

**Well Name: Morton #3**

Date:

6/22/2003

**Operator:** Calpine Natural Gas  
**Field:** Harper Hills  
**Location:** SWNW Sec. 23-30N-14W  
**Footages:** 1810' FNL & 925' FWL  
**County:** San Juan  
**State:** New Mexico  
**API No.:** 30-045-31215  
**Elevation :** 5736 GL, 5741 KB

**Spud Date:** 11/14/2002

**First Prod.:**

**IP:**

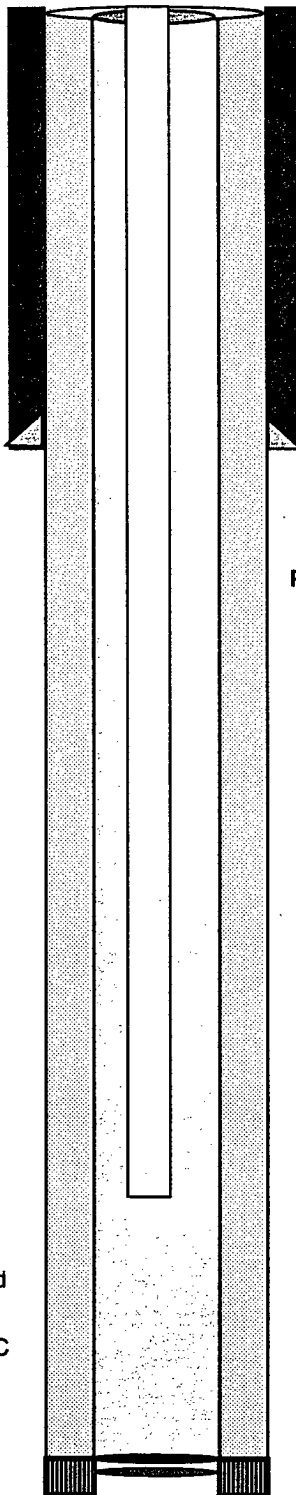
**Surface Hole: 8 3/4"**

**Production Hole: 6 1/4"**

**Tubing:** 44 jts. 2 3/8" J-55  
**Set at:** 1438'

**SN:** 1401'  
**Rods:** 51 3/4" rods  
and one 10' pony rod  
22' Polished Rod  
**Pump:** 2" x 1/2" x 12' RWAC

**PBTD:** 1487'  
**TD:** 1540'



**Surface Casing :** 7" 20#

**Set at :** 130'

**Cement:** 59 CF Class B with 3%  
CaCl<sub>2</sub> + 1/4 #/sk  
Celloflake

**Production Casing :** 4 1/2" 37 jts. J-55 10.5#

**Set at :** 1508'

**Cement:** 268 CF 2% Econolite +  
1/4 #/sk celloflake plus 59  
CF Class B with 1/4 #/sk  
celloflake.

**Upper Fruitland**

4 SPF

**Perfs:** 1274-1282

Frac'd with 5000# 20/40  
sd. At 12 BPM. Total fluid  
225 bbls. Frac screened

**Stimulation :** out.

**PC and Basal Fruitland**

2 SPF

**Perfs:** 1370-1382

1399-1402

Frac'd with 75000# 20/40  
sd. At 15.2 BPM. Total

**Stimulation :** fluid 1101 bbls.

