

# TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

## Drill-Stem Test Data

Well Name SMOTHERMON #1 Test No. 1 Date 11/23/94  
Company WANKER OIL Zone JOHNSON  
Address RR2 BOX 14 Elevation 3155  
Co. Rep./Geo. MARK TORR Cont. EMPHASIS #7 Est. Ft. of Pay 4  
Location: Sec. 18 Twp. 13S Rge. 33W Co. LOGAN State KS

Interval Tested 4454-4498 Drill Pipe Size 4.5" XH  
Anchor Length 44 Wt. Pipe I.D. - 2.7 Ft. Run \_\_\_\_\_  
Top Packer Depth 4449 Drill Collar - 2.25 Ft. Run \_\_\_\_\_  
Bottom Packer Depth 4454 Mud Wt. 9.4 lb/Gal.  
Total Depth 4498 Viscosity 47 Filtrate 10

Tool Open @ 11:00PM Initial Blow WEAK SURFACE BLOW - DIED IN 21 MINUTES

Final Blow NO BLOW

Recovery - Total Feet 15 Flush Tool? NO

Rec. 15 Feet of DRILLING MUD  
Rec. \_\_\_\_\_ Feet of \_\_\_\_\_  
Rec. \_\_\_\_\_ Feet of \_\_\_\_\_  
Rec. \_\_\_\_\_ Feet of \_\_\_\_\_  
Rec. \_\_\_\_\_ Feet of \_\_\_\_\_

BHT 116 °F Gravity \_\_\_\_\_ °API @ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API  
RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm Recovery Chlorides 3100 ppm System

(A) Initial Hydrostatic Mud 2238.0 PSI AK1 Recorder No. 10332 Range 4050

(B) First Initial Flow Pressure 45.6 PSI @ (depth) 4459 w / Clock No. 25828

(C) First Final Flow Pressure 45.6 PSI AK1 Recorder No. 11086 Range 4350

(D) Initial Shut-in Pressure 67.8 PSI @ (depth) 4492 w / Clock No. 25114

(E) Second Initial Flow Pressure 50.6 PSI AK1 Recorder No. \_\_\_\_\_ Range \_\_\_\_\_

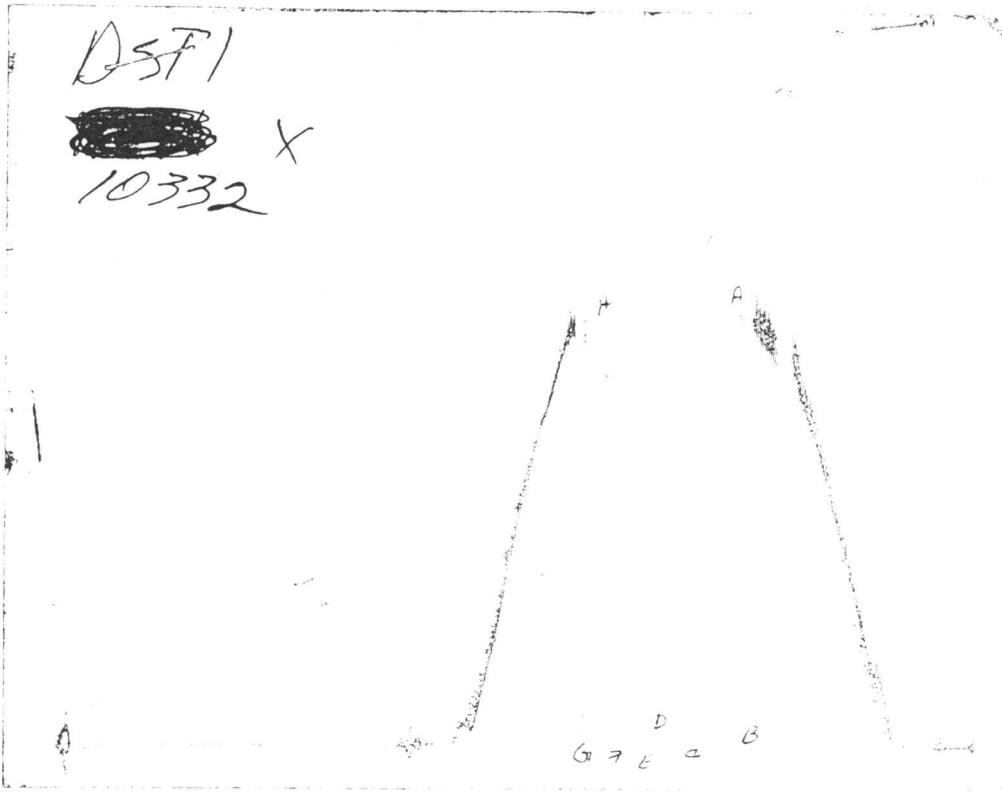
(F) Second Final Flow Pressure 50.6 PSI @ (depth) \_\_\_\_\_ w / Clock No. \_\_\_\_\_

