I-Butane:** | 0.2667 | 0.1578 | 0.1914 |
| **N-Butane:** | 0.1937 | 0.0870 | 0.1093 |
| **I-Pentane:** | 0.1011 | 0.0617 | 0.0804 |
| **N-Pentane:** | 0.0321 | 0.0234 | 0.0334 |
| **Hexane+:** | 0.1973 | 0.2384 | 0.2235 |
| **BTU:** | 1070.3 | 1051.6 | 1053.3 |
| **GPM:** | 17.6640 | 17.4740 | 17.4960 |
| **SPG:** | 0.6131 | 0.6011 | 0.6031 |

Well Name: SAN JUAN 28-6 UNIT 138;
API #: 3003920044
Source: CASING
Sample Type: GAS

Analysis No: HS20250035
Cust No: 35825-11355

## Well/Lease Information

| | | | |
|---|---|---|---|
| Customer Name: | HILCORP (BHD PROJECT) | Source: | CASING |
| Well Name: | SAN JUAN 28-6 UNIT 138; CSG | Well Flowing: | N |
| County/State: | SAN JUAN NM | Pressure: | 48 PSIG |
| Location: | 23-028N-006W | Flow Temp: | DEG. F |
| Lease/PA/CA: | 138 | Ambient Temp: | 60 DEG. F |
| Formation: | DK | Flow Rate: | 0 MCF/D |
| Cust. Stn. No.: | 3003920044 | Sample Method: | Purge & Fill |
| | 86565-01 | Sample Date: | 04/25/2025 |
| | | Sample Time: | 9.30 AM |
| | AREA 13 / RUN 1304 | Sampled By: | ROBIN D. |
| Heat Trace: | N | Sampled by (CO): | HILCORP |
| Remarks: | | | |

## Analysis

| Component:: | Mole%: | Unormalized %: | **GPM: | *BTU: | *SP Gravity: |
|---|---|---|---|---|---|
| Nitrogen | 0.1570 | 0.1565 | 0.0170 | 0.00 | 0.0015 |
| CO2 | 1.3363 | 1.3321 | 0.2290 | 0.00 | 0.0203 |
| Methane | 92.3680 | 92.0765 | 15.6930 | 932.92 | 0.5116 |
| Ethane | 4.4108 | 4.3969 | 1.1820 | 78.06 | 0.0458 |
| Propane | 0.8918 | 0.8890 | 0.2460 | 22.44 | 0.0136 |
| Iso-Butane | 0.2691 | 0.2683 | 0.0880 | 8.75 | 0.0054 |
| N-Butane | 0.1970 | 0.1964 | 0.0620 | 6.43 | 0.0040 |
| I-Pentane | 0.1048 | 0.1045 | 0.0380 | 4.19 | 0.0026 |
| N-Pentane | 0.0328 | 0.0327 | 0.0120 | 1.31 | 0.0008 |
| Hexane Plus | 0.2324 | 0.2317 | 0.1040 | 12.25 | 0.0077 |
| Total | 100.0000 | 99.6846 | 17.6710 | 1066.35 | 0.6133 |

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY
**@ 14.730 PSIA & 60 DEG. F.

| | | | |
|---|---|---|---|
| COMPRESSIBLITY FACTOR (1/Z): | 1.0024 | CYLINDER #: | 1074 |
| BTU/CU.FT IDEAL: | 1068.8 | CYLINDER PRESSURE: | 38 PSIG |
| BTU/CU.FT (DRY) CORRECTED FOR (1/Z): | 1071.4 | ANALYIS DATE: | 05/02/2025 |
| BTU/CU.FT (WET) CORRECTED FOR (1/Z): | 1052.8 | ANALYIS TIME: | 02:10:22 PM |
| DRY BTU @ 15.025: | 1092.9 | ANALYSIS RUN BY: | ALEXIS MITCHELL |
| REAL SPECIFIC GRAVITY: | 0.6145 | | |

**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: 05/07/2025**
**GC Method: C6+ Gas**

HILCORP (BHD PROJECT)

WELL ANALYSIS COMPARISON

| | | | |
|---|---|---|---|
| **Lease:** | SAN JUAN 28-6 UNIT 138; CSG | CASING | 05/07/2025 |
| **Stn. No.:** | 3003920044 | DK | 35825-11355 |
| **Mtr. No.:** | 86565-01 | | |

| | | | |
|---|---|---|---|
| **Smpl Date:** | 04/25/2025 | 04/26/2022 | 05/23/2019 |
| **Test Date:** | 05/02/2025 | 04/30/2022 | 05/31/2019 |
| **Run No:** | HS20250035 | HS20220020 | HS190101 |
| **Nitrogen:** | 0.1570 | 1.0938 | 12.4415 |
| **CO2:** | 1.3363 | 1.3133 | 1.2098 |
| **Methane:** | 92.3680 | 92.2747 | 82.2745 |
| **Ethane:** | 4.4108 | 3.8837 | 2.7762 |
| **Propane:** | 0.8918 | 0.7679 | 0.5396 |
| **I-Butane:** | 0.2691 | 0.2281 | 0.1741 |
| **N-Butane:** | 0.1970 | 0.1294 | 0.0964 |
| **I-Pentane:** | 0.1048 | 0.0899 | 0.0741 |
| **N-Pentane:** | 0.0328 | 0.0361 | 0.0305 |
| **Hexane+:** | 0.2324 | 0.1831 | 0.3833 |
| **BTU:** | 1071.4 | 1051.2 | 930.9 |
| **GPM:** | 17.6710 | 17.5180 | 16.7390 |
| **SPG:** | 0.6145 | 0.6112 | 0.6532 |

Well Name: SAN JUAN 28-6 UNIT 138;
API #: 3003920044
Source: TUBING
Sample Type: GAS

Analysis No: HS20250036
Cust No: 35825-11360

## Well/Lease Information

| | | | |
|---|---|---|---|
| Customer Name: | HILCORP (BHD PROJECT) | Source: | TUBING |
| Well Name: | SAN JUAN 28-6 UNIT 138; TBG | Well Flowing: | N |
| County/State: | SAN JUAN NM | Pressure: | 35 PSIG |
| Location: | 23-028N-006W | Flow Temp: | DEG. F |
| Lease/PA/CA: | 138 | Ambient Temp: | 60 DEG. F |
| Formation: | DK | Flow Rate: | 0 MCF/D |
| Cust. Stn. No.: | 3003920044 | Sample Method: | Purge & Fill |
| | 86565-01 | Sample Date: | 04/25/2025 |
| | | Sample Time: | 9.30 AM |
| | AREA 13 / RUN 1304 | Sampled By: | ROBIN D. |
| Heat Trace: | N | Sampled by (CO): | HILCORP |
| Remarks: | | | |

## Analysis

| Component:: | Mole%: | Unormalized %: | **GPM: | *BTU: | *SP Gravity: |
|---|---|---|---|---|---|
| Nitrogen | 0.1544 | 0.1539 | 0.0170 | 0.00 | 0.0015 |
| CO2 | 1.3361 | 1.3317 | 0.2290 | 0.00 | 0.0203 |
| Methane | 92.3998 | 92.0956 | 15.6980 | 933.24 | 0.5118 |
| Ethane | 4.4137 | 4.3992 | 1.1830 | 78.11 | 0.0458 |
| Propane | 0.8923 | 0.8894 | 0.2460 | 22.45 | 0.0136 |
| Iso-Butane | 0.2676 | 0.2667 | 0.0880 | 8.70 | 0.0054 |
| N-Butane | 0.1951 | 0.1945 | 0.0620 | 6.36 | 0.0039 |
| I-Pentane | 0.1009 | 0.1006 | 0.0370 | 4.04 | 0.0025 |
| N-Pentane | 0.0319 | 0.0318 | 0.0120 | 1.28 | 0.0008 |
| Hexane Plus | 0.2082 | 0.2075 | 0.0930 | 10.97 | 0.0069 |
| Total | 100.0000 | 99.6709 | 17.6650 | 1065.16 | 0.6125 |

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY
**@ 14.730 PSIA & 60 DEG. F.

| | | | |
|---|---|---|---|
| COMPRESSIBLITY FACTOR (1/Z): | 1.0024 | CYLINDER #: | 2062 |
| BTU/CU.FT IDEAL: | 1067.6 | CYLINDER PRESSURE: | 47 PSIG |
| BTU/CU.FT (DRY) CORRECTED FOR (1/Z): | 1070.2 | ANALYIS DATE: | 05/02/2025 |
| BTU/CU.FT (WET) CORRECTED FOR (1/Z): | 1051.6 | ANALYIS TIME: | 02:18:20 PM |
| DRY BTU @ 15.025: | 1091.6 | ANALYSIS RUN BY: | ALEXIS MITCHELL |
| REAL SPECIFIC GRAVITY: | 0.6137 | | |

**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: 05/07/2025**
**GC Method: C6+ Gas**

HILCORP (BHD PROJECT)

WELL ANALYSIS COMPARISON

| | | | |
|---|---|---|---|
| **Lease:** | SAN JUAN 28-6 UNIT 138; TBG | TUBING | 05/07/2025 |
| **Stn. No.:** | 3003920044 | DK | 35825-11360 |
| **Mtr. No.:** | 86565-01 | | |

| | | | |
|---|---|---|---|
| **Smpl Date:** | 04/25/2025 | 04/26/2022 | 05/23/2019 |
| **Test Date:** | 05/02/2025 | 04/30/2022 | 05/31/2019 |
| **Run No:** | HS20250036 | HS20220021 | HS190102 |
| **Nitrogen:** | 0.1544 | 0.5940 | 0.1063 |
| **CO2:** | 1.3361 | 1.3212 | 1.3678 |
| **Methane:** | 92.3998 | 92.7534 | 94.0967 |
| **Ethane:** | 4.4137 | 3.9267 | 3.2077 |
| **Propane:** | 0.8923 | 0.7743 | 0.6160 |
| **I-Butane:** | 0.2676 | 0.2301 | 0.1875 |
| **N-Butane:** | 0.1951 | 0.1304 | 0.1073 |
| **I-Pentane:** | 0.1009 | 0.0913 | 0.0817 |
| **N-Pentane:** | 0.0319 | 0.0354 | 0.0343 |
| **Hexane+:** | 0.2082 | 0.1432 | 0.1947 |
| **BTU:** | 1070.2 | 1055.0 | 1052.0 |
| **GPM:** | 17.6650 | 17.5400 | 17.4850 |
| **SPG:** | 0.6137 | 0.6084 | 0.6021 |

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

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



## CONDITIONS

| | |
|---|---|
| Operator:<br>HILCORP ENERGY COMPANY<br>1111 Travis Street<br>Houston, TX 77002 | OGRID:<br>372171 |
| | Action Number:<br>459986 |
| | Action Type:<br>[UF-GA] Gas Analysis (GAS ANALYSIS) |

**CONDITIONS**

| Created By | Condition | Condition Date |
|---|---|---|
| jagarcia | Accepted for record | 4/9/2026 |