NMOCD REC'D
10/12/20

Well Name: FLORANCE G 36; CSG
API #: API # 300450990600
Source: CASING
Sample Type: GAS

Analysis No: SO200139
Cust No: 15950-12060

Well/Lease Information

Customer Name:	BP - SOUTH BHD PROJECT	Source:	CASING
Well Name:	FLORANCE G 36; CSG	Well Flowing:	Y
County/State:	NM	Pressure:	14 PSIG
Location:		Flow Temp:	DEG. F
Lease/PA/CA:		Ambient Temp:	75 DEG. F
Formation:		Flow Rate:	MCF/D
Cust. Stn. No.:	API # 300450990600	Sample Method:	Purge & Fill
		Sample Date:	09/17/2020
		Sample Time:	11.05 AM
		Sampled By:	SEAN CASAUS
Heat Trace:	N	Sampled by (CO):	ABC
Remarks:			

Analysis

Component::	Mole%:	Unormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.1210	0.1194	0.0130	0.00	0.0012
CO2	1.9918	1.9660	0.3410	0.00	0.0303
Methane	87.2976	86.1662	14.8400	881.71	0.4835
Ethane	6.1788	6.0987	1.6570	109.35	0.0641
Propane	2.1951	2.1666	0.6060	55.23	0.0334
Iso-Butane	0.4410	0.4353	0.1450	14.34	0.0088
N-Butane	0.5848	0.5772	0.1850	19.08	0.0117
I-Pentane	0.2560	0.2527	0.0940	10.24	0.0064
N-Pentane	0.1765	0.1742	0.0640	7.08	0.0044
Hexane Plus	0.7574	0.7476	0.3390	39.92	0.0251
Total	100.0000	98.7039	18.2840	1136.94	0.6690

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

COMPRESSIBLITY FACTOR (1/Z):	1.003	CYLINDER #:	551
BTU/CU.FT IDEAL:	1139.6	CYLINDER PRESSURE:	12 PSIG
BTU/CU.FT (DRY) CORRECTED FOR (1/Z):	1143.0	ANALYIS DATE:	09/24/2020
BTU/CU.FT (WET) CORRECTED FOR (1/Z):	1123.1	ANALYIS TIME:	01:17:50 PM
DRY BTU @ 15.025:	1165.9	ANALYSIS RUN BY:	PATRICIA KING
REAL SPECIFIC GRAVITY:	0.6707		

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: 09/29/2020**
GC Method: C6+ Gas

BP - SOUTH BHD PROJECT

WELL ANALYSIS COMPARISON

Lease:	FLORANCE G 36; CSG	CASING	09/29/2020
Stn. No.:	API #		15950-12060
Mtr. No.:			

Smpl Date:	09/17/2020
Test Date:	09/24/2020
Run No:	SO200139
Nitrogen:	0.1210
CO2:	1.9918
Methane:	87.2976
Ethane:	6.1788
Propane:	2.1951
I-Butane:	0.4410
N-Butane:	0.5848
I-Pentane:	0.2560
N-Pentane:	0.1765
Hexane+:	0.7574
BTU:	1143.0
GPM:	18.2840
SPG:	0.6707

NMOCD REC'D
10/12/20

Well Name: FLORANCE G 36; TBG
API #: API # 300450990600
Source: TUBING
Sample Type: GAS

Analysis No: SO200141
Cust No: 15950-12070

Well/Lease Information

Customer Name:	BP - SOUTH BHD PROJECT	Source:	TUBING
Well Name:	FLORANCE G 36; TBG	Well Flowing:	Y
County/State:	NM	Pressure:	130 PSIG
Location:		Flow Temp:	DEG. F
Lease/PA/CA:		Ambient Temp:	75 DEG. F
Formation:		Flow Rate:	MCF/D
Cust. Stn. No.:	API # 300450990600	Sample Method:	
		Sample Date:	09/17/2020
		Sample Time:	11.10 AM
		Sampled By:	SEAN CASAUS
Heat Trace:	N	Sampled by (CO):	ABC
Remarks:			

Analysis

Component::	Mole%:	Unormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.1843	0.1830	0.0200	0.00	0.0018
CO2	2.8958	2.8749	0.4950	0.00	0.0440
Methane	96.0919	95.3977	16.3210	970.53	0.5323
Ethane	0.7453	0.7399	0.2000	13.19	0.0077
Propane	0.0473	0.0470	0.0130	1.19	0.0007
Iso-Butane	0.0162	0.0161	0.0050	0.53	0.0003
N-Butane	0.0059	0.0059	0.0020	0.19	0.0001
I-Pentane	0.0045	0.0045	0.0020	0.18	0.0001
N-Pentane	0.0014	0.0014	0.0010	0.06	0.0000
Hexane Plus	0.0074	0.0073	0.0030	0.39	0.0002
Total	100.0000	99.2777	17.0620	986.25	0.5873