(G) Final Shut-in Pressure 57.7 PSI Initial Opening 30 Final Flow 15

(H) Final Hydrostatic Mud 2234.0 PSI Initial Shut-in 30 Final Shut-in 30

Our Representative GARY SPEER

CHART PAGE



This is an actual photograph of recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2248	2238
(B) FIRST INITIAL FLOW PRESSURE	50	45.6
(C) FIRST FINAL FLOW PRESSURE	50	45.6
(D) INITIAL CLOSED-IN PRESSURE	60	67.8
(E) SECOND INITIAL FLOW PRESSURE	50	50.6
(F) SECOND FINAL FLOW PRESSURE	50	50.6
(G) FINAL CLOSED-IN PRESSURE	50	57.7
(H) FINAL HYDROSTATIC MUD	2228	2234

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## Drill-Stem Test Data

Well Name SMOTHERMON #1 Test No. 2 Date 11/24/94  
Company WANKER OIL Zone LWR JOHNSON  
Address RR2 BOX 14 Elevation 3155  
Co. Rep./Geo. MARK TORR Cont. EMPHASIS #7 Est. Ft. of Pay 10  
Location: Sec. 18 Twp. 13S Rge. 33W Co. LOGAN State KS

Interval Tested 4506-4532 Drill Pipe Size 4.5" XH  
Anchor Length 26 Wt. Pipe I.D. - 2.7 Ft. Run \_\_\_\_\_  
Top Packer Depth 4501 Drill Collar - 2.25 Ft. Run \_\_\_\_\_  
Bottom Packer Depth 4506 Mud Wt. 9.2 lb/Gal.  
Total Depth 4532 Viscosity 47 Filtrate 9.4

Tool Open @ 5:13PM Initial Blow BOTTOM OF BUCKET IN 9 1/2 MINUTES  
ISI: BO RETURN BLOW  
Final Blow BOTTOM OF BUCKET IN 26 MINUTES  
FSI: NO RETURN BLOW

