



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/D3district.htm>

BRADENHEAD TEST REPORT

(submit 2 copies to above address)

Date of Test 9-04-03 Operator FOUR STAR OIL & GAS API #30-045-22678

Property Name MARSHALL A Well No. 6A Location: Unit E Section 14 Township 27N Range 9W

Well Status (Shut-In or Producing) Tubing 141 Intermediate N/A Casing 194 Bradenhead 84

OPEN BRADENHEAD AND INTERMEDIATE TO ATMOSPHERE INDIVIDUALLY FOR 15 MINUTES EACH

TIME	PRESSURES:		BRADENHEAD FLOWED	INTERMEDIATE FLOWED
	INTERMEDIATE	CASING		
5 minutes		<u>196</u>	Steady Flow	
10 minutes		<u>198</u>	Surges	
15 minutes		<u>198</u>	Down to Nothing <u>X</u>	
20 minutes		<u>199</u>	Nothing	
25 minutes			Gas	
30 minutes			Gas & Water	
			Water	

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

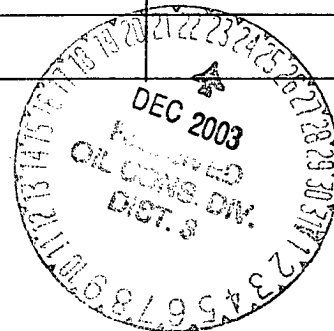
CLEAR _____ FRESH _____ SALTY _____ SULFUR _____ BLACK _____

5 MINUTE SHUT-IN BRADENHEAD < 1 INTERMEDIATE —

REMARKS: Bradenhead blew down in 2 minutes through 2 inch ball valve.
Whispered continuously.

By [Signature]
Operation Technician
(Position)

Witness _____





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

ANALYSIS NO. CH230017
CUST. NO. 74000 - 10590

WELL/LEASE INFORMATION

CUSTOMER NAME	CHEVRON TEXACO	SOURCE	BRADENHEAD
WELL NAME	MARSHALL A #6A	PRESSURE	94 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	1.210	0.0000	0.00	0.0117
CO2	0.004	0.0000	0.00	0.0001
METHANE	87.398	0.0000	884.73	0.4842
ETHANE	6.847	1.8316	121.45	0.0711
PROPANE	2.720	0.7496	68.60	0.0414
I-BUTANE	0.554	0.1812	18.06	0.0111
N-BUTANE	0.634	0.1999	20.73	0.0127
I-PENTANE	0.261	0.0955	10.47	0.0065
N-PENTANE	0.153	0.0554	6.15	0.0038
HEXANE PLUS	0.219	0.0955	11.26	0.0070
TOTAL	100.000	3.2088	1,141.45	0.6496

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

** @ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR	(1/Z)	1.0028
BTU/CU.FT (DRY) CORRECTED FOR	(1/Z)	1,144.8
BTU/CU.FT (WET) CORRECTED FOR	(1/Z)	1,127.5
REAL SPECIFIC GRAVITY		0.6514

ANALYSIS RUN AT 14.730 PSIA & 60 DEGREES F

DRY BTU @ 14.650	1,138.5
DRY BTU @ 14.696	1,142.1
DRY BTU @ 14.730	1,144.8
DRY BTU @ 15.025	1,167.7

CYLINDER #	9EK083
CYLINDER PRESSURE	92 PSIG
DATE RUN	12/17/03
ANALYSIS RUN BY	JANA CARANTA