



NEW MEXICO ENERGY, MINERALS & NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
AZTEC DISTRICT OFFICE
1000 RIO BRAZOS ROAD
AZTEC NM 87410
(505) 334-6178 FAX: (505) 334-6170
<http://emnr.state.nm.us/ocd/District/III/3district.htm>

BRADENHEAD TEST REPORT

(submit 1 copy to above address)

Date of Test 9.5.12 Operator FOURSTAR Oil-gas API #30-045-28702

Property Name nellie platano Well No 8 Location: Unit Section 10 Township 22 Range 9w

Well Status (Shut-In or Producing) Initial PSI: Tubing 11.1 Intermediate 7.6 Casing 10.1 Bradenhead 88.7

OPEN BRADENHEAD AND INTERMEDIATE TO ATMOSPHERE INDIVIDUALLY FOR 15 MINUTES EACH

Testing	PRESSURE					FLOW CHARACTERISTICS	
	Bradenhead			INTERM		BRADENHEAD	INTERMEDIATE
	BH	Int	Csg	Int	Csg		
TIME							
5 min	1.0	1	11.6			Steady Flow <u>XLIGHT</u>	
10 min	0.8	1	11.6			Surges	
15 min	0.6	1	11.8			Down to Nothing	
20 min	0.2	1	11.8			Nothing	
25 min	light blow	1	11.8			Gas	
30 min	very light	1	11.8			Gas & Water	
						Water	

If bradenhead flowed water, check all of the descriptions that apply below:

CLEAR FRESH SALTY SULFUR BLACK

5 MINUTE SHUT-IN PRESSURE

BRADENHEAD 0.2

INTERMEDIATE n/p

REMARKS:

Blew To 1.0 blow in 1 min 20 sec then blowing down to light in 20 min

By Randy Calco TL

Witness

Calco service
(Position)

BOTH csg and Bthead gas sampled

E-mail address Randy.oc@calcoservice.com



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

Analysis No: CH120063
Cust No: 74000-10040

Well/Lease Information

Customer Name: CHEVRON TEXACO
Well Name: NELLIE PLATERO #8
County/State: SAN JUAN NM
Location:
Field:
Formation: FRUITLAND COAL
Cust. Str. No.: 191-164

Source: BRADENHEAD
Pressure: 88 PSIG
Sample Temp: DEG. F
Well Flowing: Y
Date Sampled: 09/05/2012
Sampled By: CALDER
Foreman/Engr.:

Remarks:

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	1.162	0.1280	0.00	0.0112
CO2	0.013	0.0020	0.00	0.0002
Methane	87.837	14.9290	887.15	0.4865
Ethane	6.561	1.7590	116.11	0.0681
Propane	2.636	0.7280	66.32	0.0401
Iso-Butane	0.538	0.1770	17.50	0.0108
N-Butane	0.615	0.1940	20.06	0.0123
I-Pentane	0.253	0.0930	10.12	0.0063
N-Pentane	0.146	0.0530	5.85	0.0036
Hexane Plus	0.239	0.1070	12.60	0.0079
Total	100.000	18.1700	1135.72	0.6472

* @ 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): 1141.5
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1121.6
REAL SPECIFIC GRAVITY: 0.6488

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

DRY BTU @ 14.650: 1135.3
DRY BTU @ 14.696: 1138.9
DRY BTU @ 14.730: 1141.5
DRY BTU @ 15.025: 1164.4

CYLINDER #: 5022
CYLINDER PRESSURE: 85 PSIG
DATE RUN: 9/10/12 3:24 PM
ANALYSIS RUN BY: LOGAN CHENEY



CHEVRON TEXACO
WELL ANALYSIS COMPARISON

Lease: NELLIE PLATERO #8
Stn. No.: 191-164
Mtr. No.:

BRADENHEAD
FRUITLAND COAL

09/11/2012
74000-10040

Smpl Date:	09/05/2012	07/25/2012	03/12/2009	03/09/1994	03/30/1993	11/12/1992
Test Date:	09/10/2012	07/26/2012	03/31/2009	03/10/1994	04/01/1993	11/14/1992
Run No:	CH120063	CH120040	CH290018	TEX40009	TEX30048	TEX20046
Nitrogen:	1.162	1.275	1.329	0.226	0.221	0.166
CO2:	0.013	0.012	0.009	0.364	0.276	0.295
Methane:	87.837	87.556	87.291	90.936	90.842	93.613
Ethane:	6.561	6.730	6.692	4.876	4.941	4.086
Propane:	2.636	2.687	2.676	2.000	2.185	1.263
I-Butane:	0.538	0.536	0.556	0.429	0.463	0.293
N-Butane:	0.615	0.601	0.645	0.454	0.494	0.142
I-Pentane:	0.253	0.248	0.286	0.183	0.197	0.057
N-Pentane:	0.146	0.143	0.172	0.124	0.129	0.022
Hexane+:	0.239	0.212	0.344	0.408	0.252	0.063
BTU:	1141.5	1140.7	1148.7	1122.6	1122.6	1075.1
GPM:	18.1700	18.1740	18.2300	17.9780	17.9770	17.6140
SPG:	0.6488	0.6494	0.6549	0.6324	0.6309	0.6002



