

TRILOBITE TESTING COMPANY, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name KING FARM INC. #1 Test No. 1 Date 1/10/92
Company DANIEL L. KING Zone Tested MISSISSIPPI
Address RR #1 BOX 95 JETMORE KANSAS 67854 Elevation 2305 K.B.
Co. Rep./Geo. RON OSTERBUHR Cont. EMPHASIS RIG #8 Est. Ft. of Pay 5
Location: Sec. 18 Twp. 21S Rge. 24W Co. HODGEMAN State KS

Interval Tested 4394-4415 Drill Pipe Size 4.5 XH
Anchor Length 21 Wt. Pipe I.D. - 2.7 Ft. Run _____
Top Packer Depth 4389 Drill Collar — 2.25 Ft. Run _____
Bottom Packer Depth 4394
Total Depth 4415

Mud Wt. 9.4 lb / gal. Viscosity 45 Filtrate 10.8

Tool Open @ 9:12 PM Initial Blow SURFACE BLOW BUILT TO 1/2" AND STAYED STEADY
ISI: NO BLOW

Final Blow WEAK SURFACE RETURN DIED IN 8 MINUTES

Recovery — Total Feet 1 Flush Tool? NO

Rec. 1 Feet of DRLG MUD W/ SCUM OF OIL IN TOOL

Rec. _____ Feet of _____

Rec. _____ Feet of _____

Rec. _____ Feet of _____

Rec. _____ Feet of _____

BHT 114 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API

RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 4000 ppm System

(A) Initial Hydrostatic Mud 2235.4 PSI AK1 Recorder No. 13309 Range 4700

(B) First Initial Flow Pressure 12.1 PSI @ (depth) 4400 w/Clock No. 27566

(C) First Final Flow Pressure 12.1 PSI AK1 Recorder No. 13339 Range 4025

(D) Initial Shut-in Pressure 22.3 PSI @ (depth) 4410 w/Clock No. 7952

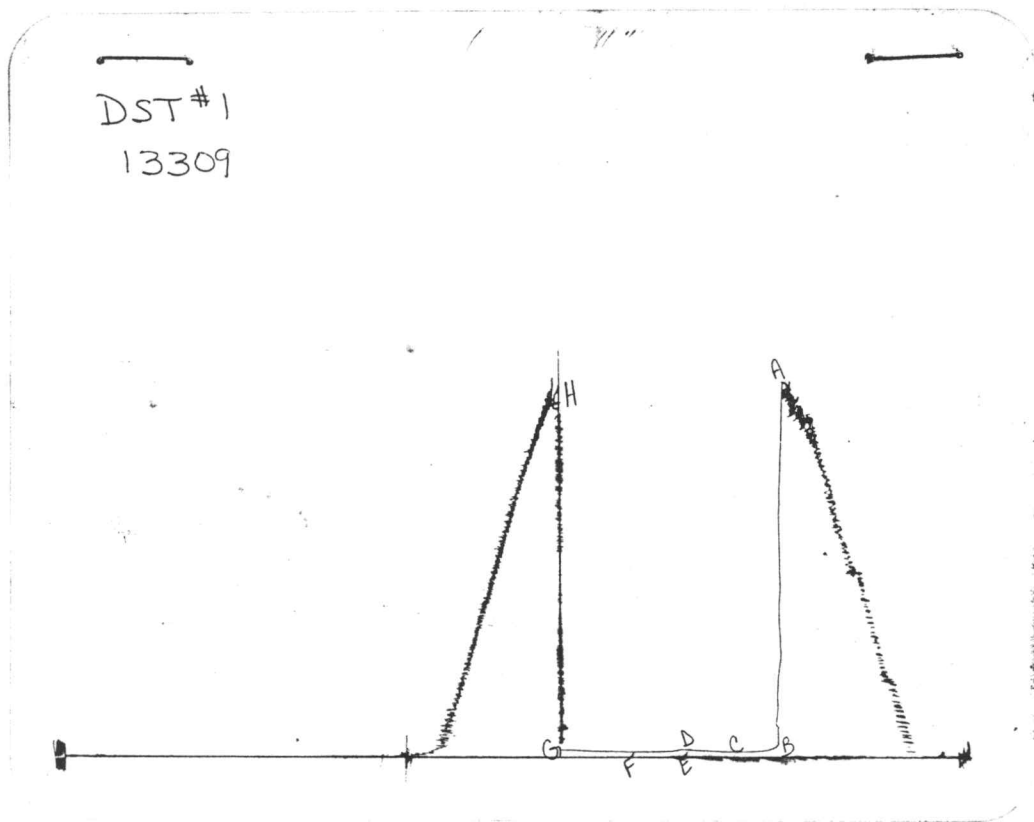
(E) Second Initial Flow Pressure 12.1 PSI AK1 Recorder No. _____ Range _____

