

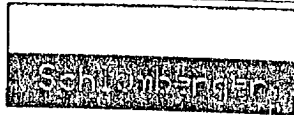
REPORT NO.  
6416655

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TEST DATE:  
14-AUG-2000

# STAR

## Schlumberger Testing Data Report Pressure Data Report



COMPANY: DEVON ENERGY WELL: REEVES WEST #1

TEST IDENTIFICATION		WELL LOCATION	
Test Type	HOOK STRADDLE	Field	
Test No.	TWO	County	LEA
Formation	BONE SPRINGS	State	NEW MEXICO
Test Interval (ft)	8500 to 8796	Sec/Twn/Rng	15-18S-35E
Depth Reference	KB	Elevation (ft)	3919

HOLE CONDITIONS		MUD PROPERTIES	
Total Depth (MD/TVD) (ft)	10500/10500	Mud Type	CUT BRINE & POL
Hole Size (in)	7.875	Mud Weight (lb/gal)	9.2
Casing/Liner I.D. (in)	9.625	Mud Resistivity (ohm.m)	
Perf'd Interval/Net Pay (ft)		Filtrate Resistivity (ohm.m)	0.104 @ 82F
Shot Density/Diameter (in)		Filtrate Chlorides (ppm)	60000

INITIAL TEST CONDITIONS		TEST STRING CONFIGURATION	
Initial Hydrostatic (psi)	4156.63	Pipe Length (ft)/I.D. (in)	7951 / 3.826
Gas Cushion Type		Collar Length (ft)/I.D. (in)	786 / 2.250
Surface Pressure (psi)		Packer Depth (ft)	8484, 8500, 8796
Liquid Cushion Type		Bottomhole Choke Size (in)	1.00
Cushion Length (ft)		Gauge Depth (ft)/Type	8796/NG-00013

NET PIPE RECOVERY		
Volume	Fluid Type	Properties
226 ft	MUD	Rw 0.114 @ 81F 55000ppm
	SLIGHTLY GAS	
255 ft	CUT MUD	Rw 0.108 @ 78F 61000ppm
255 ft	MUD	Rw 0.107 @ 80F 60000ppm

NET SAMPLE CHAMBER RECOVERY		
Volume	Fluid Type	Properties
.13 cuft	Gas	
2200 cc	Mud	Rw 0.101 @ 85F 60000ppm
Pressure: 152	GOR: 0	GLR: 9

**INTERPRETATION RESULTS**

Model of Behavior .....

Fluid Type Used for Analysis ..

Reservoir Pressure (psi) .....

Transmissibility (md.ft/op) ..

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) .....

Base Solids (%) .....

Gas Gravity .....

GOR (ccf/STB) .....

Water Cut (%) .....

Viscosity (cp) .....

Total Compressibility (1/psi) ..

Porosity (%) .....

Reservoir Temperature (F) .... 143

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

**PRODUCTION RATE DURING TEST: Data Report**

**COMMENTS:**

THIS IS DST #2. THE FORMATION WAS EVALUATED FROM 8500' TO 8796' USING A HOOK WALL TEST STRING. THE INITIAL FLOW & INITIAL SHUTIN ARE VALID. HOWEVER THE PACKER SEAT FAILED 4 MINUTES INTO THE FINAL FLOW PERIOD. 5.7 BBLS. OF MUD WAS RECOVERED IN THE PIPE.

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

PAV  
100  
100  
100