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TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

API#15-187-20707

CONFIDENTIAL

Well Name R & L FARMS #1-28 Est. No. 1 Date 11/30/93
Company HARRIS OIL & GAS Zone ST LOUIS
Address 410 17th ST #2310 DENVER CO Elevation 3196 KB
Co. Rep./Geo. HAROLD FRAULI Cont. TRANS PACK RIG #2 Est. Ft. of Pay _____
Location: Sec. 28 Twp. 29S Rge. 39W Co. STANTON State KS

Interval Tested 5660-5715 Drill Pipe Size 4.5" XH
Anchor Length 55 Wt. Pipe I.D. - 2.7 Ft. Run _____
Top Packer Depth 5655-5660 Drill Collar - 2.25 Ft. Run 615
Bottom Packer Depth 5715 Mud Wt. 9.1 lb/Gal.
Total Depth 5800 Viscosity 55 Filtrate 8.8

Tool Open @ _____ Initial Blow HIT BRIDGE AT 3490'-OUT OF HOLE-MISRUN

Final Blow _____

RELEASED

MAY 24 1995

Flush Tool? NO

FEB 9

CONFIDENTIAL

Rec. _____ Feet of _____
Rec. _____ Feet of _____
Rec. _____ Feet of _____
Rec. _____ Feet of _____
Rec. _____ Feet of _____

FROM CONFIDENTIAL

BHT 103 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 1200 ppm System

(A) Initial Hydrostatic Mud 1689.1 PSI AK1 Recorder No. 13308 Range 4700

(B) First Initial Flow Pressure _____ PSI @ (depth) 5664 w / Clock No. 17652

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

(D) Initial Shut-in Pressure _____ PSI @ (depth) 5705 w / Clock No. 27566

(E) Second Initial Flow Pressure _____ PSI AK1 Recorder No. 2023 Range 4000

(F) Second Final Flow Pressure _____ PSI @ (depth) 5755 w / Clock No. 7452

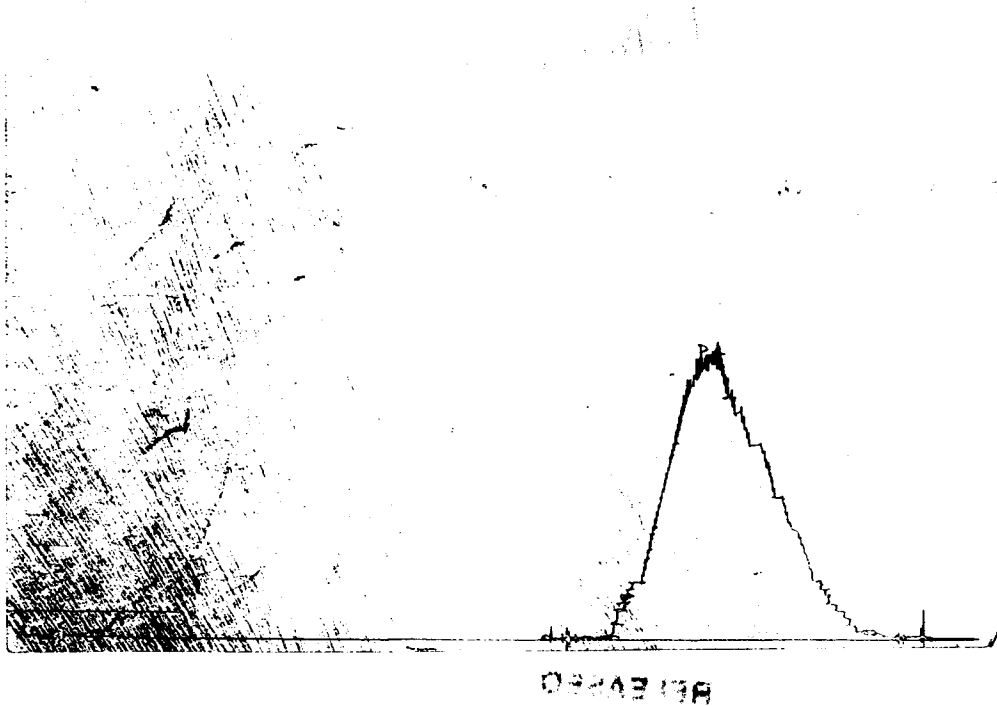
(G) Final Shut-in Pressure _____ PSI Initial Opening _____ Final Flow _____

(H) Final Hydrostatic Mud 1689.1 PSI Initial Shut-in _____ Final Shut-in _____

Our Representative MARK HERSKOWITZ

CHART PAGE

Dot 1.
11057



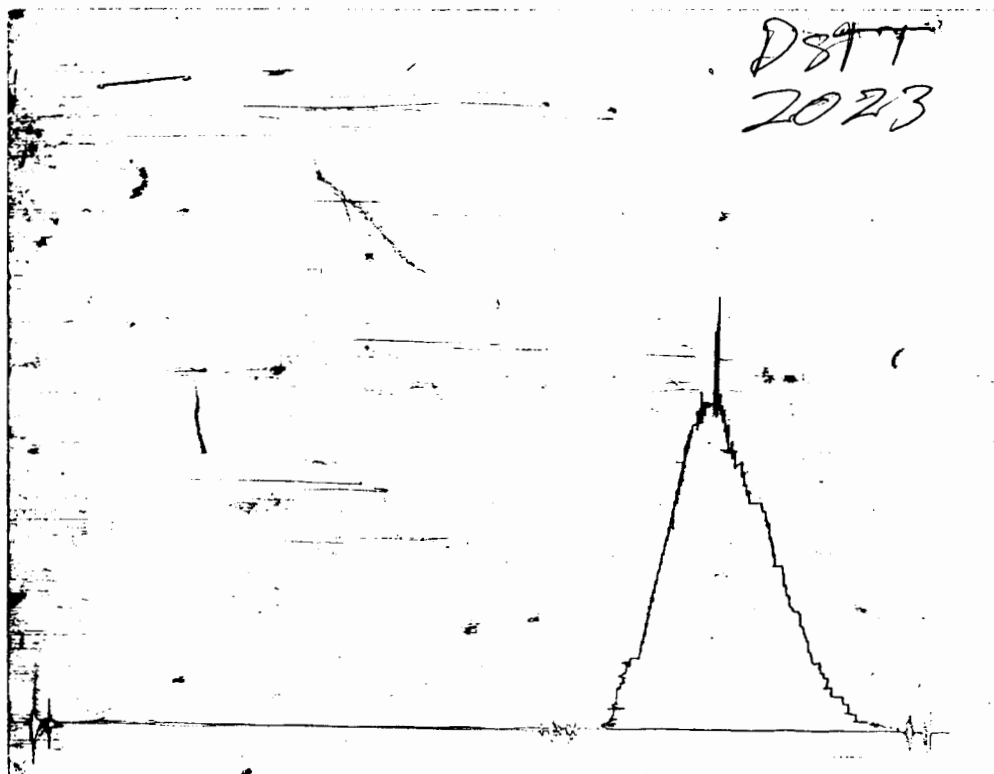
This is an actual photograph of recorder chart

FROM CONDUCTOR

FIELD
READING

OFFICE
READING

(A) INITIAL HYDROSTATIC MUD	1688	1689.1
(B) FIRST INITIAL FLOW PRESSURE		
(C) FIRST FINAL FLOW PRESSURE		
(D) INITIAL CLOSED-IN PRESSURE		
(E) SECOND INITIAL FLOW PRESSURE		
(F) SECOND FINAL FLOW PRESSURE		
(G) FINAL CLOSED-IN PRESSURE		
(H) FINAL HYDROSTATIC MUD	1688	1689.1



CONFIDENTIAL

This is an actual photograph of recorder chart

FIELD
READING

OFFICE
READING

- (A) INITIAL HYDROSTATIC MUD
- (B) FIRST INITIAL FLOW PRESSURE
- (C) FIRST FINAL FLOW PRESSURE
- (D) INITIAL CLOSED-IN PRESSURE
- (E) SECOND INITIAL FLOW PRESSURE
- (F) SECOND FINAL FLOW PRESSURE
- (G) FINAL CLOSED-IN PRESSURE
- (H) FINAL HYDROSTATIC MUD

RELEASED

MAY 24 1995

FROM CONFIDENTIAL

FROM CONFIDENTIAL
MAY 3 4 1978
RECEIVED

TRILOBITE TESTING, L.L.C. CONFIDENTIAL

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name R & L FARMS #1-28 Test No. 2 Date 11/30/93
Company HARRIS OIL & GAS Zone ST LOUIS
Address 410 17th ST #2310 DENVER CO Elevation 3196 KB
Co. Rep./Geo. HAROLD FRAULI Cont. TRANS PACK RIG #2 Est. Ft. of Pay _____
Location: Sec. 28 Twp. 39S Rge. 29W Co. STANTON State KS

