



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

Analysis No: TC180009
Cust No: 73850-10020

Well/Lease Information

Customer Name: TACITUS LLC
Well Name: NAVAJO TRIBAL U #24
County/State: SAN JUAN NM
Location:
Field:
Formation: MISSISSIPPIAN
Cust. Stn. No.:

Source: TUBING
Well Flowing: Y
Pressure: 100 PSIG
Flow Temp: 50 DEG. F
Ambient Temp: 30 DEG. F
Flow Rate: MCF/D
Sample Method: Purge & Fill
Sample Date: 12/06/2018
Sample Time: 5.20 PM
Sampled By: R. MCQUITTY
Sampled by (CO): TACITUS

Heat Trace:
Remarks:

NMOCD
DEC 19 2018
DISTRICT III

Analysis

Component:	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Helium	7.0626	7.0980	0.7180	0.00	0.0098
Nitrogen	91.2767	91.7340	10.0440	0.00	0.8828
CO2	0.0269	0.0270	0.0050	0.00	0.0004
Methane	0.8458	0.8500	0.1430	8.54	0.0047
Ethane	0.0030	0.0030	0.0010	0.05	0.0000
Propane	0.0796	0.0800	0.0220	2.00	0.0012
Iso-Butane	0.0965	0.0970	0.0320	3.14	0.0019
N-Butane	0.2418	0.2430	0.0760	7.89	0.0049
I-Pentane	0.0836	0.0840	0.0310	3.34	0.0021
N-Pentane	0.0915	0.0920	0.0330	3.67	0.0023
C6	0.1244	0.1930	0.0510	5.91	0.0037
C7	0.0365	N/R	0.0170	2.01	0.0013
C8	0.0216	N/R	0.0110	1.35	0.0009
C9P	0.0095	N/R	0.0050	0.67	0.0004
Total	100.0000	100.5010	11.189	38.58	0.9163

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0004
BTU/CU.FT IDEAL: 38.7
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 38.7
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 38.0
DRY BTU @ 15.025: 39.5
REAL SPECIFIC GRAVITY: 0.9163

CYLINDER #: 6166
CYLINDER PRESSURE: 41 PSIG
ANALYSIS DATE: 12/10/2018
ANALYSIS TIME: 11:21:56 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: 12/10/2018

GC Method: C9+ Gas