



API # 30-039-23406

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

Analysis No: TH170047
Cust No: 77000-10590

Well/Lease Information

Customer Name: THOMPSON ENGINEERING
Well Name: ESCRITO GALLUP UNIT 27; CSG
County/State: RIO ARRIBA NM
Location:
Field:
Formation: GALLUP
Cust. Stn. No.:

OIL CONS. DIV DIST. 3

JUL 28 2017

Source: CASING
Pressure: 183 PSIG
Sample Temp: 67 DEG. F
Well Flowing: N
Date Sampled: 06/28/2017
Sampled By: VERN ANDREWS
Foreman/Engr.:

Remarks:

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.948	0.1050	0.00	0.0092
CO2	0.259	0.0440	0.00	0.0039
Methane	79.215	13.4760	800.07	0.4388
Ethane	10.196	2.7360	180.44	0.1059
Propane	5.496	1.5190	138.28	0.0837
Iso-Butane	0.626	0.2060	20.36	0.0126
N-Butane	1.749	0.5530	57.06	0.0351
I-Pentane	0.518	0.1900	20.72	0.0129
N-Pentane	0.550	0.2000	22.05	0.0137
Hexane Plus	0.443	0.1980	23.35	0.0147
Total	100.000	19.2270	1262.33	0.7303

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0037
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1270.0
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1247.9
REAL SPECIFIC GRAVITY: 0.7328

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

DRY BTU @ 14.650: 1263.1
DRY BTU @ 14.696: 1267.1
DRY BTU @ 14.730: 1270.0
DRY BTU @ 15.025: 1295.4

CYLINDER #: 050
CYLINDER PRESSURE: 180 PSIG
DATE RUN: 7/7/17 9:10 AM
ANALYSIS RUN BY: ALEX VALDEZ

JUL 20 2017



API # 30-039-23046

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

Analysis No: TH170046
Cust No: 77000-10585

Well/Lease Information

Customer Name: THOMPSON ENGINEERING
Well Name: ESCRITO GALLUP UNIT 27; BHD
County/State: RIO ARRIBA NM
Location:
Field:
Formation: GALLUP
Cust. Stn. No.:

Source: BRADENHEAD
Pressure: 60 PSIG
Sample Temp: 67 DEG. F
Well Flowing: N
Date Sampled: 06/28/2017
Sampled By: VERN ANDREWS
Foreman/Engr.:

Remarks:

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.967	0.1070	0.00	0.0094
CO2	0.463	0.0790	0.00	0.0070
Methane	76.334	12.9910	770.98	0.4228
Ethane	10.504	2.8200	185.89	0.1091
Propane	6.357	1.7580	159.95	0.0968
Iso-Butane	0.806	0.2650	26.21	0.0162
N-Butane	2.312	0.7320	75.42	0.0464
I-Pentane	0.750	0.2750	30.01	0.0187
N-Pentane	0.811	0.2950	32.51	0.0202
Hexane Plus	0.696	0.3120	36.69	0.0230
Total	100.000	19.6340	1317.65	0.7695

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0041

BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1326.1

BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1303.0

REAL SPECIFIC GRAVITY: 0.7724

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

DRY BTU @ 14.650: 1318.9

DRY BTU @ 14.696: 1323.0

DRY BTU @ 14.730: 1326.1

DRY BTU @ 15.025: 1352.7

CYLINDER #: 099

CYLINDER PRESSURE: 16 PSIG

DATE RUN: 7/7/17 9:05 AM

ANALYSIS RUN BY: ALEX VALDEZ

JUL 20 2017