



30-045-24122

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

Analysis No: CP140295
Cust No: 18300-25860

Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY
Well Name: KRAUSE WN FED 2-E BHD
County/State: SAN JUAN NM
Location: SEC28-28N-11W
Field:
Formation:
Cust. Stn. No.: 93378
AM01887330NO

Source: BRADENHEAD
Pressure: 100 PSIG
Sample Temp: DEG. F
Well Flowing: N
Date Sampled: 04/22/2014
Sampled By: DAN CHAPMAN
Foreman/Engr.: KURTIS SHAW

OIL CONS. DIV DIST. 3
MAY 14 2014

Remarks:

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.288	0.0320	0.00	0.0028
CO2	0.018	0.0030	0.00	0.0003
Methane	56.468	9.6350	570.33	0.3128
Ethane	16.013	4.3100	283.38	0.1662
Propane	18.385	5.0980	462.58	0.2799
Iso-Butane	3.592	1.1830	116.81	0.0721
N-Butane	3.341	1.0600	108.99	0.0670
I-Pentane	0.840	0.3090	33.61	0.0209
N-Pentane	0.491	0.1790	19.68	0.0122
Hexane Plus	0.564	0.2530	29.73	0.0187
Total	100.000	22.0620	1625.11	0.9529

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0067
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1639.7
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1611.2
REAL SPECIFIC GRAVITY: 0.9589

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

DRY BTU @ 14.650: 1630.8
DRY BTU @ 14.696: 1635.9
DRY BTU @ 14.730: 1639.7
DRY BTU @ 15.025: 1672.5

CYLINDER #: 6189
CYLINDER PRESSURE: 87 PSIG
DATE RUN: 4/23/14 12:00 AM
ANALYSIS RUN BY: DAWN BLASSINGAME



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: KRAUSE WN FED 2-E BHD
Stn. No.: 93378
Mtr. No.: AM01887330NO

BRADENHEAD

04/23/2014
18300-25860

Smpl Date: 04/22/2014
Test Date: 04/23/2014
Run No: CP140295
Nitrogen: 0.288
CO2: 0.018
Methane: 56.468
Ethane: 16.013
Propane: 18.385
I-Butane: 3.592
N-Butane: 3.341
I-Pentane: 0.840
N-Pentane: 0.491
Hexane+: 0.564
BTU: 1639.7
GPM: 22.0620
SPG: 0.9589



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

Analysis No: CP140296
Cust No: 18300-25865

Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY
Well Name: KRAUSE WN FED 2-E CSG
County/State: SAN JUAN NM
Location: SEC28-28N-11W
Field:
Formation:
Cust. Stn. No.: 93378
AM01887330NO

Source: CASING
Pressure: 90 PSIG
Sample Temp: DEG. F
Well Flowing: N
Date Sampled: 04/22/2014
Sampled By: DAN CHAMPMAN
Foreman/Engr.: KURTIS SHAW

OIL CONS. DIV DIST. 3

Remarks: PRESSURED WITH HELIUM TO 30 LBS

MAY 14 2014

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	86.955	9.5690	0.00	0.8410
CO2	0.318	0.0540	0.00	0.0048
Methane	10.011	1.6980	101.11	0.0555
Ethane	1.131	0.3030	20.02	0.0117
Propane	1.117	0.3080	28.10	0.0170
Iso-Butane	0.207	0.0680	6.73	0.0042
N-Butane	0.192	0.0610	6.26	0.0039
I-Pentane	0.045	0.0160	1.80	0.0011
N-Pentane	0.024	0.0090	0.96	0.0006
Hexane Plus	0.000	0.0000	0.00	0.0000
Total	100.000	12.0860	164.99	0.9398

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0005
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 165.5
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 162.6
REAL SPECIFIC GRAVITY: 0.9399

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

DRY BTU @ 14.650: 164.6
DRY BTU @ 14.696: 165.1
DRY BTU @ 14.730: 165.5
DRY BTU @ 15.025: 168.8

CYLINDER #: 4163
CYLINDER PRESSURE: PSIG
DATE RUN: 4/23/14 9:24 AM
ANALYSIS RUN BY: LOGAN CHENEY



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: KRAUSE WN FED 2-E CSG
Stn. No.: 93378
Mtr. No.: AM01887330NO

CASING

04/23/2014
18300-25865

Smpl Date: 04/22/2014
Test Date: 04/23/2014
Run No: CP140296
Nitrogen: 86.955
CO2: 0.318
Methane: 10.011
Ethane: 1.131
Propane: 1.117
I-Butane: 0.207
N-Butane: 0.192
I-Pentane: 0.045
N-Pentane: 0.024
Hexane+: 0.000
BTU: 165.5
GPM: 12.0860
SPG: 0.9399