OCD Rec during Mtg 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 9-5-12 Operator Chevron API #30-045-22030

Property Name Navajo L 18 Well No 8 Location: Unit ___ Section 18 Township 25N Range 10W

Well Status(Shut-In or Producing) Initial PSI: Tubing 72 Intermediate N/A Casing 55.1 Bradenhead 3.2

OPEN BRADENHEAD AND INTERMEDIATE TO ATMOSPHERE INDIVIDUALLY FOR 15 MINUTES EACH

Testing	PRESSURE Bradenhead BH	Bradenhead Int	Bradenhead Csg	INTERM Int	INTERM Csg
TIME					
5 min	0		55.1		
10 min	0		54.9		
15 min	0		54.9		
20 min	0		55.0		
25 min	0		55.1		
30 min	0		55.1		

FLOW CHARACTERISTICS	BRADENHEAD	INTERMEDIATE
Steady Flow		
Surges		
Down to Nothing	X 5min	
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 0.1 INTERMEDIATE N/A

REMARKS: Down To Light Blow in 30sec very Light Blow for 4min Then dead for Rest of Test.

By Brandy Caldwell

Calder Service
(Position)

E-mail address Brandy.C@calderservice.

Witness

BOTH csg and Bradhead gas samples taken

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

Analysis No: CH120061
Cust No: 74000-11420

Well/Lease Information

Customer Name:	CHEVRON TEXACO	Source:	BRADENHEAD
Well Name:	NAVAJO L18 #8	Pressure:	3.2 PSIG
County/State:	SAN JUAN NM	Sample Temp:	DEG. F
Location:		Well Flowing:	
Field:		Date Sampled:	09/05/2012
Formation:		Sampled By:	CALDER
Cust. Stn. No.:		Foreman/Engr.:	

Remarks: PRESSURED WITH HELIUM TO 30 LBS.

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	6.389	0.7040	0.00	0.0618
CO2	0.030	0.0050	0.00	0.0005
Methane	92.904	15.7760	938.33	0.5146
Ethane	0.402	0.1080	7.11	0.0042
Propane	0.091	0.0250	2.29	0.0014
Iso-Butane	0.038	0.0120	1.24	0.0008
N-Butane	0.007	0.0020	0.23	0.0001
I-Pentane	0.005	0.0020	0.20	0.0001
N-Pentane	0.000	0.0000	0.00	0.0000
Hexane Plus	0.134	0.0600	7.06	0.0044
Total	100.000	16.6940	956.46	0.5879

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBLITY FACTOR	(1/Z):	1.0019
BTU/CU.FT (DRY) CORRECTED FOR (1/Z):		960.5
BTU/CU.FT (WET) CORRECTED FOR (1/Z):		943.8
REAL SPECIFIC GRAVITY:		0.5888

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

DRY BTU @ 14.650:	955.3	CYLINDER #:	4116
DRY BTU @ 14.696:	958.3	CYLINDER PRESSURE:	PSIG
DRY BTU @ 14.730:	960.5	DATE RUN:	9/10/12 3:22 PM
DRY BTU @ 15.025:	979.7	ANALYSIS RUN BY:	LOGAN CHENEY

CHEVRON TEXACO

WELL ANALYSIS COMPARISON

Lease:	NAVAJO L18 #8	BRADENHEAD	09/11/2012
Stn. No.:			74000-11420
Mtr. No.:			

Smpl Date:	09/05/2012
Test Date:	09/10/2012
Run No:	CH120061
Nitrogen:	6.389
CO2:	0.030
Methane:	92.904
Ethane:	0.402
Propane:	0.091
I-Butane:	0.038
N-Butane:	0.007
I-Pentane:	0.005
N-Pentane:	0.000
Hexane+:	0.134
BTU:	960.5
GPM:	16.6940
SPG:	0.5888

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

Analysis No: CH120062
Cust No: 74000-11425

Well/Lease Information

Customer Name:	CHEVRON TEXACO	Source:	CASING
Well Name:	NAVAJO L18 #8	Pressure:	55 PSIG
County/State:	SAN JUAN NM	Sample Temp:	DEG. F
Location:		Well Flowing:	
Field:		Date Sampled:	09/05/2012
Formation:		Sampled By:	CALDER
Cust. Stn. No.:		Foreman/Engr.:	

Remarks:

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	3.112	0.3440	0.00	0.0301
CO2	0.013	0.0020	0.00	0.0002
Methane	77.251	13.1400	780.24	0.4279
Ethane	11.807	3.1680	208.95	0.1226
Propane	4.015	1.1100	101.02	0.0611
Iso-Butane	0.499	0.1640	16.23	0.0100
N-Butane	1.182	0.3740	38.56	0.0237
I-Pentane	0.588	0.2160	23.53	0.0146
N-Pentane	0.491	0.1790	19.68	0.0122
Hexane Plus	1.042	0.4660	54.92	0.0345
Total	100.000	19.1630	1243.12	0.7370

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBLITY FACTOR	(1/Z):	1.0036
BTU/CU.FT (DRY) CORRECTED FOR (1/Z):		1250.5
BTU/CU.FT (WET) CORRECTED FOR (1/Z):		1228.7
REAL SPECIFIC GRAVITY:		0.7394

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

DRY BTU @ 14.650:	1243.7	CYLINDER #:	5004
DRY BTU @ 14.696:	1247.6	CYLINDER PRESSURE:	51 PSIG
DRY BTU @ 14.730:	1250.5	DATE RUN:	9/10/12 3:23 PM
DRY BTU @ 15.025:	1275.5	ANALYSIS RUN BY:	LOGAN CHENEY

CHEVRON TEXACO

WELL ANALYSIS COMPARISON

Lease:	NAVAJO L18 #8	CASING	09/11/2012
Stn. No.:			74000-11425
Mtr. No.:			

Smpl Date:	09/05/2012
Test Date:	09/10/2012
Run No:	CH120062
Nitrogen:	3.112
CO2:	0.013
Methane:	77.251
Ethane:	11.807
Propane:	4.015
I-Butane:	0.499
N-Butane:	1.182
I-Pentane:	0.588
N-Pentane:	0.491
Hexane+:	1.042
BTU:	1250.5
GPM:	19.1630
SPG:	0.7394

Well: Navajo L8-18
Field: Basin

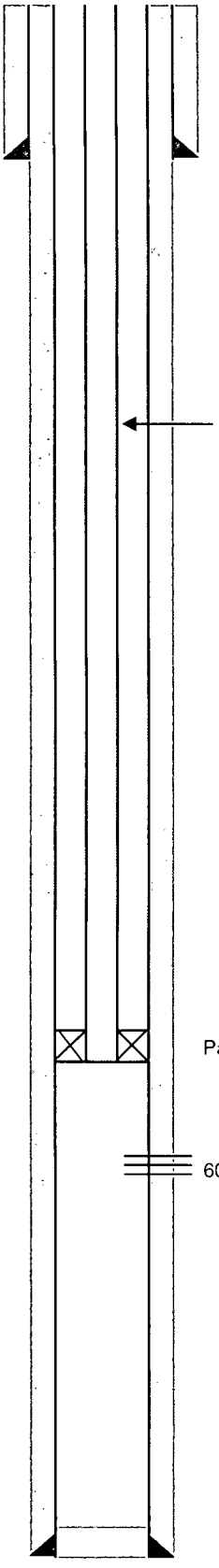
Elev 6554' KB 6541' GL

PURE RESOURCES

A Unocal Company

1500 FSL 1150 FWL Sec 18 T25N R10W
San Juan County, New Mexico
API#3004522030
Pure WI =
Pure NRI =
Drilled and Completed in June 1976

Cum Production: 3507652 MCF 34877 MBO
Dec-03



6/27/76 8 5/8" 24# J-55 8rd ST&C csg @ 757'
Cmt w/450 sx cmt
Circ cmt to surface

7/18/76 2 3/8 tbg @ 5820'

Packer @ 5813'

6063-6064, 6091-6110, 6124-6133
7/18/76 Perf
Acidize w/250 gals acid & 3 ball sealers
Frac w/95600 gals gelled wtr w/20000# 100 mesh sand & 208600# 20/40 sand
Avg rate 62 bpm, Avg press 2600, ISIP 1500

7/8/76 5 1/2" csg @ 6225'
Cmt 1st stage w/200 sx
Cmt 2nd stage w/600 sx

TD 6225'
PBTD 6180'

Formation Tops

Pictured Cliffs	1525
Cliff House	2367
Point Lookout	4022
Mancos	4250
Gallup/SD/SH	5059
Greenhorn	5934
Graneros	6088
Dakota	6170

Created April 2004