



2030 Afton Place  
Farmington, NM 87401  
(505) 325-6622

Analysis No: DR180035  
Cust No: 21300-10165

### Well/Lease Information

Customer Name: D.J.R.  
Well Name: CENTRAL BISTI UNIT #69; BHD  
County/State: SAN JUAN NM  
Location:  
Field:  
Formation:  
Cust. Str. No.: API # 30-045-05424

Source: BRADENHEAD  
Well Flowing: N  
Pressure: 45 PSIG  
Flow Temp: DEG. F  
Ambient Temp: 90 DEG. F  
Flow Rate: MCF/D  
Sample Method: Purge & Fill  
Sample Date: 08/08/2018  
Sample Time: 12.35 PM  
Sampled By: JACOB HARTER  
Sampled by (CO): COTTONWOOD

Heat Trace: N  
Remarks:

### Analysis

| Component:: | Mole%:   | Unnormalized %: | **GPM:  | *BTU:  | *SP Gravity: |
|-------------|----------|-----------------|---------|--------|--------------|
| Nitrogen    | 2.6091   | 2.5316          | 0.2880  | 0.00   | 0.0252       |
| CO2         | 0.0234   | 0.0227          | 0.0040  | 0.00   | 0.0004       |
| Methane     | 96.3340  | 93.4710         | 16.3600 | 972.97 | 0.5336       |
| Ethane      | 0.8803   | 0.8541          | 0.2360  | 15.58  | 0.0091       |
| Propane     | 0.1088   | 0.1056          | 0.0300  | 2.74   | 0.0017       |
| Iso-Butane  | 0.0367   | 0.0356          | 0.0120  | 1.19   | 0.0007       |
| N-Butane    | 0.0047   | 0.0046          | 0.0010  | 0.15   | 0.0001       |
| I-Pentane   | 0.0030   | 0.0029          | 0.0010  | 0.12   | 0.0001       |
| N-Pentane   | 0.0000   | 0.0000          | 0.0000  | 0.00   | 0.0000       |
| Hexane Plus | 0.0000   | 0.0000          | 0.0000  | 0.00   | 0.0000       |
| Total       | 100.0000 | 97.0281         | 16.9320 | 992.76 | 0.5709       |

\* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

\*\*@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.002  
BTU/CU.FT IDEAL: 995.1  
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 997.0  
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 979.7  
DRY BTU @ 15.025: 1017.0  
REAL SPECIFIC GRAVITY: 0.5718

CYLINDER #: 4224  
CYLINDER PRESSURE: 44 PSIG  
ANALYSIS DATE: 08/13/2018  
ANALYSIS TIME: 04:42:07 PM  
ANALYSIS RUN BY: PATRICIA KING

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

GPA Standard: GPA-2261

GC: Danalyzer Model 500

GC Method: C6+ Gas

Last Cal/Verify: 08/17/2018

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DISTRICT III

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2030 Afton Place  
Farmington, NM 87401  
(505) 325-6622

Analysis No: DR180036  
Cust No: 21300-10170

### Well/Lease Information

Customer Name: D.J.R.  
Well Name: CENTRAL BISTI UNIT #69; CSG  
County/State: SAN JUAN NM  
Location:  
Field:  
Formation:  
Cust. Stn. No.: API # 30-045-05424

Source: CASING  
Well Flowing: N  
Pressure: 39 PSIG  
Flow Temp: DEG. F  
Ambient Temp: 90 DEG. F  
Flow Rate: MCF/D  
Sample Method: Purge & Fill  
Sample Date: 08/08/2018  
Sample Time: 12.30 PM  
Sampled By: JACOB HARTER  
Sampled by (CO): COTTONWOOD

Heat Trace: N  
Remarks:

### Analysis

| Component:: | Mole%:   | Unnormalized %: | **GPM:  | *BTU:  | *SP Gravity: |
|-------------|----------|-----------------|---------|--------|--------------|
| Nitrogen    | 2.3389   | 2.3371          | 0.2580  | 0.00   | 0.0226       |
| CO2         | 0.0366   | 0.0366          | 0.0060  | 0.00   | 0.0006       |
| Methane     | 96.4664  | 96.3928         | 16.3830 | 974.31 | 0.5343       |
| Ethane      | 0.9125   | 0.9118          | 0.2440  | 16.15  | 0.0095       |
| Propane     | 0.1348   | 0.1347          | 0.0370  | 3.39   | 0.0021       |
| Iso-Butane  | 0.0454   | 0.0454          | 0.0150  | 1.48   | 0.0009       |
| N-Butane    | 0.0143   | 0.0143          | 0.0050  | 0.47   | 0.0003       |
| I-Pentane   | 0.0072   | 0.0072          | 0.0030  | 0.29   | 0.0002       |
| N-Pentane   | 0.0040   | 0.0040          | 0.0010  | 0.16   | 0.0001       |
| Hexane Plus | 0.0399   | 0.0399          | 0.0180  | 2.10   | 0.0013       |
| Total       | 100.0000 | 99.9238         | 16.9700 | 998.35 | 0.5718       |

\* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

\*\*@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.002  
BTU/CU.FT IDEAL: 1000.7  
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1002.7  
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 985.3  
DRY BTU @ 15.025: 1022.8  
REAL SPECIFIC GRAVITY: 0.5727

CYLINDER #: 4156  
CYLINDER PRESSURE: 36 PSIG  
ANALYSIS DATE: 08/14/2018  
ANALYSIS TIME: 09:38:00 AM  
ANALYSIS RUN BY: RICHARD WILSON

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

GPA Standard: GPA-2261

GC: Danalyzer Model 500

GC Method: C6+ Gas

Last Cal/Verify: 08/17/2018

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DISTRICT III



2030 Afton Place  
Farmington, NM 87401  
(505) 325-6622

Analysis No: DR180037  
Cust No: 21300-10175

### Well/Lease Information

Customer Name: D.J.R.  
Well Name: CENTRAL BISTI UNIT #69; TBG  
County/State: SAN JUAN NM  
Location:  
Field:  
Formation:  
Cust. Stn. No.: API # 30-045-05424

Source: TUBING  
Well Flowing: N  
Pressure: 37 PSIG  
Flow Temp: DEG. F  
Ambient Temp: 90 DEG. F  
Flow Rate: MCF/D  
Sample Method: Purge & Fill  
Sample Date: 08/08/2018  
Sample Time: 12.25 PM  
Sampled By: JACOB HARTER  
Sampled by (CO): COTTONWOOD

Heat Trace: N  
Remarks:

### Analysis

| Component:: | Mole%:   | Unnormalized %: | **GPM:  | *BTU:   | *SP Gravity: |
|-------------|----------|-----------------|---------|---------|--------------|
| Nitrogen    | 2.0703   | 2.0441          | 0.2280  | 0.00    | 0.0200       |
| CO2         | 0.0156   | 0.0154          | 0.0030  | 0.00    | 0.0002       |
| Methane     | 96.6606  | 95.4387         | 16.4160 | 976.27  | 0.5354       |
| Ethane      | 0.9388   | 0.9269          | 0.2520  | 16.61   | 0.0097       |
| Propane     | 0.1478   | 0.1459          | 0.0410  | 3.72    | 0.0023       |
| Iso-Butane  | 0.0483   | 0.0477          | 0.0160  | 1.57    | 0.0010       |
| N-Butane    | 0.0163   | 0.0161          | 0.0050  | 0.53    | 0.0003       |
| I-Pentane   | 0.0151   | 0.0149          | 0.0060  | 0.60    | 0.0004       |
| N-Pentane   | 0.0072   | 0.0071          | 0.0030  | 0.29    | 0.0002       |
| Hexane Plus | 0.0800   | 0.0790          | 0.0360  | 4.22    | 0.0026       |
| Total       | 100.0000 | 98.7358         | 17.0060 | 1003.82 | 0.5722       |

\* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

\*\*@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.002  
BTU/CU.FT IDEAL: 1006.1  
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1008.2  
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 990.7  
DRY BTU @ 15.025: 1028.4  
REAL SPECIFIC GRAVITY: 0.5731

CYLINDER #: 4091  
CYLINDER PRESSURE: 30 PSIG  
ANALYSIS DATE: 08/13/2018  
ANALYSIS TIME: 04:33:43 PM  
ANALYSIS RUN BY: SHYANN ELLEDGE

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: 08/17/2018

GC Method: C6+ Gas

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