

Well Name: Morton #4

Date:

6/22/2003

Operator: Calpine Natural Gas
Field: Harper Hills
Location: NESW Sec. 23-30N-14W
Footages: 1650' FSL & 1695' FWL
County: San Juan
State: New Mexico
API No.: 30-045-31214
Elevation : 5710 GL, 5715 KB

Spud Date: 11/9/2002
First Prod.:
IP:

Surface Casing : 7" 20#
Set at : 130'
Cement: 59 CF Class B with 3%
CaCl₂ + 1/4 #/sk
Celloflake

Surface Hole: 8 3/4"

Production Hole: 6 1/4"

Production Casing : 4 1/2" 37 jts. J-55 10.5#
Set at : 1519'
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
Fraced with 35000# 20/40
sd. At 12.2 BPM. Total

Stimulation : fluid 500 bbls.

PC and Basal Fruitland

2 SPF

Perfs: 1338-1352
1371-1374
Fraced with 75000# 20/40
sd. At 15.2 BPM. Total

Stimulation : fluid 1107 bbls.

Tubing: 43 jts. 2 3/8" J-55
Set at: 1392'

SN: 1360'

Rods: 53 3/4" rods
and 8' and 6' pony rod
22' Polished Rod

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

PBTD: 1496'
TD: 1540'

