



30-045-32491
Intermediate
2030 Afton Place
Farmington, NM 87401
(505) 325-6622

Analysis No: SO170045
Cust No: 15950-10220

Well/Lease Information

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

Source: INTERMEDIATE
Well Flowing: Y
Pressure: 541 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	0.1081	0.0120	0.00	0.0010
CO2	0.0822	0.0140	0.00	0.0012
Methane	84.2939	14.3310	851.37	0.4669
Ethane	9.7614	2.6180	172.75	0.1013
Propane	3.5541	0.9820	89.42	0.0541
Iso-Butane	0.6148	0.2020	19.99	0.0123
N-Butane	0.8189	0.2590	26.71	0.0164
I-Pentane	0.2888	0.1060	11.55	0.0072
N-Pentane	0.1836	0.0670	7.36	0.0046
Hexane Plus	0.2942	0.1320	15.51	0.0097
Total	100.0000	18.7230	1194.67	0.6749

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z):	1.0031	CYLINDER #:	7023
BTU/CU.FT (DRY) CORRECTED FOR (1/Z):	1201.2	CYLINDER PRESSURE:	184 PSIG
BTU/CU.FT (WET) CORRECTED FOR (1/Z):	1180.3	DATE RUN:	7/27/17 4:28 PM
REAL SPECIFIC GRAVITY:	0.6768	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

Last Cal/Verify: 08/01/2017

GC Method: C6+ Gas



30-045-32411
Intermediate

BP - SOUTH BHD PROJECT
WELL ANALYSIS COMPARISON

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

INTERMEDIATE
MV/DK

08/01/2017
15950-10220

Smpl Date: 07/14/2017
Test Date: 07/27/2017
Run No: SO170045

Nitrogen: 0.1081
CO2: 0.0822
Methane: 84.2939
Ethane: 9.7614
Propane: 3.5541
I-Butane: 0.6148
N-Butane: 0.8189
I-Pentane: 0.2888
N-Pentane: 0.1836
Hexane+: 0.2942

BTU: 1201.2
GPM: 18.7230
SPG: 0.6768