Dec 35, 15S, 33E unit M

REPORT NO. 102871 DST 1

PAGE NO. 1

TEST DATE: 14-Aug-1988

S T A R™

A Schlumberger Transient Analysis Report Of A Flopetrol Johnston Drillstem Test

FLOPETROL JOHNSTON Schlumberger

Company: SANTA FE ENERGY

Well: NH 35 #2

TEST IDENTIFICATION
Test Type ..... MFE OH SPRO TEL
Test No. ..... One
Formation ..... Wolfcamp
Test Interval (ft) ... 10080 to 10194
Reference Depth ..... Kelly Bushing

WELL LOCATION
Field ..... Wildcat
County ..... Lea
State ..... New Mexico
Elevation (ft) 4173

HOLE CONDITIONS
Total Depth (MD/TUD)(ft) . 10194
Hole Size (in) 7 7/8
Casing/Liner I.D. (in) ... --
Perf'd Interv./Nt Pay(ft). -- / 3
Shot Density/Diameter(in). --

MUD PROPERTIES
Mud Type ..... Fresh Water Gel
Mud Weight (lb/gal) 8.7
Mud Resistivity (ohm.m) .. 1.05 at 80 F
Filtrate Resistiv.(ohm.m). --
Filtrate Chlorides (ppm) . 3,030

INITIAL TEST CONDITIONS
Initial Hydrostatic (psi). 4714
Gas Cushion Type ..... None
Surface Pressure (psi) ... --
Liquid Cushion Type ..... Fresh Water
Cushion Length (ft) ..... 182 (0.88 Bbl)

TEST STRING CONFIGURATION
Pipe Length (ft)/I.D.(in). 9575 / 3.83
Collar Length ft/I.D.(in). 464 / 2.25
Packer Depths (ft) 10074, 10080
Bottomhole Choke Size(in). 1/2
Gauge Depth (ft)/Type .... 10189 / J-200

NET PIPE RECOVERY

Volume	Fluid Type	Properties
182 feet	Cushion	Rw 2.6 at 80 F
		1,000 PPM

NET SAMPLE CHAMBER RECOVERY

Volume	Fluid Type	Properties
Trace	Oil	
2100 cc	Mud	Rw 1.05 at 80 F
		3,000 PPM
Press. 65	GOR:	GLR:

VALIDATION RESULTS
Model of Behavior .....
Fluid Type Used .....
Reservoir Pressure (psi) .
Transmissivity (md.ft/cp)
Permeability (md) .....
Skin Factor/Damage Ratio .
Storativity Ratio .....
Interporosity Flow Coeff..
Distance to Anomaly (ft).
Investigation Radius (ft).
Potentiometric Surf. (ft).

ROCK/FLUID/WELLBORE PROPERTIES
Oil Density (deg. API) ...
Basic Solids (%) .....
Gas Gravity .....
Water Cut (%) .....
Viscosity (cp) .....
Tot. Compress. (1/psi) ...
Porosity (%) 3
Reservoir Temperature (F). 141
Form.Vol.Factor (bbl/STB).

PRODUCTION RATE DURING TEST: --

COMMENTS:
This test was mechanically successful but the zone did not produce any volumes of oil or gas.

The general character of the buildup plots suggest that the zone has low effective permeability and no wellbore damage at the time and conditions of the test.