



NMOCD REC'D
10/12/20

Well Name: SELLERS FED LS 2M; CSG
API #: API #300452908000
Source: CASING
Sample Type: GAS
Analysis No: SO200096
Cust No: 15950-11860

Well/Lease Information

Customer Name: BP - SOUTH BHD PROJECT
Well Name: SELLERS FED LS 2M; CSG
County/State: SAN JUAN NM
Location:
Lease/PA/CA:
Formation:
Cust. Stn. No.: API #300452908000

Source: CASING
Well Flowing: Y
Pressure: 19 PSIA
Flow Temp: DEG. F
Ambient Temp: 70 DEG. F
Flow Rate: MCF/D
Sample Method:
Sample Date: 07/30/2020
Sample Time: 7.47 AM
Sampled By: JASON M.
Sampled by (CO): ABC

Heat Trace:

Remarks:

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.6043	0.5905	0.0670	0.00	0.0058
CO2	1.0749	1.0504	0.1840	0.00	0.0163
Methane	82.0389	80.1689	13.9530	828.59	0.4544
Ethane	8.9823	8.7776	2.4100	158.96	0.0933
Propane	3.9728	3.8822	1.0980	99.96	0.0605
Iso-Butane	0.7387	0.7219	0.2430	24.02	0.0148
N-Butane	1.0053	0.9824	0.3180	32.80	0.0202
I-Pentane	0.3562	0.3481	0.1310	14.25	0.0089
N-Pentane	0.2732	0.2670	0.0990	10.95	0.0068
Hexane Plus	0.9534	0.9317	0.4270	50.25	0.0316
Total	100.0000	97.7207	18.9300	1219.79	0.7126

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0035
BTU/CU.FT IDEAL: 1222.6
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1226.8
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1205.5
DRY BTU @ 15.025: 1251.4
REAL SPECIFIC GRAVITY: 0.7147

CYLINDER #: 1072
CYLINDER PRESSURE: 24 PSIG
ANALYSIS DATE: 08/04/2020
ANALYSIS TIME: 04:06:30 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: 08/06/2020

GC Method: C6+ Gas



BP - SOUTH BHD PROJECT
WELL ANALYSIS COMPARISON

Lease: SELLERS FED LS 2M; CSG
Stn. No.: API
Mtr. No.:

CASING

08/06/2020
15950-11860

Smpl Date: 07/30/2020
Test Date: 08/04/2020
Run No: SO200096

Nitrogen: 0.6043
CO2: 1.0749
Methane: 82.0389
Ethane: 8.9823
Propane: 3.9728
I-Butane: 0.7387
N-Butane: 1.0053
I-Pentane: 0.3562
N-Pentane: 0.2732
Hexane+: 0.9534

BTU: 1226.8
GPM: 18.9300
SPG: 0.7147



NMOCD REC'D
10/12/20

2030 Afton Place
Farmington, NM 87401
(505) 325-6622
GAS

Analysis No: SO200097
Cust No: 15950-11865

Well/Lease Information

Customer Name: BP - SOUTH BHD PROJECT
Well Name: SELLERS FED LS 2M; INTER
County/State: SAN JUAN NM
Location:
Lease/PA/CA:
Formation:
Cust. Stn. No.: API #300452908000

Source: INTERMEDIATE
Well Flowing: Y
Pressure: 24.1 PSIG
Flow Temp: DEG. F
Ambient Temp: 70 DEG. F
Flow Rate: MCF/D
Sample Method:
Sample Date: 07/30/2020
Sample Time: 7.47 AM
Sampled By: JASON M.
Sampled by (CO): ABC

Heat Trace:

Remarks: PRESSURED WITH HELIUM TO 30 LBS.

