



Well Name: FEDERAL 01-02 #2; CSG

API #: 067-09066

Source: CASING

Sample Type: GAS

Analysis No: NB20220072

Cust No: 69250-13900

Well/Lease Information

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

Source: CASING
Well Flowing: Y
Pressure: PSIG
Flow Temp: DEG. F
Ambient Temp: DEG. F
Flow Rate: MCF/D
Sample Method: Purge & Fill
Sample Date: 08/12/2022
Sample Time: 10.30 AM
Sampled By: HEATHER
Sampled by (CO): ABC

Heat Trace:

Remarks:

Analysis

Component:	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.0713	0.0703	0.0080	0.00	0.0007
CO2	2.1919	2.1609	0.3750	0.00	0.0333
Methane	97.6502	96.2705	16.5840	986.27	0.5409
Ethane	0.0842	0.0830	0.0230	1.49	0.0009
Propane	0.0017	0.0017	0.0000	0.04	0.0000
Iso-Butane	0.0007	0.0007	0.0000	0.02	0.0000
N-Butane	0.0000	0.0000	0.0000	0.00	0.0000
I-Pentane	0.0000	0.0000	0.0000	0.00	0.0000
N-Pentane	0.0000	0.0000	0.0000	0.00	0.0000
Hexane Plus	0.0000	0.0000	0.0000	0.00	0.0000
Total	100.0000	98.5871	16.9900	987.82	0.5758

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.002
BTU/CU.FT IDEAL: 990.1
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 992.1
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 974.8
DRY BTU @ 15.025: 1012.0
REAL SPECIFIC GRAVITY: 0.5767

CYLINDER #: 1094
CYLINDER PRESSURE: 35 PSIG
ANALYSIS DATE: 08/15/2022
ANALYSIS TIME: 04:32:44 PM
ANALYSIS RUN BY: ALEXIS MITCHELL

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; CSG
Stn. No.: 067-09066
Mtr. No.:

CASING

08/17/2022
69250-13900

Smpl Date:	08/12/2022	07/27/2021
Test Date:	08/15/2022	08/04/2021
Run No:	NB20220072	NB2021113
Nitrogen:	0.0713	0.0439
CO2:	2.1919	0.3737
Methane:	97.6502	99.4120
Ethane:	0.0842	0.1021
Propane:	0.0017	0.0101
I-Butane:	0.0007	0.0051
N-Butane:	0.0000	0.0023
I-Pentane:	0.0000	0.0000
N-Pentane:	0.0000	0.0000
Hexane+:	0.0000	0.0508
BTU:	992.1	1013.4
GPM:	16.9900	17.0080
SPG:	0.5767	0.5607