



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://emrwd.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-SER API # 30-045-30514

Property Name Slane Canyon 32 Well No 1-C Location: Unit Section 32 Township 30 Range 10

Well Status (Shut-In or Producing) Initial PSI: Tubing 111.6 Intermediate 7/0 Casing 130 Bradenhead 39.8

OPEN BRADENHEAD AND INTERMEDIATE TO ATMOSPHERE INDIVIDUALLY FOR 15 MINUTES EACH

Testing	PRESSURE			INTERM	
	BH	Int	Csg	Int	Csg
TIME					
5 min	0	1	129.7		
10 min	0	1	128.6		
15 min	0	1	127.9		
20 min	0	1	127.2		
25 min	0	1	126.7		
30 min	0	1	126.0		

FLOW CHARACTERISTICS	
BRADENHEAD	INTERMEDIATE
Steady Flow	
Surges	
Down to Nothing <u>X 4 min</u>	
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 1.4

INTERMEDIATE 1/2

REMARKS:

Blew Down Tubing in 13 sec, Shut in 4 min

Sample pulled from Both csg and Brhd

By Randy Calcutt

Witness

Caldar saruse
(Position)

E-mail address Randy.C@caldar saruse.com



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

Analysis No: CH120067
Cust No: 74000-11315

Well/Lease Information

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

Source: BRADENHEAD
Pressure: 39 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	1.971	0.2170	0.00	0.0191
CO2	0.019	0.0030	0.00	0.0003
Methane	88.925	15.1110	898.14	0.4926
Ethane	5.926	1.5890	104.87	0.0615
Propane	1.730	0.4780	43.53	0.0263
Iso-Butane	0.430	0.1410	13.98	0.0086
N-Butane	0.350	0.1110	11.42	0.0070
I-Pentane	0.194	0.0710	7.76	0.0048
N-Pentane	0.094	0.0340	3.77	0.0023
Hexane Plus	0.361	0.1610	19.03	0.0119
Total	100.000	17.9160	1102.50	0.6345

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0026
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1107.9
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1088.6
REAL SPECIFIC GRAVITY: 0.6359

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

DRY BTU @ 14.650: 1101.9
DRY BTU @ 14.696: 1105.3
DRY BTU @ 14.730: 1107.9
DRY BTU @ 15.025: 1130.1

CYLINDER #: 4134
CYLINDER PRESSURE: 36 PSIG
DATE RUN: 9/10/12 3:29 PM
ANALYSIS RUN BY: PATRICIA KING



CHEVRON TEXACO
WELL ANALYSIS COMPARISON

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

BRADENHEAD

09/11/2012
74000-11315

Smpl Date:	09/05/2012	07/16/2012
Test Date:	09/10/2012	07/17/2012
Run No:	CH120067	CH120028
Nitrogen:	1.971	1.913
CO2:	0.019	0.006
Methane:	88.925	88.947
Ethane:	5.926	5.533
Propane:	1.730	1.599
I-Butane:	0.430	0.396
N-Butane:	0.350	0.305
I-Pentane:	0.194	0.142
N-Pentane:	0.094	0.048
Hexane+:	0.361	1.111
BTU:	1107.9	1131.3
GPM:	17.9160	18.0470
SPG:	0.6359	0.6502



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

Analysis No: CH120068
Cust No: 74000-11440

Well/Lease Information

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

Source: CASING
Pressure: 130 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	0.264	0.0290	0.00	0.0026
CO2	0.009	0.0020	0.00	0.0001
Methane	78.656	13.3850	794.43	0.4357
Ethane	10.118	2.7160	179.06	0.1050
Propane	6.153	1.7010	154.82	0.0937
Iso-Butane	1.343	0.4410	43.67	0.0270
N-Butane	1.620	0.5130	52.85	0.0325
I-Pentane	0.605	0.2220	24.21	0.0151
N-Pentane	0.465	0.1690	18.64	0.0116
Hexane Plus	0.767	0.3430	40.43	0.0254
Total	100.000	19.5210	1308.10	0.7486

