NMOCD REC'D
10/12/20

Well Name: MOORE 11; BHD
API #: API # 300452666600
Source: BRADENHEAD
Sample Type: GAS

Analysis No: SO200114
Cust No: 15950-10160

Well/Lease Information

Customer Name:	BP - SOUTH BHD PROJECT	Source:	BRADENHEAD
Well Name:	MOORE 11; BHD	Well Flowing:	Y
County/State:	SAN JUAN NM	Pressure:	14.5 PSIG
Location:		Flow Temp:	DEG. F
Lease/PA/CA:	NMNM010989	Ambient Temp:	52 DEG. F
Formation:	MV/DK	Flow Rate:	MCF/D
Cust. Stn. No.:	API # 300452666600 95902	Sample Method:	Purge & Fill
		Sample Date:	09/10/2020
		Sample Time:	10.30 AM
		Sampled By:	ERIC S.
Heat Trace:	N	Sampled by (CO):	ABC
Remarks:			

Analysis

Component::	Mole%:	Unormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.2046	0.2015	0.0230	0.00	0.0020
CO2	2.1854	2.1524	0.3740	0.00	0.0332
Methane	82.1536	80.9119	13.9710	829.75	0.4550
Ethane	8.2630	8.1381	2.2170	146.23	0.0858
Propane	3.8287	3.7708	1.0580	96.33	0.0583
Iso-Butane	0.7255	0.7145	0.2380	23.59	0.0146
N-Butane	1.1623	1.1447	0.3680	37.92	0.0233
I-Pentane	0.4322	0.4257	0.1590	17.29	0.0108
N-Pentane	0.3319	0.3269	0.1210	13.30	0.0083
Hexane Plus	0.7128	0.7020	0.3190	37.57	0.0236
Total	100.0000	98.4885	18.8480	1201.99	0.7148

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY
**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBLITY FACTOR (1/Z):	1.0034	CYLINDER #:	115
BTU/CU.FT IDEAL:	1204.8	CYLINDER PRESSURE:	47 PSIG
BTU/CU.FT (DRY) CORRECTED FOR (1/Z):	1208.9	ANALYIS DATE:	09/14/2020
BTU/CU.FT (WET) CORRECTED FOR (1/Z):	1187.9	ANALYIS TIME:	03:17:48 AM
DRY BTU @ 15.025:	1233.1	ANALYSIS RUN BY:	PATRICIA KING
REAL SPECIFIC GRAVITY:	0.717		

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: 09/18/2020**
GC Method: C6+ Gas

BP - SOUTH BHD PROJECT

WELL ANALYSIS COMPARISON

Lease:	MOORE 11; BHD	BRADENHEAD	09/18/2020
Stn. No.:	API #	MV/DK	15950-10160
Mtr. No.:	95902		

Smpl Date:	09/10/2020	02/07/2020	06/14/2019	06/21/2017
Test Date:	09/14/2020	02/10/2020	06/25/2019	06/21/2017
Run No:	SO200114	SO200011	SO190070	SO170029
Nitrogen:	0.2046	0.7479	0.8693	0.6610
CO2:	2.1854	0.0046	0.0245	0.0483
Methane:	82.1536	88.3117	87.7925	88.2768
Ethane:	8.2630	6.6136	6.8337	6.7032
Propane:	3.8287	2.5603	2.6733	2.5805
I-Butane:	0.7255	0.4733	0.4763	0.4718
N-Butane:	1.1623	0.6197	0.6342	0.6137
I-Pentane:	0.4322	0.2272	0.2255	0.2223
N-Pentane:	0.3319	0.1494	0.1462	0.1439
Hexane+:	0.7128	0.2923	0.3245	0.2787
BTU:	1208.9	1145.3	1148.9	1145.7
GPM:	18.8480	18.1920	18.2280	18.2030
SPG:	0.7170	0.6466	0.6506	0.6467

NMOCD REC'D
10/12/20

Well Name: MOORE 11; CSG
API #: API # 300452666600
Source: CASING
Sample Type: GAS

Analysis No: SO200115
Cust No: 15950-10110

Well/Lease Information

Customer Name:	BP - SOUTH BHD PROJECT	Source:	CASING
Well Name:	MOORE 11; CSG	Well Flowing:	Y
County/State:	SAN JUAN NM	Pressure:	PSIG
Location:		Flow Temp:	DEG. F
Lease/PA/CA:	NMNM010989	Ambient Temp:	52 DEG. F
Formation:	MV/DK	Flow Rate:	MCF/D
Cust. Stn. No.:	API # 300452666600 95902	Sample Method:	Purge & Fill
		Sample Date:	09/10/2020
		Sample Time:	10.35 AM
		Sampled By:	ERIC S.
Heat Trace:	N	Sampled by (CO):	ABC
Remarks:			

Analysis

Component::	Mole%:	Unormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.2533	0.2491	0.0280	0.00	0.0024
CO2	0.8324	0.8187	0.1420	0.00	0.0126
Methane	84.3099	82.9175	14.3350	851.53	0.4670
Ethane	8.3142	8.1769	2.2300	147.14	0.0863
Propane	3.9509	3.8856	1.0920	99.41	0.0602
Iso-Butane	0.4002	0.3936	0.1310	13.01	0.0080
N-Butane	0.9669	0.9509	0.3060	31.54	0.0194
I-Pentane	0.2223	0.2186	0.0820	8.89	0.0055
N-Pentane	0.2110	0.2075	0.0770	8.46	0.0053
Hexane Plus	0.5389	0.5300	0.2410	28.41	0.0178
Total	100.0000	98.3484	18.6640	1188.39	0.6846

