TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name: SCHOENTHALER #1-3 Test No. 1 Date 11/24/92

Company: MURFIN DRILLING CO INC Zone MARMATON

Address: 250 N WATER SWT #300 WICHITA KS 67202 Elevation 2194

Co. Rep./Geo.: ROGER WELTY Cont. MURFIN RIG #8 Est. Ft. of Pay

Location: Sec. 3 Twp. 12S Rge. 20W Co. ELLIS State KS

Interval Tested 3811-3830 Drill Pipe Size 4.5" XH

Anchor Length 19 Wt. Pipe I.D. - 2.7 Ft. Run

Top Packer Depth 3806 Drill Collar – 2.25 Ft. Run 30

Bottom Packer Depth 3811 Mud Wt. 9.6 lb/Gal.

Total Depth 3830 Viscosity 47 Filtrate 8.8

Tool Open @ 5:57 PM Initial Blow SLID TOOL 6' TO BOTTOM-1/2"
INTERMITENT BLOW

Final Blow NO BLOW

Recovery - Total Feet 10 Flush Tool? NO

Rec. 10 Feet of DRILLING MUD WITH SHOW OF OIL ON TOP

Rec. Feet of

Rec. Feet of

Rec. Feet of

Rec. Feet of

BHT 110 °F Gravity °API @ °F Corrected Gravity °API

RW @ °F Chlorides ppm Recovery Chlorides 34000 ppm System

(A) Initial Hydrostatic Mud 2177.9 PSI AK1 Recorder No. 13754 Range 4000

(B) First Initial Flow Pressure 33.6 PSI @ (depth) 3815 w / Clock No. 25828

(C) First Final Flow Pressure 33.6 PSI AK1 Recorder No. 7437 Range 4200

(D) Initial Shut-in Pressure 990.1 PSI @ (depth) 3826 w / Clock No. 8376

(E) Second Initial Flow Pressure 33.6 PSI AK1 Recorder No. Range

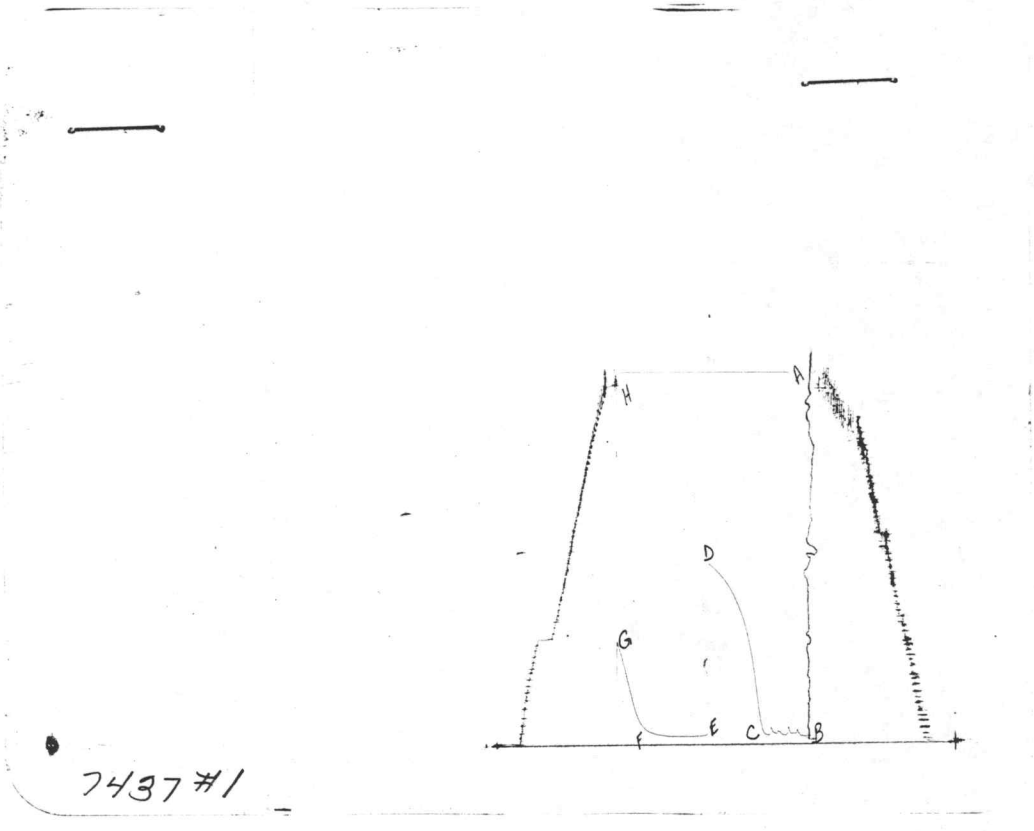
(F) Second Final Flow Pressure 33.6 PSI @ (depth) w / Clock No.

(G) Final Shut-in Pressure 545.7 PSI Initial Opening 30 Final Flow 30

(H) Final Hydrostatic Mud 2040.9 PSI Initial Shut-in 45 Final Shut-in 45

Our Representative DAN BANGLE

CHART PAGE



This is an actual photograph of recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2168	2177.9
(B) FIRST INITIAL FLOW PRESSURE	29	33.6
(C) FIRST FINAL FLOW PRESSURE	29	33.6
(D) INITIAL CLOSED-IN PRESSURE	986	990.1
(E) SECOND INITIAL FLOW PRESSURE	29	33.6
(F) SECOND FINAL FLOW PRESSURE	29	33.6
(G) FINAL CLOSED-IN PRESSURE	541	545.7
(H) FINAL HYDROSTATIC MUD	2036	2040.9