



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

BRADENHEAD TEST REPORT

(submit 2 copies to above address)

Date of Test 12-16-03 Operator Four Star Oil & Gas API #30-0 45-23628

Property Name JOHN CHARLES Well No. 8 Location: Unit B Section 13 Township 27N Range 9W

Well Status (Shut-In) or Producing) Tubing 105 Intermediate N/A Casing 121 Bradenhead 46

OPEN BRADENHEAD AND INTERMEDIATE TO ATMOSPHERE INDIVIDUALLY FOR 15 MINUTES EACH

TIME	PRESSURES:		BRADENHEAD FLOWED	INTERMEDIATE FLOWED
	INTERMEDIATE	CASING		
5 minutes		<u>122</u>	Steady Flow	
10 minutes		<u>123</u>	Surges	
15 minutes		<u>123</u>	Down to Nothing	
20 minutes		<u>124</u>	Nothing	
25 minutes			Gas	
30 minutes			Gas & Water	
			Water	<u>X</u>

If bradenhead flowed water, check all of the descriptions that apply below:

CLEAR X FRESH X SALTY _____ SULFUR _____ BLACK _____

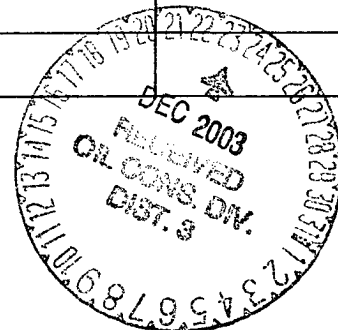
5 MINUTE SHUT-IN BRADENHEAD 32 INTERMEDIATE —

REMARKS:

Bradenhead bled down in 10 seconds through 2 inch ball valve.
Water started to flow within 5 minutes. Continuously flowed
approximately 3 gallons per minute.

By Tom Beant
Operation Technician
(Position)

Witness _____





2030 AFTON PLACE
FARMINGTON, N.M. 87401
(505) 325-6622

ANALYSIS NO. CH230014
CUST. NO. 74000 - 10575

WELL/LEASE INFORMATION

CUSTOMER NAME	CHEVRON TEXACO	SOURCE	BRADENHEAD
WELL NAME	JOHN CHARLES #8	PRESSURE	46 PSIG
COUNTY/ STATE	SAN JUAN NM	SAMPLE TEMP	N/A DEG.F
LOCATION		WELL FLOWING	Y
FIELD		DATE SAMPLED	12/16/03
FORMATION		SAMPLED BY	TONY BECENTI
CUST.STN.NO.		FOREMAN/ENGR.	

REMARKS BLANCO WASH

ANALYSIS

COMPONENT	MOLE %	GPM**	B.T.U.*	SP.GR *
NITROGEN	1.439	0.0000	0.00	0.0139
CO2	0.001	0.0000	0.00	0.0000
METHANE	86.146	0.0000	872.06	0.4772
ETHANE	6.716	1.7965	119.13	0.0697
PROPANE	3.006	0.8285	75.81	0.0458
I-BUTANE	0.496	0.1622	16.17	0.0100
N-BUTANE	0.793	0.2500	25.93	0.0159
I-PENTANE	0.309	0.1131	12.39	0.0077
N-PENTANE	0.228	0.0826	9.16	0.0057
HEXANE PLUS	0.866	0.3778	44.52	0.0279
TOTAL	100.000	3.6107	1,175.17	0.6738

* @ 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)	1,179.3
BTU/CU.FT (WET) CORRECTED FOR	(1/Z)	1,161.5
REAL SPECIFIC GRAVITY		0.6762

ANALYSIS RUN AT 14.730 PSIA & 60 DEGREES F

DRY BTU @ 14.650	1,172.9
DRY BTU @ 14.696	1,176.6
DRY BTU @ 14.730	1,179.3
DRY BTU @ 15.025	1,202.9

CYLINDER #	AZT 049
CYLINDER PRESSURE	38 PSIG
DATE RUN	12/17/03
ANALYSIS RUN BY	DAWN BLASSINGAME