



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

Analysis No: TC180010
Cust No: 73850-10000

Well/Lease Information

Customer Name: TACITUS LLC
Well Name: NAVAJO N #1
County/State: SAN JUAN NM
Location: 17-26N-18W
Field:
Formation: LOWER MISS
Cust. Stn. No.:

Source: METER RUN
Well Flowing: Y
Pressure: 250 PSIG
Flow Temp: 55 DEG. F
Ambient Temp: 34 DEG. F
Flow Rate: MCF/D
Sample Method: Purge & Fill
Sample Date: 12/06/2018
Sample Time: 4.10 PM
Sampled By: R. MCQUITTY
Sampled by (CO):

Heat Trace: N
Remarks: TUBING SAMPLE

NMOC
DEC 19 2018
DISTRICT III

Analysis

Component:	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Helium	6.6567	6.8310	0.6770	0.00	0.0092
Nitrogen	91.7881	94.1920	10.0990	0.00	0.8878
CO2	0.2417	0.2480	0.0410	0.00	0.0037
Methane	0.9979	1.0240	0.1690	10.08	0.0055
Ethane	0.0156	0.0160	0.0040	0.28	0.0002
Propane	0.0341	0.0350	0.0090	0.86	0.0005
Iso-Butane	0.0156	0.0160	0.0050	0.51	0.0003
N-Butane	0.0487	0.0500	0.0150	1.59	0.0010
I-Pentane	0.0029	0.0030	0.0010	0.12	0.0001
N-Pentane	0.0058	0.0060	0.0020	0.23	0.0001
C6	0.0796	0.1980	0.0330	3.79	0.0024
C7	0.0593	N/R	0.0270	3.26	0.0021
C8	0.0334	N/R	0.0170	2.09	0.0013
C9P	0.0206	N/R	0.0120	1.44	0.0009
Total	100.0000	102.6190	11.111	24.23	0.9150

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0003
BTU/CU.FT IDEAL: 24.3
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 24.3
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 23.9
DRY BTU @ 15.025: 24.8
REAL SPECIFIC GRAVITY: 0.9149

CYLINDER #: 7018
CYLINDER PRESSURE: 120 PSIG
ANALYSIS DATE: 12/10/2018
ANALYSIS TIME: 12:54:50 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