

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name DAMMIER #1-27 Test No. 1 Date 7/11/92
MURFIN DRILLING CO., INC. Zone MORROW
Company 250 N WATER WICHITA KS 67202 Elevation 2038 K.B.
Address BEN LANDES Cont. BRANDT DRLG Est. Ft. of Pay 10
Co. Rep./Geo. 27 31S Rge. 21W Co. CLARK State KS
Location: Sec. 27 Twp. 31S Rge. 21W Co. CLARK State KS

Interval Tested 5115-5155 Drill Pipe Size 4.5" XH
Anchor Length 40 Wt. Pipe I.D. - 2.7 Ft. Run 552
Top Packer Depth 5110 Drill Collar - 2.25 Ft. Run 8.9 lb/Gal.
Bottom Packer Depth 5115 Mud Wt. 51 Filtrate 8.2
Total Depth 5155 Viscosity 51

Tool Open @ 6:55 PM Initial Blow BOTTOM OF BUCKET IN 45 SECONDS

Final Blow BOTTOM OF BUCKET IN 17 MINUTES

Recovery - Total Feet 903 Flush Tool? NO

Rec. 107 Feet of GAS IN PIPE
Rec. 75 Feet of WATER CUT MUD-10%WTR/90%MUD
Rec. 184 Feet of MUD CUT WATER-70%WTR/30%MUD
Rec. 644 Feet of SLTLY MUD CUT WATER-95%WTR/5%MUD
Rec. Feet of

BHT 131 °F Gravity 94.6 °API @ °F Corrected Gravity °API
RW 0.12 @ °F Chlorides 60000 ppm Recovery Chlorides 4000 ppm System

(A) Initial Hydrostatic Mud 2563.9 PSI AK1 Recorder No. 13754 Range 4000

(B) First Initial Flow Pressure 94.5 PSI @ (depth) 5119 w / Clock No. 27567

(C) First Final Flow Pressure 283.7 PSI AK1 Recorder No. 7437 Range 4200

(D) Initial Shut-in Pressure 1788.6 PSI @ (depth) 5151 w / Clock No. 26199

(E) Second Initial Flow Pressure 322.9 PSI AK1 Recorder No. Range

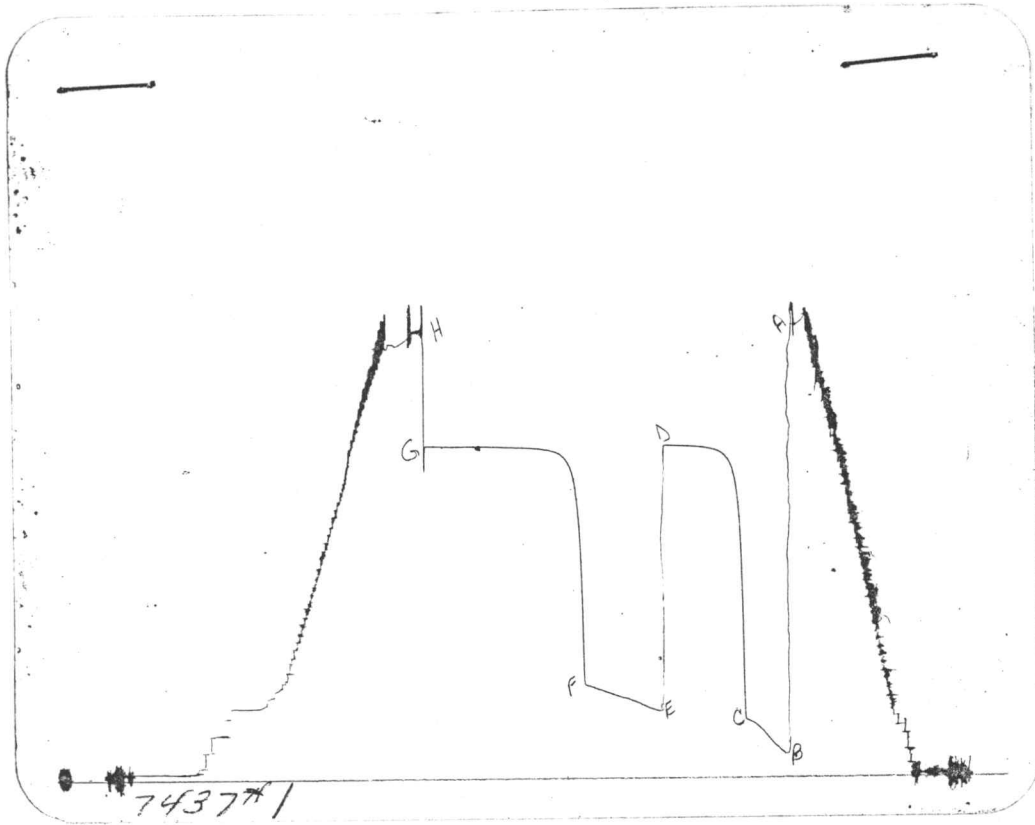
(F) Second Final Flow Pressure 450.9 PSI @ (depth) w / Clock No.

(G) Final Shut-in Pressure 1780.3 PSI Initial Opening 30 Final Flow 60

(H) Final Hydrostatic Mud 2459.8 PSI Initial Shut-in 60 Final Shut-in 120

Our Representative DAN BANGLE

CHART PAGE



This is an actual photograph of recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2542	2563.9
(B) FIRST INITIAL FLOW PRESSURE	88	94.5
(C) FIRST FINAL FLOW PRESSURE	285	283.7
(D) INITIAL CLOSED-IN PRESSURE	1786	1788.6
(E) SECOND INITIAL FLOW PRESSURE	324	322.9
(F) SECOND FINAL FLOW PRESSURE	452	450.9
(G) FINAL CLOSED-IN PRESSURE	1776	1780.3
(H) FINAL HYDROSTATIC MUD	2461	2459.8