



30-045-32491
Casing

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

Analysis No: SO170044
Cust No: 15950-10210

Well/Lease Information

Customer Name: BP - SOUTH BHD PROJECT
Well Name: BARNES LS 7M
County/State: NM
Location:
Field:
Formation: MV/DK
Cust. Str. No.:
API 3004532491

Source: CASING
Well Flowing: Y
Pressure: 82 PSIG
Flow Temp: DEG. F
Ambient Temp: 87 DEG. F
Flow Rate: MCF/D
Sample Method: Purge & Fill
Date Sampled: 07/14/2017
Sampled By: EUGENIA HAMILTON
Foreman/Engr.: SABRE BEEBE

Remarks:

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	8.9021	0.9820	0.00	0.0861
CO2	0.0109	0.0020	0.00	0.0002
Methane	75.8364	12.8930	765.95	0.4201
Ethane	8.4110	2.2560	148.85	0.0873
Propane	3.4251	0.9460	86.18	0.0521
Iso-Butane	0.7886	0.2590	25.64	0.0158
N-Butane	0.8805	0.2780	28.72	0.0177
I-Pentane	0.3945	0.1450	15.78	0.0098
N-Pentane	0.3041	0.1110	12.19	0.0076
Hexane Plus	1.0468	0.4680	55.18	0.0346
Total	100.0000	18.3400	1138.50	0.7313

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z):	1.0031	CYLINDER #:	7055
BTU/CU.FT (DRY) CORRECTED FOR (1/Z):	1144.7	CYLINDER PRESSURE:	76 PSIG
BTU/CU.FT (WET) CORRECTED FOR (1/Z):	1124.8	DATE RUN:	7/27/17 4:26 PM
REAL SPECIFIC GRAVITY:	0.7333	ANALYSIS RUN BY:	RICHARD WILSON

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

GPA Standard: GPA-2261

GC: Danalyzer Model 500

GC Method: C6+ Gas

Last Cal/Verify: 08/01/2017

30-045-32491
Casing



BP - SOUTH BHD PROJECT
WELL ANALYSIS COMPARISON

Lease: BARNES LS 7M
Stn. No.:
Mtr. No.: API 3004532491

CASING
MV/DK

08/01/2017
15950-10210

Smpl Date: 07/14/2017
Test Date: 07/27/2017
Run No: SO170044

Nitrogen: 8.9021
CO2: 0.0109
Methane: 75.8364
Ethane: 8.4110
Propane: 3.4251
I-Butane: 0.7886
N-Butane: 0.8805
I-Pentane: 0.3945
N-Pentane: 0.3041
Hexane+: 1.0468

BTU: 1144.7
GPM: 18.3400
SPG: 0.7333