

REPORT NO.
666666

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TEST DATE:
03-DEC-1996

S T A R

Schlumberger Testing Data Report

Pressure Data Report

Schlumberger

COMPANY: OXY USA INC.

WELL: PANTHER FEDERAL #1

TEST IDENTIFICATION

Test Type 4 POINT/BUILDUP
Test No. ONE
Formation MORROW
Test Interval (ft) .. 11701 to 11751

WELL LOCATION

Field LOCO HILLS
County EDDY
State NEW MEXICO

COMPLETION CONFIGURATION

Total Depth (MD/TVD) (ft) n.a.
Casing/Liner O.D. (in) 5.5"
Hole Size (in) 7.875
Perforated Interval (ft) 11,731'-11,751'
Shot Density (shots/ft) 4
Net Pay (ft) 20

TEST STRING CONFIGURATION

Tubing O.D. (in) 2.375
Gauge Depth (ft)/Type 11641/SLSR-871
Packer Depth (ft) not available

TEST CONDITIONS

Tbg/Wellhead Pressure (psi) ..
Separator Pressure (psi)

INTERPRETATION RESULTS

ROP (MCFD @ 15.25 psia) 4195
Angle of slope, theta 55.6
Slope, n 0.685

ROCK/FLUID/WELLBORE PROPERTIES

CO2/N2/H2S (mole %) 0.57/0.48/0.00
Gas Gravity 0.669
Water Cut (%) 0
Reservoir Temperature (F) 163
Viscosity (cp)
Total Compressibility (1/psi).
Porosity (%)
Form. Vol. Factor (bb1/STB)

PRODUCTION RATE DURING TEST: 4-Point Test

COMMENTS:

This is a 4-point test on the OXY Federal #1. Flowing gradient stops were made on the way into the hole, the well was flowed for 1.5 hours and then was shut-in for 66 hours. Shut-in gradient stops were made while coming out. The four-point test was run December 7, 1996. Gas samples were taken during the final flow period of the four point test. Analyses of these gas samples, as well as a copy of the four-point test are included in this report.

Thank you for using Schlumberger. For questions about this report please call Gil Hilsman at 512-684-0700.