(F) Second Final Flow Pressure 12.1 PSI @ (depth) _____ w/Clock No. _____

(G) Final Shut-in Pressure 12.1 PSI Initial Opening 30 Final Flow 30

(H) Final Hydrostatic Mud 2215.6 PSI Initial Shut-in 45 Final Shut-in 60

Our Representative ROD STEINBRINK TOTAL PRICE \$ 550



POINT This is an actual photograph of recorder chart PRESSURE

POINT	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2233	2235.4
(B) FIRST INITIAL FLOW PRESSURE	10	12.1
(C) FIRST FINAL FLOW PRESSURE	10	12.1
(D) INITIAL CLOSED-IN PRESSURE	20	22.3
(E) SECOND INITIAL FLOW PRESSURE	10	12.1
(F) SECOND FINAL FLOW PRESSURE	10	12.1
(G) FINAL CLOSED-IN PRESSURE	10	12.1
(H) FINAL HYDROSTATIC MUD	2213	2215.6

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Drill-Stem Test Data

Well Name KING FARM INC. #1 Test No. 2 Date 1/11/92
Company DANIEL L. KING Zone Tested MISSISSIPPI
Address RR #1 BOX 95 JETMORE KANSAS 67854 Elevation 2305 K.B.
Co. Rep./Geo. RON OSTERBUHR Cont. EMPHASIS RIG #8 Est. Ft. of Pay 5
Location: Sec. 18 Twp. 21S Rge. 24W Co. HODGEMAN State KS

Interval Tested 4396-4426 Drill Pipe Size 4.5 XH
Anchor Length 30 Wt. Pipe I.D. - 2.7 Ft. Run _____
Top Packer Depth 4391 Drill Collar — 2.25 Ft. Run _____
Bottom Packer Depth 4396
Total Depth 4426

Mud Wt. 9.5 lb / gal. Viscosity 42 Filtrate 13.4

Tool Open @ 11:25 AM Initial Blow 1/2" BLOW BUILT TO 3" THROUGHOUT
ISI: BLED OFF BLOW-NO RETURN
Final Blow 1/4" RETURN SLOWLY DECREASED AND DIED IN 31 MIN