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY
**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBLITY FACTOR (1/Z):	1.0032	CYLINDER #:	234
BTU/CU.FT IDEAL:	1191.1	CYLINDER PRESSURE:	49 PSIG
BTU/CU.FT (DRY) CORRECTED FOR (1/Z):	1195.0	ANALYIS DATE:	09/14/2020
BTU/CU.FT (WET) CORRECTED FOR (1/Z):	1174.2	ANALYIS TIME:	03:25:33 AM
DRY BTU @ 15.025:	1218.9	ANALYSIS RUN BY:	PATRICIA KING
REAL SPECIFIC GRAVITY:	0.6865		

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: 09/18/2020**
GC Method: C6+ Gas

BP - SOUTH BHD PROJECT

WELL ANALYSIS COMPARISON

Lease:	MOORE 11; CSG	CASING	09/18/2020
Stn. No.:	API #	MV/DK	15950-10110
Mtr. No.:	95902		

Smpl Date:	09/10/2020	02/07/2020	06/14/2019	06/21/2017
Test Date:	09/14/2020	02/10/2020	06/26/2019	06/21/2017
Run No:	SO200115	SO200012	SO190071	SO170030
Nitrogen:	0.2533	0.4567	0.7867	0.2750
CO2:	0.8324	0.7623	0.8969	0.7809
Methane:	84.3099	84.0748	84.1431	84.5343
Ethane:	8.3142	8.2250	8.1436	8.2848
Propane:	3.9509	3.9550	3.8735	4.0444
I-Butane:	0.4002	0.3795	0.3847	0.3260
N-Butane:	0.9669	0.9781	0.9361	0.9599
I-Pentane:	0.2223	0.2253	0.2162	0.1980
N-Pentane:	0.2110	0.2245	0.2005	0.1990
Hexane+:	0.5389	0.7188	0.4187	0.3979
BTU:	1195.0	1201.0	1179.6	1187.4
GPM:	18.6640	18.6950	18.5610	18.6080
SPG:	0.6865	0.6915	0.6834	0.6811

NMOCD REC'D
10/12/20

Well Name: MOORE 11; TBG
API #: API # 300452666600
Source: TUBING
Sample Type: GAS

Analysis No: SO200116
Cust No: 15950-10130

Well/Lease Information

Customer Name:	BP - SOUTH BHD PROJECT	Source:	TUBING
Well Name:	MOORE 11; TBG	Well Flowing:	Y
County/State:	SAN JUAN NM	Pressure:	52 PSIG
Location:		Flow Temp:	DEG. F
Lease/PA/CA:	NMNM010989	Ambient Temp:	52 DEG. F
Formation:	MV/DK	Flow Rate:	MCF/D
Cust. Stn. No.:	API # 300452666600 95902	Sample Method:	
		Sample Date:	09/10/2020
		Sample Time:	10.40 AM
		Sampled By:	ERIC S.
Heat Trace:	N	Sampled by (CO):	abc
Remarks:			

Analysis

Component::	Mole%:	Unormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	3.1954	3.1229	0.3520	0.00	0.0309
CO2	0.0171	0.0167	0.0030	0.00	0.0003
Methane	85.5709	83.6291	14.5440	864.27	0.4740
Ethane	6.6609	6.5097	1.7860	117.88	0.0692
Propane	2.6544	2.5942	0.7330	66.79	0.0404
Iso-Butane	0.4908	0.4797	0.1610	15.96	0.0098
N-Butane	0.6347	0.6203	0.2010	20.71	0.0127
I-Pentane	0.2368	0.2314	0.0870	9.47	0.0059
N-Pentane	0.1572	0.1536	0.0570	6.30	0.0039
Hexane Plus	0.3818	0.3731	0.1710	20.12	0.0126
Total	100.0000	97.7307	18.0950	1121.50	0.6597

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY
**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBLITY FACTOR (1/Z):	1.0028	CYLINDER #:	233
BTU/CU.FT IDEAL:	1124.1	CYLINDER PRESSURE:	14 PSIG
BTU/CU.FT (DRY) CORRECTED FOR (1/Z):	1127.2	ANALYIS DATE:	09/14/2020
BTU/CU.FT (WET) CORRECTED FOR (1/Z):	1107.6	ANALYIS TIME:	03:36:14 AM
DRY BTU @ 15.025:	1149.8	ANALYSIS RUN BY:	PATRICIA KING
REAL SPECIFIC GRAVITY:	0.6613		

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: 09/18/2020**
GC Method: C6+ Gas

BP - SOUTH BHD PROJECT

WELL ANALYSIS COMPARISON

Lease:	MOORE 11; TBG	TUBING	09/18/2020
Stn. No.:	API #	MV/DK	15950-10130
Mtr. No.:	95902		

Smpl Date:	09/10/2020	02/07/2020	06/14/2019	06/21/2017
Test Date:	09/14/2020	02/10/2020	06/26/2019	06/21/2017
Run No:	SO200116	SO200013	SO190072	SO170031
Nitrogen:	3.1954	0.2474	0.1590	0.1430
CO2:	0.0171	2.1744	2.1161	1.8645
Methane:	85.5709	82.0117	82.5536	82.9939
Ethane:	6.6609	8.2657	8.1694	8.2686
Propane:	2.6544	3.8252	3.6865	3.6649
I-Butane:	0.4908	0.7263	0.6859	0.6658
N-Butane:	0.6347	1.1711	1.0897	1.0427
I-Pentane:	0.2368	0.4344	0.3965	0.3789
N-Pentane:	0.1572	0.3346	0.2985	0.2919
Hexane+:	0.3818	0.8092	0.8448	0.6858
BTU:	1127.2	1213.0	1208.2	1202.2
GPM:	18.0950	18.8740	18.8320	18.7800
SPG:	0.6613	0.7199	0.7149	0.7068