



NMOCD REC'D
10/12/20

Well Name: SELLERS LS 6N; CSG
API #: API #300453325000
Source: CASING
Sample Type: GAS
Analysis No: SO200099
Cust No: 15950-11875

Well/Lease Information

Customer Name: BP - SOUTH BHD PROJECT
Well Name: SELLERS LS 6N; CSG
County/State: NM
Location:
Lease/PA/CA:
Formation:
Cust. Stn. No.: API #300453325000

Source: CASING
Well Flowing: Y
Pressure: 74 PSIG
Flow Temp: DEG. F
Ambient Temp: 71 DEG. F
Flow Rate: MCF/D
Sample Method: Purge & Fill
Sample Date: 07/30/2020
Sample Time: 8.05 AM
Sampled By: SEAN C.
Sampled by (CO): ABC

Heat Trace: N
Remarks:

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.1831	0.1792	0.0200	0.00	0.0018
CO2	1.1913	1.1662	0.2040	0.00	0.0181
Methane	85.6480	83.8460	14.5630	865.04	0.4744
Ethane	7.0272	6.8793	1.8850	124.36	0.0730
Propane	2.9066	2.8454	0.8030	73.13	0.0443
Iso-Butane	0.6824	0.6680	0.2240	22.19	0.0137
N-Butane	0.7916	0.7749	0.2500	25.82	0.0159
I-Pentane	0.3754	0.3675	0.1380	15.02	0.0094
N-Pentane	0.3076	0.3011	0.1120	12.33	0.0077
Hexane Plus	0.8868	0.8681	0.3970	46.74	0.0293
Total	100.0000	97.8957	18.5960	1184.65	0.6874

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0032
BTU/CU.FT IDEAL: 1187.4
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1191.2
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1170.5
DRY BTU @ 15.025: 1215.1
REAL SPECIFIC GRAVITY: 0.6894

CYLINDER #: 1060
CYLINDER PRESSURE: 98 PSIG
ANALYSIS DATE: 08/05/2020
ANALYSIS TIME: 10:00:31 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 LS 6N; CSG
Stn. No.: API
Mtr. No.:

CASING

08/06/2020
15950-11875

Smpl Date: 07/30/2020
Test Date: 08/05/2020
Run No: SO200099

Nitrogen: 0.1831
CO2: 1.1913
Methane: 85.6480
Ethane: 7.0272
Propane: 2.9066
I-Butane: 0.6824
N-Butane: 0.7916
I-Pentane: 0.3754
N-Pentane: 0.3076
Hexane+: 0.8868

BTU: 1191.2
GPM: 18.5960
SPG: 0.6894



NMOCD REC'D
10/12/20

Well Name: SELLERS LS 6N; INTER
API #: API #300453325000
Source: INTERMEDIATE CASING
Sample Type: GAS
Analysis No: SO200100
Cust No: 15950-11880

Well/Lease Information

Customer Name:	BP - SOUTH BHD PROJECT	Source:	INTERMEDIATE CASING
Well Name:	SELLERS LS 6N; INTER	Well Flowing:	
County/State:	NM	Pressure:	14 PSIG
Location:		Flow Temp:	DEG. F
Lease/PA/CA:		Ambient Temp:	71 DEG. F
Formation:		Flow Rate:	MCF/D
Cust. Stn. No.:	API #300453325000	Sample Method:	Purge & Fill
		Sample Date:	07/30/2020
		Sample Time:	7.55 AM
		Sampled By:	SEAN C.
		Sampled by (CO):	ABC
Heat Trace:	N		
Remarks:			

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	10.1900	7.5116	1.1240	0.00	0.0986
CO2	0.0315	0.0232	0.0050	0.00	0.0005
Methane	75.7290	55.8238	12.8720	764.86	0.4195
Ethane	7.1547	5.2741	1.9180	126.62	0.0743
Propane	3.7478	2.7627	1.0350	94.30	0.0571
Iso-Butane	0.8084	0.5959	0.2650	26.29	0.0162
N-Butane	1.0600	0.7814	0.3350	34.58	0.0213
I-Pentane	0.4228	0.3117	0.1550	16.92	0.0105
N-Pentane	0.3120	0.2300	0.1130	12.51	0.0078
Hexane Plus	0.5438	0.4009	0.2430	28.66	0.0180
Total	100.0000	73.7153	18.0650	1104.73	0.7236