Recovery — Total Feet 50 Flush Tool? NO

Rec. 50 Feet of DRLG MUD W/ SHOW OF OIL IN TOOL

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 4000 ppm System

(A) Initial Hydrostatic Mud 2270.2 PSI AK1 Recorder No. 13309 Range 4700

(B) First Initial Flow Pressure 45.3 PSI @ (depth) 4417 w/Clock No. 27566

(C) First Final Flow Pressure 45.3 PSI AK1 Recorder No. 13339 Range 4025

(D) Initial Shut-in Pressure 181.2 PSI @ (depth) 4421 w/Clock No. 7452

(E) Second Initial Flow Pressure 45.3 PSI AK1 Recorder No. _____ Range _____

(F) Second Final Flow Pressure 45.3 PSI @ (depth) _____ w/Clock No. _____

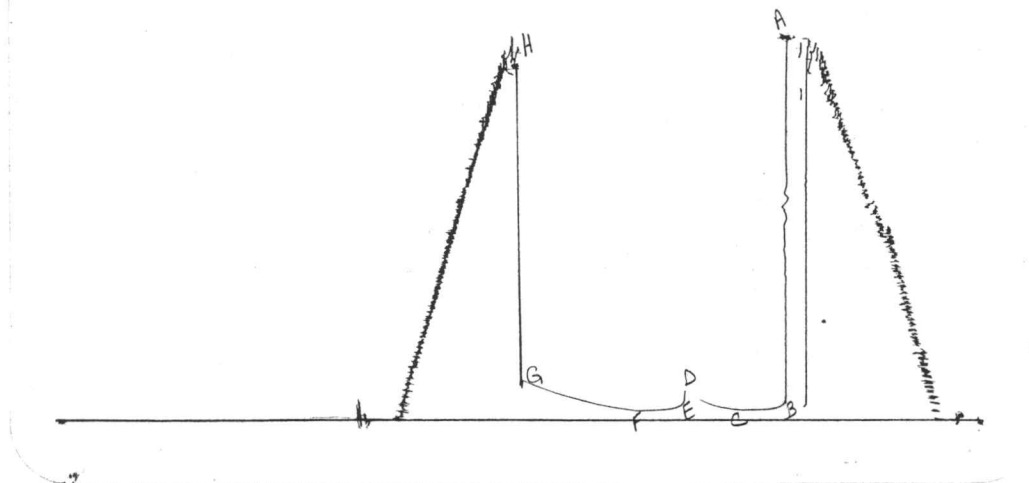
(G) Final Shut-in Pressure 240.5 PSI Initial Opening 30 Final Flow 35

(H) Final Hydrostatic Mud 2235.6 PSI Initial Shut-in 45 Final Shut-in 90

Our Representative ROD STEINBRINK

TOTAL PRICE \$ 550

DST #2
13309



POINT

This is an actual photograph of recorder chart
PRESSURE

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2263	2270.2
(B) FIRST INITIAL FLOW PRESSURE	41	45.3
(C) FIRST FINAL FLOW PRESSURE	41	45.3
(D) INITIAL CLOSED-IN PRESSURE	176	181.2
(E) SECOND INITIAL FLOW PRESSURE	41	45.3
(F) SECOND FINAL FLOW PRESSURE	41	45.3
(G) FINAL CLOSED-IN PRESSURE	236	240.5
(H) FINAL HYDROSTATIC MUD	2233	2235.6

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Drill-Stem Test Data

Well Name KING FARM INC. #1 Test No. 3 Date 1/12/92
Company DANIEL L. KING Zone Tested MISSISSIPPI
Address RR #1 BOX 95 JETMORE KANSAS 67854 Elevation 2305 K.B.
Co. Rep./Geo. RON OSTERBUHR Cont. EMPHASIS RIG #8 Est. Ft. of Pay 5
Location: Sec. 18 Twp. 21S Rge. 24W Co. HODGEMAN State KS

Interval Tested 4424-4441
Anchor Length 17
Top Packer Depth 4419
Bottom Packer Depth 4424
Total Depth 4441

Drill Pipe Size 4.5 XH
Wt. Pipe I.D. - 2.7 Ft. Run _____
Drill Collar - 2.25 Ft. Run _____

Mud Wt. 9.4 lb / gal. Viscosity 53 Filtrate 13.4

Tool Open @ 3:24 AM Initial Blow WEAK 1/2" BLOW STEADY THROUGHOUT
ISI: NO BLOW

Final Blow SURFACE RETURN DIED IN 24 MINUTES

Recovery - Total Feet 10 Flush Tool? NO

Rec. 1 Feet of FREE OIL

Rec. 9 Feet of DRILLING MUD

Rec. _____ Feet of _____

Rec. _____ Feet of _____

Rec. _____ Feet of _____
BHT 117 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API

RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 4000 ppm System

(A) Initial Hydrostatic Mud 2275.3 PSI AK1 Recorder No. 13309 Range 4700

(B) First Initial Flow Pressure 45.3 PSI @ (depth) 4427 w/Clock No. 27566

(C) First Final Flow Pressure 45.3 PSI AK1 Recorder No. 13339 Range 4025

(D) Initial Shut-in Pressure 951.3 PSI @ (depth) 4436 w/Clock No. 7452

(E) Second Initial Flow Pressure 55.3 PSI AK1 Recorder No. _____ Range _____

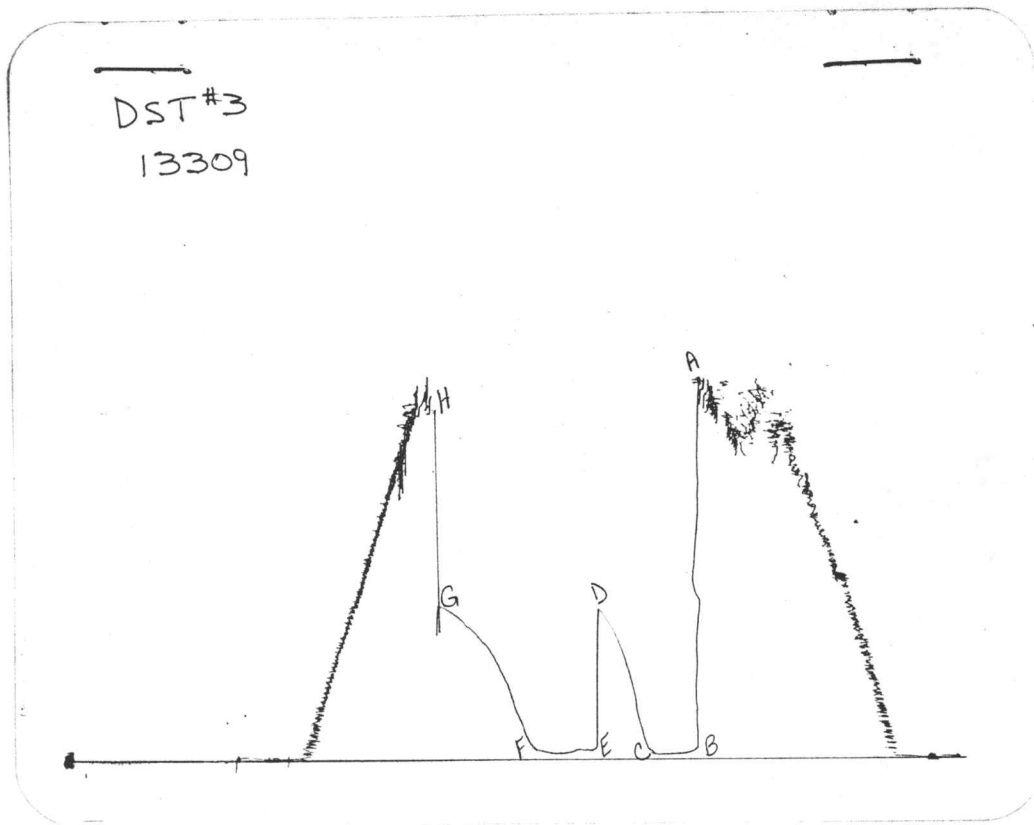
(F) Second Final Flow Pressure 55.3 PSI @ (depth) _____ w/Clock No. _____

(G) Final Shut-in Pressure 970.2 PSI Initial Opening 30 Final Flow 30

(H) Final Hydrostatic Mud 2235.6 PSI Initial Shut-in 45 Final Shut-in 90

Our Representative ROD STEINBRINK

TOTAL PRICE \$ 550



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POINT	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2273	2275.3
(B) FIRST INITIAL FLOW PRESSURE	41	45.3
(C) FIRST FINAL FLOW PRESSURE	41	45.3
(D) INITIAL CLOSED-IN PRESSURE	949	951.3
(E) SECOND INITIAL FLOW PRESSURE	52	55.3
(F) SECOND FINAL FLOW PRESSURE	52	55.3
(G) FINAL CLOSED-IN PRESSURE	969	970.2
(H) FINAL HYDROSTATIC MUD	2233	2235.6

