

REPORT NO:

47113E

WELL PERFORMANCE
TESTING™ REPORT

FLOPETROL JOHNSTON

Schlumberger -

TEST DATE:

14-Oct-84

A Production System Analysis (NODAL™)

Based on Model Verified™ Interpretation

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Company: Baker & Taylor Drilling

Well: T4 Cattle Company #1

TEST IDENTIFICATION

Test Type MFE Open Hole
 Test No. One
 Formation Sandstone
 Test Interval (ft) 6816' to 6864'
 Reference Depth Kelly Bushing

WELL LOCATION

Field Wildcat
 County San Miguel
 State New Mexico
 Sec/Twn/Rng 7/11N/27E
 Elevation (ft) --

HOLE CONDITIONS

Total Depth (MD/TVD) (ft) 8083
 Hole Size (in) 7 7/8
 Csg/Liner I.D. (in) --
 Perf'd Interval/Net Pay (ft) -/5
 Shot Density/Diameter (in) --

MUD PROPERTIES

Mud Type CLS
 Mud Weight (lb/gal) 9.4
 Mud Resistivity (OHM-M) --
 Filtrate Resistivity (OHM-M) .. .4 @ 60°
 Filtrate Chlorides (PPM) 3,500

INITIAL TEST CONDITIONS

Initial Hydrostatic (psi) 3,619
 Gas Cushion Type None
 Surface Pressure (psi) --
 Liquid Cushion Type None
 Cushion Length (ft) --

TEST STRING CONFIGURATION

Pipe Length (ft)/I.D. (in) 6576 / 3.83
 Collar Length (ft)/I.D. (in) 189 / 2.25
 Packer Depth(s) (ft) 6816 / 6864
 BH Choke Size (in) 15/16
 Gauge Depth (ft)/Type 6864 / J-200

NET PIPE RECOVERY

Volume	Fluid Type	Properties
931 Feet	Mud	Top 3,500 PPM
		Res. .4 @ 60 °F
		Mid. 7,000 PPM
		Bot 8,200 PPM
		Res. .6 @ 60°F

NET SAMPLE CHAMBER RECOVERY

Volume	Fluid Type	Properties
Pressure:	GOR:	GLR:

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
 Interporosity Flow Coeff
 Distance To An Anomaly (ft) ..
 Radius of Investigation (ft) ...
 Potentiometric Surface (ft) ...

ROCK/FLUID/WELLBORE PROPERTIES

Oil API
 Basic Solids
 Gas Gravity
 Water Cut (%)
 Viscosity (cp)
 Total Compressibility (1/psi) ..
 Porosity (%) 10
 Reservoir Temperature (F) 132

PRODUCTION RATE DURING TEST:

COMMENTS:

Unsuccessful Test: Due to formation failure and sheared J-pin.