

REPORT NO.
138445

PAGE NO. 1

TEST DATE:
16-SEP-1995

S T A R

Schlumberger Testing Data Report
Pressure Data Report

Schlumberger

COMPANY: MYCO IND. INC.

WELL: SHARBRO FEDERAL #1

TEST IDENTIFICATION

Test Type OH-DST-NG
Test No. 1
Formation ABALON SAND
Test Interval (ft) 8640 to 8702
Depth Reference GL

WELL LOCATION

Field DELAWARE
County LEA
State NEW MEXICO
Sec/Twp/Rng S7T23S-R32E
Elevation (ft) 3569

HOLE CONDITIONS

Total Depth (MD/TVD) (ft) 8702
Hole Size (in) 7.875
Casing/Liner I.D. (in) 8.625
Perf'd Interval/Net Pay (ft) .. / 28
Shot Density/Diameter (in) ...

MUD PROPERTIES

Mud Type FW
Mud Weight (lb/gal) 8.6
Mud Resistivity (ohm.m)
Filtrate Resistivity (ohm.m) .. 0.703 @ 60F
Filtrate Chlorides (ppm) 10000

INITIAL TEST CONDITIONS

Initial Hydrostatic (psi) 3805.60
Gas Cushion Type
Surface Pressure (psi)
Liquid Cushion Type
Cushion Length (ft)

TEST STRING CONFIGURATION

Pipe Length (ft)/I.D. (in) ... 7833 / 3.826
Collar Length (ft)/I.D. (in) .. 800 / 2.25
Packer Depths (ft) 8633, 8640,
Bottomhole Choke Size (in)94
Gauge Depth (ft)/Type 8641/NG-00019

NET PIPE RECOVERY

Volume	Fluid Type	Properties
25 ft	OIL	API 41.4@60F
260 ft	DRLG FLUID	Rw0.703@60F 10000ppm

NET SAMPLE CHAMBER RECOVERY

Volume	Fluid Type	Properties
.32 cuft	Gas	
1500 cc	Oil	API 41.4@60F
200 cc	Mud	10000ppm
Pressure: 150		GOR: 34
		GLR: 30

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 (%) 15
Reservoir Temperature (F) 131
Form.Vol.Factor (bbl/STB)

PRODUCTION RATE DURING TEST: Data Report

COMMENTS:

THIS DST OF THE ABALON SAND (8640-8702) WAS MECHANICALLY SUCCESSFUL. RECOVERED 25 FT OIL, 260 FT DRLG FLUID, 5438 FT GAS IN PIPE. MONITORED SEEPAGE DURING TEST. HOLE SEEPED 11 BBLs IN ANNULUS DURING TEST. THE DATA CANNOT BE ANALYZED FOR RESERVOIR PROPERTIES DUE TO INSUFFICIENT SHUTIN TIME. THE FINAL BUILDUP CURVE DOES SHOW CHARACTERISTICS OF DEEP DAMAGE. THANK YOU FOR USING SCHLUMBERGER TESTING.