

Hardy 36 State No.26

Production Data and Build-Up Analysis

I. Production Data

Initial Production Rate: 722 BOPD, 0 BWPD, 778 MCFD (24 hour)
(4/14/98) Well flowing on a 15/64" choke with
800 psig surface tubing pressure

Peak Production Rate: 1,570 BOPD, 0 BWPD, 1,331 MCFD (24 hour)
(4/29/98) Well flowing on a 28/64" choke with
550 psig surface tubing pressure

Current Production Rate: 553 BOPD, 0 BWPD, 540 MCFD (24 hour)
(3-23-99) Well flowing on a 17/64" choke with
740 psig surface tubing pressure

Note: Well is restricted to 5610 BOPM (187 BOPD depth allowable for 30 days).
The well is produced at 550 – 600 BOPD for approximately 10 days of each
calendar month and then shut-in for remaining 20 days.

Cumulative Production: 86,466 BO
(3-26-99) 12 BW
77,478 MCF

II. Pressure Build-Up Analysis Results

Build-Up Date 5-14-98
Build-Up Duration: 170 hours
Initial Reservoir Pressure: 3300 psia @ 7722'
Average Reservoir Pressure: 2808 psia @ 7722'
Formation Capacity (KH/u): 1258.8 md*ft/cp
Skin Factor (S): -6.439
Test Radius of Investigation: 1,979 feet
Drainage Area: 190 acres
Additional Results: Modeled as a heterogeneous naturally fractured
system with negative skin and closed rectangular
boundaries with dimensions of 1800' by 4600'.