



OCD Received 10/28/2020

Well Name: W D HEATH B 1A ; BHD
 API #: API # 300452268200
 Source: BRADENHEAD
 Sample Type: GAS
 Analysis No: SO200228
 Cust No: 15950-12500

Well/Lease Information

Customer Name: BP - SOUTH BHD PROJECT
 Well Name: W D HEATH B 1A ; BHD
 County/State: SAN JUAN NM
 Location:
 Lease/PA/CA:
 Formation:
 Cust. Stn. No.: API # 300452268200
 89888

Source: BRADENHEAD
 Well Flowing: N
 Pressure: 112 PSIG
 Flow Temp: DEG. F
 Ambient Temp: 87 DEG. F
 Flow Rate: MCF/D
 Sample Method: Purge & Fill
 Sample Date: 09/23/2020
 Sample Time: 2.22 PM
 Sampled By: ERIK SHAW
 Sampled by (CO): ABC

Heat Trace: N
 Remarks:

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.2287	0.2230	0.0250	0.00	0.0022
CO2	0.1596	0.1556	0.0270	0.00	0.0024
Methane	85.1401	83.0279	14.4760	859.91	0.4716
Ethane	8.1279	7.9263	2.1800	143.84	0.0844
Propane	3.6807	3.5894	1.0170	92.61	0.0560
Iso-Butane	0.5019	0.4894	0.1650	16.32	0.0101
N-Butane	0.8684	0.8469	0.2750	28.33	0.0174
I-Pentane	0.2483	0.2421	0.0910	9.93	0.0062
N-Pentane	0.1981	0.1932	0.0720	7.94	0.0049
Hexane Plus	0.8463	0.8253	0.3790	44.61	0.0280
Total	100.0000	97.5191	18.7070	1203.50	0.6833

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0032
 BTU/CU.FT IDEAL: 1206.3
 BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1210.2
 BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1189.1
 DRY BTU @ 15.025: 1234.4
 REAL SPECIFIC GRAVITY: 0.6852

CYLINDER #: 26
 CYLINDER PRESSURE: 103 PSIG
 ANALYSIS DATE: 10/02/2020
 ANALYSIS TIME: 03:15:16 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: 10/08/2020

GC Method: C6+ Gas



BP - SOUTH BHD PROJECT
WELL ANALYSIS COMPARISON

Lease: W D HEATH B 1A ; BHD
Stn. No.: API #
Mtr. No.: 89888

BRADENHEAD

10/08/2020
15950-12500

Smpl Date: 09/23/2020
Test Date: 10/02/2020
Run No: SO200228

Nitrogen: 0.2287
CO2: 0.1596
Methane: 85.1401
Ethane: 8.1279
Propane: 3.6807
I-Butane: 0.5019
N-Butane: 0.8684
I-Pentane: 0.2483
N-Pentane: 0.1981
Hexane+: 0.8463

BTU: 1210.2
GPM: 18.7070
SPG: 0.6852