



Well Name: SAN JACINTO 9; BHD
 API #: 87698
 Source: BRADENHEAD
 Sample Type: GAS
 Analysis No: SR200191
 Cust No: 72550-11095

Well/Lease Information

Customer Name: SOUTHLAND ROYALTY
 Well Name: SAN JACINTO 9; BHD
 County/State: SAN JUAN NM
 Location:
 Lease/PA/CA: SF078716A
 Formation:
 Cust. Stn. No.: 87698

Source: BRADENHEAD
 Well Flowing: Y
 Pressure: 33 PSIG
 Flow Temp: 68 DEG. F
 Ambient Temp: 68 DEG. F
 Flow Rate: 6 MCF/D
 Sample Method: Purge & Fill
 Sample Date: 04/23/2020
 Sample Time: 9.53 AM
 Sampled By: JEFF HOWE
 Sampled by (CO): SOUTHLAND

Heat Trace: N
 Remarks:

Analysis

Component:	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.8700	0.8614	0.0960	0.00	0.0084
CO2	0.0678	0.0671	0.0120	0.00	0.0010
Methane	89.9407	89.0551	15.2830	908.40	0.4982
Ethane	5.5542	5.4995	1.4890	98.29	0.0577
Propane	2.1795	2.1580	0.6020	54.84	0.0332
Iso-Butane	0.4134	0.4093	0.1360	13.44	0.0083
N-Butane	0.4799	0.4752	0.1520	15.66	0.0096
I-Pentane	0.1775	0.1758	0.0650	7.10	0.0044
N-Pentane	0.0960	0.0951	0.0350	3.85	0.0024
Hexane Plus	0.2210	0.2188	0.0990	11.65	0.0073
Total	100.0000	99.0153	17.9690	1113.23	0.6305

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

** @ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0026
 BTU/CU.FT IDEAL: 1115.8
 BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1118.7
 BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1099.2
 DRY BTU @ 15.025: 1141.1
 REAL SPECIFIC GRAVITY: 0.6319

CYLINDER #: 7016
 CYLINDER PRESSURE: 20 PSIG
 ANALYSIS DATE: 04/27/2020
 ANALYSIS TIME: 03:15:56 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

GC Method: C6+ Gas

Last Cal/Verify: 04/29/2020



SOUTHLAND ROYALTY
WELL ANALYSIS COMPARISON

Lease: SAN JACINTO 9; BHD
Stn. No.: 87698
Mtr. No.:

BRADENHEAD

04/29/2020
72550-11095

Smpl Date: 04/23/2020
Test Date: 04/27/2020
Run No: SR200191

Nitrogen: 0.8700
CO2: 0.0678
Methane: 89.9407
Ethane: 5.5542
Propane: 2.1795
I-Butane: 0.4134
N-Butane: 0.4799
I-Pentane: 0.1775
N-Pentane: 0.0960
Hexane+: 0.2210

BTU: 1118.7
GPM: 17.9690
SPG: 0.6319