



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://emrnl.state.nm.us/ocd/District III/3ddistrict.htm](http://emrnl.state.nm.us/ocd/District%20III/3ddistrict.htm)

OIL CONS. DIV DIST. 3

SEP 15 2015

BRADENHEAD TEST REPORT

(submit 1 copy to above address)

Date of Test 7-15-15 Operator M&G Drilling API #30-045-06312

Property Name Marren Well No. 42 Location: Unit M Section 22 Township 27N Range 8W

Well Status(Shut-In or Producing) Initial PSI: Tubing 9 Intermediate 59 Casing 78 Bradenhead 10

OPEN BRADENHEAD AND INTERMEDIATE TO ATMOSPHERE INDIVIDUALLY FOR 15 MINUTES EACH

Testing	PRESSURE			INTERM	
	BH	Int	Csg	Int	Csg
TIME					
5 min	<u>0</u>	<u>59</u>	<u>78</u>	<u>0</u>	<u>78</u>
10 min	<u>0</u>	<u>59</u>	<u>78</u>	<u>0</u>	<u>78</u>
15 min	<u>0</u>	<u>59</u>	<u>78</u>	<u>0</u>	<u>78</u>
20 min					
25 min					
30 min					

FLOW CHARACTERISTICS	
BRADENHEAD	INTERMEDIATE
Steady Flow <u>✓</u>	
Surges	
Down to Nothing	<u>✓</u>
Nothing	
Gas	
Gas & Water	
Water <u>✓</u>	

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

CLEAR ✓ FRESH ✓ SALTY \_\_\_\_\_ SULFUR \_\_\_\_\_ BLACK \_\_\_\_\_

5 MINUTE SHUT-IN PRESSURE BRADENHEAD 10 INTERMEDIATE 0

REMARKS:

Bradenhead flows 1 Gal. in 80 seconds.

By David Hinson

Witness \_\_\_\_\_

Field Foreman

(Position)

E-mail address \_\_\_\_\_

**M&G Drilling Company, Inc.**  
**Marron #42**  
**Lease No. NMNM-03605**  
**M Sec. 22: T27N-R08W**  
**San Juan County, NM**  
**API #30-045-06312**

KB:  
GL: 6,005'

12-1/4" Hole

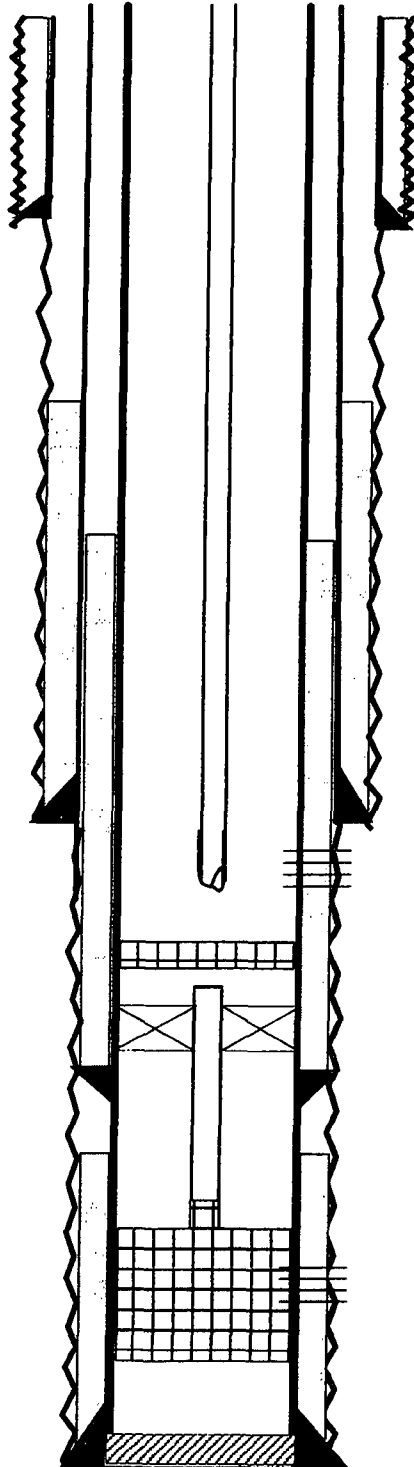
8-3/4" Hole

6-1/4" Hole

Tops:  
Ojo Alamo: 1,206'  
Kirtland: 1,390'  
Fruitland: 1,880'  
Pictured Cliffs: 2,210'  
Cliffhouse: 3,685'  
Point Lookout: 4,380'  
Greenhorn: 6,350'  
Dakota: 6,518'

WELL RECORDS ARE  
VERY POOR BELOW  
4,510'

PBTD: 4,510'  
TD: 6,610'



10-3/4" 32# csg @ 276' w/175 sx cmt.  
TOC @ Surface Calc. 75%

7" 17 & 26# csg @ 4,310' w/225 sx cmt.

TOC @ 3,280 Calc. 75%

TOC @ 4,000' – Survey???

2-3/8" Tbg @ 4,464'

Original open hole 4,310' – 4,545', shot w/825  
qts nitro.

Mesaverde from 4,408' – 4,494', frac'd w/  
40,000# sand & water.

Plugback to 4,510'

2-3/8" tbg cut off @ 4,512' w/pkr stuck @  
4,596'

DV Tool @ 4,600' cmt w/150 sx

TOC @ 4,884' Calc. 75%

Dakota @ 6,518-6,596' & frac'd w/20,000#  
sand & water

Squeeze Dakota perms w/48 sx cmt & left 2 sx cmt  
in tbg

Deepened to Dakota & set 4-1/2" 11.6# csg @  
6,610' w/200 sx cmt.