

REPORT NO.
1139302

PAGE NO. 1

TEST DATE:
04-SEP-1998

S T A R

Schlumberger Transient Analysis Report Four-Point Test Interpretation Pressure Data Analysis

Schlumberger

COMPANY: OXY		WELL: DUKE FEDERAL #1	
TEST IDENTIFICATION		WELL LOCATION	
Test Type	SL BU/4-PT	Field	
Test No.	ONE	County	EDDY
Formation		State	NM
Test Interval (ft)	9562 to 9573		
COMPLETION CONFIGURATION		TEST STRING CONFIGURATION	
Total Depth (MD/TVD) (ft)		Tubing Length (ft)/I.D. (in) ..	
Casing/Liner I.D. (in)		Tubing Length (ft)/I.D. (in) ..	
Hole Size (in)		Packer Depth (ft)	
Perforated Interval (ft)	9562 to 9573	Gauge Depth (ft)/Type	9486/SLSR-794
Shot Density (shots/ft)		Downhole Valve (Y/N)/Type	
Perforation Diameter (in)		TEST CONDITIONS	
Net Pay (ft)		Tbg/Wellhead Pressure (psi) .. -- to 1950	
		Separator Pressure (psi) 725 to 750	
INTERPRETATION RESULTS		ROCK/FLUID/WELLBORE PROPERTIES	
AOFL (mcf/d)	8256	Oil Density (deg. API)	40 (assumed)
n, slope	0.652	CO2/H2S/N2 (mol %)	0.884/0.0/0.899
Angle of slope, theta	56.9	Gas Gravity	0.704
		GLR (scf/STB)	83323
		Water Cut (%)	--
		Viscosity (cp)	
		Total Compressibility (1/psi) ..	
		Porosity (%)	
		Reservoir Temperature (F)	153
		Form.Vol.Factor (bbl/STB)	

PRODUCTION RATE DURING TEST: Four Point Test

COMMENTS:

This is an analysis of the four-point test run on 9-SEP-1998 following a 68-hour buildup. Absolute open flow is calculated as 8256 MCFD. A total of 2.9 bbls. of liquid was produced during the four-point test. Thank-you for choosing Schlumberger Oilfield Services. If you have any questions about this interpretation, please call Diane Sykes-Bookhammer • (915) 684-0700.