



OCD Received 10/28/2020

Well Name: SCHNEIDER GC C1 ; TBG
 API #: API # 300452588300
 Source: TUBING
 Sample Type: GAS
 Analysis No: SO200225
 Cust No: 15950-12485

Well/Lease Information

Customer Name: BP - SOUTH BHD PROJECT
 Well Name: SCHNEIDER GC C1 ; TBG
 County/State: NM
 Location:
 Lease/PA/CA:
 Formation:
 Cust. Stn. No.: API # 300452588300
 95758

Source: TUBING
 Well Flowing: Y
 Pressure: 67 PSIG
 Flow Temp: DEG. F
 Ambient Temp: 84 DEG. F
 Flow Rate: MCF/D
 Sample Method: Purge & Fill
 Sample Date: 09/25/2020
 Sample Time: 1.00 PM
 Sampled By: SEAN CASAUS
 Sampled by (CO): ABC

Heat Trace: N
 Remarks:

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.2760	0.2739	0.0300	0.00	0.0027
CO2	3.9106	3.8805	0.6690	0.00	0.0594
Methane	94.5715	93.8426	16.0620	955.17	0.5238
Ethane	1.1415	1.1327	0.3060	20.20	0.0119
Propane	0.0577	0.0573	0.0160	1.45	0.0009
Iso-Butane	0.0171	0.0170	0.0060	0.56	0.0003
N-Butane	0.0070	0.0069	0.0020	0.23	0.0001
I-Pentane	0.0050	0.0050	0.0020	0.20	0.0001
N-Pentane	0.0013	0.0013	0.0000	0.05	0.0000
Hexane Plus	0.0123	0.0122	0.0050	0.65	0.0004
Total	100.0000	99.2294	17.0980	978.51	0.5997

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0021
 BTU/CU.FT IDEAL: 980.8
 BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 982.8
 BTU/CU.FT (WET) CORRECTED FOR (1/Z): 965.7
 DRY BTU @ 15.025: 1002.5
 REAL SPECIFIC GRAVITY: 0.6007

CYLINDER #: 528
 CYLINDER PRESSURE: 64 PSIG
 ANALYSIS DATE: 10/01/2020
 ANALYSIS TIME: 03:38:09 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: SCHNEIDER GC C1 ; TBG
Stn. No.: API #
Mtr. No.: 95758

TUBING

10/08/2020
15950-12485

Smpl Date: 09/25/2020
Test Date: 10/01/2020
Run No: SO200225

Nitrogen: 0.2760
CO2: 3.9106
Methane: 94.5715
Ethane: 1.1415
Propane: 0.0577
I-Butane: 0.0171
N-Butane: 0.0070
I-Pentane: 0.0050
N-Pentane: 0.0013
Hexane+: 0.0123

BTU: 982.8
GPM: 17.0980
SPG: 0.6007



OCD Received 10/28/2020

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

Analysis No: SO200224
Cust No: 15950-12480

Well/Lease Information

Customer Name: BP - SOUTH BHD PROJECT
Well Name: SCHNEIDER GC C1 ; INT
County/State: NM
Location:
Lease/PA/CA:
Formation:
Cust. Stn. No.: API # 300452588300
95758

Source: INTERMEDIATE
Well Flowing:
Pressure: 138 PSIG
Flow Temp: DEG. F
Ambient Temp: 84 DEG. F
Flow Rate: MCF/D
Sample Method: Purge & Fill
Sample Date: 09/25/2020
Sample Time: 12.50 PM
Sampled By: SEAN CASAUS
Sampled by (CO): ABC

Heat Trace:
Remarks:

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.1124	0.1128	0.0120	0.00	0.0011
CO2	2.8981	2.9080	0.4960	0.00	0.0440
Methane	87.1043	87.4014	14.8040	879.75	0.4825
Ethane	6.3468	6.3684	1.7020	112.32	0.0659
Propane	2.2718	2.2795	0.6270	57.16	0.0346
Iso-Butane	0.2559	0.2568	0.0840	8.32	0.0051
N-Butane	0.5300	0.5318	0.1680	17.29	0.0106
I-Pentane	0.1224	0.1228	0.0450	4.90	0.0030
N-Pentane	0.1058	0.1062	0.0380	4.24	0.0026
Hexane Plus	0.2525	0.2534	0.1130	13.31	0.0084
Total	100.0000	100.3411	18.0890	1097.29	0.6579

