



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://emrmd.state.nm.us/ocd/District 18/3district.htm](http://emrmd.state.nm.us/ocd/District%2018/3district.htm)

BRADENHEAD TEST REPORT

(submit 1 copy to above address)

Date of Test 9-5-12 Operator FOURSTAR OIL-GAS API # 30-045-30316

Property Name Stane canyon 32 Well No 11A Location: Unit Section 32 Township 30 Range 10

Well Status (Shut-In or Producing) Initial PSI: Tubing kd Intermediate n/a Casing 161 Bradenhead 7.8

OPEN BRADENHEAD AND INTERMEDIATE TO ATMOSPHERE INDIVIDUALLY FOR 15 MINUTES EACH

| Testing TIME | PRESSURE | | | | |
|--------------|------------|-----|-------|--------------|-----|
| | BRADENHEAD | | | INTERMEDIATE | |
| | BH | Int | Csg | Int | Csg |
| 5 min | 0 | 1 | 163.5 | X | |
| 10 min | 0 | 1 | 164.1 | | |
| 15 min | 0 | 1 | 164.2 | | |
| 20 min | 0 | 1 | 161.1 | | |
| 25 min | 0 | 1 | 160.6 | | |
| 30 min | 0 | 1 | 160.1 | | |

| | FLOW CHARACTERISTICS | |
|-----------------|----------------------|--------------|
| | BRADENHEAD | INTERMEDIATE |
| Steady Flow | | |
| Surges | | |
| Down to Nothing | X | Surge |
| 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 _____ INTERMEDIATE n/a

REMARKS: Blew down To very light blow in 20 sec then shut at 5min

BOTH Csg and B-Head gas samples pulled

By Randy Calcutt

Witness _____

Calcutt Service
(Position)

E-mail address Randy.C@calcutt-service.com



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

Analysis No: CH120065
 Cust No: 74000-11310

Well/Lease Information

| | |
|-------------------------------|--------------------------|
| Customer Name: CHEVRON TEXACO | Source: BRADENHEAD |
| Well Name: SLANE CANYON 32 1A | Pressure: 7.7 PSIG |
| County/State: SAN JUAN | Sample Temp: DEG. F |
| Location: | Well Flowing: |
| Field: | Date Sampled: 09/05/2012 |
| Formation: | Sampled By: CALDER |
| Cust. Str. No.: | Foreman/Engr.: |

Remarks: PRESSURED WITH HELIUM TO 30 LBS.

Analysis

| Component:: | Mole%: | **GPM: | *BTU: | *SP Gravity: |
|--------------|----------------|----------------|----------------|---------------|
| Nitrogen | 2.552 | 0.2820 | 0.00 | 0.0247 |
| CO2 | 0.041 | 0.0070 | 0.00 | 0.0006 |
| Methane | 84.566 | 14.3760 | 854.12 | 0.4684 |
| Ethane | 7.082 | 1.8990 | 125.33 | 0.0735 |
| Propane | 3.080 | 0.8510 | 77.50 | 0.0469 |
| Iso-Butane | 0.598 | 0.1960 | 19.45 | 0.0120 |
| N-Butane | 0.967 | 0.3060 | 31.55 | 0.0194 |
| I-Pentane | 0.391 | 0.1430 | 15.64 | 0.0097 |
| N-Pentane | 0.292 | 0.1060 | 11.71 | 0.0073 |
| Hexane Plus | 0.431 | 0.1930 | 22.72 | 0.0143 |
| Total | 100.000 | 18.3590 | 1158.00 | 0.6768 |

* @ 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): 1164.2
 BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1143.9
 REAL SPECIFIC GRAVITY: 0.6786

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

DRY BTU @ 14.650: 1157.9
 DRY BTU @ 14.696: 1161.5
 DRY BTU @ 14.730: 1164.2
 DRY BTU @ 15.025: 1187.5

CYLINDER #: 6209
 CYLINDER PRESSURE: PSIG
 DATE RUN: 9/10/12 3:26 PM
 ANALYSIS RUN BY: LOGAN CHENEY



CHEVRON TEXACO
WELL ANALYSIS COMPARISON

Lease: SLANE CANYON 32 1A
Stn. No.:
Mtr. No.:

BRADENHEAD

09/11/2012
74000-11310

| | | |
|------------|------------|------------|
| Smpl Date: | 09/05/2012 | 07/16/2012 |
| Test Date: | 09/10/2012 | 07/17/2012 |
| Run No: | CH120065 | CH120027 |
| Nitrogen: | 2.552 | 0.906 |
| CO2: | 0.041 | 0.002 |
| Methane: | 84.566 | 86.322 |
| Ethane: | 7.082 | 7.569 |
| Propane: | 3.080 | 3.201 |
| I-Butane: | 0.598 | 0.580 |
| N-Butane: | 0.967 | 0.838 |
| I-Pentane: | 0.391 | 0.260 |
| N-Pentane: | 0.292 | 0.176 |
| Hexane+: | 0.431 | 0.146 |
| BTU: | 1164.2 | 1163.7 |
| GPM: | 18.3590 | 18.3660 |
| SPG: | 0.6786 | 0.6600 |



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

Analysis No: CH120066
Cust No: 74000-11435

Well/Lease Information

Customer Name: CHEVRON TEXACO
Well Name: SLANE CANYON 32 1A
County/State: SAN JUAN NM
Location:
Field:
Formation:
Cust. Stn. No.:

Source: CASING
Pressure: 161 PSIG
Sample Temp: DEG. F
Well Flowing:
Date Sampled: 09/05/2012
Sampled By: CALDER
Foreman/Engr.:

Remarks:

Analysis

| Component: | Mole%: | **GPM: | *BTU: | *SP Gravity: |
|-------------|---------|---------|---------|--------------|
| Nitrogen | 0.414 | 0.0460 | 0.00 | 0.0040 |
| CO2 | 0.005 | 0.0010 | 0.00 | 0.0001 |
| Methane | 83.966 | 14.2800 | 848.06 | 0.4651 |
| Ethane | 7.675 | 2.0590 | 135.82 | 0.0797 |
| Propane | 4.187 | 1.1570 | 105.35 | 0.0637 |
| Iso-Butane | 0.738 | 0.2420 | 24.00 | 0.0148 |
| N-Butane | 1.223 | 0.3870 | 39.90 | 0.0245 |
| I-Pentane | 0.486 | 0.1780 | 19.44 | 0.0121 |
| N-Pentane | 0.423 | 0.1540 | 16.96 | 0.0105 |
| Hexane Plus | 0.883 | 0.3950 | 46.54 | 0.0292 |
| Total | 100.000 | 18.8990 | 1236.07 | 0.7038 |

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0034
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1243.2
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1221.6
REAL SPECIFIC GRAVITY: 0.7059

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

DRY BTU @ 14.650: 1236.4
DRY BTU @ 14.696: 1240.3
DRY BTU @ 14.730: 1243.2
DRY BTU @ 15.025: 1268.1

CYLINDER #: 4042
CYLINDER PRESSURE: 146 PSIG
DATE RUN: 9/10/12 3:27 PM
ANALYSIS RUN BY: LOGAN CHENEY



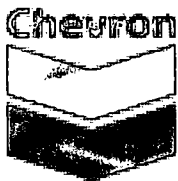
CHEVRON TEXACO
WELL ANALYSIS COMPARISON

Lease: SLANE CANYON 32 1A
Stn. No.:
Mtr. No.:

CASING

09/11/2012
74000-11435

Smpl Date: 09/05/2012
Test Date: 09/10/2012
Run No: CH120066
Nitrogen: 0.414
CO2: 0.005
Methane: 83.966
Ethane: 7.675
Propane: 4.187
I-Butane: 0.738
N-Butane: 1.223
I-Pentane: 0.486
N-Pentane: 0.423
Hexane+: 0.883
BTU: 1243.2
GPM: 18.8990
SPG: 0.7059



