



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

Analysis No: CT150001
Cust No: 20010-10025

30-045-31342

Well/Lease Information

Customer Name: CROSS TIMBERS ENERGY
Well Name: PAM AM STATE #1B BHD
County/State:
Location:
Field:
Formation:
Cust. Str. No.:

Source: BRADENHEAD
Pressure: 89 PSIG
Sample Temp: DEG. F
Well Flowing: Y
Date Sampled: 07/02/2015
Sampled By: PETER SCHMIDT
Foreman/Engr.:

OIL CONS. DIV DIST. 3
JUL 24 2015

Remarks:

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.536	0.0590	0.00	0.0052
CO2	0.003	0.0010	0.00	0.0000
Methane	93.720	15.9220	946.57	0.5191
Ethane	3.857	1.0340	68.26	0.0400
Propane	1.055	0.2910	26.54	0.0161
Iso-Butane	0.271	0.0890	8.81	0.0054
N-Butane	0.260	0.0820	8.48	0.0052
I-Pentane	0.114	0.0420	4.56	0.0028
N-Pentane	0.065	0.0240	2.61	0.0016
Hexane Plus	0.119	0.0530	6.27	0.0039
Total	100.000	17.5970	1072.11	0.5995

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0024
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1077.2
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1058.5
REAL SPECIFIC GRAVITY: 0.6007

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

DRY BTU @ 14.650: 1071.3
DRY BTU @ 14.696: 1074.7
DRY BTU @ 14.730: 1077.2
DRY BTU @ 15.025: 1098.8

CYLINDER #: 6092
CYLINDER PRESSURE: 97 PSIG
DATE RUN: 7/20/15 2:37 PM
ANALYSIS RUN BY: JENNIFER DEAN



CROSS TIMBERS ENERGY
WELL ANALYSIS COMPARISON

Lease: PAM AM STATE #1B BHD
Stn. No.:
Mtr. No.:

BRADENHEAD

07/21/2015
20010-10025

Smpl Date: 07/02/2015
Test Date: 07/20/2015
Run No: CT150001

Nitrogen: 0.536
CO2: 0.003
Methane: 93.720
Ethane: 3.857
Propane: 1.055
I-Butane: 0.271
N-Butane: 0.260
I-Pentane: 0.114
N-Pentane: 0.065
Hexane+: 0.119

BTU: 1077.2
GPM: 17.5970
SPG: 0.6007