



OIL CONS. DIV DIST. 3

JUL 14 2015

2030 Afton Place
Farmington, NM 87401
(505) 325-6622Analysis No: KH150106
Cust No: 44100-10880

30-045-31391

Well/Lease InformationCustomer Name: KOCH EXPLORATION COMPANY
Well Name: NOE COM 27-2A; BHD
County/State: SAN JUAN
Location: 27-28N-10W
Field:
Formation: FRUITLAND COAL
Cust. Str. No.:Source: BRADENHEAD
Pressure: 25 PSIG
Sample Temp: DEG. F
Well Flowing: N
Date Sampled: 06/15/2015
Sampled By: DON JOHNSON
Foreman/Engr.: DON JOHNSON

Remarks:

Analysis

Component:	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	3.740	0.4130	0.00	0.0362
CO2	0.062	0.0110	0.00	0.0009
Methane	84.594	14.3780	854.40	0.4686
Ethane	6.063	1.6260	107.30	0.0629
Propane	3.321	0.9170	83.56	0.0506
Iso-Butane	0.757	0.2480	24.62	0.0152
N-Butane	0.830	0.2620	27.08	0.0167
I-Pentane	0.256	0.0940	10.24	0.0064
N-Pentane	0.171	0.0620	6.85	0.0043
Hexane Plus	0.206	0.0920	10.86	0.0068
Total	100.000	18.1030	1124.91	0.6685

* @ 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): 1130.7
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1111.0
REAL SPECIFIC GRAVITY: 0.6701GPM, BTU, and SPG calculations as shown
above are based on current GPA factors.DRY BTU @ 14.650: 1124.6
DRY BTU @ 14.696: 1128.1
DRY BTU @ 14.730: 1130.7
DRY BTU @ 15.025: 1153.3CYLINDER #: 50
CYLINDER PRESSURE: 28 PSIG
DATE RUN: 7/6/15 11:48 AM
ANALYSIS RUN BY: DAWN BLASSINGAME



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

Analysis No: KH150107
Cust No: 44100-10885

Well/Lease Information

Customer Name: KOCH EXPLORATION COMPANY
Well Name: NOE COM 27-2A; CSG
County/State: SAN JUAN
Location: 27-28N-10W
Field:
Formation: FRUITLAND COAL
Cust. Stn. No.: 36513306

Source: CASING
Pressure: 173 PSIG
Sample Temp: 86 DEG. F
Well Flowing: Y
Date Sampled: 06/15/2015
Sampled By: DON JOHNSON
Foreman/Engr.: DON JOHNSON

Remarks:

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.074	0.0080	0.00	0.0007
CO2	2.185	0.3740	0.00	0.0332
Methane	85.029	14.4520	858.79	0.4710
Ethane	9.954	2.6690	176.16	0.1033
Propane	2.001	0.5530	50.35	0.0305
Iso-Butane	0.355	0.1160	11.54	0.0071
N-Butane	0.193	0.0610	6.30	0.0039
I-Pentane	0.070	0.0260	2.80	0.0017
N-Pentane	0.030	0.0110	1.20	0.0007
Hexane Plus	0.109	0.0490	5.75	0.0036
Total	100.000	18.3190	1112.89	0.6558

* @ 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): 1118.6
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1099.1
REAL SPECIFIC GRAVITY: 0.6574

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

DRY BTU @ 14.650: 1112.5
DRY BTU @ 14.696: 1116.0
DRY BTU @ 14.730: 1118.6
DRY BTU @ 15.025: 1141.0

CYLINDER #: 48
CYLINDER PRESSURE: 172 PSIG
DATE RUN: 7/6/15 11:49 AM
ANALYSIS RUN BY: Kindra Anderson