



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

Analysis No: CP140475
Cust No: 18300-26095

Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY
Well Name: WILMUTH #1M CSG
County/State: SAN JUAN
Location:
Field:
Formation: MV/DK
Cust. Stn. No.: AM02459097NO

Source: CASING
Pressure: 162 PSIG
Sample Temp: DEG. F
Well Flowing: Y
Date Sampled: 06/06/2014
Sampled By:
Foreman/Engr.:

OIL CONS. DIV DIST. 3
JUN 24 2014

Remarks:

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.234	0.0260	0.00	0.0023
CO2	0.886	0.1520	0.00	0.0135
Methane	86.744	14.7450	876.11	0.4805
Ethane	7.616	2.0420	134.78	0.0791
Propane	2.956	0.8170	74.38	0.0450
Iso-Butane	0.532	0.1750	17.30	0.0107
N-Butane	0.538	0.1700	17.55	0.0108
I-Pentane	0.138	0.0510	5.52	0.0034
N-Pentane	0.077	0.0280	3.09	0.0019
Hexane Plus	0.279	0.1250	14.71	0.0092
Total	100.000	18.3310	1143.44	0.6563

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0029
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1149.4
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1129.4
REAL SPECIFIC GRAVITY: 0.658

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

DRY BTU @ 14.650: 1143.2
DRY BTU @ 14.696: 1146.7
DRY BTU @ 14.730: 1149.4
DRY BTU @ 15.025: 1172.4

CYLINDER #: 4220
CYLINDER PRESSURE: 146 PSIG
DATE RUN: 6/16/14 1:33 PM
ANALYSIS RUN BY: TIMBER EVERETT



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: WILMUTH #1M CSG
Stn. No.: AM02459097NO
Mtr. No.:

CASING
MV/DK

06/18/2014
18300-26095

Smpl Date: 06/06/2014
Test Date: 06/16/2014
Run No: CP140475
Nitrogen: 0.234
CO2: 0.886
Methane: 86.744
Ethane: 7.616
Propane: 2.956
I-Butane: 0.532
N-Butane: 0.538
I-Pentane: 0.138
N-Pentane: 0.077
Hexane+: 0.279
BTU: 1149.4
GPM: 18.3310
SPG: 0.6580



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

Analysis No: CP140476
Cust No: 18300-26100

Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY
Well Name: WILMUTH #1M INTRM
County/State: SAN JUAN
Location:
Field:
Formation: MV/DK
Cust. Stn. No.: AM02459097NO

Source: INTERMEDIATE
Pressure: 8.6 PSIG
Sample Temp: DEG. F
Well Flowing: Y
Date Sampled: 06/06/2014
Sampled By:
Foreman/Engr.:

OIL CONS. DIV DIST. 3
JUN 24 2014

Remarks: PRESSURED WITH HELIUM TO 30 LBS

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.220	0.0240	0.00	0.0021
CO2	0.043	0.0070	0.00	0.0007
Methane	80.245	13.6520	810.47	0.4445
Ethane	9.697	2.6030	171.61	0.1007
Propane	5.482	1.5160	137.93	0.0835
Iso-Butane	1.147	0.3770	37.30	0.0230
N-Butane	1.453	0.4600	47.40	0.0292
I-Pentane	0.475	0.1740	19.00	0.0118
N-Pentane	0.382	0.1390	15.31	0.0095
Hexane Plus	0.856	0.3830	45.12	0.0283
Total	100.000	19.3350	1284.15	0.7333

* @ 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): 1292.0
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1269.5
REAL SPECIFIC GRAVITY: 0.7358

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

DRY BTU @ 14.650: 1285.0
DRY BTU @ 14.696: 1289.0
DRY BTU @ 14.730: 1292.0
DRY BTU @ 15.025: 1317.9

CYLINDER #: 4133
CYLINDER PRESSURE: PSIG
DATE RUN: 6/16/14 1:36 PM
ANALYSIS RUN BY: TIMBER EVERETT



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: WILMUTH #1M INTRM
Stn. No.: AM02459097NO
Mtr. No.:

INTERMEDIATE
MV/DK

06/18/2014
18300-26100

Smpl Date: 06/06/2014
Test Date: 06/16/2014
Run No: CP140476

Nitrogen: 0.220
CO2: 0.043
Methane: 80.245
Ethane: 9.697
Propane: 5.482
I-Butane: 1.147
N-Butane: 1.453
I-Pentane: 0.475
N-Pentane: 0.382
Hexane+: 0.856

BTU: 1292.0
GPM: 19.3350
SPG: 0.7358