

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://emrdd.state.nm.us/ocd/District III/district.htm](http://emrdd.state.nm.us/ocd/District%20III/district.htm)

BRADENHEAD TEST REPORT

(submit 1 copy to above address)

Date of Test 8-20-12 Operator FOURSTAR ROJIS API # 30-045-08667

Property Name: GOV F NCT Well No: 1 Location: Unit Section S Township 29 Range 12

Well Status(Shut-In or Producing) Initial PSI: Tubing 227 Intermediate 7 1/2 Casing 225 Bradenhead 3.4

OPEN BRADENHEAD AND INTERMEDIATE TO ATMOSPHERE INDIVIDUALLY FOR 15 MINUTES EACH

PRESSURE					
Testing	Bradenhead			INTERM	
	BH	Int	Csg	Int	Csg
TIME					
5 min	○	1/4	225		
10 min	○		225		
15 min	○		227		
20 min	○		228		
25 min	○		229		
30 min	○		230		

FLOW CHARACTERISTICS BRADENHEAD INTERMEDIATE	
Steady Flow	
Surges	
Down to Nothing X	
Nothing	
Gas	
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 0.7 INTERMEDIATE N/A

REMARKS:

REMARKS: Blow To nothing in 4 sec, Thadawl for 30 sec,
gas sample pulled off csg + B-Hnd.

By Randy Calcote
Calder service
(Position)

Witness

E-mail address Randy.c@calder-services.com



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

Analysis No: CH120057
Cust No: 74000-10565

Well/Lease Information

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

Source: BRADENHEAD
Pressure: 3.4 PSIG
Sample Temp: DEG. F
Well Flowing:
Date Sampled: 08/30/2012
Sampled By: TONY BECENTI
Foreman/Engr.:

Remarks: PRESSURED WITH HELIUM TO 30 LBS.

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	2.565	0.2830	0.00	0.0248
CO2	0.107	0.0180	0.00	0.0016
Methane	82.842	14.0980	836.70	0.4589
Ethane	6.287	1.6880	111.26	0.0653
Propane	2.208	0.6110	55.56	0.0336
Iso-Butane	0.358	0.1180	11.64	0.0072
N-Butane	0.714	0.2260	23.29	0.0143
I-Pentane	0.330	0.1210	13.20	0.0082
N-Pentane	0.308	0.1120	12.35	0.0077
Hexane Plus	4.281	1.9170	225.65	0.1417
Total	100.000	19.1920	1289.66	0.7633

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0041
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1298.0
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1275.4
REAL SPECIFIC GRAVITY: 0.7661

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

DRY BTU @ 14.650: 1291.0
DRY BTU @ 14.696: 1295.0
DRY BTU @ 14.730: 1298.0
DRY BTU @ 15.025: 1324.0

CYLINDER #: 6181
CYLINDER PRESSURE: PSIG
DATE RUN: 9/4/12 10:11 AM
ANALYSIS RUN BY: BRANDY MEDFORD



CHEVRON TEXACO
WELL ANALYSIS COMPARISON

Lease: GOVERNMENT F #1 BHD
Stn. No.:
Mtr. No.:

BRADENHEAD

09/06/2012
74000-10565

Smpl Date:	08/30/2012	07/06/2012	12/17/2003
Test Date:	09/04/2012	07/09/2012	12/17/2003
Run No:	CH120057	CH120015	CH230012
Nitrogen:	2.565	0.405	0.535
CO2:	0.107	0.006	0.647
Methane:	82.842	86.108	84.368
Ethane:	6.287	7.771	8.653
Propane:	2.208	3.099	3.634
I-Butane:	0.358	0.502	0.510
N-Butane:	0.714	0.910	0.944
I-Pentane:	0.330	0.341	0.272
N-Pentane:	0.308	0.289	0.216
Hexane+:	4.281	0.569	0.221
BTU:	1298.0	1192.9	1181.4
GPM:	19.1920	18.5620	18.5820
SPG:	0.7661	0.6735	0.6780



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

Analysis No: CH120058
Cust No: 74000-11410

Well/Lease Information

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

Source: CASING
Pressure: 225 PSIG
Sample Temp: DEG. F
Well Flowing: N
Date Sampled: 08/30/2012
Sampled By: CALDER
Foreman/Engr.:

Remarks:

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.467	0.0520	0.00	0.0045
CO2	0.230	0.0390	0.00	0.0035
Methane	85.490	14.5340	863.45	0.4735
Ethane	7.772	2.0840	137.54	0.0807
Propane	3.207	0.8860	80.69	0.0488
Iso-Butane	0.543	0.1780	17.66	0.0109
N-Butane	1.012	0.3200	33.01	0.0203
I-Pentane	0.398	0.1460	15.92	0.0099
N-Pentane	0.338	0.1230	13.55	0.0084
Hexane Plus	0.543	0.2430	28.62	0.0180
Total	100.000	18.6050	1190.45	0.6786

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0031
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1196.9
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1176.1
REAL SPECIFIC GRAVITY: 0.6804

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

DRY BTU @ 14.650: 1190.4
DRY BTU @ 14.696: 1194.1
DRY BTU @ 14.730: 1196.9
DRY BTU @ 15.025: 1220.9

CYLINDER #: 6076
CYLINDER PRESSURE: 225 PSIG
DATE RUN: 9/4/12 10:19 AM
ANALYSIS RUN BY: BRANDY MEDFORD



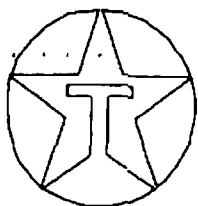
CHEVRON TEXACO
WELL ANALYSIS COMPARISON

Lease: GOVERNMENT F #1 CSG
Stn. No.:
Mtr. No.:

CASING

09/06/2012
74000-11410

Smpl Date: 08/30/2012
Test Date: 09/04/2012
Run No: CH120058
Nitrogen: 0.467
CO2: 0.230
Methane: 85.490
Ethane: 7.772
Propane: 3.207
I-Butane: 0.543
N-Butane: 1.012
I-Pentane: 0.398
N-Pentane: 0.338
Hexane+: 0.543
BTU: 1196.9
GPM: 18.6050
SPG: 0.6804



GOV'T 'F' No. 1

Current Completion

RSD 4/9/98

API Well No. : 30 045 08667

LOCATION:

993' FSL & 990' FWL
SW/4, SW/4, Sec. 5, T29N, R12W
San Juan County, NM

ELEVATION:

DF - 5605'

SPUD DATE: 12/4/83

COMPL. DATE: 1/13/64

FORMATION TOPS:

Pictured Cliffs	1617'
Mesa Verde	3203'
Mancos	4357'
Gallup	5283'
Greenhorn	6025'
Graneros	6084'
Dakota	6134'

DAKOTA PERFS:

6141', 6143', 6158', 6196'
6208', 6213', 6218', 6223',
6228', 6233', 6288', 6293',
6298, 6303', 6308' - 1 SPF

1/64 - Frac w/ 75,000# sand, 75,000 gal h2o
3/91 - Acidize 1000 gal 15% HCl