Recovery - Total Feet 630 Flush Tool? NO

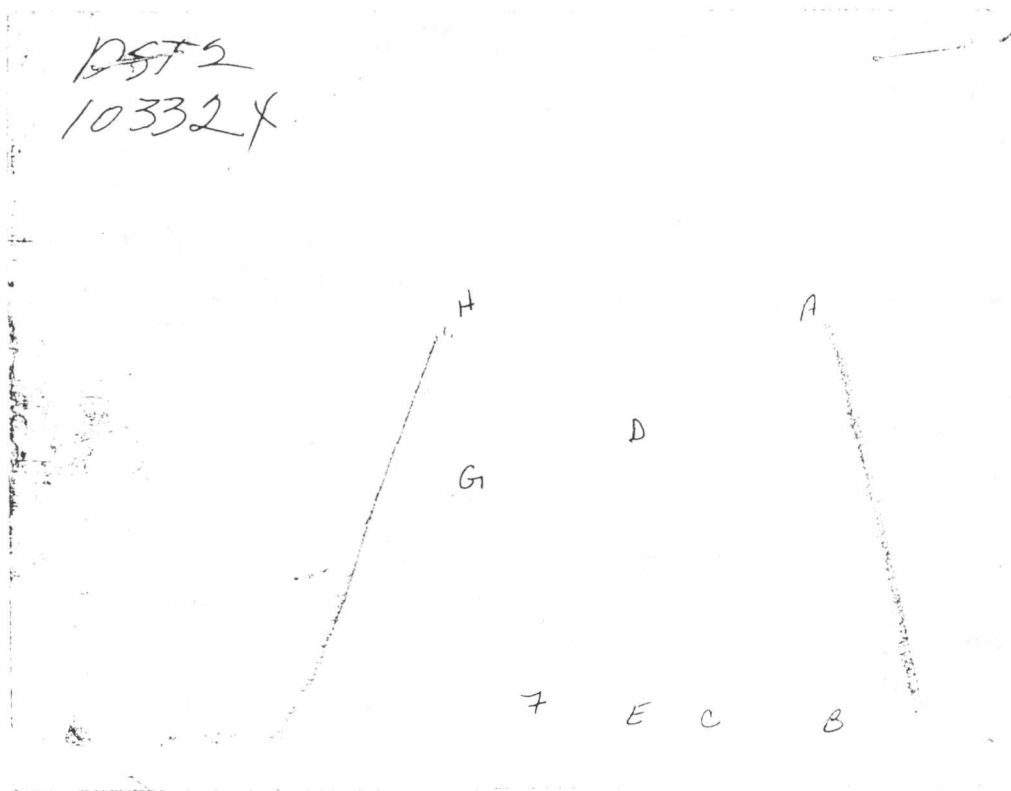
Rec. 430 Feet of DRILLING MUD  
Rec. 200 Feet of MUD CUT WATER 85%WATER/15%MUD  
Rec. \_\_\_\_\_ Feet of \_\_\_\_\_  
Rec. \_\_\_\_\_ Feet of \_\_\_\_\_  
Rec. \_\_\_\_\_ Feet of \_\_\_\_\_

BHT 128 °F Gravity \_\_\_\_\_ °API @ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API  
RW 0.3 @ 50 °F Chlorides 30000 ppm Recovery Chlorides 2200 ppm System

(A) Initial Hydrostatic Mud 2191.0 PSI AK1 Recorder No. 10332 Range 4050  
(B) First Initial Flow Pressure 78.9 PSI @ (depth) 4508 w / Clock No. 25828  
(C) First Final Flow Pressure 214.6 PSI AK1 Recorder No. 11086 Range 4350  
(D) Initial Shut-in Pressure 1546.9 PSI @ (depth) 4526 w / Clock No. 25114  
(E) Second Initial Flow Pressure 223.7 PSI AK1 Recorder No. \_\_\_\_\_ Range \_\_\_\_\_  
(F) Second Final Flow Pressure 308.7 PSI @ (depth) \_\_\_\_\_ w / Clock No. \_\_\_\_\_  
(G) Final Shut-in Pressure 1291.3 PSI Initial Opening 60 Final Flow 60  
(H) Final Hydrostatic Mud 2174.0 PSI Initial Shut-in 60 Final Shut-in 60

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CHART PAGE



This is an actual photograph of recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2248	2191
(B) FIRST INITIAL FLOW PRESSURE	80	78.9
(C) FIRST FINAL FLOW PRESSURE	202	214.6
(D) INITIAL CLOSED-IN PRESSURE	1569	1547
(E) SECOND INITIAL FLOW PRESSURE	222	223.7
(F) SECOND FINAL FLOW PRESSURE	313	308.7
(G) FINAL CLOSED-IN PRESSURE	1276	1291
(H) FINAL HYDROSTATIC MUD	2178	2174