



30-045-22463  
Casing

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

Analysis No: SO170035  
Cust No: 15950-10185

### Well/Lease Information

Customer Name: BP - SOUTH BHD PROJECT  
Well Name: NEIL A 7A  
County/State: NM  
Location:  
Field:  
Formation: PC/MV  
Cust. Stn. No.:  
API 3004522463

OIL CONS. DIV DIST. 3

JAN 02 2018

Source: CASING  
Pressure: 118 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    | 0.277   | 0.0310  | 0.00    | 0.0027       |
| CO2         | 0.158   | 0.0270  | 0.00    | 0.0024       |
| Methane     | 87.271  | 14.8370 | 881.43  | 0.4834       |
| Ethane      | 6.782   | 1.8190  | 120.02  | 0.0704       |
| Propane     | 2.961   | 0.8180  | 74.51   | 0.0451       |
| Iso-Butane  | 0.528   | 0.1730  | 17.18   | 0.0106       |
| N-Butane    | 0.637   | 0.2010  | 20.78   | 0.0128       |
| I-Pentane   | 0.235   | 0.0860  | 9.39    | 0.0058       |
| N-Pentane   | 0.156   | 0.0570  | 6.26    | 0.0039       |
| Hexane Plus | 0.995   | 0.4450  | 52.43   | 0.0329       |
| Total       | 100.000 | 18.4940 | 1182.00 | 0.6700       |

\* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

\*\*@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0031

BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1188.4

BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1167.7

REAL SPECIFIC GRAVITY: 0.6718

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

DRY BTU @ 14.650: 1181.9

DRY BTU @ 14.696: 1185.7

DRY BTU @ 14.730: 1188.4

DRY BTU @ 15.025: 1212.2

CYLINDER #: 7089

CYLINDER PRESSURE: 56 PSIG

DATE RUN: 7/5/17 7:25 AM

ANALYSIS RUN BY: RICHARD WILSON



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BP - SOUTH BHD PROJECT  
WELL ANALYSIS COMPARISON

Lease: NEIL A 7A  
Stn. No.:  
Mtr. No.: API 3004522463

CASING  
PC/MV

07/11/2017  
15950-10185

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Smpl Date: 06/21/2017  
Test Date: 07/05/2017  
Run No: SO170035

Nitrogen: 0.277  
CO2: 0.158  
Methane: 87.271  
Ethane: 6.782  
Propane: 2.961  
I-Butane: 0.528  
N-Butane: 0.637  
I-Pentane: 0.235  
N-Pentane: 0.156  
Hexane+: 0.995

BTU: 1188.4  
GPM: 18.4940  
SPG: 0.6718