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Drill-Stem Test Data

Well Name KING FARM INC. #1 Test No. 4 Date 1/12/92
Company DANIEL L. KING Zone Tested MISSISSIPPI
Address RR #1 BOX 95 JETMORE KANSAS 67854 Elevation 2305 K.B.
Co. Rep./Geo. RON OSTERBUHR Cont. EMPHASIS RIG #8 Est. Ft. of Pay 7
Location: Sec. 18 Twp. 21S Rge. 24W Co. HODGEMAN State KS

Interval Tested 4426-4448 Drill Pipe Size 4.5 XH
Anchor Length 22 Wt. Pipe I.D. - 2.7 Ft. Run _____
Top Packer Depth 4421 Drill Collar — 2.25 Ft. Run _____
Bottom Packer Depth 4426
Total Depth 4448

Mud Wt. 9.4 lb / gal. Viscosity 48 Filtrate 11.2

Tool Open @ 5:57 PM Initial Blow SURFACE BLOW BUILT TO 1" THROUGHOUT
ISI:NO BLOW
Final Blow SURFACE RETURN IN 5 MINUTES-DIED IN 21 MINUTES

Recovery — Total Feet 10 Flush Tool? NO

Rec. 10 Feet of DRILLING MUD W/ SHOW OF OIL

Rec. _____ Feet of _____

Rec. _____ Feet of _____

Rec. _____ Feet of _____

Rec. _____ Feet of _____

BHT 115 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API

RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 6000 ppm System

(A) Initial Hydrostatic Mud 2275.3 PSI Ak1 Recorder No. 13309 Range 4700

(B) First Initial Flow Pressure 45.3 PSI @ (depth) 4429 w/Clock No. 27566

(C) First Final Flow Pressure 45.3 PSI Ak1 Recorder No. 13339 Range 4025

(D) Initial Shut-in Pressure 1225.4 PSI @ (depth) 4443 w/Clock No. 7452

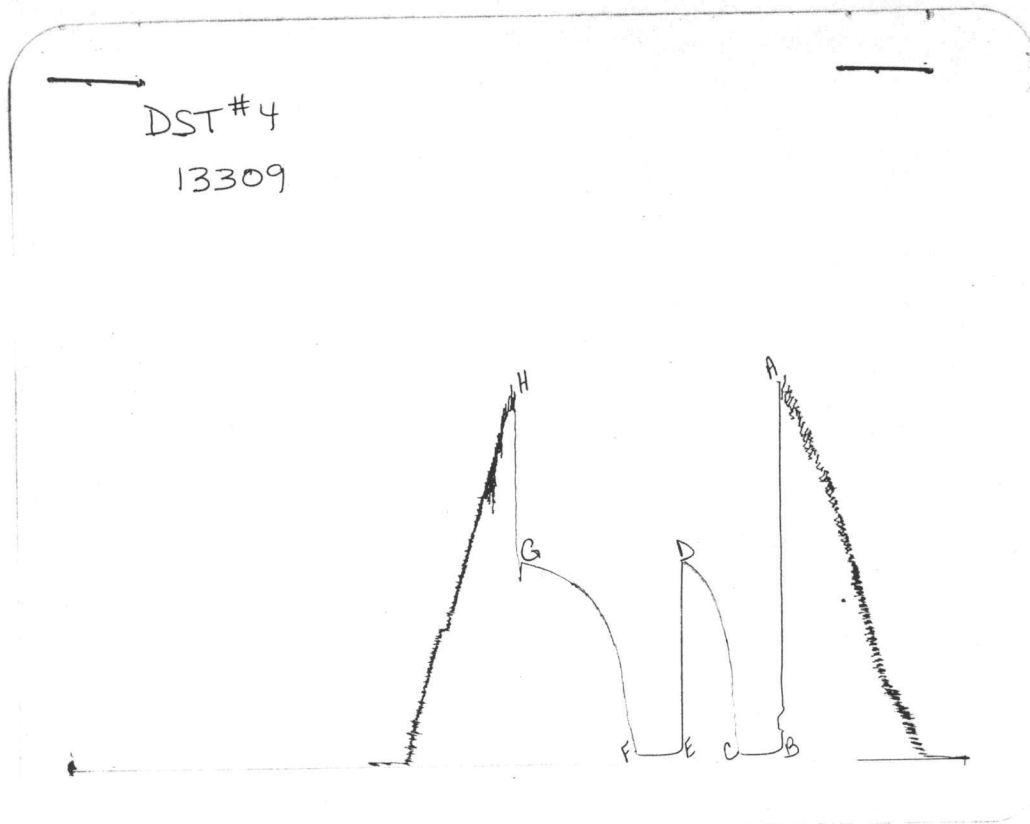
(E) Second Initial Flow Pressure 55.3 PSI Ak1 Recorder No. _____ Range _____

