

REPORT NO.
6556623

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TEST DATE:
18-SEP-2000

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Schlumberger Testing Data Report

Pressure Data Report

Schlumberger

COMPANY: EOG RESOURCES, INC.

WELL: SIBYL-1 FED COM #1, DST #1

TEST IDENTIFICATION

Test Type OPEN HOLE DST
Test No. ONE
Formation ATOKA
Test Interval (ft) 10780 to 10983
Depth Reference KB

WELL LOCATION

Field
County EDDY
State NEW MEXICO
Sec/Twn/Rng 1/18e/30e
Elevation (ft) 3590

HOLE CONDITIONS

Total Depth (MD/TVD) (ft) 10983
Hole Size (in) 7.875
Casing/Liner I.D. (in) 8.625 * 4200'
Perf'd Interval/Net Pay (ft) .. / 10
Shot Density/Diameter (in) ...

MUD PROPERTIES

Mud Type XCD-PAC
Mud Weight (lb/gal) 9.1
Mud Resistivity (ohm.m)
Filtrate Resistivity (ohm.m) .. 0.148 * 60F
Filtrate Chlorides (ppm) 55000

INITIAL TEST CONDITIONS

Initial Hydrostatic (psi) 5139.59
Gas Cushion Type
Surface Pressure (psi)
Liquid Cushion Type
Cushion Length (ft)

TEST STRING CONFIGURATION

Pipe Length (ft)/I.D. (in) ... 9900 / 3.64
Collar Length (ft)/I.D. (in) .. 992 / 2.25
Packer Depths (ft) 10773, 10780,
Bottomhole Choke Size (in) ... 0.94
Gauge Depth (ft)/Type 10788/SLSR-777

NET PIPE RECOVERY

Volume	Fluid Type	Properties
	SLIGHTLY	
600 ft	GAS CUT MUD	Rw0.156*60F 52000ppm
	GAS/H2O CUT	
180 ft	MUD	Rw0.167*60F 48000ppm
180 ft	H2O CUT MUD	Rw0.174*60F 46000ppm

NET SAMPLE CHAMBER RECOVERY

Volume	Fluid Type	Properties
0.87 cuft	Gas	
0 cc	Oil	
1400 cc	Water	Rw0.189*60F 42000pp
0 cc	Mud	
Pressure: 300	GOR: 0	GLR: 99

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) 149
Form.Vol.Factor (bbl/STB)

PRODUCTION RATE DURING TEST: Data Report

COMMENTS:

We had a successful test. The maximum gas flow rate was 47 MCFD, but it was dropping before we shut the tool. The top of the recovery was 2.37 bbls. of slightly gas cut mud. The middle was .88 bbl. of slightly gas and water cut mud. The bottom was .88 bbl. of slightly water cut mud, a little thinner than the middle. The sample chamber water was slightly mud cut. Thank you for using Schlumberger.

