TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name BOOS #1 Test No. 1 Date 4/15/93

Company STAAB ENERGY & LEASING Zone LKC-"H-I-J"

Address 2514 HANEY DRIVE HAYS KS 67601 Elevation 2295

Co. Rep./Geo. RON NELSON Cont. MURFIN RIG #3 Est. Ft. of Pay

Location: Sec. 25 Twp. 13S Rge. 21W Co. TREGO State KS

Interval Tested 3730-3813 Drill Pipe Size 4.5" XH

Anchor Length 83 Wt. Pipe I.D. - 2.7 Ft. Run 667

Top Packer Depth 3725 Drill Collar – 2.25 Ft. Run 236

Bottom Packer Depth 3730 Mud Wt. 9.2 lb/Gal.

Total Depth 3813 Viscosity 43 Filtrate 10.8

Tool Open @ 6:30 AM Initial Blow WEAK 1/2" BLOW DECREASING TO 1/4"

Final Blow NO BLOW - FLUSHED TOOL - NO BLOW AFTER SURGE

Recovery - Total Feet 10 Flush Tool? YES

Rec. 10 Feet of MUD WITH OIL SPOTS

Rec. Feet of

Rec. Feet of

Rec. Feet of

Rec. Feet of

BHT 104 °F Gravity °API @ °F Corrected Gravity °API

RW @ °F Chlorides ppm Recovery Chlorides ppm System

(A) Initial Hydrostatic Mud 1856.3 PSI AK1 Recorder No. 22150 Range 3925

(B) First Initial Flow Pressure 70.2 PSI @ (depth) 3734 w / Clock No. 30401

(C) First Final Flow Pressure 65.2 PSI AK1 Recorder No. 24174 Range 3050

(D) Initial Shut-in Pressure 277.4 PSI @ (depth) 3812 w / Clock No. 19960

(E) Second Initial Flow Pressure 70.2 PSI AK1 Recorder No. Range

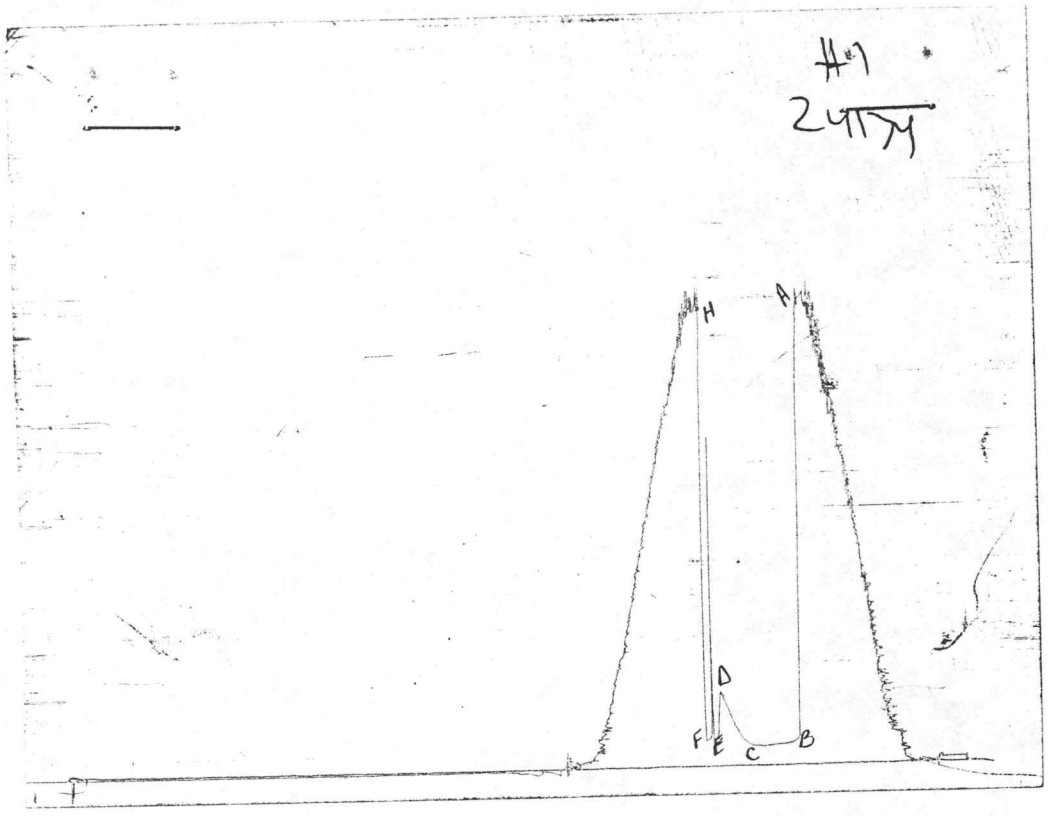
(F) Second Final Flow Pressure 70.2 PSI @ (depth) w / Clock No.

(G) Final Shut-in Pressure PSI Initial Opening 30 Final Flow 5

(H) Final Hydrostatic Mud 1822.3 PSI Initial Shut-in 30 Final Shut-in

Our Representative PAUL SIMPSON

CHART PAGE



This is an actual photograph of recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	1849	1856.3
(B) FIRST INITIAL FLOW PRESSURE	67	70.2
(C) FIRST FINAL FLOW PRESSURE	67	65.2
(D) INITIAL CLOSED-IN PRESSURE	276	277.4
(E) SECOND INITIAL FLOW PRESSURE	67	70.2
(F) SECOND FINAL FLOW PRESSURE	67	70.2
(G) FINAL CLOSED-IN PRESSURE		
(H) FINAL HYDROSTATIC MUD	1819	1822.3

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Drill-Stem Test Data

Well Name: BOOS #1 | Test No.: 2 | Date: 4/15/93

Company: STAAB ENERGY & LEASING | Zone: MARMATON

Address: 2514 HANEY DRIVE HAYS KS 67601 | Elevation: 2295

Co. Rep./Geo.: RON NELSON | Cont.: MURFIN RIG #3 | Est. Ft. of Pay:

Location: Sec.: 25 | Twp.: 13S | Rge.: 21W | Co.: TREGO | State: KS

Interval Tested: 3928-3965 | Drill Pipe Size: 4.5" XH

Anchor Length: 37 | Wt. Pipe I.D. - 2.7 Ft. Run: 730

Top Packer Depth: 3923 | Drill Collar – 2.25 Ft. Run: 236

Bottom Packer Depth: 3928 | Mud Wt.: 9.2 lb/Gal.