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

COMPRESSIBLITY FACTOR (1/Z):	1.0021	CYLINDER #:	058
BTU/CU.FT IDEAL:	988.5	CYLINDER PRESSURE:	130 PSIG
BTU/CU.FT (DRY) CORRECTED FOR (1/Z):	990.6	ANALYIS DATE:	09/24/2020
BTU/CU.FT (WET) CORRECTED FOR (1/Z):	973.4	ANALYIS TIME:	01:30:26 PM
DRY BTU @ 15.025:	1010.4	ANALYSIS RUN BY:	PATRICIA KING
REAL SPECIFIC GRAVITY:	0.5883		

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: 09/29/2020**
GC Method: C6+ Gas

BP - SOUTH BHD PROJECT

WELL ANALYSIS COMPARISON

Lease:	FLORANCE G 36; TBG	TUBING	09/29/2020
Stn. No.:	API #		15950-12070
Mtr. No.:			

Smpl Date:	09/17/2020
Test Date:	09/24/2020
Run No:	SO200141
Nitrogen:	0.1843
CO2:	2.8958
Methane:	96.0919
Ethane:	0.7453
Propane:	0.0473
I-Butane:	0.0162
N-Butane:	0.0059
I-Pentane:	0.0045
N-Pentane:	0.0014
Hexane+:	0.0074
BTU:	990.6
GPM:	17.0620
SPG:	0.5883

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

GAS

NMOCD REC'D
10/12/20

Analysis No: SO200140
Cust No: 15950-12065

Well/Lease Information

Customer Name:	BP - SOUTH BHD PROJECT	Source:	INTERMEDIATE
Well Name:	FLORANCE G 36; INT	Well Flowing:	
County/State:	NM	Pressure:	659 PSIG
Location:		Flow Temp:	DEG. F
Lease/PA/CA:		Ambient Temp:	75 DEG. F
Formation:		Flow Rate:	MCF/D
Cust. Stn. No.:	API # 300450990600	Sample Method:	Purge & Fill
		Sample Date:	09/17/2020
		Sample Time:	11.00 AM
		Sampled By:	SEAN CASAUS
Heat Trace:		Sampled by (CO):	ABC
Remarks:			

Analysis

Component::	Mole%:	Unormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.3785	0.3702	0.0420	0.00	0.0037
CO2	0.0100	0.0098	0.0020	0.00	0.0002
Methane	89.0022	87.0497	15.1250	898.92	0.4930
Ethane	7.6550	7.4871	2.0520	135.47	0.0795
Propane	1.6698	1.6332	0.4610	42.01	0.0254
Iso-Butane	0.5230	0.5115	0.1720	17.01	0.0105
N-Butane	0.3167	0.3098	0.1000	10.33	0.0064
I-Pentane	0.1891	0.1850	0.0690	7.57	0.0047
N-Pentane	0.0659	0.0645	0.0240	2.64	0.0016
Hexane Plus	0.1898	0.1856	0.0850	10.00	0.0063
Total	100.0000	97.8064	18.1320	1123.96	0.6312

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

COMPRESSIBLITY FACTOR (1/Z):	1.0027	CYLINDER #:	9
BTU/CU.FT IDEAL:	1126.6	CYLINDER PRESSURE:	642 PSIG
BTU/CU.FT (DRY) CORRECTED FOR (1/Z):	1129.6	ANALYIS DATE:	09/24/2020
BTU/CU.FT (WET) CORRECTED FOR (1/Z):	1109.9	ANALYIS TIME:	12:58:27 AM
DRY BTU @ 15.025:	1152.2	ANALYSIS RUN BY:	PATRICIA KING
REAL SPECIFIC GRAVITY:	0.6326		

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: 09/29/2020**
GC Method: C6+ Gas

BP - SOUTH BHD PROJECT

WELL ANALYSIS COMPARISON

Lease:	FLORANCE G 36; INT	INTERMEDIATE	09/29/2020
Stn. No.:	API #		15950-12065
Mtr. No.:			

Smpl Date:	09/17/2020
Test Date:	09/24/2020
Run No:	SO200140
Nitrogen:	0.3785
CO2:	0.0100
Methane:	89.0022
Ethane:	7.6550
Propane:	1.6698
I-Butane:	0.5230
N-Butane:	0.3167
I-Pentane:	0.1891
N-Pentane:	0.0659
Hexane+:	0.1898
BTU:	1129.6
GPM:	18.1320
SPG:	0.6326