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	5.8460	0.8259	0.6450	0.00	0.0565
CO2	0.0212	0.0030	0.0040	0.00	0.0003
Methane	85.9416	12.1414	14.6020	868.01	0.4760
Ethane	4.9365	0.6974	1.3230	87.36	0.0513
Propane	1.6875	0.2384	0.4660	42.46	0.0257
Iso-Butane	0.3044	0.0430	0.1000	9.90	0.0061
N-Butane	0.1996	0.0282	0.0630	6.51	0.0040
I-Pentane	0.1246	0.0176	0.0460	4.99	0.0031
N-Pentane	0.1140	0.0161	0.0410	4.57	0.0028
Hexane Plus	0.8246	0.1165	0.3690	43.47	0.0273
Total	100.0000	14.1275	17.6590	1067.26	0.6532

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0025
BTU/CU.FT IDEAL: 1069.7
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1072.4
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1053.7
DRY BTU @ 15.025: 1093.9
REAL SPECIFIC GRAVITY: 0.6546

CYLINDER #: 0032
CYLINDER PRESSURE: 8 PSIG
ANALYSIS DATE: 08/04/2020
ANALYSIS TIME: 04:20:24 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: 08/06/2020

GC Method: C6+ Gas



BP - SOUTH BHD PROJECT
WELL ANALYSIS COMPARISON

Lease: SELLERS FED LS 2M; INTER
Stn. No.: API
Mtr. No.:

INTERMEDIATE

08/06/2020
15950-11865

Smpl Date: 07/30/2020
Test Date: 08/04/2020
Run No: SO200097

Nitrogen: 5.8460
CO2: 0.0212
Methane: 85.9416
Ethane: 4.9365
Propane: 1.6875
I-Butane: 0.3044
N-Butane: 0.1996
I-Pentane: 0.1246
N-Pentane: 0.1140
Hexane+: 0.8246

BTU: 1072.4
GPM: 17.6590
SPG: 0.6546



NMOCD REC'D
10/12/20

Well Name: SELLERS FED LS 2M; TBG
API #: API #300452908000
Source: TUBING
Sample Type: GAS
Analysis No: SO200098
Cust No: 15950-11870

Well/Lease Information

Customer Name: BP - SOUTH BHD PROJECT
Well Name: SELLERS FED LS 2M; TBG
County/State: SAN JUAN NM
Location:
Lease/PA/CA:
Formation:
Cust. Stn. No.: API #300452908000

Source: TUBING
Well Flowing: Y
Pressure: 18.1 PSIG
Flow Temp: DEG. F
Ambient Temp: 70 DEG. F
Flow Rate: MCF/D
Sample Method:
Sample Date: 07/30/2020
Sample Time: 7.47 AM
Sampled By: JASON M.
Sampled by (CO): ABC

Heat Trace:

Remarks:

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.2541	0.2468	0.0280	0.00	0.0025
CO2	1.0974	1.0659	0.1880	0.00	0.0167
Methane	82.3207	79.9542	14.0010	831.44	0.4560
Ethane	9.0407	8.7808	2.4260	159.99	0.0939
Propane	4.0220	3.9064	1.1120	101.20	0.0612
Iso-Butane	0.7232	0.7024	0.2370	23.52	0.0145
N-Butane	0.9952	0.9666	0.3150	32.47	0.0200
I-Pentane	0.3676	0.3570	0.1350	14.71	0.0092
N-Pentane	0.2846	0.2764	0.1030	11.41	0.0071
Hexane Plus	0.8945	0.8688	0.4000	47.15	0.0296
Total	100.0000	97.1253	18.9450	1221.88	0.7105

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0035
BTU/CU.FT IDEAL: 1224.7
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1228.9
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1207.5
DRY BTU @ 15.025: 1253.5
REAL SPECIFIC GRAVITY: 0.7127

CYLINDER #: 2138
CYLINDER PRESSURE: 18 PSIG
ANALYSIS DATE: 08/04/2020
ANALYSIS TIME: 04:13:18 AM
ANALYSIS RUN BY: PATRICIA KING

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: 08/06/2020

GC Method: C6+ Gas



BP - SOUTH BHD PROJECT
WELL ANALYSIS COMPARISON

Lease: SELLERS FED LS 2M; TBG
Stn. No.: API
Mtr. No.:

TUBING

08/06/2020
15950-11870

Smpl Date: 07/30/2020
Test Date: 08/04/2020
Run No: SO200098

Nitrogen: 0.2541
CO2: 1.0974
Methane: 82.3207
Ethane: 9.0407
Propane: 4.0220
I-Butane: 0.7232
N-Butane: 0.9952
I-Pentane: 0.3676
N-Pentane: 0.2846
Hexane+: 0.8945

BTU: 1228.9
GPM: 18.9450
SPG: 0.7127