



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

Analysis No: TC180003
Cust No: 73850-10010

Well/Lease Information

Customer Name: TACITUS LLC
Well Name: NAVAJO TRIBAL N #11
County/State: SAN JUAN NM
Location:
Field:
Formation: MISSISSIPPIAN
Cust. Stn. No.:

Source: TUBING
Well Flowing:
Pressure: 75 PSIG
Flow Temp: DEG. F
Ambient Temp: 98 DEG. F
Flow Rate: MCF/D
Sample Method: Purge & Fill
Sample Date: 06/26/2018
Sample Time: 5.45 PM
Sampled By: RUSS MCQUITTY
Sampled by (CO): TACITUS

Heat Trace: N
Remarks:

NMOC
DEC 19 2018
DISTRICT III

Analysis

Component:	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Helium	6.6881	7.0230	0.6800	0.00	0.0092
Nitrogen	91.6158	96.2030	10.0800	0.00	0.8861
CO2	0.1981	0.2080	0.0340	0.00	0.0030
Methane	1.1771	1.2360	0.2000	11.89	0.0065
Ethane	0.0381	0.0400	0.0100	0.67	0.0004
Propane	0.0514	0.0540	0.0140	1.29	0.0008
Iso-Butane	0.0238	0.0250	0.0080	0.77	0.0005
N-Butane	0.0448	0.0470	0.0140	1.46	0.0009
I-Pentane	0.0114	0.0120	0.0040	0.46	0.0003
N-Pentane	0.0257	0.0270	0.0090	1.03	0.0006
C6	0.0667	0.1320	0.0270	3.17	0.0020
C7	0.0406	N/R	0.0190	2.23	0.0014
C8	0.0128	N/R	0.0070	0.80	0.0005
C9P	0.0055	N/R	0.0030	0.39	0.0002
Total	100.0000	105.0070	11.109	24.18	0.9125

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0003
BTU/CU.FT IDEAL: 24.2
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 24.2
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 23.8
DRY BTU @ 15.025: 24.7
REAL SPECIFIC GRAVITY: 0.9124

CYLINDER #: 6081
CYLINDER PRESSURE: 70 PSIG
ANALYSIS DATE: 07/05/2018
ANALYSIS TIME: 04:04:15 AM
ANALYSIS RUN BY: DAWN BLASSINGAME

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

GPA Standard: GPA 2286-14

GC: SRI Instruments 8610 Last Cal/Verify: 10/18/2018

GC Method: C9+ Gas