



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

Analysis No: RM170002  
Cust No: 67050-10150

### Well/Lease Information

Customer Name: RED MESA HOLDINGS  
Well Name: TALBOT WIDEMAN 13-1;CSG  
County/State: LA PLATA CO  
Location: 13-33N-12W  
Field:  
Formation: DAKOTA  
Cust. Stn. No.:

Source: PRODUCTION CASING  
Pressure: 85 PSIG  
Sample Temp: DEG. F  
Well Flowing: N  
Date Sampled: 02/15/2017  
Sampled By: BRANDON KENNEDY  
Foreman/Engr.: MARK WEEMS

Remarks:

### Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.303	0.0330	0.00	0.0029
CO2	1.726	0.2950	0.00	0.0262
Methane	86.067	14.6320	869.28	0.4767
Ethane	6.560	1.7590	116.09	0.0681
Propane	2.644	0.7300	66.53	0.0403
Iso-Butane	0.474	0.1560	15.41	0.0095
N-Butane	0.972	0.3070	31.71	0.0195
I-Pentane	0.332	0.1220	13.28	0.0083
N-Pentane	0.323	0.1170	12.95	0.0080
Hexane Plus	0.599	0.2680	31.57	0.0198
Total	100.000	18.4190	1156.82	0.6794

\* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

\*\*@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0031  
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1163.1  
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1142.9  
REAL SPECIFIC GRAVITY: 0.6812

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

DRY BTU @ 14.650: 1156.8  
DRY BTU @ 14.696: 1160.4  
DRY BTU @ 14.730: 1163.1  
DRY BTU @ 15.025: 1186.4

CYLINDER #: CP100  
CYLINDER PRESSURE: 96 PSIG  
DATE RUN: 2/17/17 10:49 AM  
ANALYSIS RUN BY: Shyann Elledge