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.004
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1316.3
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1293.4
REAL SPECIFIC GRAVITY: 0.7512

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

DRY BTU @ 14.650: 1309.2
DRY BTU @ 14.696: 1313.3
DRY BTU @ 14.730: 1316.3
DRY BTU @ 15.025: 1342.7

CYLINDER #: 6215
CYLINDER PRESSURE: 55 PSIG
DATE RUN: 9/10/12 3:31 PM
ANALYSIS RUN BY: PATRICIA KING



CHEVRON TEXACO
WELL ANALYSIS COMPARISON

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

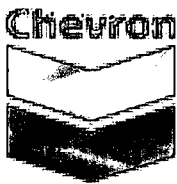
CASING

09/11/2012
74000-11440

Smpl Date: 09/05/2012
Test Date: 09/10/2012
Run No: CH120068

Nitrogen: 0.264
CO2: 0.009
Methane: 78.656
Ethane: 10.118
Propane: 6.153
I-Butane: 1.343
N-Butane: 1.620
I-Pentane: 0.605
N-Pentane: 0.465
Hexane+: 0.767

BTU: 1316.3
GPM: 19.5210
SPG: 0.7512



Slane Canyon 32-1C **San Juan County, New Mexico** **Current Well Schematic as of April 14, 2010**

TOC @ surf
after sqzes
by '02 CBL

API: 30-045-30514
 Legals: Sec. 32, T30N, R10W
 Field:

Formations	Top
Ojo Alamo	1217
Kirtland	1327
Fruitland	2004
Pictured Cliffs	2501
Lewis	2619
Chacra A	3320
Chacra B	3485
Cliff House	4034
Menefee	4152
Point Lookout	4782

KB Spud Date: 6/4/01
 KB Elev Compl Date:
 GR Elev 5944' Spacing

4-way sqze hole @ 335', 300 sx G (2/15/02)
 Surface Casing:
 8 5/8" 24# J-55, 9 jts @ 365'
 271 sx Class G, circ 30 bbls cmt to surf

currently on PL

4-way shot @ 2050', 66 sx litecrete, locked up (11/6/01)
 TOC @ surf (11/7), didn't test, spot 50 sx micrometric cmt

4-way shot @ 2485', 400 sx litecrete, 50 sx gasblock (10/12)
 no circ out bhead to pit, TOC @ 2330' (10/16)

4-way shot @ 3640', 350 sx litecrete, 50 sx gasblock (10/8)
 circ 20 bbls, TOC @ 2500' (10/10)

sqze holes @ 3970', 350 sx litecrete, 50 sx gasblock (10/5/01)
 no circ out bhead to pit, TOC @ 3760' (10/8)

Tubing:
 2 3/8" @ 4850'

Menefee (5/16/02): 2 spf, 0.41", 166 total holes, 83'
 4404-14, 4427-30, 4448-52, 4485-89, 4496-4516, 4584-98, 4638-58, 4690-92
 acid (5/17/02): 1000 gal 15% HCl
 frac (5/17/02): 100 k# 16/30 Brady, 33,663 gal wtr, 1.16 MMcf N2
 26 bpm, avg WHTP 4148, frac grad 0.64, ISIP 5865, screen out
 Point Lookout (5/10/02): 2 spf, 0.41", 82 total holes, 41'
 4782-90, 4792-98, 4804-11, 4819-25, 4850-60, 4894-96, 4904-06
 acid (5/15/02): 1000 gal 15% HCl
 frac (5/15/02): 65 k# 16/30 Brady, 26,159 gal wtr, 850 Mcf N2
 11.4 bpm, avg WHTP 3093, ISIP 758

Production Casing:
 4 1/2" 11.6# J-55, 120 jts @ 5100'
 1st stge: 170 sx LITECRETE, lost full returns 1/3 of the way
 2nd stge: total loss of returns as cmt exited DV, cut and displaced

DV @ 3787'

TOC @ 4000'
by 1st CBL

PBTD = 5057'

TD = 5100'