



NMOCD REC'D
10/12/20

Well Name: NYE GC 1; CSG
API #: API #300450856400
Source: CASING
Sample Type: GAS
Analysis No: SO200179
Cust No: 15950-12255

Well/Lease Information

Customer Name: BP - SOUTH BHD PROJECT
Well Name: NYE GC 1; CSG
County/State: NM
Location:
Lease/PA/CA:
Formation:
Cust. Stn. No.: API #300450856400
70911

Source: CASING
Well Flowing: Y
Pressure: 89 PSIG
Flow Temp: DEG. F
Ambient Temp: 51 DEG. F
Flow Rate: MCF/D
Sample Method: Purge & Fill
Sample Date: 09/23/2020
Sample Time: 9.45 AM
Sampled By: SEAN C.
Sampled by (CO): ABC

Heat Trace: N
Remarks:

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.3450	0.3430	0.0380	0.00	0.0033
CO2	0.0019	0.0019	0.0000	0.00	0.0000
Methane	84.2636	83.7729	14.3320	851.06	0.4667
Ethane	7.5079	7.4642	2.0140	132.87	0.0779
Propane	4.0259	4.0025	1.1130	101.30	0.0613
Iso-Butane	0.7122	0.7081	0.2340	23.16	0.0143
N-Butane	1.1725	1.1657	0.3710	38.25	0.0235
I-Pentane	0.4515	0.4489	0.1660	18.06	0.0112
N-Pentane	0.3772	0.3750	0.1370	15.12	0.0094
Hexane Plus	1.1423	1.1356	0.5110	60.21	0.0378
Total	100.0000	99.4178	18.9160	1240.03	0.7056

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0035
BTU/CU.FT IDEAL: 1242.9
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1247.3
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1225.6
DRY BTU @ 15.025: 1272.3
REAL SPECIFIC GRAVITY: 0.7078

CYLINDER #: 047
CYLINDER PRESSURE: 86 PSIG
ANALYSIS DATE: 09/30/2020
ANALYSIS TIME: 01:24:40 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: 10/06/2020

GC Method: C6+ Gas



BP - SOUTH BHD PROJECT
WELL ANALYSIS COMPARISON

Lease: NYE GC 1; CSG
Stn. No.: API
Mtr. No.: 70911

CASING

10/06/2020
15950-12255

Smpl Date: 09/23/2020
Test Date: 09/30/2020
Run No: SO200179

Nitrogen: 0.3450
CO2: 0.0019
Methane: 84.2636
Ethane: 7.5079
Propane: 4.0259
I-Butane: 0.7122
N-Butane: 1.1725
I-Pentane: 0.4515
N-Pentane: 0.3772
Hexane+: 1.1423

BTU: 1247.3
GPM: 18.9160
SPG: 0.7078



NMOCD REC'D
10/12/20

Well Name: NYE GC 1 ; TBG
API #: API #300450856400
Source: TUBING
Sample Type: GAS
Analysis No: SO200180
Cust No: 15950-12260

Well/Lease Information

Customer Name: BP - SOUTH BHD PROJECT
Well Name: NYE GC 1 ; TBG
County/State: NM
Location:
Lease/PA/CA:
Formation:
Cust. Stn. No.: API #300450856400
70911

Source: TUBING
Well Flowing: Y
Pressure: 85 PSIG
Flow Temp: DEG. F
Ambient Temp: 51 DEG. F
Flow Rate: MCF/D
Sample Method: Purge & Fill
Sample Date: 09/23/2020
Sample Time: 9.50 AM
Sampled By: SEAN C.
Sampled by (CO): ABC

Heat Trace: N
Remarks:

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.3565	0.3534	0.0390	0.00	0.0034
CO2	0.8874	0.8798	0.1520	0.00	0.0135
Methane	76.1337	75.4781	12.9570	768.95	0.4217
Ethane	11.7226	11.6216	3.1470	207.45	0.1217
Propane	6.2362	6.1825	1.7250	156.91	0.0949
Iso-Butane	0.8926	0.8849	0.2930	29.03	0.0179
N-Butane	1.8131	1.7975	0.5740	59.15	0.0364
I-Pentane	0.5286	0.5240	0.1940	21.15	0.0132
N-Pentane	0.4469	0.4431	0.1630	17.91	0.0111
Hexane Plus	0.9824	0.9739	0.4400	51.78	0.0325
Total	100.0000	99.1388	19.6840	1312.34	0.7664

