



30-045-23159
Casing
2030 Afton Place
Farmington, NM 87401
(505) 325-6622

Analysis No: SO170033
Cust No: 15950-10180

Well/Lease Information

Customer Name: BP - SOUTH BHD PROJECT
Well Name: MUDGE LS 45
County/State: NM
Location:
Field:
Formation: PC
Cust. Stn. No.:
API 3004523159

Source: CASING
Pressure: 100 PSIA
Sample Temp: DEG. F
Well Flowing: Y
Date Sampled: 06/22/2017
Sampled By: E. HAMILTON
Foreman/Engr.: KEVIN IRELAND

Remarks:

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.208	0.0230	0.00	0.0020
CO2	0.760	0.1300	0.00	0.0115
Methane	86.397	14.6870	872.61	0.4786
Ethane	7.279	1.9520	128.82	0.0756
Propane	2.991	0.8260	75.26	0.0455
Iso-Butane	0.532	0.1750	17.30	0.0107
N-Butane	0.777	0.2460	25.35	0.0156
I-Pentane	0.280	0.1030	11.20	0.0070
N-Pentane	0.200	0.0730	8.02	0.0050
Hexane Plus	0.576	0.2580	30.36	0.0191
Total	100.000	18.4730	1168.91	0.6705

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.003
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1175.1
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1154.7
REAL SPECIFIC GRAVITY: 0.6723

GPM, BTU, and SPG calculations as shown
above are based on current GPA factors.

DRY BTU @ 14.650: 1168.7
DRY BTU @ 14.696: 1172.4
DRY BTU @ 14.730: 1175.1
DRY BTU @ 15.025: 1198.6

CYLINDER #: 7087
CYLINDER PRESSURE: 96 PSIG
DATE RUN: 7/5/17 7:21 AM
ANALYSIS RUN BY: RICHARD WILSON



30-045-23159
Casing

BP - SOUTH BHD PROJECT
WELL ANALYSIS COMPARISON

Lease: MUDGE LS 45
Stn. No.:
Mtr. No.: API 3004523159

CASING
PC

07/11/2017
15950-10180

Smpl Date: 06/22/2017
Test Date: 07/05/2017
Run No: SO170033

Nitrogen: 0.208
CO2: 0.760
Methane: 86.397
Ethane: 7.279
Propane: 2.991
I-Butane: 0.532
N-Butane: 0.777
I-Pentane: 0.280
N-Pentane: 0.200
Hexane+: 0.576

BTU: 1175.1
GPM: 18.4730
SPG: 0.6723