

REPORT NO.
128406

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TEST DATE:
14-FEB-1991

STAR

Schlumberger Transient Data Report Pressure Data Report

Schlumberger

COMPANY: SANTA FE ENERGY RESOURCES

WELL: MUSKEGON 20 STATE COMM #1

TEST IDENTIFICATION

Test Type FOUR POINT TEST
Test No. ONE
Formation MORROW
Test Interval (ft) 10581 to 10764

WELL LOCATION

Field SOUTH EMPIRE
County LEA
State NEW MEXICO

COMPLETION CONFIGURATION

Total Depth (MD/TVD) (ft) 10915
Casing/Liner I.D. (in) 5.50 17# / 4.8
Hole Size (in) 7.875
Perforated Interval (ft) 10581 to 10764
Shot Density (shots/ft) 20 TOTAL SHOTS
Perforation Diameter (in)
Net Pay (ft) 183

TEST STRING CONFIGURATION

Tubing Length (ft)/I.D. (in).. 10410 / 1.994
Tubing Length (ft)/I.D. (in)..
Packer Depth (ft)
Gauge Depth (ft)/Type
Downhole Valve (Y/N)/Type

TEST CONDITIONS

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

INTERPRETATION RESULTS

Model of Behavior
Fluid Type Used for Analysis..
Reservoir Pressure (psi)
Transmissibility (md.ft/cp) ..
Effective Permeability (md) ..
Skin Factor
Storativity Ratio, Omega
Interporos.Flow Coef., Lambda..
Distance to an Anomaly (ft) ..
Radius of Investigation (ft) ..

ROCK/FLUID/WELLBORE PROPERTIES

Oil Density (deg. API)
Basic Solids (%)
Gas Gravity
GOR (scf/STB)
Water Cut (%)
Viscosity (cp)
Total Compressibility (1/psi).
Porosity (%)
Reservoir Temperature (F)
Form.Vol.Factor (bbl/STB)

PRODUCTION RATE DURING TEST: Data Report

COMMENTS:

This report is on a four point test run on the Muskegon 20 State Comm #1 on 14-Feb-1991. Bottom hole pressures were recorded. Flowing and static gradient traverses are presented at rear of this report. The production data and the New Mexico C-122 are also enclosed.

The static gradient traverse indicates a gas gradient in the tubing.