



MMOCD
DEC 04 2019
DISTRICT 111

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

Analysis No: SO190096
Cust No: 15950-11590

Well/Lease Information

Customer Name: BP - SOUTH BHD PROJECT
Well Name: Gallegos Canyon Com G179; BHD
County/State: San Juan NM
Location:
Lease/PA/CA:
Formation:
Cust. Stn. No.: API# 3004507805

Source: Bradenhead
Well Flowing: N
Pressure: 180 PSIG
Flow Temp: DEG. F
Ambient Temp: 37 DEG. F
Flow Rate: MCF/D
Sample Method: Purge & Fill
Sample Date: 12/03/2019
Sample Time: 10.50 AM
Sampled By: Sean Casaus
Sampled by (CO): ABC

Heat Trace: N
Remarks:

Analysis

Component:	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.5204	0.5212	0.0570	0.00	0.0050
CO2	0.0000	0.0000	0.0000	0.00	0.0000
Methane	94.3268	94.4781	16.0240	952.70	0.5225
Ethane	4.0726	4.0791	1.0910	72.07	0.0423
Propane	0.7435	0.7447	0.2050	18.71	0.0113
Iso-Butane	0.0381	0.0382	0.0120	1.24	0.0008
N-Butane	0.0600	0.0601	0.0190	1.96	0.0012
I-Pentane	0.0407	0.0408	0.0150	1.63	0.0010
N-Pentane	0.0273	0.0273	0.0100	1.09	0.0007
Hexane Plus	0.1706	0.1709	0.0760	8.99	0.0056
Total	100.0000	100.1604	17.5090	1058.39	0.5904

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0023
BTU/CU.FT IDEAL: 1060.8
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1063.3
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1044.8
DRY BTU @ 15.025: 1084.6
REAL SPECIFIC GRAVITY: 0.5915

CYLINDER #: 5
CYLINDER PRESSURE: 158 PSIG
ANALYSIS DATE: 12/03/2019
ANALYSIS TIME: 03:23:45 PM
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: 12/04/2019

GC Method: C6+ Gas