TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name EVEL B-4 Test No. 1 Date 10/16/92

Company THOMAS C. LUTZ Zone MISSISSIPPI

Address P.O. DRAWER 940 FAYETTEVILLE ARK 72702 Elevation 2575

Co. Rep./Geo. RON NELSON Cont. EMPHASIS RIG #7 Est. Ft. of Pay

Location: Sec. 13 Twp. 16S Rge. 26W Co. NESS State KS

Interval Tested 4449-4523 Drill Pipe Size 4.5" XH

Anchor Length 74 Wt. Pipe I.D. - 2.7 Ft. Run

Top Packer Depth 4445-4450 Drill Collar – 2.25 Ft. Run

Bottom Packer Depth 4524 Mud Wt. 9.3 lb/Gal.

Total Depth 4601 Viscosity 51 Filtrate 9.6

Tool Open @ 10:15 AM Initial Blow GOOD BLOW-STEADY BUILD TO 8" BY END
NO SHUT IN BLOW BACK

Final Blow GOOD BLOW-STEADY BUILD TO 9" BY END-1/2" SHUT IN
BLOW BACK

Recovery - Total Feet 130 Flush Tool? NO

Rec. 180 Feet of GAS IN PIPE

Rec. 70 Feet of CLEAN GASSY OIL

Rec. 60 Feet of HVY MUD CUT OIL-70%OIL/30%MUD

Rec. Feet of

Rec. Feet of

BHT 118 °F Gravity 37 °API @ 60 °F Corrected Gravity 37 °API

RW 1.7 @ 60 °F Chlorides 4000 ppm Recovery Chlorides 4000 ppm System

(A) Initial Hydrostatic Mud 2184.3 PSI AK1 Recorder No. 13337 Range 3975

(B) First Initial Flow Pressure 52.6 PSI @ (depth) 4483 w / Clock No. 25813

(C) First Final Flow Pressure 57.8 PSI AK1 Recorder No. 10332 Range 4025

(D) Initial Shut-in Pressure 265.4 PSI @ (depth) 4515 w / Clock No. 14389

(E) Second Initial Flow Pressure 71.2 PSI AK1 Recorder No. 10333 Range 4075

(F) Second Final Flow Pressure 88.6 PSI @ (depth) 4598 w / Clock No. 21152

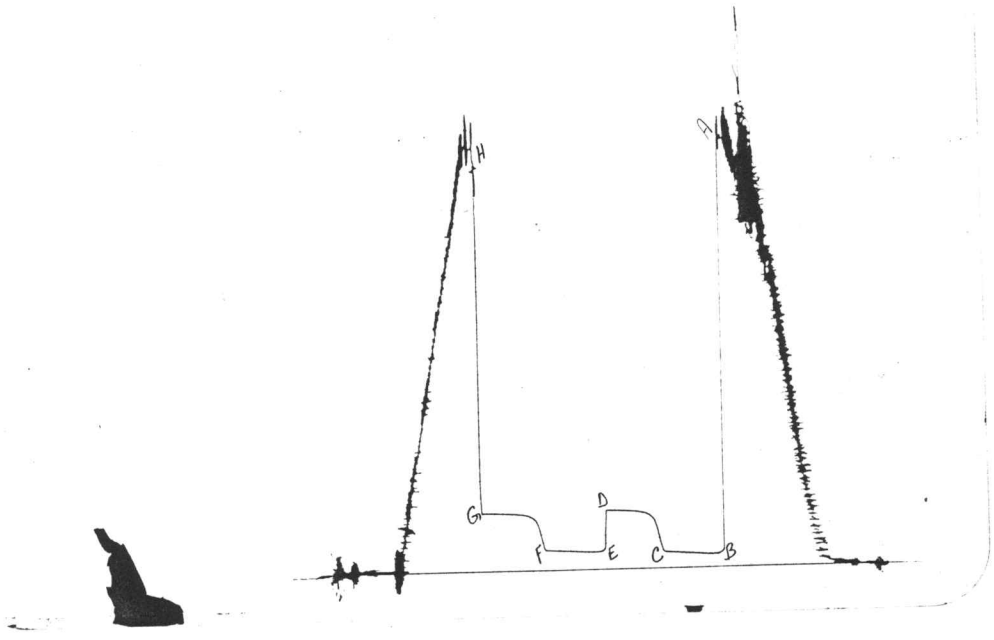
(G) Final Shut-in Pressure 284.6 PSI Initial Opening 45 Final Flow 45

