

# TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

## Drill-Stem Test Data

Well Name BORELL 'C' #11 Test No. 1 Date 7/7/94  
Company ALBERT W. BORELL Zone LKC 30'  
Address BOX 158 WILSON KS 67490 Elevation 1874 KB  
Co. Rep./Geo. A BORELL/JAMES SCHMIDT Cont. VONFELDT Est. Ft. of Pay \_\_\_\_\_  
Location: Sec. 32 Twp. 15S Rge. 11W Co. RUSSELL State KS

Interval Tested 3046-3064 Drill Pipe Size 4.5" XH  
Anchor Length 18 Wt. Pipe I.D. - 2.7 Ft. Run \_\_\_\_\_  
Top Packer Depth 3041 Drill Collar - 2.25 Ft. Run \_\_\_\_\_  
Bottom Packer Depth 3046 Mud Wt. 9.8 lb/Gal.  
Total Depth 3064 Viscosity 43 Filtrate 11.6

Tool Open @ 8:06AM Initial Blow WEAK BLOW (1/2 - 2" IN WATER)

Final Blow WEAK BLOW ( 1-2 1/2" IN WATER)

Recovery - Total Feet 48 Flush Tool? NO

TRACE Feet of GAS IN PIPE  
Rec. 48 Feet of GASSY MUD WITH OIL SPECKS 5%GAS/95%MUD  
Rec. \_\_\_\_\_ Feet of \_\_\_\_\_  
Rec. \_\_\_\_\_ Feet of \_\_\_\_\_  
Rec. \_\_\_\_\_ Feet of \_\_\_\_\_

BHT 100 °F Gravity \_\_\_\_\_ °API @ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API  
RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides 2000 ppm Recovery Chlorides 32000 ppm System

(A) Initial Hydrostatic Mud 1773.2 PSI AK1 Recorder No. 13788 Range 4650

(B) First Initial Flow Pressure 29.8 PSI @ (depth) 3061 w / Clock No. 22993

(C) First Final Flow Pressure 29.8 PSI AK1 Recorder No. 10248 Range 4400

(D) Initial Shut-in Pressure 68.6 PSI @ (depth) 3056 w / Clock No. 30410

(E) Second Initial Flow Pressure 35.5 PSI AK1 Recorder No. \_\_\_\_\_ Range \_\_\_\_\_

(F) Second Final Flow Pressure 35.5 PSI @ (depth) \_\_\_\_\_ w / Clock No. \_\_\_\_\_

(G) Final Shut-in Pressure 70.9 PSI Initial Opening 30 Final Flow 30

(H) Final Hydrostatic Mud 1728.3 PSI Initial Shut-in 30 Final Shut-in 30

Our Representative GARY PEVOTEAUX



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## Drill-Stem Test Data

Well Name BORELL 'C' #11 Test No. 2 Date 7/8/94  
Company ALBERT W. BORELL Zone LCK 190'  
Address BOX 158 WILSON KS 67490 Elevation 1874 KB  
Co. Rep./Geo. A BORELL/JAMES SCHMIDT Cont. VONFELDT Est. Ft. of Pay \_\_\_\_\_  
Location: Sec. 32 Twp. 15S Rge. 11W Co. RUSSELL State KS

Interval Tested 3204-3217  
Anchor Length 13  
Top Packer Depth 3199  
Bottom Packer Depth 3204  
Total Depth 3217

Drill Pipe Size 4.5" XH  
Wt. Pipe I.D. - 2.7 Ft. Run \_\_\_\_\_  
Drill Collar - 2.25 Ft. Run \_\_\_\_\_  
Mud Wt. 9.9 lb/Gal.  
Viscosity 43 Filtrate 12

Tool Open @ 4:47AM Initial Blow WEAK BLOW ( 1 - 2" IN WATER  
SLID TOOL 3 - 5' TO BOTTOM

Final Blow WEAK BLOW ( 1/2 - 1" IN WATER)

Recovery - Total Feet 50

Flush Tool? NO

Rec. 50 Feet of MUDDY WATER 75%WATER/25%MUD  
Rec. \_\_\_\_\_ Feet of WITH A FEW OIL SPECKS  
Rec. \_\_\_\_\_ Feet of \_\_\_\_\_  
Rec. \_\_\_\_\_ Feet of \_\_\_\_\_  
Rec. \_\_\_\_\_ Feet of \_\_\_\_\_

BHT 103 °F Gravity \_\_\_\_\_ °API @ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API  
RW 0.13 @ 75 °F Chlorides 77000 ppm Recovery Chlorides 32000 ppm System

(A) Initial Hydrostatic Mud 1856.5 PSI AK1 Recorder No. 13788 Range 4650

(B) First Initial Flow Pressure 27.6 PSI @ (depth) 3214 w / Clock No. 22993

(C) First Final Flow Pressure 32.1 PSI AK1 Recorder No. 10248 Range 4400

(D) Initial Shut-in Pressure 494.1 PSI @ (depth) 3209 w / Clock No. 30410

(E) Second Initial Flow Pressure 36.7 PSI AK1 Recorder No. \_\_\_\_\_ Range \_\_\_\_\_

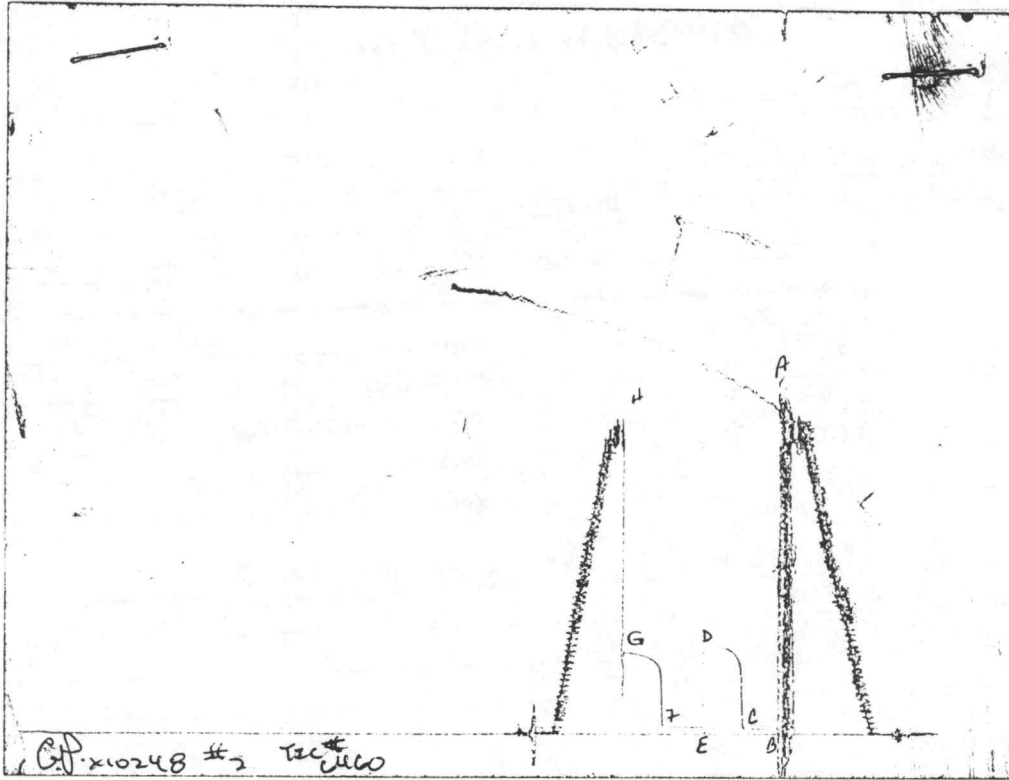
(F) Second Final Flow Pressure 39.1 PSI @ (depth) \_\_\_\_\_ w / Clock No. \_\_\_\_\_

(G) Final Shut-in Pressure 470.7 PSI Initial Opening 30 Final Flow 30

(H) Final Hydrostatic Mud 1812.6 PSI Initial Shut-in 30 Final Shut-in 30

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# CHART PAGE



This is an actual photograph of recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	1766	1856.5
(B) FIRST INITIAL FLOW PRESSURE	25	27.6
(C) FIRST FINAL FLOW PRESSURE	27	32.1
(D) INITIAL CLOSED-IN PRESSURE	484	494.1
(E) SECOND INITIAL FLOW PRESSURE	29	36.7
(F) SECOND FINAL FLOW PRESSURE	34	39.1
(G) FINAL CLOSED-IN PRESSURE	453	470.7
(H) FINAL HYDROSTATIC MUD	1723	1812.6

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## Drill-Stem Test Data

Well Name BORELL 'C' #11 Test No. 3 Date 7/9/94  
Company ALBERT W. BORELL Zone ARBUCKLE  
Address BOX 158 WILSON KS 67490 Elevation 1874 KB  
Co. Rep./Geo. A BORELL/JAMES SCHMIDT Cont. VONFELDT Est. Ft. of Pay \_\_\_\_\_  
Location: Sec. 32 Twp. 15S Rge. 11W Co. RUSSELL State KS

Interval Tested 3357-3364 Drill Pipe Size 4.5" XH  
Anchor Length 7 Wt. Pipe I.D. - 2.7 Ft. Run \_\_\_\_\_  
Top Packer Depth 3352 Drill Collar - 2.25 Ft. Run \_\_\_\_\_  
Bottom Packer Depth 3357 Mud Wt. 9.8 lb/Gal.  
Total Depth 3364 Viscosity 43 Filtrate 12

Tool Open @ 5:15AM Initial Blow WEAK BLOW ( 1/2" )  
INITIAL SHUTIN PRESSURE IF FALSE, PICKED PIPE UP TO HIGH WHEN SETTING SLIPS  
Final Blow NO BLOW

Recovery - Total Feet 20 Flush Tool? NO

Rec. 20 Feet of MUDDY WATER 80%WATER/20%MUD  
Rec. \_\_\_\_\_ Feet of \_\_\_\_\_  
Rec. \_\_\_\_\_ Feet of \_\_\_\_\_  
Rec. \_\_\_\_\_ Feet of \_\_\_\_\_  
Rec. \_\_\_\_\_ Feet of \_\_\_\_\_

BHT 105 °F Gravity \_\_\_\_\_ °API @ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API  
RW 0.11 @ 76 °F Chlorides 81000 ppm Recovery Chlorides 33000 ppm System

(A) Initial Hydrostatic Mud 1909.1 PSI AK1 Recorder No. 13788 Range 4650

(B) First Initial Flow Pressure 17.3 PSI @ (depth) 3361 w / Clock No. 22993

(C) First Final Flow Pressure 25.3 PSI AK1 Recorder No. 10248 Range 4400

(D) Initial Shut-in Pressure 492.9 PSI @ (depth) 3358 w / Clock No. 30410

(E) Second Initial Flow Pressure 29.8 PSI AK1 Recorder No. \_\_\_\_\_ Range \_\_\_\_\_

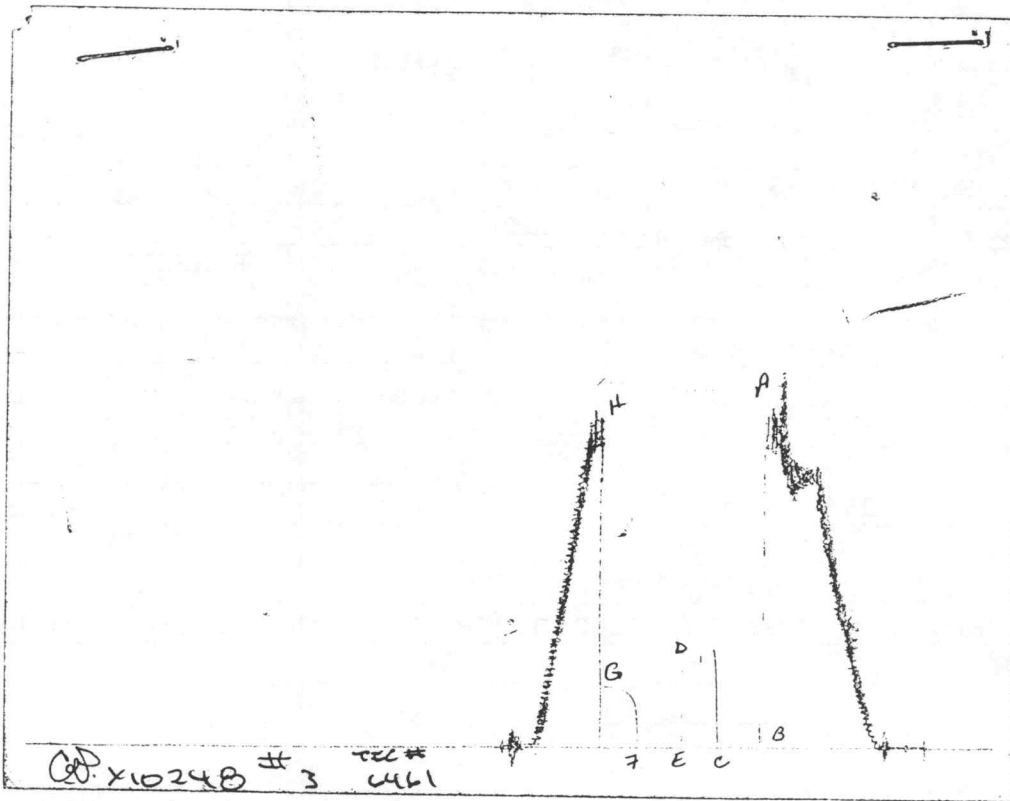
(F) Second Final Flow Pressure 34.5 PSI @ (depth) \_\_\_\_\_ w / Clock No. \_\_\_\_\_

(G) Final Shut-in Pressure 362.7 PSI Initial Opening 30 Final Flow 30

(H) Final Hydrostatic Mud 1888.2 PSI Initial Shut-in 30 Final Shut-in 30

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CHART PAGE



This is an actual photograph of recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	1810	1909.1
(B) FIRST INITIAL FLOW PRESSURE	14	17.3
(C) FIRST FINAL FLOW PRESSURE	16	25.3
(D) INITIAL CLOSED-IN PRESSURE	480	492.9
(E) SECOND INITIAL FLOW PRESSURE	18	29.8
(F) SECOND FINAL FLOW PRESSURE	21	34.5
(G) FINAL CLOSED-IN PRESSURE	344	362.7
(H) FINAL HYDROSTATIC MUD	1777	1888.2