

**Well Name: Morton #1**

Date: 6/23/2003

**Operator:** Calpine Natural Gas  
**Field:** Basin FC & Harper Hills  
**Location:** SENE Sec. 23-30N-14W  
**Footages:** 1750' FNL & 1030' FEL  
**County:** San Juan  
**State:** New Mexico  
**API No.:** 30-045-25506  
**Elevation :** 5838 GL, 5825 KB

**Spud Date:** 2/20/1983  
**First Prod.:**  
**IP:**



**Surface Hole:** 12 1/4"

**Surface Casing :** 8 5/8" 24#  
**Set at :** 221'  
**Cement:** 123.9 CF Class B with 2% CaCl.  
**DV Tool :** 4397"

**Production Hole:** 7 7/8"

**Production Casing :** 4 1/2" J-55 11.6#  
**Set at :** 6384'  
**Cement:**  
1st Stage 490 CF 50-50  
Poz, 2nd stage 1715 CF  
Class B with 2 % Econofill.

**Upper Fruitland**  
4 SPF

**Perfs:** 1426-1434

Fraced with 5000# 40/70  
sand plus 30,000# 20/40  
sd. At 10 BPM. Total fluid

**Stimulation :** 490 bbls.

**Basal Fruitland**  
4 SPF  
1513-1527

Fraced with 5000# 40/70  
sand plus 50,000# 20/40  
sd. At 15 BPM. Total fluid

**Stimulation :** 883 bbls.

**PC**  
4 SPF

**Perfs:** 1532-1546

Fraced with 57,900#  
20/40 sd. At 49 BPM.

**Stimulation :** Total fluid 710 bbls.

**Tubing:** 48 jts. 2 3/8" J-55  
**Set at:** 1607'

**SN:** 1595'

**Rods:** 55 3/4" rods  
6', 2' and 3-4' pony rds  
22" Polished Rod

**Pump:** 2" x 1/2" x 12' RWAC

**PBTD:** 6341'  
**TD:** 6383'

Spot 100 sx Across Mesa  
Verde. TOC @ 2256'.

Spot 15 sx across Gallup  
top

Spot 50 sx across Dakota  
Perfs.

