

4/12/94

DST #1 (Morrow)

REPORT NO.
132188

PAGE NO. 1

TEST DATE:
12-APR-1994

S T A R

Schlumberger Testing Data Report

Pressure Data Report

Schlumberger

COMPANY: Thornton Operating Company

WELL: Seagull Midcon Federal #1

TEST IDENTIFICATION

Test Type Open Hole DST
 Test No. One
 Formation Morrow
 Test Interval (ft) 8276 to 8332 *
 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) 8332
 Hole Size (in) 7.875
 Casing/Liner I.D. (in) 8.625
 Perf'd Interval/Net Pay (ft) .. / 56
 Shot Density/Diameter (in) ...

MUD PROPERTIES

Mud Type SaltGel/Starch/
 Mud Weight (lb/gal) 9.4
 Mud Resistivity (ohm.m)083 @ 70F
 Filtrate Resistivity (ohm.m)..
 Filtrate Chlorides (ppm) 93000

INITIAL TEST CONDITIONS

Initial Hydrostatic (psi) 4290.61
 Gas Cushion Type
 Surface Pressure (psi)
 Liquid Cushion Type
 Cushion Length (ft)

TEST STRING CONFIGURATION

Pipe Length (ft)/I.D. (in) ... 7421 / 3.826
 Collar Length (ft)/I.D. (in) .. 797 / 2.25
 Packer Depths (ft) 8270, 8276,
 Bottomhole Choke Size (in)50
 Gauge Depth (ft)/Type 8247/SB-20319

NET PIPE RECOVERY

Volume	Fluid Type	Properties
90 ft	Drlg. Mud	Rw.083@70F 93000ppm

NET SAMPLE CHAMBER RECOVERY

Volume	Fluid Type	Properties
.7 cuft	Gas	
20 cc	Mud	Rw.083@70F 93000ppm
Pressure: 125		GOR: 0
		GLR: 5559

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) 138
 Form.Vol.Factor (bbl/STB)

PRODUCTION RATE DURING TEST: Data Report

COMMENTS:

This DST on the Morrow formation flowed .44 bbls of drilling fluid into test string. If you have any questions call Schlumberger Testing. Thank you.