TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name FINLEY #1 Test No. 1 Date 10/6/93

Company CHARTER PRODUCTION COMPANY Zone MORROW

Address 224 EAST DOUGLAS #400 WICHITA KS 67202 Elevation 2841

Co. Rep./Geo. CHUCK SCHMALTZ Cont. ABERCROMBIE RIG #8 Est. Ft. of Pay

Location: Sec. 4 Twp. 24S Rge. 32W Co. FINNEY State KS

Interval Tested 4740-4779 Drill Pipe Size 4.5" XH

Anchor Length 39 Wt. Pipe I.D. - 2.7 Ft. Run 501

Top Packer Depth 4735 Drill Collar – 2.25 Ft. Run

Bottom Packer Depth 4740 Mud Wt. 9.3 lb/Gal.

Total Depth 4779 Viscosity 46 Filtrate 12

Tool Open @ 6:28 PM Initial Blow WEAK SURFACE TO 1" IN 20 MINUTES
1" BLOW FOR 40 MINUTES

Final Blow WEAK SURFACE TO 1" IN 60 MINUTES

Recovery - Total Feet 135 Flush Tool? NO

Rec. 135 Feet of SLTLY OIL STAINED WATERY MUD-25%WTR/75%MUD

Rec. Feet of

Rec. Feet of

Rec. Feet of

Rec. Feet of

BHT 112 °F Gravity °API @ °F Corrected Gravity °API

RW 0.3 @ 65 °F Chlorides 24000 ppm Recovery Chlorides 3000 ppm System

(A) Initial Hydrostatic Mud 2301.5 PSI AK1 Recorder No. 13308 Range 4700

(B) First Initial Flow Pressure 55.4 PSI @ (depth) 4743 w / Clock No. 17652

(C) First Final Flow Pressure 80.3 PSI AK1 Recorder No. 11057 Range 4500

(D) Initial Shut-in Pressure 1200.3 PSI @ (depth) 4774 w / Clock No. 27566

(E) Second Initial Flow Pressure 79.1 PSI AK1 Recorder No. Range

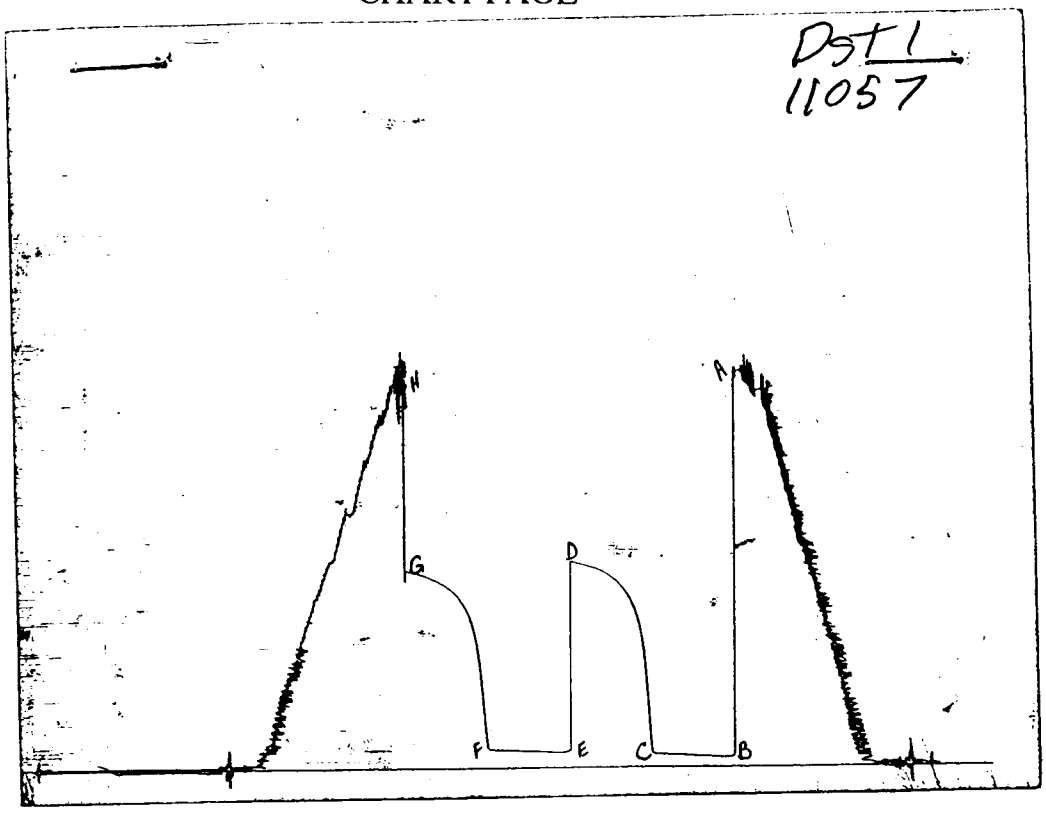
(F) Second Final Flow Pressure 102.3 PSI @ (depth) w / Clock No.

