



30-045-22513

Casing

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

Analysis No: SO170027
Cust No: 15950-10125

Well/Lease Information

Customer Name: BP - SOUTH BHD PROJECT
Well Name: LAWSON LS 1A
County/State: NM
Location:
Field:
Formation: MV
Cust. Stn. No.:
API 3004522513

OIL CONS. DIV DIST. 3

AUG 09 2017

Source: CASING
Pressure: 14 PSIA
Sample Temp: DEG. F
Well Flowing: Y
Date Sampled: 06/20/2017
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	0.427	0.0730	0.00	0.0065
Methane	79.521	13.5290	803.16	0.4405
Ethane	10.680	2.8660	189.01	0.1109
Propane	5.245	1.4500	131.97	0.0799
Iso-Butane	0.770	0.2530	25.04	0.0155
N-Butane	1.366	0.4320	44.58	0.0274
I-Pentane	0.418	0.1540	16.74	0.0104
N-Pentane	0.315	0.1140	12.61	0.0078
Hexane Plus	0.981	0.4390	51.70	0.0325
Total	100.000	19.3410	1274.82	0.7340

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0038
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1282.6
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1260.3
REAL SPECIFIC GRAVITY: 0.7365

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

DRY BTU @ 14.650: 1275.6
DRY BTU @ 14.696: 1279.6
DRY BTU @ 14.730: 1282.6
DRY BTU @ 15.025: 1308.3

CYLINDER #: 7065
CYLINDER PRESSURE: 58 PSIG
DATE RUN: 7/5/17 7:15 AM
ANALYSIS RUN BY: RICHARD WILSON

30-045-2251
Casing



BP - SOUTH BHD PROJECT
WELL ANALYSIS COMPARISON

Lease: LAWSON LS 1A
Stn. No.:
Mtr. No.: API 3004522513

CASING
MV

07/11/2017
15950-10125

Smpl Date: 06/20/2017
Test Date: 07/05/2017
Run No: SO170027

Nitrogen: 0.277
CO2: 0.427
Methane: 79.521
Ethane: 10.680
Propane: 5.245
I-Butane: 0.770
N-Butane: 1.366
I-Pentane: 0.418
N-Pentane: 0.315
Hexane+: 0.981

BTU: 1282.6
GPM: 19.3410
SPG: 0.7365



30-045-22513
Tubing

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

Analysis No: SO170028
Cust No: 15950-10115

Well/Lease Information

Customer Name: BP - SOUTH BHD PROJECT
Well Name: LAWSON LS 1A
County/State: NM
Location:
Field:
Formation: MV
Cust. Stn. No.:
API 3004522513

Source: TUBING
Pressure: 122 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	0.169	0.0190	0.00	0.0016
CO2	1.379	0.2360	0.00	0.0210
Methane	81.871	13.9260	826.90	0.4535
Ethane	8.853	2.3760	156.68	0.0919
Propane	4.079	1.1280	102.63	0.0621
Iso-Butane	0.743	0.2440	24.15	0.0149
N-Butane	1.139	0.3600	37.15	0.0229
I-Pentane	0.399	0.1470	15.98	0.0099
N-Pentane	0.316	0.1150	12.68	0.0079
Hexane Plus	1.052	0.4710	55.44	0.0348
Total	100.000	19.0220	1231.59	0.7205

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0036
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1238.8
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1217.2
REAL SPECIFIC GRAVITY: 0.7227

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

DRY BTU @ 14.650: 1232.1
DRY BTU @ 14.696: 1235.9
DRY BTU @ 14.730: 1238.8
DRY BTU @ 15.025: 1263.6

CYLINDER #: 7078
CYLINDER PRESSURE: PSIG
DATE RUN: 7/5/17 7:16 AM
ANALYSIS RUN BY: RICHARD WILSON