



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

Analysis No: FD180004
Cust No: 30150-10005

Well/Lease Information

Customer Name: FRITZ & DIGMAN
Well Name: DELLA GRIFFITH #1; CSG
County/State: LA PLATA CO
Location:
Field:
Formation: DK
Cust. Stn. No.:

Source: CASING
Well Flowing: Y
Pressure: 24 PSIG
Flow Temp: DEG. F
Ambient Temp: 45 DEG. F
Flow Rate: MCF/D
Sample Method: Purge & Fill
Sample Date: 12/11/2018
Sample Time: 3.30 PM
Sampled By: MIKE WAGONER
Sampled by (CO): WALSH

Heat Trace: N
Remarks: PRESSURED WITH HELIUM TO 30LBS.

Analysis

| Component:: | Mole%: | Unnormalized %: | **GPM: | *BTU: | *SP Gravity: |
|-------------|----------|-----------------|---------|---------|--------------|
| Nitrogen | 0.7035 | 0.2629 | 0.0780 | 0.00 | 0.0068 |
| CO2 | 1.3648 | 0.5100 | 0.2350 | 0.00 | 0.0207 |
| Methane | 50.0230 | 18.6930 | 8.5550 | 505.23 | 0.2771 |
| Ethane | 20.2798 | 7.5783 | 5.4720 | 358.89 | 0.2105 |
| Propane | 13.0312 | 4.8696 | 3.6220 | 327.88 | 0.1984 |
| Iso-Butane | 2.0351 | 0.7605 | 0.6720 | 66.18 | 0.0408 |
| N-Butane | 4.6089 | 1.7223 | 1.4660 | 150.36 | 0.0925 |
| I-Pentane | 1.4437 | 0.5395 | 0.5330 | 57.76 | 0.0360 |
| N-Pentane | 1.3565 | 0.5069 | 0.4960 | 54.38 | 0.0338 |
| Hexane Plus | 5.1535 | 1.9258 | 2.3190 | 271.64 | 0.1706 |
| Total | 100.0000 | 37.3688 | 23.4480 | 1792.32 | 1.0872 |

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0091
BTU/CU.FT IDEAL: 1796.5
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1813.0
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1781.5
DRY BTU @ 15.025: 1849.3
REAL SPECIFIC GRAVITY: 1.0968

CYLINDER #: 4236
CYLINDER PRESSURE: 0 PSIG
ANALYSIS DATE: 12/13/2018
ANALYSIS TIME: 11:10:31 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 Last Cal/Verify: 12/13/2018

GC Method: C6+ Gas



FRITZ & DIGMAN
WELL ANALYSIS COMPARISON

Lease: DELLA GRIFFITH #1; CSG
Stn. No.:
Mtr. No.:

CASING
DK

12/13/2018
30150-10005

| | | | |
|------------|------------|------------|------------|
| Smpl Date: | 12/11/2018 | 08/31/2018 | 10/03/2017 |
| Test Date: | 12/13/2018 | 09/10/2018 | 10/03/2017 |
| Run No: | FD180004 | FD180002 | FD170002 |
| Nitrogen: | 0.7035 | 96.7890 | 5.3293 |
| CO2: | 1.3648 | 0.4121 | 1.2005 |
| Methane: | 50.0230 | 0.3261 | 45.8303 |
| Ethane: | 20.2798 | 0.0000 | 17.0350 |
| Propane: | 13.0312 | 0.0000 | 13.3915 |
| I-Butane: | 2.0351 | 0.0000 | 2.3634 |
| N-Butane: | 4.6089 | 0.0000 | 5.5748 |
| I-Pentane: | 1.4437 | 0.0000 | 1.9054 |
| N-Pentane: | 1.3565 | 0.0000 | 2.0159 |
| Hexane+: | 5.1535 | 2.4728 | 5.3539 |
| BTU: | 1813.0 | 134.0 | 1820.5 |
| GPM: | 23.4480 | 11.8800 | 23.3660 |
| SPG: | 1.0968 | 1.0263 | 1.1489 |