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z):	1.0029	CYLINDER #:	0101
BTU/CU.FT IDEAL:	1107.3	CYLINDER PRESSURE:	14 PSIG
BTU/CU.FT (DRY) CORRECTED FOR (1/Z):	1110.5	ANALYSIS DATE:	08/04/2020
BTU/CU.FT (WET) CORRECTED FOR (1/Z):	1091.2	ANALYSIS TIME:	04:45:27 AM
DRY BTU @ 15.025:	1132.7	ANALYSIS RUN BY:	SHYANN ELLEDGE
REAL SPECIFIC GRAVITY:	0.7255		

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 LS 6N; INTER
Stn. No.: API
Mtr. No.:

INTERMEDIATE CASING

08/06/2020
15950-11880

Smpl Date: 07/30/2020
Test Date: 08/04/2020
Run No: SO200100

Nitrogen: 10.1900
CO2: 0.0315
Methane: 75.7290
Ethane: 7.1547
Propane: 3.7478
I-Butane: 0.8084
N-Butane: 1.0600
I-Pentane: 0.4228
N-Pentane: 0.3120
Hexane+: 0.5438

BTU: 1110.5
GPM: 18.0650
SPG: 0.7255



NMOCD REC'D
10/12/20

Well Name: SELLERS LS 6N; TBG
API #: API #300453325000
Source: TUBING
Sample Type: GAS
Analysis No: SO200101
Cust No: 15950-11885

Well/Lease Information

Customer Name: BP - SOUTH BHD PROJECT
Well Name: SELLERS LS 6N; TBG
County/State: NM
Location:
Lease/PA/CA:
Formation:
Cust. Stn. No.: API #300453325000

Source: TUBING
Well Flowing: Y
Pressure: 102 PSIG
Flow Temp: DEG. F
Ambient Temp: 71 DEG. F
Flow Rate: MCF/D
Sample Method:
Sample Date: 07/30/2020
Sample Time: 8.08 AM
Sampled By: SEAN C.
Sampled by (CO): ABC

Heat Trace: N
Remarks:

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.1855	0.1814	0.0200	0.00	0.0018
CO2	1.3135	1.2844	0.2250	0.00	0.0200
Methane	84.9239	83.0443	14.4400	857.73	0.4704
Ethane	7.8108	7.6379	2.0950	138.23	0.0811
Propane	3.1353	3.0659	0.8660	78.89	0.0477
Iso-Butane	0.6016	0.5883	0.1970	19.56	0.0121
N-Butane	0.7501	0.7335	0.2370	24.47	0.0151
I-Pentane	0.2720	0.2660	0.1000	10.88	0.0068
N-Pentane	0.1972	0.1928	0.0720	7.91	0.0049
Hexane Plus	0.8101	0.7922	0.3620	42.70	0.0268
Total	100.0000	97.7867	18.6140	1180.37	0.6866

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0032
BTU/CU.FT IDEAL: 1183.1
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1186.9
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1166.2
DRY BTU @ 15.025: 1210.7
REAL SPECIFIC GRAVITY: 0.6885

CYLINDER #: 25
CYLINDER PRESSURE: 71 PSIG
ANALYSIS DATE: 08/05/2020
ANALYSIS TIME: 09:02:37 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 LS 6N; TBG
Stn. No.: API
Mtr. No.:

TUBING

08/06/2020
15950-11885

Smpl Date: 07/30/2020
Test Date: 08/05/2020
Run No: SO200101

Nitrogen: 0.1855
CO2: 1.3135
Methane: 84.9239
Ethane: 7.8108
Propane: 3.1353
I-Butane: 0.6016
N-Butane: 0.7501
I-Pentane: 0.2720
N-Pentane: 0.1972
Hexane+: 0.8101

BTU: 1186.9
GPM: 18.6140
SPG: 0.6885