



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

Analysis No: CP170271
Cust No: 18300-22055

Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY

Well Name: HOUCK COM 1 CSG

County/State: SAN JUAN NM

Location:

Field:

Formation:

Cust. Stn. No.: 300452579700C01/C02

Source: CASING

Pressure: 110 PSIG

Sample Temp: DEG. F

Well Flowing: Y

Date Sampled: 06/08/2017

Sampled By: DL PEEK

Foreman/Engr.: PHILIP OUELETTE

CONS. DIV DIST. 3

JUL 11 2017

Remarks: W/O# 9277228

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.596	0.0660	0.00	0.0058
CO2	0.011	0.0020	0.00	0.0002
Methane	85.589	14.5540	864.45	0.4741
Ethane	6.705	1.7990	118.66	0.0696
Propane	3.878	1.0720	97.57	0.0590
Iso-Butane	0.689	0.2260	22.41	0.0138
N-Butane	1.037	0.3280	33.83	0.0208
I-Pentane	0.345	0.1270	13.80	0.0086
N-Pentane	0.273	0.0990	10.94	0.0068
Hexane Plus	0.877	0.3920	46.23	0.0290
Total	100.000	18.6650	1207.89	0.6877

* @ 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): 1214.6

BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1193.5

REAL SPECIFIC GRAVITY: 0.6897

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

DRY BTU @ 14.650: 1208.0

DRY BTU @ 14.696: 1211.8

DRY BTU @ 14.730: 1214.6

DRY BTU @ 15.025: 1238.9

CYLINDER #: 071

CYLINDER PRESSURE: 109 PSIG

DATE RUN: 6/20/17 12:00 AM

ANALYSIS RUN BY: ALEX VALDEZ

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CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: HOUCK COM 1 CSG
Stn. No.: 300452579700C01
Mtr. No.:

CASING

06/29/2017
18300-22055

Smpl Date:	06/08/2017	08/30/2011
Test Date:	06/20/2017	09/01/2011
Run No:	CP170271	CP110842
Nitrogen:	0.596	0.447
CO2:	0.011	0.011
Methane:	85.589	85.534
Ethane:	6.705	6.977
Propane:	3.878	3.884
I-Butane:	0.689	0.604
N-Butane:	1.037	1.046
I-Pentane:	0.345	0.321
N-Pentane:	0.273	0.262
Hexane+:	0.877	0.914
BTU:	1214.6	1217.2
GPM:	18.6650	18.6920
SPG:	0.6897	0.6897



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

Analysis No: CP170270
Cust No: 18300-22050

Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY
Well Name: HOUCK COM 1 BHD
County/State: SAN JUAN NM
Location:
Field:
Formation:
Cust. Str. No.: 300452579700C01/C02

Source: BRADENHEAD
Pressure: 24 PSIG
Sample Temp: DEG. F
Well Flowing:
Date Sampled: 06/08/2017
Sampled By: DL PEEK
Foreman/Engr.: KODY MARTIN

OIL CONS. DIV DIST. 3
JUL 11 2017

Remarks: W/O# 9277228

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.731	0.0810	0.00	0.0071
CO2	0.031	0.0050	0.00	0.0005
Methane	88.016	14.9590	888.96	0.4875
Ethane	6.848	1.8360	121.19	0.0711
Propane	2.620	0.7240	65.92	0.0399
Iso-Butane	0.460	0.1510	14.96	0.0092
N-Butane	0.588	0.1860	19.18	0.0118
I-Pentane	0.211	0.0770	8.44	0.0053
N-Pentane	0.115	0.0420	4.61	0.0029
Hexane Plus	0.380	0.1700	20.03	0.0126
Total	100.000	18.2310	1143.29	0.6478

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0028
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1149.2
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1129.2
REAL SPECIFIC GRAVITY: 0.6493

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

DRY BTU @ 14.650: 1143.0
DRY BTU @ 14.696: 1146.5
DRY BTU @ 14.730: 1149.2
DRY BTU @ 15.025: 1172.2

CYLINDER #: 7042
CYLINDER PRESSURE: 20 PSIG
DATE RUN: 6/20/17 3:06 PM
ANALYSIS RUN BY: ALEX VALDEZ



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: HOUCK COM 1 BHD
Stn. No.: 300452579700C01
Mtr. No.:

BRADENHEAD

06/29/2017
18300-22050

Smpl Date:	06/08/2017	08/30/2011
Test Date:	06/20/2017	09/01/2011
Run No:	CP170270	CP110841
Nitrogen:	0.731	2.606
CO2:	0.031	0.045
Methane:	88.016	87.823
Ethane:	6.848	6.395
Propane:	2.620	1.861
I-Butane:	0.460	0.338
N-Butane:	0.588	0.389
I-Pentane:	0.211	0.189
N-Pentane:	0.115	0.082
Hexane+:	0.380	0.272
BTU:	1149.2	1101.3
GPM:	18.2310	17.9020
SPG:	0.6493	0.6388