



Well Name: FEDERAL 01-02 #2; BHD

API #: 067-09066

Source: BRADENHEAD

Sample Type: GAS

Analysis No: NB20220071

Cust No: 69250-13895

Well/Lease Information

Customer Name: SIMCOE NORTH BHD
Well Name: FEDERAL 01-02 #2; BHD
County/State: LA PLATA CO
Location:
Lease/PA/CA: FEE / COC 53573
Formation:
Cust. Stn. No.: 067-09066

Source: BRADENHEAD
Well Flowing: Y
Pressure: 30.8 PSIG
Flow Temp: DEG. F
Ambient Temp: 69 DEG. F
Flow Rate: MCF/D
Sample Method: Purge & Fill
Sample Date: 08/16/2022
Sample Time: 8.45 AM
Sampled By: HEATHER
Sampled by (CO): ABC

Heat Trace: N

Remarks:

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	1.1109	1.1141	0.1220	0.00	0.0107
CO2	0.0527	0.0528	0.0090	0.00	0.0008
Methane	94.1683	94.4366	15.9970	951.10	0.5216
Ethane	3.2706	3.2799	0.8760	57.88	0.0340
Propane	0.6089	0.6106	0.1680	15.32	0.0093
Iso-Butane	0.3604	0.3614	0.1180	11.72	0.0072
N-Butane	0.1743	0.1748	0.0550	5.69	0.0035
I-Pentane	0.1134	0.1137	0.0420	4.54	0.0028
N-Pentane	0.0334	0.0335	0.0120	1.34	0.0008
Hexane Plus	0.1071	0.1074	0.0480	5.65	0.0035
Total	100.0000	100.2848	17.4470	1053.23	0.5943

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0023
BTU/CU.FT IDEAL: 1055.7
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1058.1
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1039.7
DRY BTU @ 15.025: 1079.3
REAL SPECIFIC GRAVITY: 0.5954

CYLINDER #: 1080
CYLINDER PRESSURE: 32 PSIG
ANALYSIS DATE: 08/17/2022
ANALYSIS TIME: 10:30:46 AM
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: 08/17/2022

GC Method: C6+ Gas



SIMCOE NORTH BHD
WELL ANALYSIS COMPARISON

Lease: FEDERAL 01-02 #2; BHD
Stn. No.: 067-09066
Mtr. No.:

BRADENHEAD

08/17/2022
69250-13895

Smpl Date:	08/16/2022	07/27/2021
Test Date:	08/17/2022	08/04/2021
Run No:	NB20220071	NB2021112
Nitrogen:	1.1109	1.1572
CO2:	0.0527	0.0051
Methane:	94.1683	93.7553
Ethane:	3.2706	3.5298
Propane:	0.6089	0.6821
I-Butane:	0.3604	0.4046
N-Butane:	0.1743	0.1956
I-Pentane:	0.1134	0.1226
N-Pentane:	0.0334	0.0311
Hexane+:	0.1071	0.1166
BTU:	1058.1	1063.3
GPM:	17.4470	17.4930
SPG:	0.5954	0.5985