

REPORT NO.
6416655

PAGE NO. 1

TEST DATE:
19-AUG-2000

STAR

Schlumberger Testing Data Report Pressure Data Report

Schlumberger

COMPANY: DEVON ENERGY

WELL: REEVES WEST #1

TEST IDENTIFICATION

Test Type OPEN HOLE DST
Test No. FOUR
Formation BONE SPRINGS
Test Interval (ft) 8501 to 8773
Depth Reference KB

WELL LOCATION

Field VACUUM SOUTH
County LEA
State NEW MEXICO
Sec/Twn/Rng 15-18S-35E
Elevation (ft) 3919

HOLE CONDITIONS

Total Depth (MD/TVD) (ft) 8773
Hole Size (in) 7.875
Casing/Liner I.D. (in) 9.625
Perf'd Interval/Net Pay (ft)..
Shot Density/Diameter (in) ...

MUD PROPERTIES

Mud Type CUT BRINE & POL
Mud Weight (lb/gal) 9.2
Mud Resistivity (ohm.m)
Filtrate Resistivity (ohm.m) .. 0.090 @ 100F
Filtrate Chlorides (ppm) 57000

INITIAL TEST CONDITIONS

Initial Hydrostatic (psi) 4142.84
Gas Cushion Type
Surface Pressure (psi)
Liquid Cushion Type
Cushion Length (ft)

TEST STRING CONFIGURATION

Pipe Length (ft)/I.D. (in) ... 7922 / 3.826
Collar Length (ft)/I.D. (in) .. 786 / 2.250
Packer Depths (ft) 8494, 8501, 8773
Bottomhole Choke Size (in) ... 1.00
Gauge Depth (ft)/Type 8513/NG-00018

NET PIPE RECOVERY

Volume	Fluid Type	Properties
509 ft	GAS CUT MUD	Rw 0.101 @ 88F 58000ppm

NET SAMPLE CHAMBER RECOVERY

Volume	Fluid Type	Properties
.06 cuft	Gas	
2300 cc	Mud	Rw 0.094 @ 88F 63000ppm
Pressure: 95 GOR: 0 GLR: 4		

INTERPRETATION RESULTS

Model of Behavior
Fluid Type Used for Analysis..
Reservoir Pressure (psi)
Transmissibility (md.ft/cp) ..
Effective Permeability (md) ..
Skin Factor/Damage Ratio
Storativity Ratio, Omega
Interporos. Flow Coef. Lambda..
Distance to an Anomaly (ft) ..
Radius of Investigation (ft)..
Potentiometric Surface (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) 139
Form. Vol. Factor (bbl/STB)

PRODUCTION RATE DURING TEST: Data Report

COMMENTS:

DST #4
THE TEST WAS MECHANICALLY SUCCESSFUL. THIS BONE SPRINGS FORMATION WAS EVALUATED FROM 8501' TO 8773' USING ONE FLOW & ONE SHUTIN. THE PIPE RECOVERY AFTER A 2 HOUR FLOW WAS 2.5 BBLs. OF GAS CUT MUD. THANK YOU FOR USING SCHLUMBERGER.