



30-045-23045
Casing

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

Analysis No: SO170038
Cust No: 15950-10140

Well/Lease Information

Customer Name: BP - SOUTH BHD PROJECT
Well Name: SMYERS COM 1S 1A
County/State: NM
Location:
Field:
Formation: MV
Cust. Stn. No.:
API 3004523045

OIL CONS. DIV DIST. 3

JAN 02 2018

Source: CASING
Pressure: 121 PSIA
Sample Temp: DEG. F
Well Flowing: Y
Date Sampled: 06/21/2017
Sampled By: E. HAMILTON
Foreman/Engr.: KEVIN IRELAND

Remarks:

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.174	0.0190	0.00	0.0017
CO2	0.979	0.1680	0.00	0.0149
Methane	77.336	13.1620	781.09	0.4284
Ethane	10.978	2.9470	194.28	0.1140
Propane	5.471	1.5130	137.67	0.0833
Iso-Butane	0.932	0.3060	30.30	0.0187
N-Butane	1.668	0.5280	54.42	0.0335
I-Pentane	0.542	0.1990	21.68	0.0135
N-Pentane	0.464	0.1690	18.60	0.0116
Hexane Plus	1.457	0.6520	76.78	0.0482
Total	100.000	19.6630	1314.81	0.7676

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0042
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1323.3
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1300.3
REAL SPECIFIC GRAVITY: 0.7705

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

DRY BTU @ 14.650: 1316.1
DRY BTU @ 14.696: 1320.2
DRY BTU @ 14.730: 1323.3
DRY BTU @ 15.025: 1349.8

CYLINDER #: 7077
CYLINDER PRESSURE: 59 PSIG
DATE RUN: 7/5/17 7:28 AM
ANALYSIS RUN BY: RICHARD WILSON

2

30-045-23045
Casing



BP - SOUTH BHD PROJECT
WELL ANALYSIS COMPARISON

Lease: SMYERS COM 1S 1A
Stn. No.:
Mtr. No.: API 3004523045

CASING
MV

07/11/2017
15950-10140

Smpl Date: 06/21/2017
Test Date: 07/05/2017
Run No: SO170038

Nitrogen: 0.174
CO2: 0.979
Methane: 77.336
Ethane: 10.978
Propane: 5.471
I-Butane: 0.932
N-Butane: 1.668
I-Pentane: 0.542
N-Pentane: 0.464
Hexane+: 1.457

BTU: 1323.3
GPM: 19.6630
SPG: 0.7705