



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://emr.nd.state.nm.us/ocd/District/03/district.htm>

BRADENHEAD TEST REPORT

(submit 1 copy to above address)

Date of Test 9-4-12 Operator Four STAR OIL-GAS API # 30-045-30603

Property Name Blanco Well No 1B Location: Unit Section 1 Township 27N Range 9W

Well Status (Shut-In) or Producing Initial PSI: Tubing 171 Intermediate N/A Casing 171.3 Bradenhead 166.3

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	<u>175 min</u>	<u>N/A</u>	<u>171.5</u>			
5 min	<u>Blow</u>				<u>LIGHT</u>	
10 min	<u>15 sec</u>		<u>171.9</u>			
15 min	<u>15 sec</u>		<u>171.8</u>			
20 min	<u>15 sec</u>		<u>171.8</u>			
25 min	<u>15 sec</u>		<u>171.8</u>			
30 min	<u>15 sec</u>		<u>171.8</u>			

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

CLEAR FRESH SALTY SULFUR BLACK

5 MINUTE SHUT-IN PRESSURE BRADENHEAD 163 INTERMEDIATE N/A

REMARKS:

Blew To 0.2 Blow in 20 sec, 7 sec vapors at 18 min

Both csg and Blhead gas samples Taken

By Randy calder

Witness

Calders service
(Position)

E-mail address Randy.c@calderservices.com



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

Analysis No: CH120051
Cust No: 74000-11390

Well/Lease Information

Customer Name: CHEVRON TEXACO
Well Name: BLANCO #1B CSG
County/State: SAN JUAN NM
Location:
Field:
Formation:
Cust. Stn. No.:

Source: CASING
Pressure: 171 PSIG
Sample Temp: DEG. F
Well Flowing:
Date Sampled: 09/04/2012
Sampled By: CALDER
Foreman/Engr.:

Remarks:

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	2.071	0.2290	0.00	0.0200
CO2	0.002	0.0000	0.00	0.0000
Methane	76.791	13.0650	775.59	0.4253
Ethane	10.217	2.7420	180.81	0.1061
Propane	6.462	1.7870	162.59	0.0984
Iso-Butane	1.361	0.4470	44.26	0.0273
N-Butane	1.592	0.5040	51.94	0.0319
I-Pentane	0.595	0.2180	23.81	0.0148
N-Pentane	0.436	0.1590	17.48	0.0109
Hexane Plus	0.473	0.2120	24.93	0.0157
Total	100.000	19.3630	1281.40	0.7505

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0038
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1289.3
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1266.9
REAL SPECIFIC GRAVITY: 0.753

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

DRY BTU @ 14.650: 1282.3
DRY BTU @ 14.696: 1286.3
DRY BTU @ 14.730: 1289.3
DRY BTU @ 15.025: 1315.1

CYLINDER #: 4167
CYLINDER PRESSURE: 154 PSIG
DATE RUN: 9/5/12 9:35 AM
ANALYSIS RUN BY: BRANDY MEDFORD



CHEVRON TEXACO
WELL ANALYSIS COMPARISON

Lease: BLANCO #1B CSG
Stn. No.:
Mtr. No.:

CASING

09/06/2012
74000-11390

Smpl Date: 09/04/2012
Test Date: 09/05/2012
Run No: CH120051

Nitrogen: 2.071
CO2: 0.002
Methane: 76.791
Ethane: 10.217
Propane: 6.462
I-Butane: 1.361
N-Butane: 1.592
I-Pentane: 0.595
N-Pentane: 0.436
Hexane+: 0.473

BTU: 1289.3
GPM: 19.3630
SPG: 0.7530



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

Analysis No: CH120052
Cust No: 74000-10560

Well/Lease Information

Customer Name: CHEVRON TEXACO
Well Name: BLANCO #1B BHD
County/State: SAN JUAN NM
Location:
Field:
Formation:
Cust. Stn. No.:

Source: BRADENHEAD
Pressure: 161 PSIG
Sample Temp: DEG. F
Well Flowing:
Date Sampled: 09/04/2012
Sampled By: TONY BECENTI
Foreman/Engr.:

Remarks:

Analysis

Component:	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	2.079	0.2290	0.00	0.0201
CO2	0.002	0.0000	0.00	0.0000
Methane	85.279	14.4970	861.32	0.4724
Ethane	6.093	1.6340	107.83	0.0633
Propane	4.004	1.1060	100.74	0.0610
Iso-Butane	0.878	0.2880	28.55	0.0176
N-Butane	0.944	0.2980	30.80	0.0189
I-Pentane	0.279	0.1020	11.16	0.0070
N-Pentane	0.188	0.0680	7.54	0.0047
Hexane Plus	0.254	0.1140	13.39	0.0084
Total	100.000	18.3360	1161.33	0.6733

* @ 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): 1167.5
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1147.2
REAL SPECIFIC GRAVITY: 0.6751

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

DRY BTU @ 14.650: 1161.2
DRY BTU @ 14.696: 1164.8
DRY BTU @ 14.730: 1167.5
DRY BTU @ 15.025: 1190.9

CYLINDER #: 6198
CYLINDER PRESSURE: 149 PSIG
DATE RUN: 9/5/12 9:55 AM
ANALYSIS RUN BY: BRANDY MEDFORD



CHEVRON TEXACO
WELL ANALYSIS COMPARISON

Lease: BLANCO #1B BHD
Stn. No.:
Mtr. No.:

BRADENHEAD

09/06/2012
74000-10560

Smpl Date:	09/04/2012	07/18/2012	12/16/2003
Test Date:	09/05/2012	07/19/2012	12/17/2003
Run No:	CH120052	CH120029	CH230011
Nitrogen:	2.079	2.067	2.004
CO2:	0.002	0.007	0.000
Methane:	85.279	85.344	85.413
Ethane:	6.093	6.089	6.158
Propane:	4.004	3.993	3.963
I-Butane:	0.878	0.875	0.851
N-Butane:	0.944	0.935	0.930
I-Pentane:	0.279	0.274	0.270
N-Pentane:	0.188	0.184	0.183
Hexane+:	0.254	0.232	0.228
BTU:	1167.5	1165.8	1165.5
GPM:	18.3360	18.3260	18.3280
SPG:	0.6751	0.6739	0.6732