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0028
BTU/CU.FT IDEAL: 1099.8
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1102.9
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1083.7
DRY BTU @ 15.025: 1125.0
REAL SPECIFIC GRAVITY: 0.6595

CYLINDER #: 2019
CYLINDER PRESSURE: 133 PSIG
ANALYSIS DATE: 10/02/2020
ANALYSIS TIME: 08:26:40 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: 10/08/2020

GC Method: C6+ Gas



BP - SOUTH BHD PROJECT
WELL ANALYSIS COMPARISON

Lease: SCHNEIDER GC C1 ; INT
Stn. No.: API #
Mtr. No.: 95758

INTERMEDIATE

10/08/2020
15950-12480

Smpl Date: 09/25/2020
Test Date: 10/02/2020
Run No: SO200224

Nitrogen: 0.1124
CO2: 2.8981
Methane: 87.1043
Ethane: 6.3468
Propane: 2.2718
I-Butane: 0.2559
N-Butane: 0.5300
I-Pentane: 0.1224
N-Pentane: 0.1058
Hexane+: 0.2525

BTU: 1102.9
GPM: 18.0890
SPG: 0.6595



OCD Received 10/28/2020

Well Name: SCHNEIDER GC C1 ; CSG
API #: API # 300452588300
Source: CASING
Sample Type: GAS
Analysis No: SO200223
Cust No: 15950-12475

Well/Lease Information

Customer Name: BP - SOUTH BHD PROJECT
Well Name: SCHNEIDER GC C1 ; CSG
County/State: NM
Location:
Lease/PA/CA:
Formation:
Cust. Stn. No.: API # 300452588300
95758

Source: CASING
Well Flowing: Y
Pressure: 118 PSIG
Flow Temp: DEG. F
Ambient Temp: 84 DEG. F
Flow Rate: MCF/D
Sample Method: Purge & Fill
Sample Date: 09/25/2020
Sample Time: 12.55 PM
Sampled By: SEAN CASAUS
Sampled by (CO): ABC

Heat Trace: N
Remarks:

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.1011	0.1006	0.0110	0.00	0.0010
CO2	3.1139	3.0980	0.5320	0.00	0.0473
Methane	96.3628	95.8717	16.3670	973.26	0.5338
Ethane	0.3723	0.3704	0.1000	6.59	0.0039
Propane	0.0168	0.0167	0.0050	0.42	0.0003
Iso-Butane	0.0170	0.0169	0.0060	0.55	0.0003
N-Butane	0.0022	0.0022	0.0010	0.07	0.0000
I-Pentane	0.0016	0.0016	0.0010	0.06	0.0000
N-Pentane	0.0000	0.0000	0.0000	0.00	0.0000
Hexane Plus	0.0123	0.0122	0.0050	0.65	0.0004
Total	100.0000	99.4903	17.0280	981.61	0.5870

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0021
BTU/CU.FT IDEAL: 983.9
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 986.0
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 968.8
DRY BTU @ 15.025: 1005.7
REAL SPECIFIC GRAVITY: 0.588

CYLINDER #: 019
CYLINDER PRESSURE: 116 PSIG
ANALYSIS DATE: 10/02/2020
ANALYSIS TIME: 08:36:44 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: 10/08/2020

GC Method: C6+ Gas



BP - SOUTH BHD PROJECT
WELL ANALYSIS COMPARISON

Lease: SCHNEIDER GC C1 ; CSG
Stn. No.: API #
Mtr. No.: 95758

CASING

10/08/2020
15950-12475

Smpl Date: 09/25/2020
Test Date: 10/02/2020
Run No: SO200223

Nitrogen: 0.1011
CO2: 3.1139
Methane: 96.3628
Ethane: 0.3723
Propane: 0.0168
I-Butane: 0.0170
N-Butane: 0.0022
I-Pentane: 0.0016
N-Pentane: 0.0000
Hexane+: 0.0123

BTU: 986.0
GPM: 17.0280
SPG: 0.5880