

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name BRINEY #5 Test No. 1 Date 7/28/94
Company DON KARST WELL SERVICE Zone MARMATON
Address 615W. WICHITA AVE. RUSSELL, 67665 Elevation _____
Co. Rep./Geo. GATOR Cont. EMPHASIS RIG 8 Est. Ft. of Pay _____
Location: Sec. 31 Twp. 5 Rge. 36W Co. RAWLINS State KS

Interval Tested 4615-4664 Drill Pipe Size 4.5" XH
Anchor Length 49 Wt. Pipe I.D. - 2.7 Ft. Run _____
Top Packer Depth 4610-4615 Drill Collar - 2.25 Ft. Run 242
Bottom Packer Depth 4664 Mud Wt. 9.4 lb/Gal.
Total Depth 4762 Viscosity 47 Filtrate 9.6

Tool Open @ 1:15 A.M. Initial Blow WEAK SURFACE TO 9" IN 45 MIN-NO BLOW ON FIRST SHUT-IN

Final Blow WEAK SURFACE TO 7" IN 45 MIN-NO BLOW ON SHUT

Recovery - Total Feet 90 Flush Tool? _____

Rec. 282 Feet of GAS IN PIPE
Rec. 90 Feet of OIL CUT MUD 3%OIL/97%MUD
Rec. _____ Feet of _____
Rec. _____ Feet of _____
Rec. _____ Feet of _____

BHT 125 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 500 ppm System

(A) Initial Hydrostatic Mud 2288.1 PSI AK1 Recorder No. 11057 Range 4500

(B) First Initial Flow Pressure 43.3 PSI @ (depth) 4625 w / Clock No. 21048

(C) First Final Flow Pressure 61.1 PSI AK1 Recorder No. 11058 Range 4500

(D) Initial Shut-in Pressure 88.8 PSI @ (depth) 4654 w / Clock No. 25108

(E) Second Initial Flow Pressure 72.2 PSI AK1 Recorder No. 2023 Range 4000

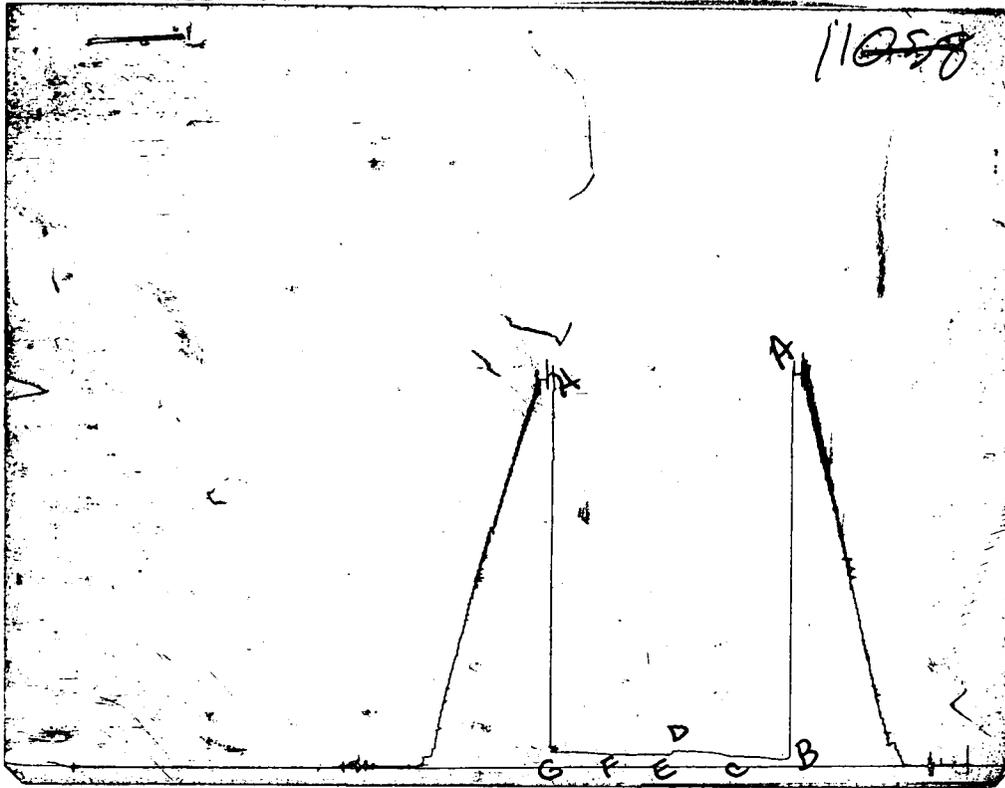
(F) Second Final Flow Pressure 73.3 PSI @ (depth) 4737 w / Clock No. 7452