Total Depth: 3965 | Viscosity: 43 | Filtrate: 10.8

Tool Open @: 10:15 PM | Initial Blow: WEAK 1/4" BLOW - DECREASING TO SURFACE BLOW

Final Blow: NO BLOW AFTER 30 SECONDS - PULLED TOOL AS PER ORDERS

Recovery - Total Feet: 10 | Flush Tool?: NO

Rec. 10 Feet of SLTLY OIL STAINED MUD

Rec. Feet of FREE OIL IN TOOL

Rec. Feet of

Rec. Feet of

Rec. Feet of

BHT: 109 °F | Gravity: °API @ °F | Corrected Gravity: °API

RW: @ °F | Chlorides: ppm Recovery | Chlorides: ppm System

(A) Initial Hydrostatic Mud: 1984.5 PSI | AK1 Recorder No.: 22150 | Range: 3925

(B) First Initial Flow Pressure: 35.2 PSI | @ (depth): 3931 | w / Clock No.: 31154

(C) First Final Flow Pressure: 40.2 PSI | AK1 Recorder No.: 24174 | Range: 3050

(D) Initial Shut-in Pressure: 688.9 PSI | @ (depth): 3961 | w / Clock No.: 25814

(E) Second Initial Flow Pressure: 40.2 PSI | AK1 Recorder No.: | Range:

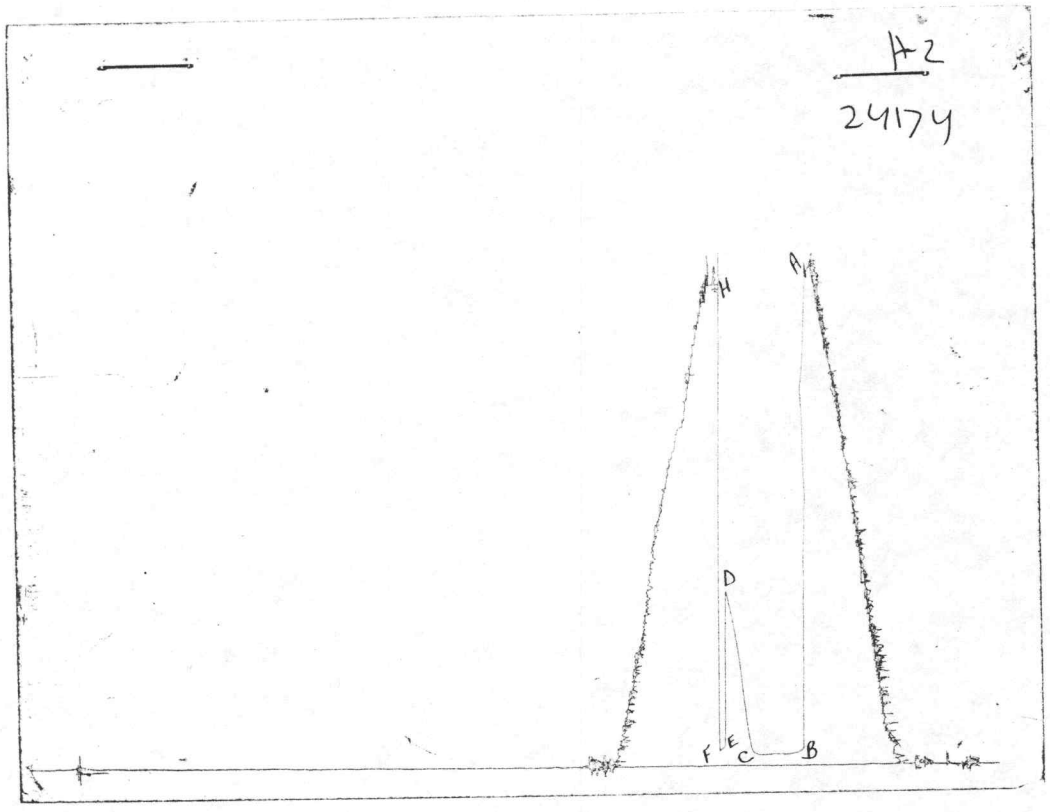
(F) Second Final Flow Pressure: 40.2 PSI | @ (depth): | w / Clock No.:

(G) Final Shut-in Pressure: PSI | Initial Opening: 30 | Final Flow: 5

(H) Final Hydrostatic Mud: 1963.5 PSI | Initial Shut-in: 30 | Final Shut-in:

Our Representative: PAUL SIMPSON

CHART PAGE



This is an actual photograph of recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	1973	1984.5
(B) FIRST INITIAL FLOW PRESSURE	30	35.2
(C) FIRST FINAL FLOW PRESSURE	37	40.2
(D) INITIAL CLOSED-IN PRESSURE	682	688.9
(E) SECOND INITIAL FLOW PRESSURE	37	40.2
(F) SECOND FINAL FLOW PRESSURE	37	40.2
(G) FINAL CLOSED-IN PRESSURE		
(H) FINAL HYDROSTATIC MUD	1957	1963.5