(H) Final Hydrostatic Mud 2177.9 PSI Initial Shut-in 45 Final Shut-in 45

Our Representative JOHN RIEDL

CHART PAGE

RBC #16332

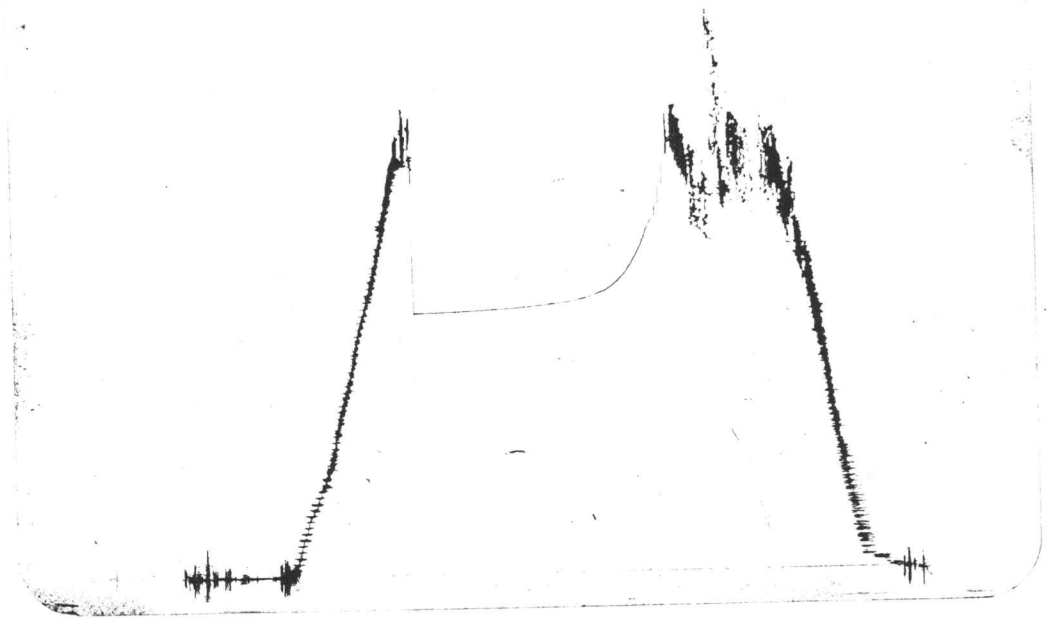


This is an actual photograph of recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2180	2184.3
(B) FIRST INITIAL FLOW PRESSURE	48	52.6
(C) FIRST FINAL FLOW PRESSURE	55	57.8
(D) INITIAL CLOSED-IN PRESSURE	267	265.4
(E) SECOND INITIAL FLOW PRESSURE	70	71.2
(F) SECOND FINAL FLOW PRESSURE	87	88.6
(G) FINAL CLOSED-IN PRESSURE	280	284.6
(H) FINAL HYDROSTATIC MUD	2172	2177.9

CHART PAGE

Rec # 10333



This is an actual photograph of recorder chart

	FIELD READING	OFFICE READING

(A) INITIAL HYDROSTATIC MUD

(B) FIRST INITIAL FLOW PRESSURE

(C) FIRST FINAL FLOW PRESSURE

(D) INITIAL CLOSED-IN PRESSURE

(E) SECOND INITIAL FLOW PRESSURE

(F) SECOND FINAL FLOW PRESSURE

(G) FINAL CLOSED-IN PRESSURE

(H) FINAL HYDROSTATIC MUD