

REPORT NO.
1070340

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TEST DATE:
18-DEC-1998

STAR

Schlumberger Transient Analysis Report Four-Point Test Pressure Data Analysis

Schlumberger

COMPANY: OXY USA INC

WELL: DUCHESS STATE 1

TEST IDENTIFICATION

Test Type 4-Point
Test No. ONE
Formation
Test Interval (ft) 9276 to 9314

WELL LOCATION

Field WILDCAT
County EDDY
State NM
Sec/Twn/Rng

COMPLETION CONFIGURATION

Total Depth (MD/TVD) (ft)
Casing/Liner I.D. (in)
Hole Size (in)
Perforated Interval (ft)
Shot Density (shots/ft)
Perforation Diameter (in)
Net Pay (ft)

TEST STRING CONFIGURATION

Tubing Length (ft)/I.D. (in)..
Tubing Length (ft)/I.D. (in)..
Packer Depth (ft)
Gauge Depth (ft)/Type 9200/SLSR-704
Downhole Valve (Y/N)/Type

TEST CONDITIONS

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

INTERPRETATION RESULTS

ROF, (MCFD) 32865
Slope, n 0.667
Angle of slope, theta 56.3

ROCK/FLUID/WELLBORE PROPERTIES

Oil Density (deg. API) 45 (assumed)
N₂/H₂S/CO₂ (mole%) 0.70/0.0/0.61
Gas Gravity 0.653
GLR (scf/STB) 61100
Water Cut (%)
Viscosity (cp)
Total Compressibility (1/psi)..
Porosity (%)
Reservoir Temperature (F) 158
Form.Vol.Factor (bbl/STB)

PRODUCTION RATE DURING TEST: Four-Point Test

COMMENTS:

This is an analysis of the four-point test run on 18-DEC-1998 following a 2-hour buildup. Analysis of this test indicates an ROF of 32865 MCFD. A total of 12 Bbl of liquid was produced during the 4 hour test. Thank-you for using Schlumberger Oilfield Services. Please call Diane Sykes-Bookhammer at (915) 684-0700 with any questions about this analysis.