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0041
BTU/CU.FT IDEAL: 1315.4
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1320.8
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1297.8
DRY BTU @ 15.025: 1347.3
REAL SPECIFIC GRAVITY: 0.7692

CYLINDER #: 77
CYLINDER PRESSURE: 80 PSIG
ANALYSIS DATE: 09/30/2020
ANALYSIS TIME: 12:39:48 AM
ANALYSIS RUN BY: SHYANN ELLEDGE

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: 10/06/2020

GC Method: C6+ Gas



BP - SOUTH BHD PROJECT
WELL ANALYSIS COMPARISON

Lease:	NYE GC 1 ; TBG	TUBING	10/06/2020
Stn. No.:	API		15950-12260
Mtr. No.:	70911		

Smpl Date: 09/23/2020
Test Date: 09/30/2020
Run No: SO200180

Nitrogen: 0.3565
CO2: 0.8874
Methane: 76.1337
Ethane: 11.7226
Propane: 6.2362
I-Butane: 0.8926
N-Butane: 1.8131
I-Pentane: 0.5286
N-Pentane: 0.4469
Hexane+: 0.9824

BTU: 1320.8
GPM: 19.6840
SPG: 0.7692



NMOCD REC'D
10/12/20

Well Name: NYE GC1 ; BHD
API #: API #300450856400
Source: BRADENHEAD
Sample Type: GAS
Analysis No: SO200178
Cust No: 15950-12250

Well/Lease Information

Customer Name: BP - SOUTH BHD PROJECT
Well Name: NYE GC1 ; BHD
County/State: NM
Location:
Lease/PA/CA:
Formation:
Cust. Stn. No.: API #300450856400
70911

Source: BRADENHEAD
Well Flowing:
Pressure: 37 PSIG
Flow Temp: DEG. F
Ambient Temp: 51 DEG. F
Flow Rate: MCF/D
Sample Method: Purge & Fill
Sample Date: 09/23/2020
Sample Time: 9.40 AM
Sampled By: SEAN C.
Sampled by (CO): ABC

Heat Trace: N
Remarks:

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	36.0261	1.0208	4.0390	0.00	0.3484
CO2	0.4553	0.0129	0.0790	0.00	0.0069
Methane	21.1893	0.6004	3.6600	214.01	0.1174
Ethane	2.0963	0.0594	0.5710	37.10	0.0218
Propane	3.4833	0.0987	0.9780	87.64	0.0530
Iso-Butane	1.8211	0.0516	0.6070	59.22	0.0365
N-Butane	1.6376	0.0464	0.5260	53.42	0.0329
I-Pentane	2.8692	0.0813	1.0690	114.79	0.0715
N-Pentane	2.1352	0.0605	0.7890	85.59	0.0532
Hexane Plus	28.2866	0.8015	12.8540	1491.01	0.9362
Total	100.0000	2.8335	25.1720	2142.79	1.6778

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0192
BTU/CU.FT IDEAL: 2147.7
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 2188.9
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 2150.8
DRY BTU @ 15.025: 2232.7
REAL SPECIFIC GRAVITY: 1.7092

CYLINDER #: 068
CYLINDER PRESSURE: 21 PSIG
ANALYSIS DATE: 09/30/2020
ANALYSIS TIME: 12:56:12 AM
ANALYSIS RUN BY: SHYANN ELLEDGE

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: 10/06/2020

GC Method: C6+ Gas



BP - SOUTH BHD PROJECT
WELL ANALYSIS COMPARISON

Lease: NYE GC1 ; BHD
Stn. No.: API
Mtr. No.: 70911

BRADENHEAD

10/06/2020
15950-12250

Smpl Date: 09/23/2020
Test Date: 09/30/2020
Run No: SO200178

Nitrogen: 36.0261
CO2: 0.4553
Methane: 21.1893
Ethane: 2.0963
Propane: 3.4833
I-Butane: 1.8211
N-Butane: 1.6376
I-Pentane: 2.8692
N-Pentane: 2.1352
Hexane+: 28.2866

BTU: 2188.9
GPM: 25.1720
SPG: 1.7092