



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

Analysis No: CP170272
Cust No: 18300-32430

Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY
Well Name: LACKEY A2 BHD
County/State:
Location:
Field:
Formation: CH / MV
Cust. Stn. No.:

Source: BRADENHEAD
Pressure: 267 PSIG
Sample Temp: DEG. F
Well Flowing: Y
Date Sampled: 06/08/2017
Sampled By: DL PEEK
Foreman/Engr.: PHILIP OUELLETTE

300450851101CO2/CO1

OIL CONS. DIV DIST. 3

Remarks: W/O# 9277895

JUL 25 2017

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.502	0.0550	0.00	0.0049
CO2	0.480	0.0820	0.00	0.0073
Methane	87.159	14.8170	880.31	0.4828
Ethane	6.341	1.7000	112.22	0.0658
Propane	3.304	0.9130	83.13	0.0503
Iso-Butane	0.444	0.1460	14.44	0.0089
N-Butane	0.835	0.2640	27.24	0.0168
I-Pentane	0.243	0.0890	9.72	0.0061
N-Pentane	0.201	0.0730	8.06	0.0050
Hexane Plus	0.491	0.2200	25.88	0.0162
Total	100.000	18.3590	1160.99	0.6640

* @ 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): 1167.2
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1146.9
REAL SPECIFIC GRAVITY: 0.6658

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

DRY BTU @ 14.650: 1160.9
DRY BTU @ 14.696: 1164.5
DRY BTU @ 14.730: 1167.2
DRY BTU @ 15.025: 1190.6

CYLINDER #: 102
CYLINDER PRESSURE: 174 PSIG
DATE RUN: 6/20/17 3:34 PM
ANALYSIS RUN BY: ALEX VALDEZ

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CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: LACKEY A2 BHD
Stn. No.:
Mtr. No.: 300450851101CO2

BRADENHEAD
CH / MV

06/29/2017
18300-32430

Smpl Date: 06/08/2017
Test Date: 06/20/2017
Run No: CP170272

Nitrogen: 0.502
CO2: 0.480
Methane: 87.159
Ethane: 6.341
Propane: 3.304
I-Butane: 0.444
N-Butane: 0.835
I-Pentane: 0.243
N-Pentane: 0.201
Hexane+: 0.491

BTU: 1167.2
GPM: 18.3590
SPG: 0.6658



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

Analysis No: CP170273
Cust No: 18300-32425

Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY
Well Name: LACKEY A2 CSG
County/State:
Location:
Field:
Formation: CH / MV
Cust. Stn. No.:
300450851101CO2/C01

Source: CASING
Pressure: 271 PSIG
Sample Temp: DEG. F
Well Flowing: Y
Date Sampled: 06/08/2017
Sampled By: DL PEEK
Foreman/Engr.: PHILIP OUELLETTE

Remarks: W/O# 9277895

OIL CONS. DIV DIST. 3
JUL 25 2017

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.533	0.0590	0.00	0.0052
CO2	0.484	0.0830	0.00	0.0074
Methane	87.579	14.8870	884.55	0.4851
Ethane	6.255	1.6770	110.69	0.0649
Propane	3.191	0.8810	80.29	0.0486
Iso-Butane	0.421	0.1380	13.68	0.0084
N-Butane	0.787	0.2490	25.68	0.0158
I-Pentane	0.216	0.0790	8.66	0.0054
N-Pentane	0.168	0.0610	6.75	0.0042
Hexane Plus	0.367	0.1640	19.32	0.0121
Total	100.000	18.2780	1149.61	0.6571

* @ 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): 1155.6
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1135.5
REAL SPECIFIC GRAVITY: 0.6587

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

DRY BTU @ 14.650: 1149.3
DRY BTU @ 14.696: 1152.9
DRY BTU @ 14.730: 1155.6
DRY BTU @ 15.025: 1178.7

CYLINDER #: 105
CYLINDER PRESSURE: 159 PSIG
DATE RUN: 6/20/17 3:37 PM
ANALYSIS RUN BY: RICHARD WILSON



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: LACKEY A2 CSG
Stn. No.:
Mtr. No.: 300450851101CO2

CASING
CH / MV

06/29/2017
18300-32425

Smpl Date: 06/08/2017
Test Date: 06/20/2017
Run No: CP170273

Nitrogen: 0.533
CO2: 0.484
Methane: 87.579
Ethane: 6.255
Propane: 3.191
I-Butane: 0.421
N-Butane: 0.787
I-Pentane: 0.216
N-Pentane: 0.168
Hexane+: 0.367

BTU: 1155.6
GPM: 18.2780
SPG: 0.6587