

# TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

## Drill-Stem Test Data

Well Name EVEL A-3 Test No. 1 Date 3/29/95  
Company THOMAS C. LUTZ Zone \_\_\_\_\_  
Address P O BOX 940, FAYETTEVILLE, AR Elevation 2560  
Co. Rep./Geo. RON NELSON Cont. DISCOVERY DRILLING Est. Ft. of Pay \_\_\_\_\_  
Location: Sec. 13 Twp. 16S Rge. 26W Co. NESS State KS

Interval Tested 4442-4522 Drill Pipe Size 4.5" XH  
Anchor Length 80 Wt. Pipe I.D. - 2.7 Ft. Run \_\_\_\_\_  
Top Packer Depth 4437 Drill Collar - 2.25 Ft. Run 30  
Bottom Packer Depth 4442 Mud Wt. 9.5 lb/Gal.  
Total Depth 4522 Viscosity 46 Filtrate 10.6

Tool Open @ 2:45PM Initial Blow FROM SURFACE TO 7 INCHES. (WEAK TO FAIR BLOW)  
Final Blow FROM SURFACE TO 7 INCHES (WEAK TO FAIR BLOW).

Recovery - Total Feet 135 Flush Tool? NO

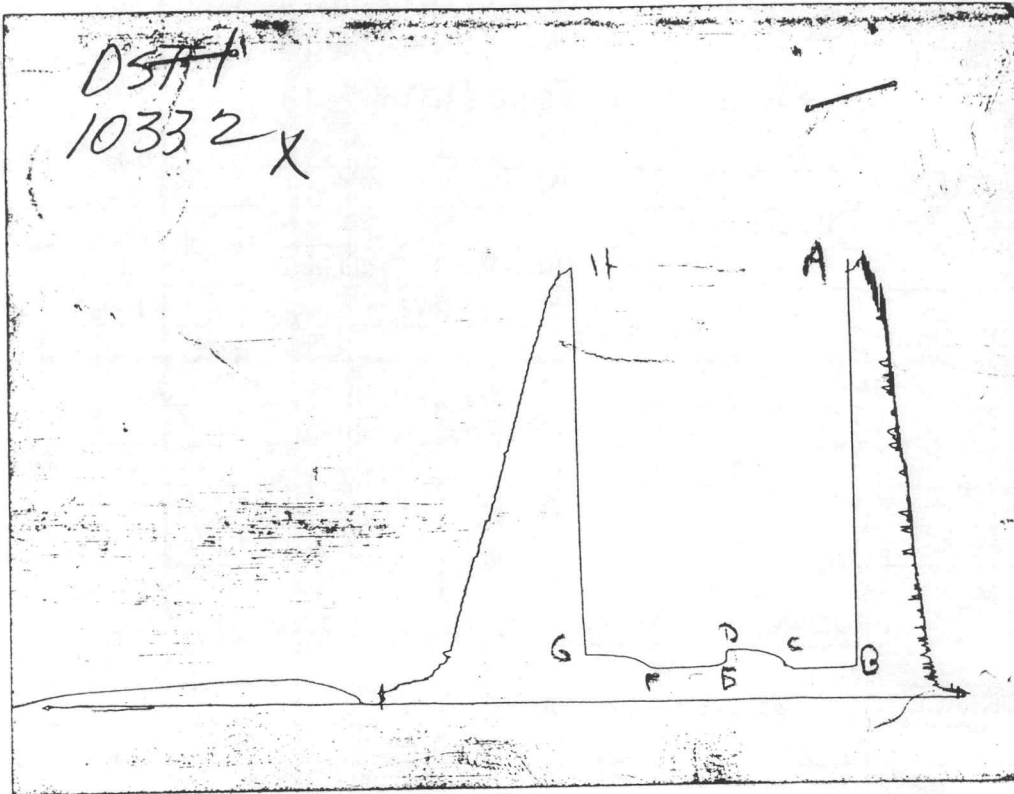
Rec. 45 Feet of GAS IN PIP4E  
Rec. 15 Feet of GASSY MUD CUT OIL. 5%GAS; 50%OIL; 45%MUD.  
Rec. 120 Feet of GASSY OIL CUT MUD. 20% GAS; 25%OIL; 55% MUD.  
Rec. \_\_\_\_\_ Feet of \_\_\_\_\_  
Rec. \_\_\_\_\_ Feet of \_\_\_\_\_

BHT 118 °F Gravity \_\_\_\_\_ °API @ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API  
RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm Recovery Chlorides 3000 ppm System

(A) Initial Hydrostatic Mud 2284.00 PSI AK1 Recorder No. 11086 Range 4350  
(B) First Initial Flow Pressure 136.60 PSI @ (depth) 4507 w / Clock No. 25828  
(C) First Final Flow Pressure 131.60 PSI AK1 Recorder No. 10332 Range 4050  
(D) Initial Shut-in Pressure 228.90 PSI @ (depth) 4512 w / Clock No. 25114  
(E) Second Initial Flow Pressure 147.80 PSI AK1 Recorder No. \_\_\_\_\_ Range \_\_\_\_\_  
(F) Second Final Flow Pressure 147.80 PSI @ (depth) \_\_\_\_\_ w / Clock No. \_\_\_\_\_  
(G) Final Shut-in Pressure 217.60 PSI Initial Opening 45 Final Flow 45  
(H) Final Hydrostatic Mud 2265.00 PSI Initial Shut-in 45 Final Shut-in 45

Our Representative GARY SPEER

# CHART PAGE



This is an actual photograph of an AK1 recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2268	2284.00
(B) FIRST INITIAL FLOW PRESSURE	151	136.60
(C) FIRST FINAL FLOW PRESSURE	172	131.60
(D) INITIAL CLOSED-IN PRESSURE	253	228.90
(E) SECOND INITIAL FLOW PRESSURE	172	147.80
(F) SECOND FINAL FLOW PRESSURE	182	147.80
(G) FINAL CLOSED-IN PRESSURE	242	217.60
(H) FINAL HYDROSTATIC MUD	2258	2265.00

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## Drill-Stem Test Data

Well Name EVEL A-3 Test No. 2 Date 3/30/95  
Company THOMAS C. LUTZ Zone \_\_\_\_\_  
Address P O BOX 940, FAYETTEVILLE, AR Elevation 2560  
Co. Rep./Geo. RON NELSON Cont. DISCOVERY DRILLING Est. Ft. of Pay \_\_\_\_\_  
Location: Sec. 13 Twp. 16S Rge. 26W Co. NESS State KS

Interval Tested 4518-4531 Drill Pipe Size 4.5" XH  
Anchor Length 13 Wt. Pipe I.D. - 2.7 Ft. Run \_\_\_\_\_  
Top Packer Depth 4513 Drill Collar - 2.25 Ft. Run 30  
Bottom Packer Depth 4518 Mud Wt. \_\_\_\_\_ lb/Gal.  
Total Depth 4531 Viscosity 55 Filtrate 10.4

Tool Open @ 3:35AM Initial Blow WEAK 1 INCH BLOW - BLEW THROUGHOUT.  
Final Blow NO BLOW.

Recovery - Total Feet 20 Flush Tool? NO

Rec. 5 Feet of CLEAN GASSY OIL. 5%GAS, 95%OIL.  
Rec. 15 Feet of GASSY OIL CUT MUD. 5% GAS; 35% OIL; 60% MUD.  
Rec. \_\_\_\_\_ Feet of \_\_\_\_\_  
Rec. \_\_\_\_\_ Feet of \_\_\_\_\_  
Rec. \_\_\_\_\_ Feet of \_\_\_\_\_

BHT 121 °F Gravity \_\_\_\_\_ °API @ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API  
RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm Recovery Chlorides 3000 ppm System

(A) Initial Hydrostatic Mud 2327.50 PSI AK1 Recorder No. 11086 Range 4350

(B) First Initial Flow Pressure 44.80 PSI @ (depth) 4520 w / Clock No. 25828

(C) First Final Flow Pressure 44.80 PSI AK1 Recorder No. 10332 Range 4050

(D) Initial Shut-in Pressure 233.60 PSI @ (depth) 4526 w / Clock No. 25114

(E) Second Initial Flow Pressure 51.30 PSI AK1 Recorder No. \_\_\_\_\_ Range \_\_\_\_\_

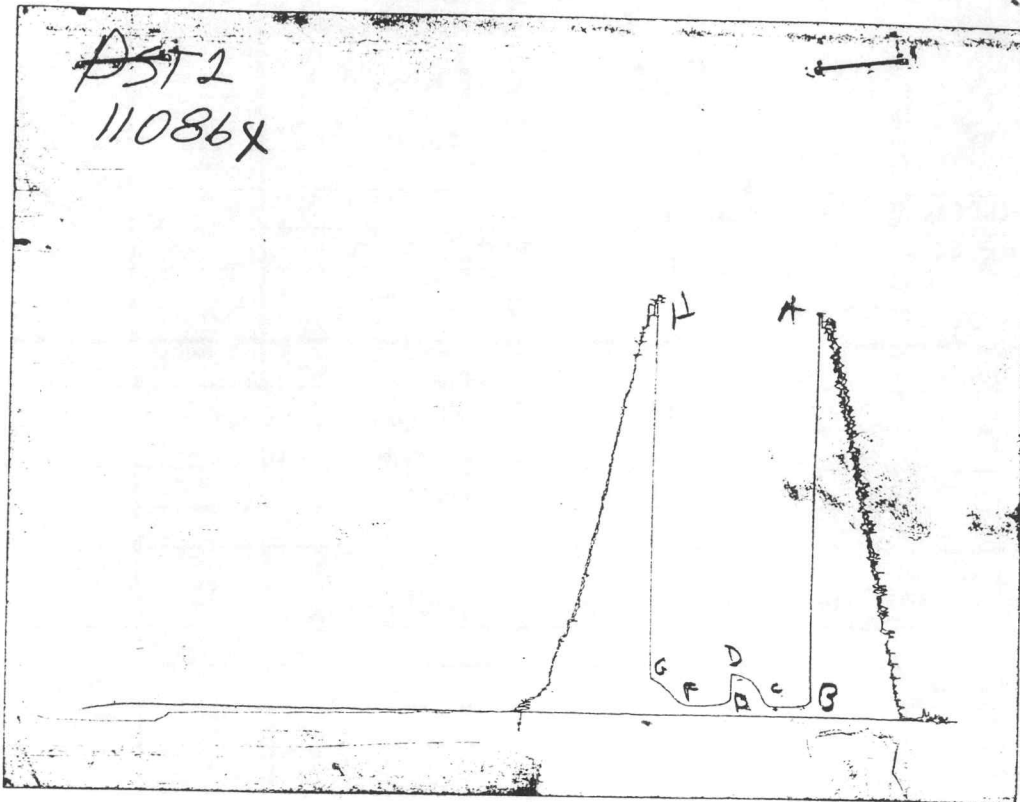
(F) Second Final Flow Pressure 45.80 PSI @ (depth) \_\_\_\_\_ w / Clock No. \_\_\_\_\_

(G) Final Shut-in Pressure 194.30 PSI Initial Opening 30 Final Flow 30

(H) Final Hydrostatic Mud 2338.40 PSI Initial Shut-in 30 Final Shut-in 30

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# CHART PAGE



This is an actual photograph of an AK1 recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2305	2327.50
(B) FIRST INITIAL FLOW PRESSURE	43	44.80
(C) FIRST FINAL FLOW PRESSURE	54	44.80
(D) INITIAL CLOSED-IN PRESSURE	240	233.60
(E) SECOND INITIAL FLOW PRESSURE	54	51.30
(F) SECOND FINAL FLOW PRESSURE	54	45.80
(G) FINAL CLOSED-IN PRESSURE	218	194.30
(H) FINAL HYDROSTATIC MUD	2272	2338.40