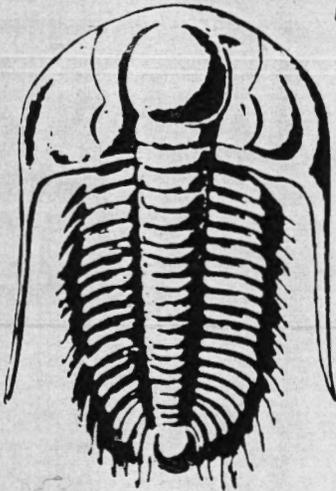


JUN. 10 1993

# ORIGINAL

## Drill-Stem Test Data

e ELMORE #3 Test No. 1 Date 6/6/93  
GRAND MESA OPERATING Zone FORT SCOTT  
200 E FIRST STREET #307 WICHITA KS 67202 Elevation 2422  
Geo. LARRY FRIEND Cont. DUKE #4 Est. Ft. of Pay \_\_\_\_\_  
Sec. 17 Twp. 17S Rge. 24W Co. NESS State KS



# TRILOBITE TESTING, L.L.C.

# TEST REPORT

# TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

## Drill-Stem Test Data

Name ELMORE #3 Test No. 1 Date 6/6/93  
Company GRAND MESA OPERATING Zone FORT SCOTT  
Address 200 E FIRST STREET #307 WICHITA KS 67202 Elevation 2422  
Operator/Geo. LARRY FRIEND Cont. DUKE #4 Est. Ft. of Pay \_\_\_\_\_  
Location: Sec. 17 Twp. 17S Rge. 24W Co. NESS State KS

Interval Tested 4261-4300 Drill Pipe Size 4.5" XH  
Cable Length 39 Wt. Pipe I.D. - 2.7 Ft. Run 183  
Packer Depth 4256 Drill Collar - 2.25 Ft. Run 30  
Minimum Packer Depth 4261 Mud Wt. 9.4 lb/Gal.  
Depth 4300 Viscosity 48 Filtrate 10.2

Open @ 9:53 Initial Blow WEAK SURFACE TO NO BLOW IN 8 MINUTES

Blow NO BLOW--FLUSH TOOL WEAK SURFACE NO BLOW IN 30 SECONDS

Corey - Total Feet 10 Flush Tool? YES

10 Feet of MUD  
Feet of \_\_\_\_\_  
Feet of \_\_\_\_\_  
Feet of \_\_\_\_\_  
Feet of \_\_\_\_\_

113 °F Gravity \_\_\_\_\_ °API @ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API  
@ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm Recovery Chlorides 1700 ppm System

Initial Hydrostatic Mud 2085.4 PSI AK1 Recorder No. 13337 Range 3975

First Initial Flow Pressure 25.1 PSI @ (depth) 4263 w / Clock No. 27566

First Final Flow Pressure 14.2 PSI AK1 Recorder No. 10332 Range 4050

Initial Shut-in Pressure 21.3 PSI @ (depth) 4295 w / Clock No. 25828

Second Initial Flow Pressure 29.4 PSI AK1 Recorder No. \_\_\_\_\_ Range \_\_\_\_\_

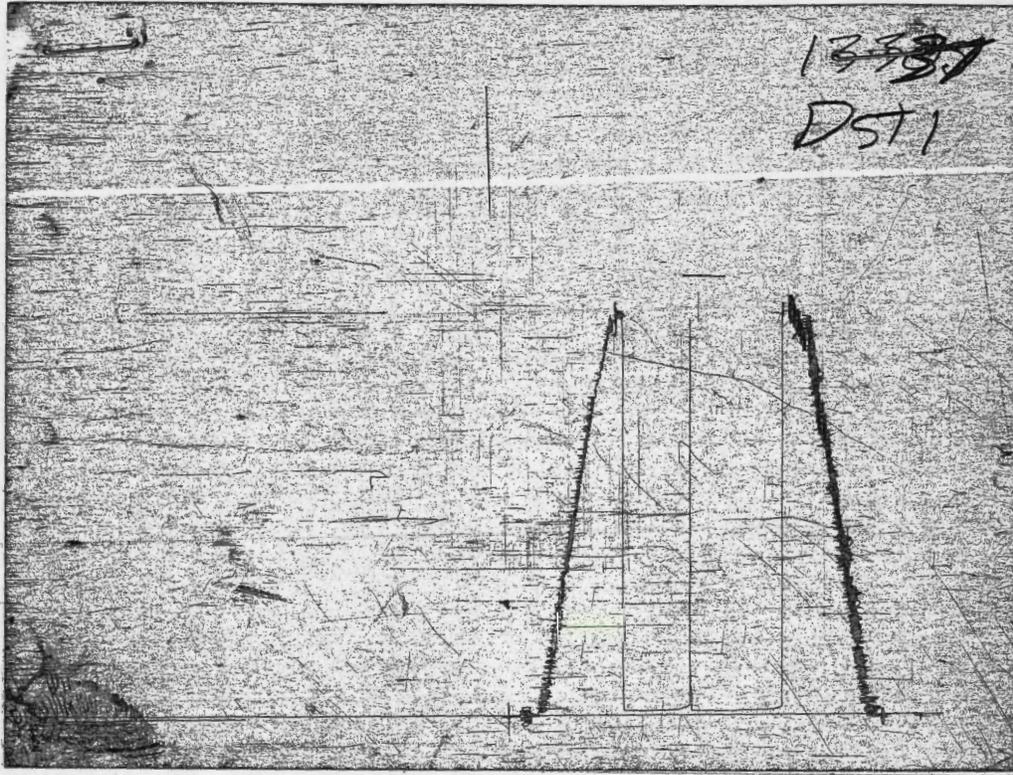
Second Final Flow Pressure 24.9 PSI @ (depth) \_\_\_\_\_ w / Clock No. \_\_\_\_\_

Final Shut-in Pressure 23.1 PSI Initial Opening 30 Final Flow 30

Final Hydrostatic Mud 2046.8 PSI Initial Shut-in 30 Final Shut-in 30

Representative MARK HERSKOWITZ

CHART PAGE



This is an actual photograph of recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2081	2085.4
(B) FIRST INITIAL FLOW PRESSURE	19	25.1
(C) FIRST FINAL FLOW PRESSURE	19	14.2
(D) INITIAL CLOSED-IN PRESSURE	19	21.3
(E) SECOND INITIAL FLOW PRESSURE	19	29.4
(F) SECOND FINAL FLOW PRESSURE	19	24.9
(G) FINAL CLOSED-IN PRESSURE	19	23.1
(H) FINAL HYDROSTATIC MUD	2051	2046.8

# WESTERN TESTING COMPANY



Augusta .....1-800-688-7028  
 Colby .....1-800-688-7024  
 Garden City.....1-800-688-7026

Great Bend ..1-800-688-7023  
 Wakeeney....1-800-688-7029  
 Pratt.....1-800-688-7027

Wichita Sales Office .....1-800-688-7021

6323	6262	6310	6275
6195	6144	6313	6269
6183	6033	6244	6047
6267	6264	6238	6273
6289	6230	6267	6292
6270	6274	6086	6290
	6226	6120	6327
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375.27	434.53	435.78	437.93
6135	6295	6240	6150
6294	6311	6247	6258
6224	6312	6311	6220
6290	6303	6158	6293
5923	6280	6290	6294
6323	6293	6315	6288
6295	6221	63-	
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434.64	440.15	438.61	375.03

6288  
 6287  
 824.32

Strap 4322.01  
 Band 4322.51  


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 Strap Short +50

WJ