30-045-23620

OIL CONS. DIV DIST. 3

APR 06 2016

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

Analysis No: AO160002
Cust No: 13055-10005

Well/Lease Information

Customer Name:	ANDERSON OIL	Source:	CASING
Well Name:	FEDERAL #3; CSG	Pressure:	100 PSIG
County/State:	SAN JUAN	Sample Temp:	DEG. F
Location:		Well Flowing:	Y
Field:		Date Sampled:	03/24/2016
Formation:	DAKOTA	Sampled By:	KELLY MILLER
Cust. Stn. No.:		Foreman/Engr.:	

Remarks:

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	1.872	0.2060	0.00	0.0181
CO2	0.715	0.1220	0.00	0.0109
Methane	90.884	15.4440	917.93	0.5034
Ethane	2.782	0.7460	49.23	0.0289
Propane	1.896	0.5240	47.70	0.0289
Iso-Butane	0.386	0.1270	12.55	0.0077
N-Butane	0.645	0.2040	21.04	0.0129
I-Pentane	0.183	0.0670	7.32	0.0046
N-Pentane	0.215	0.0780	8.62	0.0054
Hexane Plus	0.422	0.1890	22.24	0.0140
Total	100.000	17.7070	1086.64	0.6347

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBLITY FACTOR (1/Z):	1.0026
BTU/CU.FT (DRY) CORRECTED FOR (1/Z):	1092.0
BTU/CU.FT (WET) CORRECTED FOR (1/Z):	1073.0
REAL SPECIFIC GRAVITY:	0.6361

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

DRY BTU @ 14.650:	1086.1	CYLINDER #:	6225
DRY BTU @ 14.696:	1089.5	CYLINDER PRESSURE:	104 PSIG
DRY BTU @ 14.730:	1092.0	DATE RUN:	3/29/16 11:10 AM
DRY BTU @ 15.025:	1113.9	ANALYSIS RUN BY:	JENNIFER DEAN

GAS ANALYSIS SERVICE

ANDERSON OIL

WELL ANALYSIS COMPARISON

Lease:	FEDERAL #3; CSG	CASING	03/30/2016
Stn. No.:		DAKOTA	13055-10005
Mtr. No.:			

Smpl Date:	03/24/2016
Test Date:	03/29/2016
Run No:	AO160002
Nitrogen:	1.872
CO2:	0.715
Methane:	90.884
Ethane:	2.782
Propane:	1.896
I-Butane:	0.386
N-Butane:	0.645
I-Pentane:	0.183
N-Pentane:	0.215
Hexane+:	0.422
BTU:	1092.0
GPM:	17.7070
SPG:	0.6361

30-045-23620

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

Analysis No: AO160001
Cust No: 13055-10000

Well/Lease Information

Customer Name:	ANDERSON OIL	Source:	BRADENHEAD
Well Name:	FEDERAL #3; BHD	Pressure:	70 PSIG
County/State:	SAN JUAN	Sample Temp:	DEG. F
Location:		Well Flowing:	Y
Field:		Date Sampled:	03/24/2016
Formation:	DAKOTA	Sampled By:	KELLY MILLER
Cust. Stn. No.:		Foreman/Engr.:	

Remarks:

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	1.856	0.2050	0.00	0.0180
CO2	0.706	0.1210	0.00	0.0107
Methane	90.958	15.4560	918.68	0.5038
Ethane	2.758	0.7390	48.81	0.0286
Propane	1.876	0.5180	47.20	0.0286
Iso-Butane	0.384	0.1260	12.49	0.0077
N-Butane	0.650	0.2050	21.20	0.0130
I-Pentane	0.181	0.0660	7.24	0.0045
N-Pentane	0.219	0.0800	8.78	0.0055
Hexane Plus	0.412	0.1840	21.72	0.0136
Total	100.000	17.7000	1086.12	0.6340

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBLITY FACTOR (1/Z):	1.0026
BTU/CU.FT (DRY) CORRECTED FOR (1/Z):	1091.5
BTU/CU.FT (WET) CORRECTED FOR (1/Z):	1072.5
REAL SPECIFIC GRAVITY:	0.6354

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

DRY BTU @ 14.650:	1085.6	CYLINDER #:	4244
DRY BTU @ 14.696:	1089.0	CYLINDER PRESSURE:	72 PSIG
DRY BTU @ 14.730:	1091.5	DATE RUN:	3/29/16 11:03 AM
DRY BTU @ 15.025:	1113.4	ANALYSIS RUN BY:	PATRICIA KING

GAS ANALYSIS SERVICE

ANDERSON OIL

WELL ANALYSIS COMPARISON

Lease:	FEDERAL #3; BHD	BRADENHEAD	03/30/2016
Stn. No.:		DAKOTA	13055-10000
Mtr. No.:			

Smpl Date:	03/24/2016
Test Date:	03/29/2016
Run No:	AO160001
Nitrogen:	1.856
CO2:	0.706
Methane:	90.958
Ethane:	2.758
Propane:	1.876
I-Butane:	0.384
N-Butane:	0.650
I-Pentane:	0.181
N-Pentane:	0.219
Hexane+:	0.412
BTU:	1091.5
GPM:	17.7000
SPG:	0.6354