

REPORT NO.
139380

PAGE NO. 1

TEST DATE:
22-APR-94

S T A R

Schlumberger Testing Data Report

Pressure Data Report

THORNTON
Schlumberger

COMPANY: THORNTON OPERATING

WELL: SEAGULL MIDCON FEDERAL #1

TEST IDENTIFICATION

Test Type Open Hole DST
 Test No. FIVE
 Formation Devonian
 Test Interval (ft) 9187 to 9234
 Depth Reference GL

WELL LOCATION

Field Wildcat
 County Chaves
 State New Mexico
 Sec/Twn/Rng S6-13S-29E
 Elevation (ft) 3674

HOLE CONDITIONS

Total Depth (MD/TVD) (ft) 9234
 Hole Size (in) 7.875
 Casing/Liner I.D. (in) 8.625 02097
 Perf'd Interval/Net Pay (ft) .. / 8
 Shot Density/Diameter (in) ...

MUD PROPERTIES

Mud Type SaltGel/Starch/
 Mud Weight (lb/gal) 9.4
 Mud Resistivity (ohm.m)09 @ 77F
 Filtrate Resistivity (ohm.m)..
 Filtrate Chlorides (ppm) 74000

INITIAL TEST CONDITIONS

Initial Hydrostatic (psi) 4729.83
 Gas Cushion Type
 Surface Pressure (psi)
 Liquid Cushion Type
 Cushion Length (ft)

TEST STRING CONFIGURATION

Pipe Length (ft)/I.D. (in) ... 8339 / 3.826
 Collar Length (ft)/I.D. (in) .. 795 / 2.25
 Packer Depths (ft) 9181, 9187,
 Bottomhole Choke Size (in) ... 1.0
 Gauge Depth (ft)/Type 9155/SB-20393

NET PIPE RECOVERY

Volume	Fluid Type	Properties
2200 ft	WATER TOP	Rw.16070F 42000ppm
17.1 bbl	MIDDLE	Rw.19070F 36000ppm
	BOTTOM	Rw.24060F 32000ppm

NET SAMPLE CHAMBER RECOVERY

Volume	Fluid Type	Properties
2440 cc	Water	Rw.24060F 32000ppm
Pressure: 35		GOR: 0
		GLR: 0

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 (%) 7
 Reservoir Temperature (F) 154
 Form.Vol.Factor (bbl/STB)

PRODUCTION RATE DURING TEST: Data Report

COMMENTS:

Drillstem test #5 was successful. The formation produced 17.1 bbl. of water. Thank you for using SCHLUMBERGER TESTING.