Interval Tested 5660-5715 Drill Pipe Size 4.5" XH
Anchor Length 55 Wt. Pipe I.D. - 2.7 Ft. Run _____
Top Packer Depth 5655-5660 Drill Collar - 2.25 Ft. Run 555
Bottom Packer Depth 5715 Mud Wt. _____ 9 lb/Gal.
Total Depth 5800 Viscosity 49 Filtrate 8

Tool Open @ 7:03 PM Initial Blow OFF BOTTOM IN 15 SECONDS-GAS TO SURFACE IN 6 MINUTES
OIL TO SURFACE IN 11 MINUTES

Final Blow _____

Recovery - Total Feet _____ Flush Tool? NO **RELEASED**

Rec. _____ Feet of _____ **MAY 24 1995**
Rec. _____ Feet of _____
Rec. _____ Feet of _____ **FROM CONFIDENTIAL**
Rec. _____ Feet of _____
Rec. _____ Feet of _____

BHT 142 °F Gravity 46 °API @ 80 °F Corrected Gravity 44 °API
RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 1400 ppm System

(A) Initial Hydrostatic Mud 2774.3 PSI AK1 Recorder No. 13308 Range 4700

(B) First Initial Flow Pressure 889.6 PSI @ (depth) 5664 w / Clock No. 17652

(C) First Final Flow Pressure 998.2 PSI AK1 Recorder No. 11057 Range 4500

(D) Initial Shut-in Pressure 1433.5 PSI @ (depth) 5705 w / Clock No. 27566

(E) Second Initial Flow Pressure _____ PSI AK1 Recorder No. 2023 Range 4000

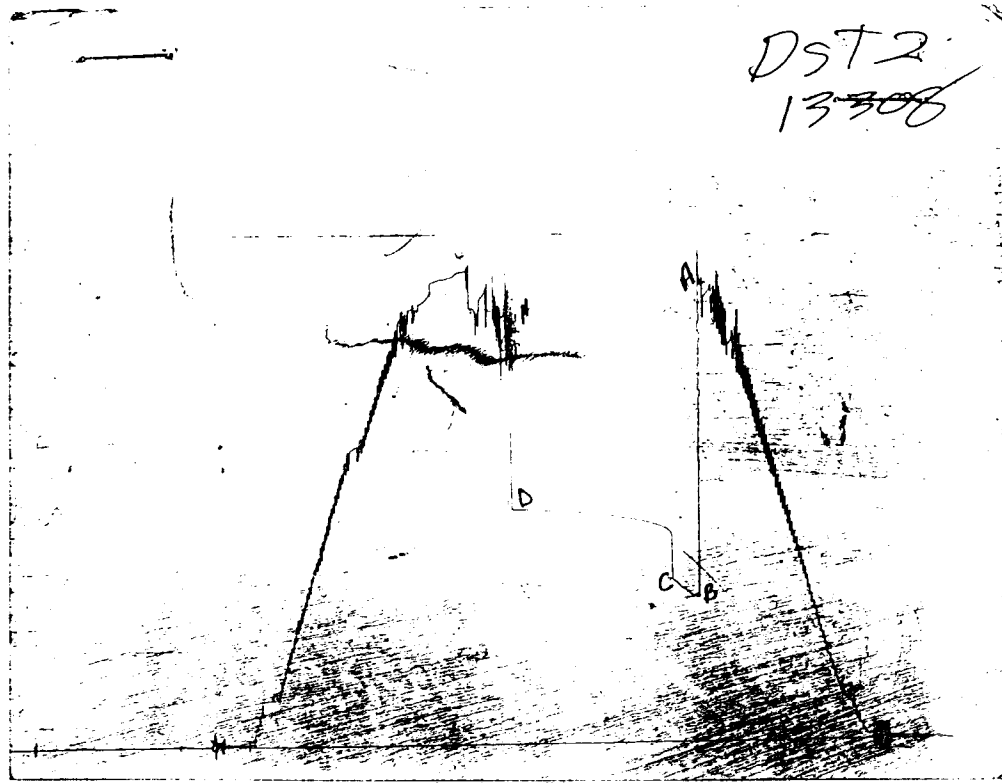
(F) Second Final Flow Pressure _____ PSI @ (depth) 5795 w / Clock No. 7452

(G) Final Shut-in Pressure _____ PSI Initial Opening 20 Final Flow _____

(H) Final Hydrostatic Mud 2755.9 PSI Initial Shut-in 120 Final Shut-in _____

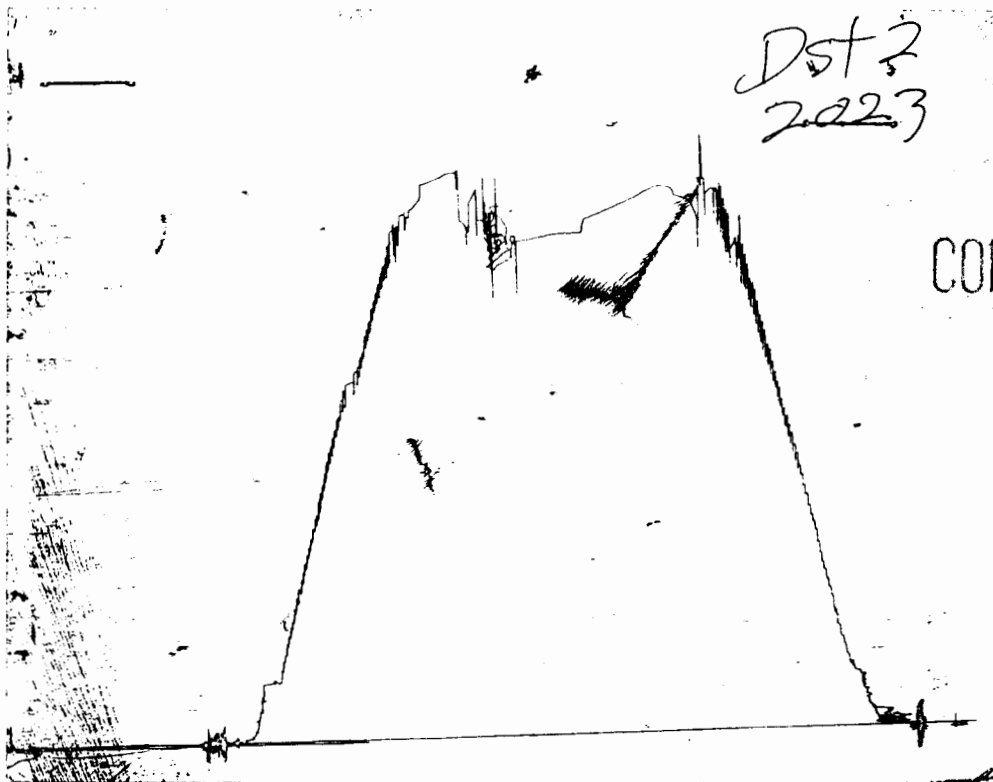
Our Representative MARK HERSKOWITZ

CHART PAGE



This is an actual photograph of recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2768	2774.3
(B) FIRST INITIAL FLOW PRESSURE	888	889.6
(C) FIRST FINAL FLOW PRESSURE	994	998.2
(D) INITIAL CLOSED-IN PRESSURE	1429	1433.5
(E) SECOND INITIAL FLOW PRESSURE		
(F) SECOND FINAL FLOW PRESSURE		
(G) FINAL CLOSED-IN PRESSURE		
(H) FINAL HYDROSTATIC MUD	2744	2755.9



CONFIDENTIAL

This is an actual photograph of recorder chart

FIELD
READING

OFFICE
READING

- (A) INITIAL HYDROSTATIC MUD
- (B) FIRST INITIAL FLOW PRESSURE
- (C) FIRST FINAL FLOW PRESSURE
- (D) INITIAL CLOSED-IN PRESSURE
- (E) SECOND INITIAL FLOW PRESSURE
- (F) SECOND FINAL FLOW PRESSURE
- (G) FINAL CLOSED-IN PRESSURE
- (H) FINAL HYDROSTATIC MUD

RELEASED

MAY 24 1995

FROM CONFIDENTIAL

GAS VOLUME REPORT

HARRIS OIL & GAS

R & L FARMS #1-28

DST # 2

MIN	PSIG	ORIFICE	MCF/D	MIN	PSIG	ORIFICE	MCF/D
OFF BOTTOM IN 15 SECONDS							
5	2	1	195				
10	6	1	353				

RECEIVED
MAY 3 4 1961
FROM COMPANY

Remarks: OIL TO SURFACE IN 11 MINUTES/ GAS TO SURFACE IN 6 MINUTES