OCD Rec During MIT BP

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://emnrd.state.nm.us/ocd/District III/3district.htm

BRADENHEAD TEST REPORT

(submit 1 copy to above address)

Date of Test 9-4-12 Operator FOUR STAR OIL-GAS API #30-045-06876

Property Name Heath Victorian Well No 2 Location: Unit ___ Section 1 Township 27 Range 9W

Well Status(Shut-In or (Producing)) Initial PSI: Tubing 62 Intermediate X Casing 62 Bradenhead 34.5

OPEN BRADENHEAD AND INTERMEDIATE TO ATMOSPHERE INDIVIDUALLY FOR 15 MINUTES EACH

PRESSURE

Testing	Bradenhead BH	Bradenhead Int	Bradenhead Csg	INTERM Int	INTERM Csg
TIME 5 min	.4	X	62		
10 min	.3		69.5		
15 min	.3		70.3		
20 min	.2		72.		
25 min	BRK LOW		72.8		
30 min	very SLW		73.5		

FLOW CHARACTERISTICS

	BRADENHEAD	INTERMEDIATE
Steady Flow	X LIGHT	
Surges		
Down to Nothing		
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 20.6 INTERMEDIATE n/a

REMARKS: Down To wHope in 12sec

BTM Csg and B-Head gas samples Taken

By Randy Calcote Witness ___

Calder service
(Position)

E-mail address Randy.c@calderservices.com

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

Analysis No: CH120055
Cust No: 74000-11400

Well/Lease Information

Customer Name:	CHEVRON TEXACO	Source:	BRADENHEAD
Well Name:	NEAH VICTORIA #2 BHD	Pressure:	34.3 PSIG
County/State:	SAN JUAN NM	Sample Temp:	DEG. F
Location:		Well Flowing:	
Field:		Date Sampled:	09/04/2012
Formation:		Sampled By:	CALDER
Cust. Stn. No.:		Foreman/Engr.:	

8/4/12 ?

Remarks:

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	3.831	0.4230	0.00	0.0371
CO2	0.005	0.0010	0.00	0.0001
Methane	83.887	14.2590	847.26	0.4647
Ethane	5.486	1.4710	97.09	0.0570
Propane	3.960	1.0940	99.64	0.0603
Iso-Butane	1.001	0.3280	32.55	0.0201
N-Butane	0.992	0.3140	32.36	0.0199
I-Pentane	0.323	0.1180	12.92	0.0080
N-Pentane	0.206	0.0750	8.26	0.0051
Hexane Plus	0.309	0.1380	16.29	0.0102
Total	100.000	18.2210	1146.36	0.6824

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBLITY FACTOR (1/Z):	1.0029
BTU/CU.FT (DRY) CORRECTED FOR (1/Z):	1152.4
BTU/CU.FT (WET) CORRECTED FOR (1/Z):	1132.3
REAL SPECIFIC GRAVITY:	0.6841

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

DRY BTU @ 14.650:	1146.1	CYLINDER #:	6047
DRY BTU @ 14.696:	1149.7	CYLINDER PRESSURE:	32 PSIG
DRY BTU @ 14.730:	1152.4	DATE RUN:	9/5/12 10:06 AM
DRY BTU @ 15.025:	1175.5	ANALYSIS RUN BY:	BRANDY MEDFORD

CHEVRON TEXACO

WELL ANALYSIS COMPARISON

Lease:	NEAH VICTORIA #2 BHD	BRADENHEAD	09/06/2012
Stn. No.:			74000-11400
Mtr. No.:			

Smpl Date:	09/04/2012
Test Date:	09/05/2012
Run No:	CH120055
Nitrogen:	3.831
CO2:	0.005
Methane:	83.887
Ethane:	5.486
Propane:	3.960
I-Butane:	1.001
N-Butane:	0.992
I-Pentane:	0.323
N-Pentane:	0.206
Hexane+:	0.309
BTU:	1152.4
GPM:	18.2210
SPG:	0.6841

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

Analysis No: CH120056
Cust No: 74000-11405

Well/Lease Information

Customer Name:	CHEVRON TEXACO	Source:	CASING
Well Name:	NEAH VICTORIA #2 CSG	Pressure:	62 PSIG
County/State:	SAN JUAN NM	Sample Temp:	DEG. F
Location:		Well Flowing:	
Field:		Date Sampled:	09/04/2012
Formation:		Sampled By:	CALDER
Cust. Stn. No.:		Foreman/Engr.:	

Remarks:

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.162	0.0180	0.00	0.0016
CO2	0.574	0.0980	0.00	0.0087
Methane	87.360	14.8520	882.34	0.4839
Ethane	6.252	1.6770	110.64	0.0649
Propane	2.940	0.8120	73.97	0.0448
Iso-Butane	0.579	0.1900	18.83	0.0116
N-Butane	0.837	0.2650	27.31	0.0168
I-Pentane	0.320	0.1170	12.80	0.0080
N-Pentane	0.236	0.0860	9.46	0.0059
Hexane Plus	0.740	0.3310	39.01	0.0245
Total	100.000	18.4460	1174.35	0.6706

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBLITY FACTOR (1/Z):	1.0031
BTU/CU.FT (DRY) CORRECTED FOR (1/Z):	1180.7
BTU/CU.FT (WET) CORRECTED FOR (1/Z):	1160.2
REAL SPECIFIC GRAVITY:	0.6724

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

DRY BTU @ 14.650:	1174.3	CYLINDER #:	6111
DRY BTU @ 14.696:	1178.0	CYLINDER PRESSURE:	59 PSIG
DRY BTU @ 14.730:	1180.7	DATE RUN:	9/5/12 10:08 AM
DRY BTU @ 15.025:	1204.3	ANALYSIS RUN BY:	BRANDY MEDFORD

CHEVRON TEXACO

WELL ANALYSIS COMPARISON

Lease:	NEAH VICTORIA #2 CSG	CASING	09/06/2012
Stn. No.:			74000-11405
Mtr. No.:			

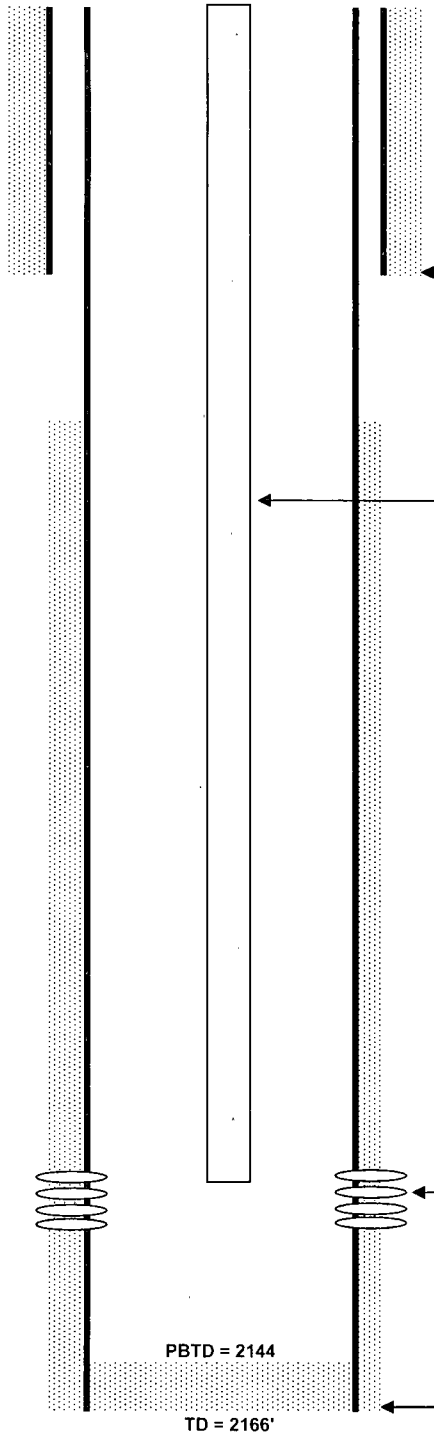
Smpl Date:	09/04/2012
Test Date:	09/05/2012
Run No:	CH120056
Nitrogen:	0.162
CO2:	0.574
Methane:	87.360
Ethane:	6.252
Propane:	2.940
I-Butane:	0.579
N-Butane:	0.837
I-Pentane:	0.320
N-Pentane:	0.236
Hexane+:	0.740
BTU:	1180.7
GPM:	18.4460
SPG:	0.6724

Neah Victoria #2
San Juan County, New Mexico
Current Well Schematic as of 1956

API: 30-045-06876
Legals: Sec 1- T 27N - R 9W
Field: Basin

KB
KB Elev
Grd Elev 5862'
Spud 8/24/1956
Larkin Wellhead

Formation	Top
Kirtland	1177
Pictured Cliffs	2018



Surface Casing:
8-5/8", 24#, J-55, SS set @ 194'
Cmt w/ 150 sks.

Tubing Details:
1" tbg set @ 2025'

Pictured Cliff:
2028-2110' (4 SPF)
Fraced with 41,284 gal water and 40,000# sand

PBTD = 2144

Production Casing:
5-1/2", 14#, J-55, SS set @ 2171' in 7-7/8" Hole
Cmt w/ 200 sxs

TD = 2166'

Prepared by: Viet Le
Date: 10/10/2012

Revised by:
Date: