

REPORT NO.
139146

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TEST DATE:
17-Apr-1994

S T A R

Schlumberger Testing Data Report
Pressure Data Report

Schlumberger

COMPANY: Thornton Operating Company

WELL: Seagull Federal #1

TEST IDENTIFICATION

Test Type OH DST/SPRO
Test No. Two
Formation Devonian
Test Interval (ft) 9126 to 9170
Depth Reference KB

WELL LOCATION

Field Wildcat
County Chaves
State New Mexico
Sec/Twn/Rng S6T13SR29E
Elevation (ft) 3688

HOLE CONDITIONS

Total Depth (MD/TVD) (ft) 9170
Hole Size (in) 7.875
Casing/Liner I.D. (in)
Perf'd Interval/Net Pay (ft) .. / 7
Shot Density/Diameter (in) ...

MUD PROPERTIES

Mud Type
Mud Weight (lb/gal) 9.3
Mud Resistivity (ohm.m) 0.1097 @ 60F
Filtrate Resistivity (ohm.m)..
Filtrate Chlorides (ppm) 78000

INITIAL TEST CONDITIONS

Initial Hydrostatic (psi) 4574.29
Gas Cushion Type
Surface Pressure (psi)
Liquid Cushion Type
Cushion Length (ft)

TEST STRING CONFIGURATION

Pipe Length (ft)/I.D. (in) ... 8241 / 3.83
Collar Length (ft)/I.D. (in) .. 827 / 2.25
Packer Depths (ft)
Bottomhole Choke Size (in) ... 0.50
Gauge Depth (ft)/Type 9096/S/B

NET PIPE RECOVERY

Volume	Fluid Type	Properties
6374 ft	Gas cut	Rw0.128@60F 65000ppm
	Drilling	
	Fluid with	
	trace oil	

NET SAMPLE CHAMBER RECOVERY

Volume	Fluid Type	Properties
.24 cuft	Gas	
1200 cc	Oil	API 44@60F
900 cc	Mud	Rw0.128@60F 65000ppm
Pressure:68		GOR:32 GLR:18

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 (%) 10
Reservoir Temperature (F) 224
Form.Vol.Factor (bbl/STB)

PRODUCTION RATE DURING TEST: Data Report

COMMENTS:

This test was not mechanically successful due to a drill pipe leak. Thank you for using Schlumberger Testing Services. If you have any questions, please call (915)- 563-1434 or (505)-393-4307.