(F) Second Final Flow Pressure 55.3 PSI @ (depth) _____ w/Clock No. _____

(G) Final Shut-in Pressure 1225.4 PSI Initial Opening 30 Final Flow 30

(H) Final Hydrostatic Mud 2235.6 PSI Initial Shut-in 45 Final Shut-in 90

Our Representative ROD STEINBRINK TOTAL PRICE \$ 550



POINT

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PRESSURE

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2273	2275.3
(B) FIRST INITIAL FLOW PRESSURE	41	45.3
(C) FIRST FINAL FLOW PRESSURE	41	45.3
(D) INITIAL CLOSED-IN PRESSURE	1220	1225.4
(E) SECOND INITIAL FLOW PRESSURE	52	55.3
(F) SECOND FINAL FLOW PRESSURE	52	55.3
(G) FINAL CLOSED-IN PRESSURE	1220	1225.4
(H) FINAL HYDROSTATIC MUD	2233	2235.6

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Drill-Stem Test Data

Well Name KING FARM INC. #1 Test No. 5 Date 1/13/92
Company DANIEL L. KING Zone Tested MISSISSIPPI
Address RR #1 BOX 95 JETMORE KANSAS 67854 Elevation 2305 K.B.
Co. Rep./Geo. RON OSTERBUHR Cont. EMPHASIS RIG #8 Est. Ft. of Pay 7
Location: Sec. 18 Twp. 21S Rge. 24W Co. HODGEMAN State KS

Interval Tested 4437-4460 Drill Pipe Size 4.5 XH
Anchor Length 23 Wt. Pipe I.D. - 2.7 Ft. Run _____
Top Packer Depth 4432 Drill Collar — 2.25 Ft. Run _____
Bottom Packer Depth 4437
Total Depth 4460

Mud Wt. 9.4 lb / gal. Viscosity 48 Filtrate 11.2

Tool Open @ 8:38 AM Initial Blow WEAK SURFACE BLOW GRADUALLY BUILT TO 4"
ISI: BLED OFF BLOW-NO RETURN
Final Blow SURFACE RETURN BUILT TO 1" THROUGHOUT

