



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

Analysis No: CT150002
Cust No: 20010-10030

30-045-313d2

Well/Lease Information

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

Source: CASING
Pressure: 90 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	0.188	0.0210	0.00	0.0018
CO2	0.356	0.0610	0.00	0.0054
Methane	83.678	14.2310	845.15	0.4635
Ethane	8.567	2.2980	151.61	0.0889
Propane	3.698	1.0220	93.05	0.0563
Iso-Butane	0.833	0.2730	27.09	0.0167
N-Butane	1.065	0.3370	34.74	0.0214
I-Pentane	0.472	0.1730	18.88	0.0118
N-Pentane	0.317	0.1150	12.71	0.0079
Hexane Plus	0.826	0.3700	43.54	0.0273
Total	100.000	18.9010	1226.77	0.7010

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0034

BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1233.8

BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1212.3

REAL SPECIFIC GRAVITY: 0.7032

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

DRY BTU @ 14.650: 1227.1

DRY BTU @ 14.696: 1231.0

DRY BTU @ 14.730: 1233.8

DRY BTU @ 15.025: 1258.5

CYLINDER #: 4203

CYLINDER PRESSURE: 89 PSIG

DATE RUN: 7/20/15 2:39 PM

ANALYSIS RUN BY: JENNIFER DEAN



CROSS TIMBERS ENERGY
WELL ANALYSIS COMPARISON

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

CASING

07/21/2015
20010-10030

Smpl Date: 07/02/2015
Test Date: 07/20/2015
Run No: CT150002

Nitrogen: 0.188
CO2: 0.356
Methane: 83.678
Ethane: 8.567
Propane: 3.698
I-Butane: 0.833
N-Butane: 1.065
I-Pentane: 0.472
N-Pentane: 0.317
Hexane+: 0.826

BTU: 1233.8
GPM: 18.9010
SPG: 0.7032