

# TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

## Drill-Stem Test Data

Well Name KOLSTE #1 Test No. 1 Date 3/19/95  
Company A.L. ABERCROMBIE INC. Zone KC 'J'  
Address 150 N MAIN #801 WICHITA KS 67202 Elevation 3100  
Co. Rep./Geo. DON PATE Cont. ABERCROMBIE #4 Est. Ft. of Pay \_\_\_\_\_  
Location: Sec. 7 Twp. 11S Rge. 32W Co. LOGAN State KS

Interval Tested 4259-4300 Drill Pipe Size 4.5" XH  
Anchor Length 41 Wt. Pipe I.D. - 2.7 Ft. Run 321  
Top Packer Depth 4254 Drill Collar - 2.25 Ft. Run \_\_\_\_\_  
Bottom Packer Depth 4259 Mud Wt. 9.1 lb/Gal.  
Total Depth 4300 Viscosity 44 Filtrate 9.6

Tool Open @ 3:48PM Initial Blow FROM SURFACE TO 3" - WEAK TO FAIR BLOW  
ISI: VERY WEAK SURFACE BLOW  
Final Blow BUILT TO 6 1/2" FAIR BLOW  
FSI: NO RETURN BLOW

Recovery - Total Feet 230 Flush Tool? NO

Rec. 20 Feet of OIL & WATER CUT MUD 10%OIL/25%WATER/65%MUD  
Rec. 90 Feet of WATER CUT MUD TRACE-OIL/25%WATER/75%MUD  
Rec. 120 Feet of MUD CUT WATER 90%WATER/10%MUD  
Rec. \_\_\_\_\_ Feet of \_\_\_\_\_  
Rec. \_\_\_\_\_ Feet of \_\_\_\_\_

BHT 117 °F Gravity \_\_\_\_\_ °API @ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API  
RW 0.2 @ 60 °F Chlorides 45000 ppm Recovery Chlorides 2000 ppm System

(A) Initial Hydrostatic Mud 2028.00 PSI AK1 Recorder No. 11086 Range 4350

(B) First Initial Flow Pressure 80.00 PSI @ (depth) 4297 w / Clock No. 25828

(C) First Final Flow Pressure 86.00 PSI AK1 Recorder No. 10332 Range 4050

(D) Initial Shut-in Pressure 906.50 PSI @ (depth) 4292 w / Clock No. 25114

(E) Second Initial Flow Pressure 113.40 PSI AK1 Recorder No. \_\_\_\_\_ Range \_\_\_\_\_

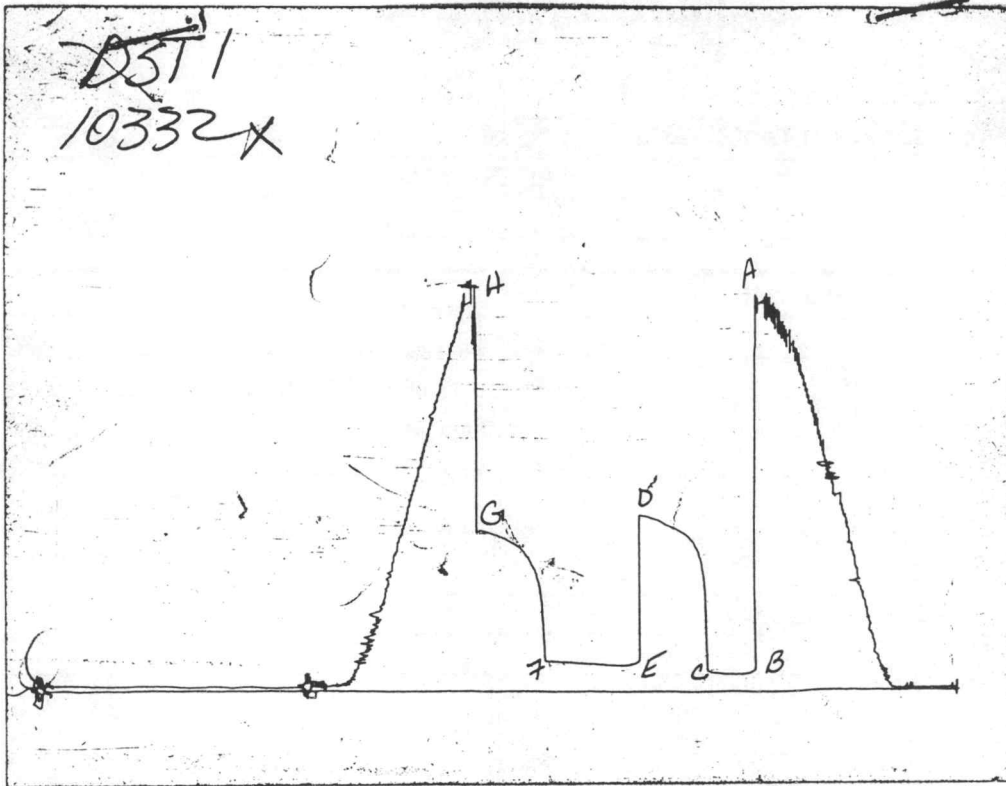
(F) Second Final Flow Pressure 137.70 PSI @ (depth) \_\_\_\_\_ w / Clock No. \_\_\_\_\_

(G) Final Shut-in Pressure 826.20 PSI Initial Opening 30 Final Flow 60

(H) Final Hydrostatic Mud 2021.90 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	2068	2028.00
(B) FIRST INITIAL FLOW PRESSURE	101	80.00
(C) FIRST FINAL FLOW PRESSURE	121	86.00
(D) INITIAL CLOSED-IN PRESSURE	932	906.50
(E) SECOND INITIAL FLOW PRESSURE	131	113.40
(F) SECOND FINAL FLOW PRESSURE	161	137.70
(G) FINAL CLOSED-IN PRESSURE	851	826.20
(H) FINAL HYDROSTATIC MUD	2038	2021.90

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## Drill-Stem Test Data

Well Name KOLSTE #1 Test No. 2 Date 3/20/95  
Company A.L. ABERCROMBIE INC. Zone \_\_\_\_\_  
Address 150 N MAIN #801 WICHITA KS 67202 Elevation 3100  
Co. Rep./Geo. DON PATE Cont. ABERCROMBIE #4 Est. Ft. of Pay \_\_\_\_\_  
Location: Sec. 7 Twp. 11S Rge. 32W Co. LOGAN State KS

Interval Tested 4318-4340 Drill Pipe Size 4.5" XH  
Anchor Length 22 Wt. Pipe I.D. - 2.7 Ft. Run 321  
Top Packer Depth 4313 Drill Collar - 2.25 Ft. Run \_\_\_\_\_  
Bottom Packer Depth 4318 Mud Wt. 9.1 lb/Gal.  
Total Depth 4340 Viscosity 44 Filtrate 9.6

Tool Open @ 6:03AM Initial Blow VERY WEAK SURFACE BLOW - DIED IN 6 MINUTES

Final Blow NO BLOW - FLUSHED TOOL - NO HELP

Recovery - Total Feet 30 Flush Tool? YES

Rec. 30 Feet of DRILLING MUD  
Rec. \_\_\_\_\_ Feet of \_\_\_\_\_  
Rec. \_\_\_\_\_ Feet of \_\_\_\_\_  
Rec. \_\_\_\_\_ Feet of \_\_\_\_\_  
Rec. \_\_\_\_\_ Feet of \_\_\_\_\_

BHT 114 °F Gravity \_\_\_\_\_ °API @ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API  
RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm Recovery Chlorides 2000 ppm System

(A) Initial Hydrostatic Mud 2088.00 PSI AK1 Recorder No. 11086 Range 4350

(B) First Initial Flow Pressure 99.20 PSI @ (depth) 4330 w / Clock No. 25828

(C) First Final Flow Pressure 99.20 PSI AK1 Recorder No. 10332 Range 4050

(D) Initial Shut-in Pressure 950.20 PSI @ (depth) 4335 w / Clock No. 25114

(E) Second Initial Flow Pressure 99.20 PSI AK1 Recorder No. \_\_\_\_\_ Range \_\_\_\_\_

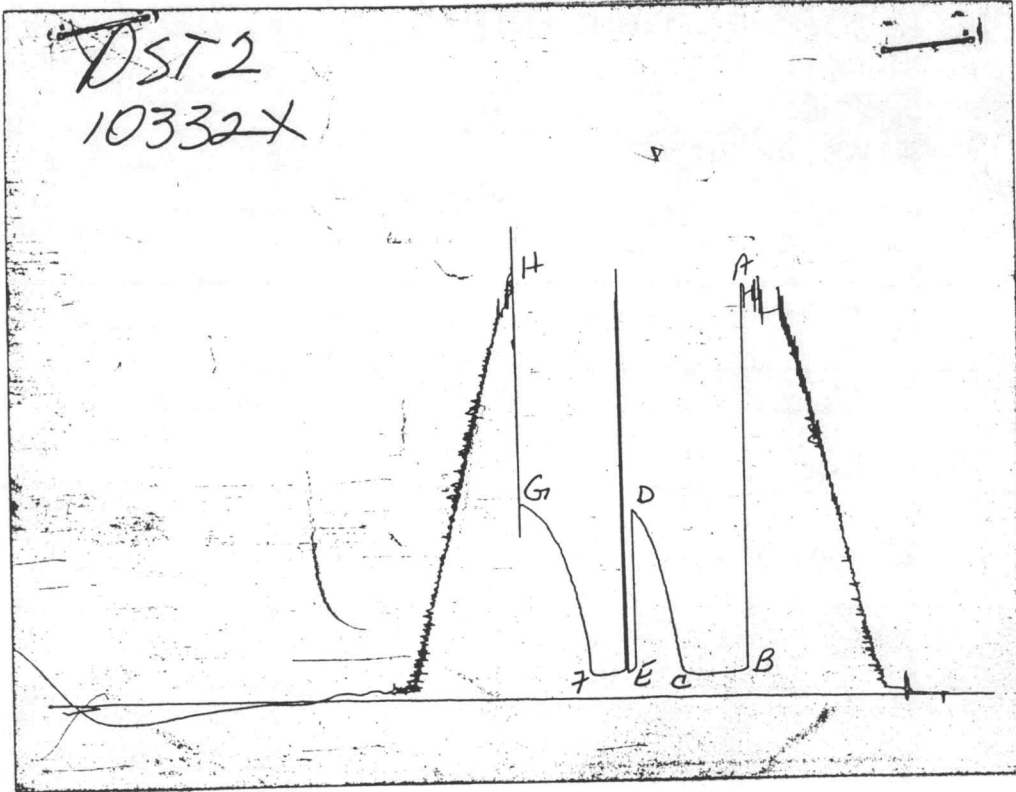
(F) Second Final Flow Pressure 99.20 PSI @ (depth) \_\_\_\_\_ w / Clock No. \_\_\_\_\_

(G) Final Shut-in Pressure 977.60 PSI Initial Opening 30 Final Flow 30

(H) Final Hydrostatic Mud 2079.00 PSI Initial Shut-in 45 Final Shut-in 45

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# CHART PAGE



This is an actual photograph of an AK1 recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2128	2088.00
(B) FIRST INITIAL FLOW PRESSURE	101	99.20
(C) FIRST FINAL FLOW PRESSURE	101	99.20
(D) INITIAL CLOSED-IN PRESSURE	993	950.20
(E) SECOND INITIAL FLOW PRESSURE	101	99.20
(F) SECOND FINAL FLOW PRESSURE	101	99.20
(G) FINAL CLOSED-IN PRESSURE	1014	977.60
(H) FINAL HYDROSTATIC MUD	2118	2079.00