Slane Canyon 32-1A

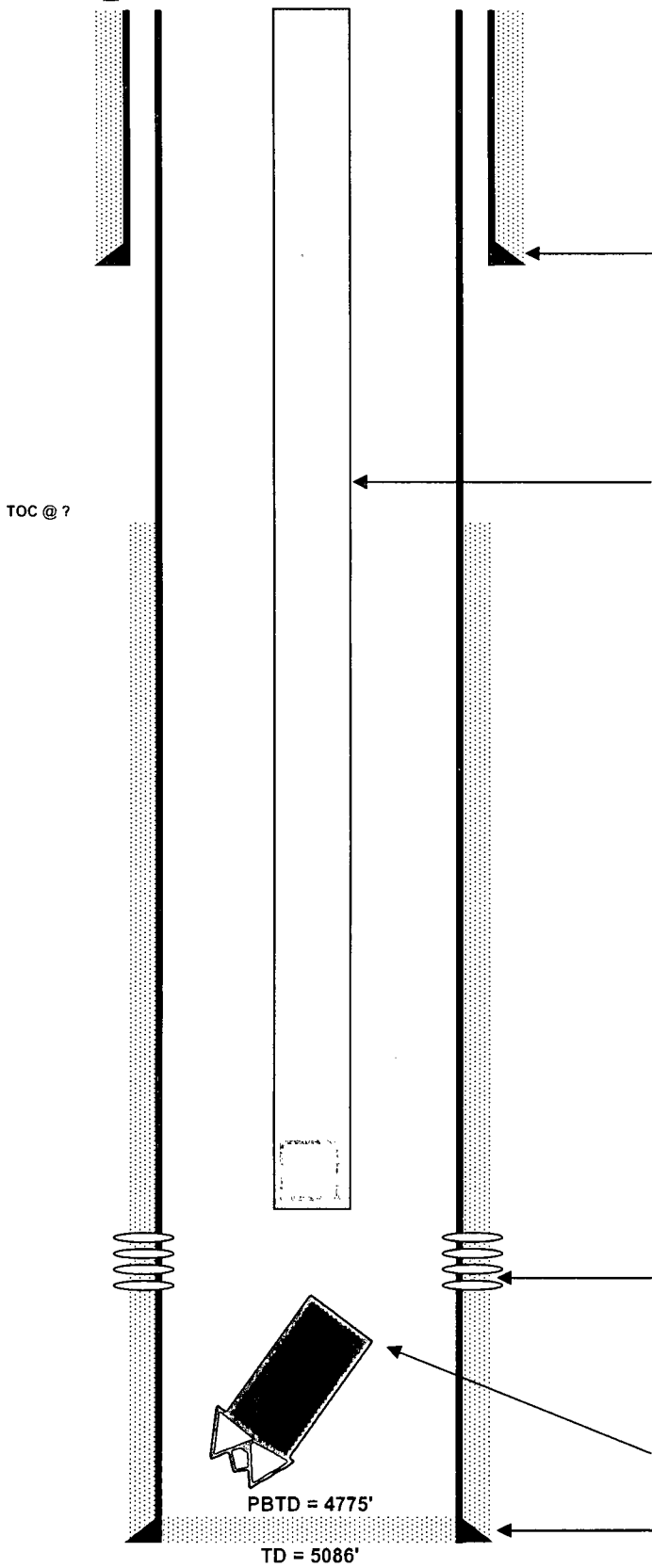
San Juan County, New Mexico

Current Well Schematic as of April 14, 2010

API: 30-045-30316
 Legals: Sec. 32, T30N, R10W
 Field:

KB Spud Date: 10/10/00
 KB Elev Compl Date: 5/1/02
 GR Elev 5944' Spacing

| Formations | Top |
|-----------------|------|
| Ojo Alamo | 1062 |
| Kirtlant | 1205 |
| Fruitland | 2110 |
| Pictured Cliffs | 2380 |
| Lewis | 2556 |
| Cliffhouse | 2850 |
| Menefee | 3922 |
| Point Lookout | 4142 |
| Mancos | 4657 |



Surface Casing:
 8 5/8" 32# K-55, 9 jts @ 350' in 12 1/4" hole
 262 sx Class G 2/2% S-1 & 0.25#/sk D-29
 circulated 22 bbls cmt to surf

currently on PL

Tubing:
 2 3/8" @ 4710'

Menefee: 2 spf, 0.41", 60 total holes
 4274-78, 4306-12, 4338-44, 4382-86, 4400-46, 4467-69, 4498-4500
 frac (4/23/02): 85 k# 16/30 Brady, 70,847 gal slickwtr
 56.5 bpm, 0.76 psi/ft frac grad, ISIP 1431
 Point Lookout: 2 spf, 0.41", 86 total holes
 4591-96, 4668-94, 4696-4700, 4723-36
 frac (4/23/02): 76 k# 16/30 Brady, 71,741 gal slickwtr
 56 bpm, 0.43 psi/ft frac grad

top of fish @ 4819'
 1 x 7.87" tri-cone bit, 9 x 6" drill collars

Production Casing:
 5 1/2" 15.5# J-55, 140 jts @ 4819'
 480 sx LITECRETE
 circulate 19 bbls cmt to surface

Prepared by: Jason Chow
 Date: 4/14/2010

Revised by:
 Date: