

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name SCHOONOVER "A" #1 Test No. 1 Date 7/14/92
Company CHARTER PRODUCTION COMPANY Zone MORROW
Address 224 EAST DOUGLAS WICHITA KS 67202 Elevation 2710 K.B.
Co. Rep./Geo. ROBERT SMITH Cont. EAGLE DRILLING #1 Est. Ft. of Pay _____
Location: Sec. 23 Twp. 33S Rge. 30W Co. MEADE State KS

Interval Tested 5712-5776
Anchor Length 64
Top Packer Depth 5707
Bottom Packer Depth 5712
Total Depth 5776

Drill Pipe Size 4.5 XH
Wt. Pipe I.D. - 2.7 Ft. Run _____
Drill Collar - 2.25 Ft. Run 517
Mud Wt. 8.9 lb/Gal.
Viscosity 58 Filtrate 9.6

Tool Open @ 8:00 PM Initial Blow SURFACE BLOW BUILT TO 1.25"
ISI: BLEED OFF BLOW-NO BLOW BACK

Final Blow SURFACE BLOW - DIED IN 14 MINUTES
FSI: NO BLOW

Recovery - Total Feet 20 Flush Tool? NO

20 Feet of DRILLING MUD
Rec. _____ Feet of _____
Rec. _____ Feet of _____
Rec. _____ Feet of _____
Rec. _____ Feet of _____

BHT 138 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 2500 ppm System

(A) Initial Hydrostatic Mud 2843.2 PSI AK1 Recorder No. 13277 Range 4125

(B) First Initial Flow Pressure 106.8 PSI @ (depth) 5747 w / Clock No. 27594

(C) First Final Flow Pressure 107.9 PSI AK1 Recorder No. 11038 Range 5075

(D) Initial Shut-in Pressure 107.9 PSI @ (depth) 5773 w / Clock No. 30418

(E) Second Initial Flow Pressure 107.9 PSI AK1 Recorder No. _____ Range _____

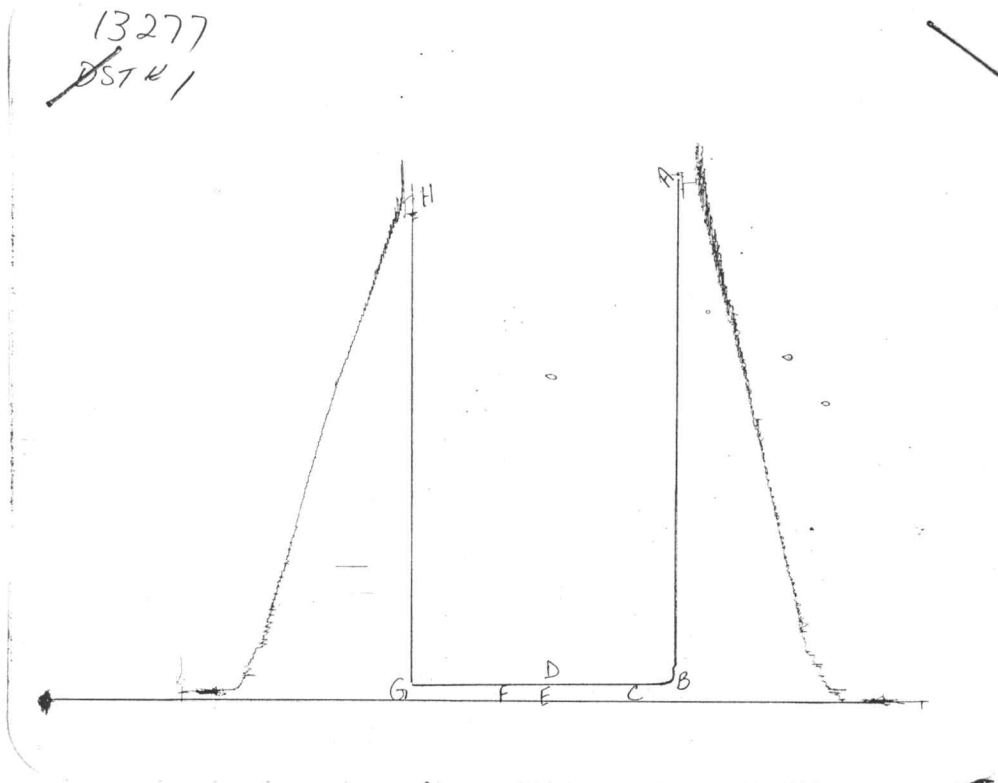
(F) Second Final Flow Pressure 107.9 PSI @ (depth) _____ w / Clock No. _____

(G) Final Shut-in Pressure 98.3 PSI Initial Opening 30 Final Flow 30

(H) Final Hydrostatic Mud 2730.4 PSI Initial Shut-in 60 Final Shut-in 60

Our Representative TOM HORACEK

CHART PAGE



This is an actual photograph of recorder chart

	FIELD READING	OFFICE READING
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(A) INITIAL HYDROSTATIC MUD	2841	2843.2
(B) FIRST INITIAL FLOW PRESSURE	108	106.8
(C) FIRST FINAL FLOW PRESSURE	108	107.9
(D) INITIAL CLOSED-IN PRESSURE	108	107.9
(E) SECOND INITIAL FLOW PRESSURE	108	107.9
(F) SECOND FINAL FLOW PRESSURE	108	107.9
(G) FINAL CLOSED-IN PRESSURE	97	98.3
(H) FINAL HYDROSTATIC MUD	2729	2730.4

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Drill-Stem Test Data

Well Name SCHOONOVER "A" #1 Test No. 2 Date 7/15/92
Company CHARTER PRODUCTION COMPANY Zone MORROW
Address 224 EAST DOUGLAS WICHITA KS 67202 Elevation 2710 K.B.
Co. Rep./Geo. ROBERT SMITH Cont. EAGLE DRILLING #1 Est. Ft. of Pay _____
Location: Sec. 23 Twp. 33S Rge. 30W Co. MEADE State KS

Interval Tested 5713-5839
Anchor Length 126
Top Packer Depth 5708
Bottom Packer Depth 5713
Total Depth 5839

Drill Pipe Size 4.5 XH
Wt. Pipe I.D. - 2.7 Ft. Run _____
Drill Collar - 2.25 Ft. Run 457
Mud Wt. 9 lb/Gal.
Viscosity 53 Filtrate 10.4

Tool Open @ 4:55 PM Initial Blow 1" BLOW - BUILT TO BOTTOM OF BUCKET IN 7 MINUTES
ISI: BLED OFF BLOW-NO BLOW BACK
Final Blow SURFACE BLOW - BUILT TO 3"
FSI: NO BLOW

Recovery - Total Feet 120 Flush Tool? NO

Rec. 120 Feet of DRILLING MUD
Rec. _____ Feet of _____
Rec. _____ Feet of _____
Rec. _____ Feet of _____
Rec. _____ Feet of _____

BHT 139 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 4000 ppm System

(A) Initial Hydrostatic Mud 2843.2 PSI AK1 Recorder No. 13277 Range 4125

(B) First Initial Flow Pressure 98.3 PSI @ (depth) 5717 w / Clock No. 27594

(C) First Final Flow Pressure 98.3 PSI AK1 Recorder No. 11038 Range 5075

(D) Initial Shut-in Pressure 98.3 PSI @ (depth) 5836 w / Clock No. 30418

(E) Second Initial Flow Pressure 98.3 PSI AK1 Recorder No. _____ Range _____

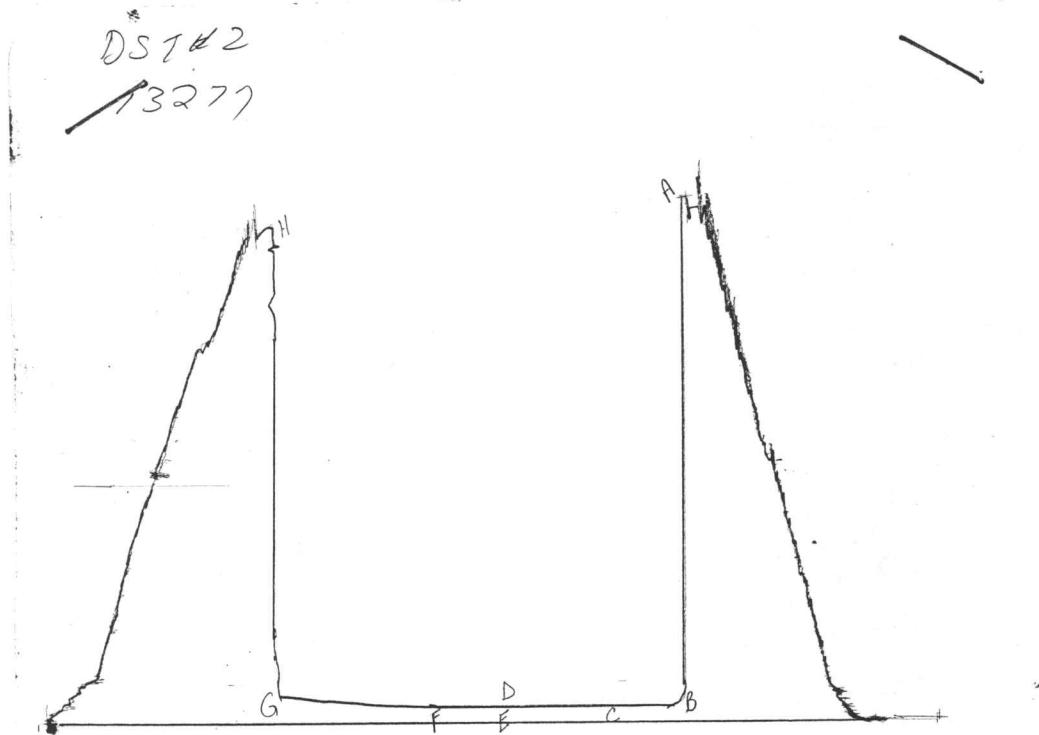
(F) Second Final Flow Pressure 98.3 PSI @ (depth) _____ w / Clock No. _____

(G) Final Shut-in Pressure 166.4 PSI Initial Opening 30 Final Flow 60

(H) Final Hydrostatic Mud 2740.8 PSI Initial Shut-in 60 Final Shut-in 90

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CHART PAGE



This is an actual photograph of recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2841	2843.2
(B) FIRST INITIAL FLOW PRESSURE	97	98.3
(C) FIRST FINAL FLOW PRESSURE	97	98.3
(D) INITIAL CLOSED-IN PRESSURE	97	98.3
(E) SECOND INITIAL FLOW PRESSURE	97	98.3
(F) SECOND FINAL FLOW PRESSURE	97	98.3
(G) FINAL CLOSED-IN PRESSURE	162	166.4
(H) FINAL HYDROSTATIC MUD	2739	2740.8