



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

30-045-11094

Analysis No: CP140471
Cust No: 18300-26075

Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY
Well Name: SCOTT #7 BHD
County/State: SAN JUAN
Location:
Field:
Formation: MESA VERDE
Cust. Stn. No.: AM02345722NO

Source: BRADENHEAD
Pressure: 24 PSIG
Sample Temp: DEG. F
Well Flowing: Y
Date Sampled: 06/05/2014
Sampled By:
Foreman/Engr.:

OIL CONS. DIV DIST. 3
JUN 24 2014

Remarks:

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	1.009	0.1110	0.00	0.0098
CO2	0.030	0.0050	0.00	0.0005
Methane	94.566	16.0650	955.12	0.5238
Ethane	2.942	0.7880	52.06	0.0305
Propane	0.865	0.2390	21.76	0.0132
Iso-Butane	0.156	0.0510	5.07	0.0031
N-Butane	0.189	0.0600	6.17	0.0038
I-Pentane	0.092	0.0340	3.68	0.0023
N-Pentane	0.028	0.0100	1.12	0.0007
Hexane Plus	0.123	0.0550	6.48	0.0041
Total	100.000	17.4180	1051.47	0.5917

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0023
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1056.2
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1037.8
REAL SPECIFIC GRAVITY: 0.5928

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

DRY BTU @ 14.650: 1050.5
DRY BTU @ 14.696: 1053.8
DRY BTU @ 14.730: 1056.2
DRY BTU @ 15.025: 1077.4

CYLINDER #: 6177
CYLINDER PRESSURE: 20 PSIG
DATE RUN: 6/16/14 12:57 PM
ANALYSIS RUN BY: LOGAN CHENEY

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CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: SCOTT #7 BHD
Str. No.: AM02345722NO
Mfr. No.:

BRADENHEAD
MESA VERDE

06/18/2014
18300-26075

Smpl Date: 06/05/2014
Test Date: 06/16/2014
Run No: CP140471

Nitrogen: 1.009
CO2: 0.030
Methane: 94.566
Ethane: 2.942
Propane: 0.865
I-Butane: 0.156
N-Butane: 0.189
I-Pentane: 0.092
N-Pentane: 0.028
Hexane+: 0.123

BTU: 1056.2
GPM: 17.4180
SPG: 0.5928



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

Analysis No: CP140472
Cust No: 18300-26080

Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY
Well Name: SCOTT #7 CSG
County/State: SAN JUAN
Location:
Field:
Formation: MESA VERDE
Cust. Stn. No.: AM02345722NO

Source: CASING
Pressure: 109 PSIG
Sample Temp: DEG. F
Well Flowing: Y
Date Sampled: 06/05/2014
Sampled By:
Foreman/Engr.:

OIL CONS. DIV DIST. 3
JUN 24 2014

Remarks:

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.180	0.0200	0.00	0.0017
CO2	1.622	0.2780	0.00	0.0246
Methane	83.756	14.2420	845.94	0.4639
Ethane	8.483	2.2760	150.12	0.0881
Propane	3.209	0.8870	80.74	0.0489
Iso-Butane	0.525	0.1720	17.07	0.0105
N-Butane	0.857	0.2710	27.96	0.0172
I-Pentane	0.312	0.1140	12.48	0.0078
N-Pentane	0.234	0.0850	9.38	0.0058
Hexane Plus	0.822	0.3680	43.33	0.0272
Total	100.000	18.7130	1187.02	0.6958

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0033
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1193.7
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1172.9
REAL SPECIFIC GRAVITY: 0.6978

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

DRY BTU @ 14.650: 1187.2
DRY BTU @ 14.696: 1190.9
DRY BTU @ 14.730: 1193.7
DRY BTU @ 15.025: 1217.6

CYLINDER #: 4113
CYLINDER PRESSURE: 74 PSIG
DATE RUN: 6/16/14 12:58 PM
ANALYSIS RUN BY: LOGAN CHENEY



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: SCOTT #7 CSG
Stn. No.: AM02345722NO
Mtr. No.:

CASING
MESA VERDE

06/18/2014
18300-26080

Smp| Date: 06/05/2014
Test Date: 06/16/2014
Run No: CP140472

Nitrogen: 0.180
CO2: 1.622
Methane: 83.756
Ethane: 8.483
Propane: 3.209
I-Butane: 0.525
N-Butane: 0.857
I-Pentane: 0.312
N-Pentane: 0.234
Hexane+: 0.822

