

REPORT NO.
6416655

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TEST DATE:
16-AUG-2000

STAR

Schlumberger Testing Data Report Pressure Data Report

COMPANY: DEVON ENERGY

WELL: REEVES WEST #1

TEST IDENTIFICATION

Test Type OPEN HOLE DST
Test No. THREE
Formation WOLFCAMP
Test Interval (ft) 10250 to 10500
Depth Reference KB

WELL LOCATION

Field VACUUM SOUTH
County LEA
State NEW MEXICO
Sec/Twn/Rng 15-18S-35E
Elevation (ft) 3919

HOLE CONDITIONS

Total Depth (MD/TVD) (ft) 10500/10500
Hole Size (in) 7.875
Casing/Liner I.D. (in) 9.625
Perf'd Interval/Net Pay (ft) ..
Shot Density/Diameter (in) ...

MUD PROPERTIES

Mud Type CUT BRINE & POL
Mud Weight (lb/gal) 9.1
Mud Resistivity (ohm.m)
Filtrate Resistivity (ohm.m) ... 0.109 @ 81F
Filtrate Chlorides (ppm) 58000

INITIAL TEST CONDITIONS

Initial Hydrostatic (psil) 4958.19
Gas Cushion Type
Surface Pressure (psil)
Liquid Cushion Type
Cushion Length (ft)

TEST STRING CONFIGURATION

Pipe Length (ft)/I.D. (in) ... 9642 / 3.826
Collar Length (ft)/I.D. (in) .. 789 / 2.250
Packer Depth (ft) 10245, 10250,
Bottomhole Choke Size (in) ... 1.00
Gauge Depth (ft)/Type 10498/NG-00018

NET PIPE RECOVERY

Volume	Fluid Type	Properties
1209 ft	GAS CUT MUD	Rw0.106081F 60000ppm
	HEAVY GAS	
2053 ft	CUT WATER	Rw0.091077F 75000ppm
2053 ft	GAS CUT H2O	Rw0.090078F 75000ppm

NET SAMPLE CHAMBER RECOVERY

Volume	Fluid Type	Properties
1.34 cuft	Gas	
20 cc	Oil	
2080 cc	Water	Rw0.093075F 75000pp
Pressure: 1150 GOR: 10642 GLR: 101		

INTERPRETATION RESULTS

Model of Behavior
Fluid Type Used for Analysis..
Reservoir Pressure (psil)
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/psil).
Porosity (%)
Reservoir Temperature (F) 155
Form.Vol.Factor (bbl/STB)

PRODUCTION RATE DURING TEST: Data Report

COMMENTS:

THIS IS DST #3, THE WOLFCAMP FORMATION WAS EVALUATED FROM 10250' TO 10500'. THE TEST WAS CONCLUSIVE. THE RECOVERY WAS 17.2 BBLS. OF GAS CUT MUDDY WATER & 53.1 BBLS. OF WATER. THE BOTTOM OF THE MIDDLE RECOVERY HAD A VERY LIGHT SKIM OF OIL ON THE 10 STANDS THAT WERE DRAINED. THANK YOU FOR USING SCHLUMBERGER.