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

Analysis No: CH120064
Cust No: 74000-11430

Well/Lease Information

Customer Name: CHEVRON TEXACO
Well Name: NELLIE PLATERO #8
County/State: SAN JUAN NM
Location:
Field:
Formation:
Cust. Stn. No.:

Source: CASING
Pressure: 10 PSIG
Sample Temp: DEG. F
Well Flowing: Y
Date Sampled: 09/05/2012
Sampled By: CALDER
Foreman/Engr.:

Remarks:

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.248	0.0270	0.00	0.0024
CO2	0.759	0.1300	0.00	0.0115
Methane	91.424	15.5340	923.38	0.5064
Ethane	5.329	1.4280	94.31	0.0553
Propane	1.450	0.4000	36.48	0.0221
Iso-Butane	0.298	0.0980	9.69	0.0060
N-Butane	0.207	0.0650	6.75	0.0042
I-Pentane	0.091	0.0330	3.64	0.0023
N-Pentane	0.049	0.0180	1.96	0.0012
Hexane Plus	0.145	0.0650	7.64	0.0048
Total	100.000	17.7980	1083.86	0.6162

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0025

BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1089.1

BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1070.1

REAL SPECIFIC GRAVITY: 0.6174

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

DRY BTU @ 14.650: 1083.2

DRY BTU @ 14.696: 1086.6

DRY BTU @ 14.730: 1089.1

DRY BTU @ 15.025: 1110.9

CYLINDER #: 7008

CYLINDER PRESSURE: 10 PSIG

DATE RUN: 9/10/12 3:25 PM

ANALYSIS RUN BY: PATRICIA KING



CHEVRON TEXACO
WELL ANALYSIS COMPARISON

Lease: NELLIE PLATERO #8
Stn. No.:
Mtr. No.:

CASING

09/11/2012
74000-11430

Smpl Date: 09/05/2012
Test Date: 09/10/2012
Run No: CH120064

Nitrogen: 0.248
CO2: 0.759
Methane: 91.424
Ethane: 5.329
Propane: 1.450
I-Butane: 0.298
N-Butane: 0.207
I-Pentane: 0.091
N-Pentane: 0.049
Hexane+: 0.145

BTU: 1089.1
GPM: 17.7980
SPG: 0.6174



Nellie Platero 8
San Juan County, New Mexico
Current Well Schematic as of 08-31-2007

Geologic Tops:
Ojo Alamo 680'
Kirtland 1320'
Fruitland 1902'
Pictured Cliffs 2128'

API: 30-045-28702
Legals: Sec 10 - T 27N - R 9W
Field: Basin

KB 13'
KB Elev 6132'
Gr Elev 6119'

Surface Casing:

8-5/8", 24#, WC-50, ST&C, set @ 300' in 12-1/4" Hole
TOC = 0' w/ 340 sks (circulated 150 sks)

Tubing Details:

1 jt, 2-3/8", 4.7#, J-55, EUE
8' tbg sub, 2-3/8", 4.7#, J-55, EUE
10' tbg sub, 2-3/8", 4.7#, J-55, EUE
65 jts, 2-3/8", 4.7#, J-55, EUE
2-3/8" Seating Nipple
2-3/8" x 16' Mule Shoe
EOT = 2138.36'

Rod String Details:

1-1/4" x 16' Polished Rod
3/4" x 2' Pony Rod
3/4" x 4' Pony Rod
3/4" x 6' Pony Rod
3/4" x 8' Pony Rod
73, 3/4" rods
10, 1-1/4" x 25' Sinker Bars
2" x 3.40' Stabilizer Bar
2" x 1-1/4" x 12' x 12', 3" RHAC pump

Fruitland Coal Perfs : 4 spf: 180 holes

2005' - 228' 2075'
2030' - 2031' 2077' - 2084'
2036' - 2039' 2088' - 2089'
2050' - 2052' 2091' - 2092'
2065' - 2067' 2120' - 2125'

Frac: 1000 gal 7-1/2% HCL & 52,878 gals
XLG fresh water w/ 213,000 #'s 20/40 sand
Max psi = 861 ; Min psi = 490 ; Avg psi = 650
Avg rate = 30 bpm

Production Casing:

5-1/2", 15.54#, WC-50, LT&C, set @ 2210' in 7-7/8" Hole
TOC = 0' w/ 460 sks (circulated 51 sks)

Tagged @ 2153'
on 8-29-2007

PBTD = 2155'

TD = 2210'

Prepared by: James Carpenter
Date: 5/22/2007

Revised by: James Carpenter
Date: 8/31/07