Recovery — Total Feet 125 Flush Tool? NO

Rec. 125 Feet of WATERY MUD-60%WTR/40%MUD

Rec. _____ Feet of _____

Rec. _____ Feet of _____

Rec. _____ Feet of _____

Rec. _____ Feet of _____

BHT 118 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API

RW 0.62 @ 60 °F Chlorides 13000 ppm Recovery Chlorides 6000 ppm System

(A) Initial Hydrostatic Mud 2225.3 PSI AK1 Recorder No. 13309 Range 4700

(B) First Initial Flow Pressure 55.3 PSI @ (depth) 4440 w/Clock No. 27566

(C) First Final Flow Pressure 55.3 PSI AK1 Recorder No. 13339 Range 4025

(D) Initial Shut-in Pressure 1264.4 PSI @ (depth) 4455 w/Clock No. 7452

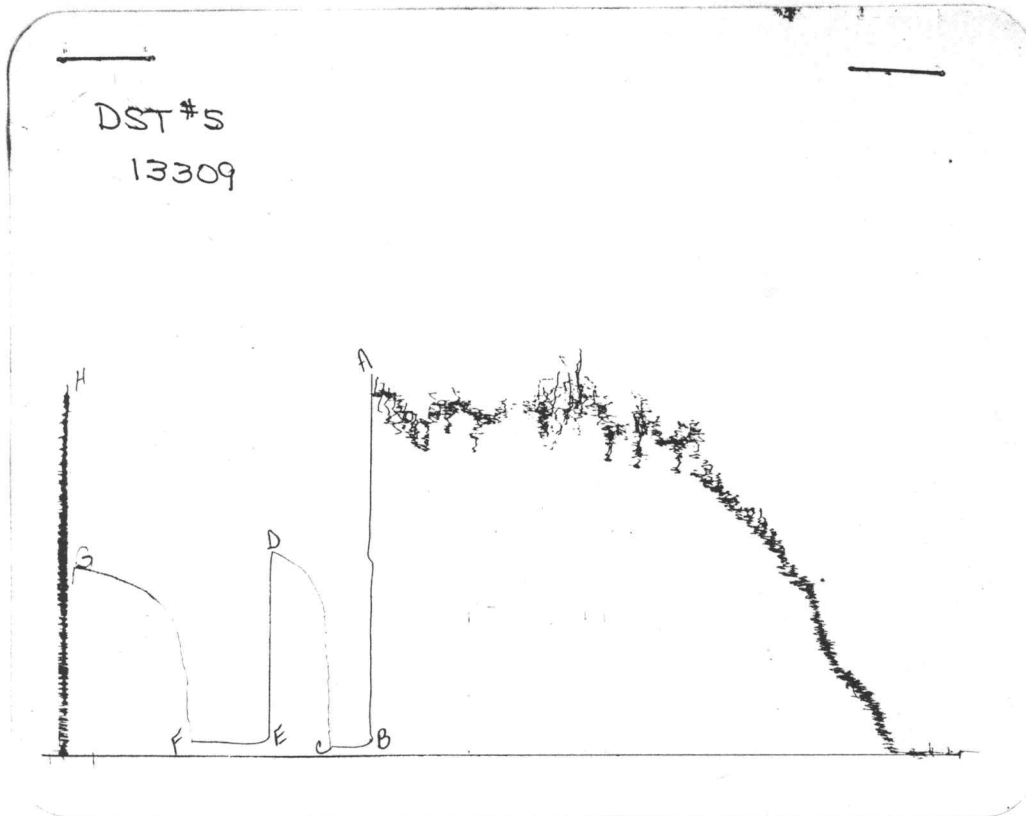
(E) Second Initial Flow Pressure 64.3 PSI AK1 Recorder No. _____ Range _____

(F) Second Final Flow Pressure 64.3 PSI @ (depth) _____ w/Clock No. _____

(G) Final Shut-in Pressure 1152.4 PSI Initial Opening 30 Final Flow 30

(H) Final Hydrostatic Mud 2202.5 PSI Initial Shut-in 45 Final Shut-in 90

Our Representative ROD STEINBRINK TOTAL PRICE \$ 550



POINT This is an actual photograph of recorder chart PRESSURE

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2223	2225.3
(B) FIRST INITIAL FLOW PRESSURE	52	55.3
(C) FIRST FINAL FLOW PRESSURE	52	55.3
(D) INITIAL CLOSED-IN PRESSURE	1261	1264.4
(E) SECOND INITIAL FLOW PRESSURE	62	64.3
(F) SECOND FINAL FLOW PRESSURE	62	64.3
(G) FINAL CLOSED-IN PRESSURE	1150	1152.4
(H) FINAL HYDROSTATIC MUD	2193	2202.5