(G) Final Shut-in Pressure 1144.5 PSI Initial Opening 60 Final Flow 60

(H) Final Hydrostatic Mud 2277.8 PSI Initial Shut-in 60 Final Shut-in 60

Our Representative MARK HERSKOWITZ

CHART PAGE



This is an actual photograph of recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2298	2301.5
(B) FIRST INITIAL FLOW PRESSURE	56	55.4
(C) FIRST FINAL FLOW PRESSURE	78	80.3
(D) INITIAL CLOSED-IN PRESSURE	1197	1200.3
(E) SECOND INITIAL FLOW PRESSURE	78	79.1
(F) SECOND FINAL FLOW PRESSURE	101	102.3
(G) FINAL CLOSED-IN PRESSURE	1141	1144.5
(H) FINAL HYDROSTATIC MUD	2276	2277.8

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Test Ticket

№ 5771

Well Name & No. FINLEY 1 II Test No. 1 Date 10-6-93

Company CHARTER PRODUCTION Zone Tested MORROW

Address 224 E. Douglas Ste 400 Wichita Elevation 2841 KB

Co. Rep./Geo. CHUCK SCHMACT Cont. A.L.A. Rig 8 Est. Ft. of Pay

Location: Sec. 4 Twp. 24 Rge. 32 Co. FINNEY State KS

No. of Copies 10 Distribution Sheet ____ Yes ____ No Turnkey ____ Yes ✓ No ____ Evaluation

Interval Tested 4740-4779 Drill Pipe Size 4½ XH

Anchor Length 39 Top Choke — 1" ____ Bottom Choke — ¾" ____

Top Packer Depth 4735 Hole Size — 7⅞" ____ Rubber Size — 6¾" ____

Bottom Packer Depth 4740 Wt. Pipe I.D. — 2.7 Ft. Run 501

Total Depth 4779 Drill Collar — 2.25 Ft. Run ____

Mud Wt. 9.3 LCM — lb/gal. Viscosity 46 Filtrate 12.0

Tool Open @ 6:28 PM Initial Blow WEAK SURFACE 1" IN 20 MIN

1" BLOW FOR 40 MIN

Final Blow WEAK SURFACE TO 1" IN 60 MIN

Recovery — Total Feet 135 Feet of Gas in Pipe ____ Flush Tool? ____

Rec. 135	Feet Of SOCS WATER MUD	%gas TR	%oil 25	%water 75	%mud	
Rec. ____	Feet Of ____	%gas	%oil	%water	%mud	
Rec. ____	Feet Of ____	%gas	%oil	%water	%mud	
Rec. ____	Feet Of ____	%gas	%oil	%water	%mud	
Rec. ____	Feet Of ____	%gas	%oil	%water	%mud	

BHT 112 °F Gravity ____ °API @ ____ °F Corrected Gravity ____ °API

RW 0.30 @ 65 °F Chlorides 24000 ppm Recovery Chlorides 3000 ppm System

(A) Initial Hydrostatic Mud	2298 PSI	AK1 Recorder No.	13308	Range	4700
(B) First Initial Flow Pressure	56 PSI	@ (depth)	4743	w/Clock No.	17652
(C) First Final Flow Pressure	78 PSI	AK1 Recorder No.	11057	Range	4500
(D) Initial Shut-in Pressure	1197 PSI	@ (depth)	4774	w/Clock No.	27566
(E) Second Initial Flow Pressure	78 PSI	AK1 Recorder No.	____	Range	____
(F) Second Final Flow Pressure	101 PSI	@ (depth)	____	w/Clock No.	____
(G) Final Shut-in Pressure	1141 PSI	Initial Opening	60	Test	600
(H) Final Hydrostatic Mud	2276 PSI	Initial Shut-in	60	Jars	200
		Final Flow	60	Safety Joint	50
		Final Shut-in	60	Straddle	____
				Circ. Sub	NC
				Sampler	____
				Extra Packer	____
				Other	____
				TOTAL PRICE $	

TRILOBITE TESTING L.L.C. SHALL NOT BE LIABLE FOR DAMAGE OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

Approved By Chuck Schmact

Our Representative Mark Hershberger

Printcraft Printers - Hays, KS

Control

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