

REPORT NO.
128049

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TEST DATE:
27-JUN-1992

S T A R

Schlumberger Testing Data Report
Pressure Data Report

Schlumberger

COMPANY: COLLINS & WARE, INC.

WELL: MULEY FEDERAL #1

TEST IDENTIFICATION

Test Type OH-MFE-DST
 Test No. ONE
 Formation STRAWN
 Test Interval (ft) 9665 to 9710
 Depth Reference KB

WELL LOCATION

Field WILDCAT
 County EDDY
 State NEW MEXICO
 Sec/Twn/Rng 26/23S/25E
 Elevation (ft) 3544

HOLE CONDITIONS

Total Depth (MD/TVD) (ft) 9710/9710
 Hole Size (in) 6
 Casing/Liner I.D. (in) 7" @ 9000'
 Perf'd Interval/Net Pay (ft) .. / 17
 Shot Density/Diameter (in) ...

MUD PROPERTIES

Mud Type BRINE
 Mud Weight (lb/gal) 9.4
 Mud Resistivity (ohm.m)068 @ 75F
 Filtrate Resistivity (ohm.m)..
 Filtrate Chlorides (ppm) 115000

INITIAL TEST CONDITIONS

Initial Hydrostatic (psi) 2628.50
 Gas Cushion Type
 Surface Pressure (psi)
 Liquid Cushion Type
 Cushion Length (ft)

TEST STRING CONFIGURATION

Pipe Length (ft)/I.D. (in) ... 8611 / 2.70
 Collar Length (ft)/I.D. (in) .. 1014 / 2.0
 Packer Depth (ft) 9659, 9665,
 Bottomhole Choke Size (in)94
 Gauge Depth (ft)/Type 9640/SB-20220

NET PIPE RECOVERY

Volume	Fluid Type	Properties
ft	DRUG MUD	Rw.068@75F 115000ppm

NET SAMPLE CHAMBER RECOVERY

Volume	Fluid Type	Properties
2.81 cuft	Gas	
150 cc	Dil	
250 cc	Mud	Rw.68@75F 115000ppm
Pressure: 500		GOR: 2975
		GLR: 1116

INTERPRETATION RESULTS

Model of Behavior
 Fluid Type Used for Analysis..
 Reservoir Pressure (psi)
 Transmissibility (md.ft/cp) ..
 Effective Permeability (md) ..
 Skin Factor/Damage Ratio
 Storage 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 (%) 12
 Reservoir Temperature (F) 163
 Form.Vol.Factor (bbl/STB)

PRODUCTION RATE DURING TEST: Data Report

COMMENTS:

THIS DST WAS A MECHANICALLY SUCCESSFUL TEST OF THE STRAWN FORMATION. THE TESTED INTERVAL FLOWED GAS WITH AN AVERAGE FLOW RATE OF 750 MCF/D. FORMATION PRESSURE WAS OVER HYDROSTATIC THEREFORE CAUSING PRESSURE TO BYPASS INTO ANNULUS DURING FINAL SHUTIN. DIRECT ANY QUESTIONS TO (505) 392-4109. THANK YOU FOR USING SCHLUMBERGER.