BTU: 1193.7
GPM: 18.7130
SPG: 0.6978



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

Analysis No: CP140473
Cust No: 18300-26085

Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY
Well Name: SCOTT #7 INTRM
County/State: SAN JUAN
Location:
Field:
Formation: MESA VERDE
Cust. Stn. No.: AM02345722NO

Source: INTERMEDIATE
Pressure: 109 PSIG
Sample Temp: DEG. F
Well Flowing: Y
Date Sampled: 06/05/2014
Sampled By:
Foreman/Engr.:

*OIL CONS. DIV DIST. 3
JUN 24 2014*

Remarks:

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.173	0.0190	0.00	0.0017
CO2	1.532	0.2620	0.00	0.0233
Methane	83.469	14.1950	843.04	0.4623
Ethane	8.304	2.2280	146.96	0.0862
Propane	3.280	0.9060	82.53	0.0499
Iso-Butane	0.557	0.1830	18.11	0.0112
N-Butane	0.895	0.2830	29.20	0.0180
I-Pentane	0.329	0.1210	13.16	0.0082
N-Pentane	0.246	0.0890	9.86	0.0061
Hexane Plus	1.215	0.5440	64.04	0.0402
Total	100.000	18.8300	1206.90	0.7071

* @ 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): 1213.8
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1192.7
REAL SPECIFIC GRAVITY: 0.7092

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

DRY BTU @ 14.650: 1207.2
DRY BTU @ 14.696: 1211.0
DRY BTU @ 14.730: 1213.8
DRY BTU @ 15.025: 1238.1

CYLINDER #: 7008
CYLINDER PRESSURE: 102 PSIG
DATE RUN: 6/16/14 1:02 PM
ANALYSIS RUN BY: LOGAN CHENEY



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: SCOTT #7 INTRM
Stn. No.: AM02345722NO
Mtr. No.:

INTERMEDIATE
MESA VERDE

06/18/2014
18300-26085

Smpl Date: 06/05/2014
Test Date: 06/16/2014
Run No: CP140473

Nitrogen: 0.173
CO2: 1.532
Methane: 83.469
Ethane: 8.304
Propane: 3.280
I-Butane: 0.557
N-Butane: 0.895
I-Pentane: 0.329
N-Pentane: 0.246
Hexane+: 1.215

BTU: 1213.8
GPM: 18.8300
SPG: 0.7092



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

Analysis No: CP140474
Cust No: 18300-26090

Well/Lease Information

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

Source: BRADENHEAD
Pressure: 6.2 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	3.853	0.4250	0.00	0.0373
CO2	0.072	0.0120	0.00	0.0011
Methane	81.853	13.9150	826.72	0.4534
Ethane	8.096	2.1710	143.27	0.0841
Propane	3.661	1.0110	92.11	0.0557
Iso-Butane	0.649	0.2130	21.10	0.0130
N-Butane	0.929	0.2940	30.31	0.0186
I-Pentane	0.282	0.1030	11.28	0.0070
N-Pentane	0.180	0.0650	7.22	0.0045
Hexane Plus	0.425	0.1900	22.40	0.0141
Total	100.000	18.3990	1154.42	0.6888

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.003
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1160.6
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1140.4
REAL SPECIFIC GRAVITY: 0.6906

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

DRY BTU @ 14.650: 1154.3
DRY BTU @ 14.696: 1157.9
DRY BTU @ 14.730: 1160.6
DRY BTU @ 15.025: 1183.8

CYLINDER #: 4118
CYLINDER PRESSURE: PSIG
DATE RUN: 6/16/14 1:32 PM
ANALYSIS RUN BY: TIMBER EVERETT



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

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

BRADENHEAD
MV/DK

06/18/2014
18300-26090

Smpl Date: 06/06/2014
Test Date: 06/16/2014
Run No: CP140474
Nitrogen: 3.853
CO2: 0.072
Methane: 81.853
Ethane: 8.096
Propane: 3.661
I-Butane: 0.649
N-Butane: 0.929
I-Pentane: 0.282
N-Pentane: 0.180
Hexane+: 0.425
BTU: 1160.6
GPM: 18.3990
SPG: 0.6906