(G) Final Shut-in Pressure 86.6 PSI Initial Opening 45 Final Flow 45

(H) Final Hydrostatic Mud 2193.9 PSI Initial Shut-in 45 Final Shut-in 45

Our Representative MARK HERSKOWITZ

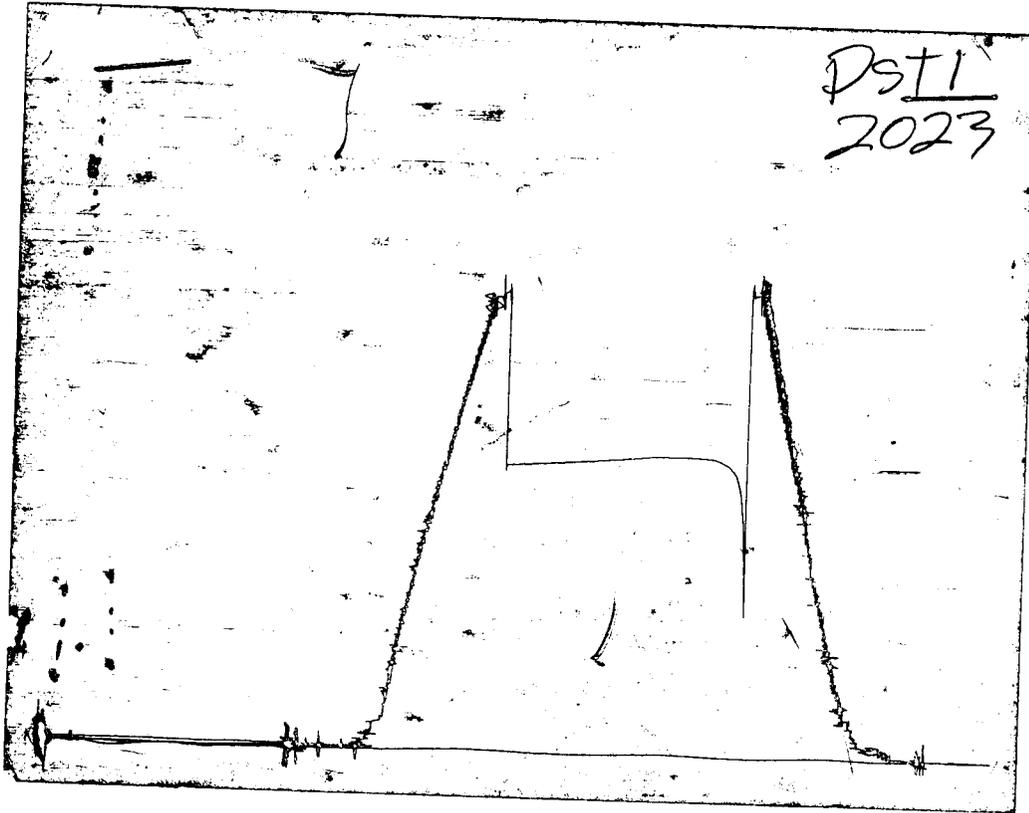
CHART PAGE



	FIELD READING	OFFICE READING
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(A) INITIAL HYDROSTATIC MUD	2309	2288.1
(B) FIRST INITIAL FLOW PRESSURE	33	43.3
(C) FIRST FINAL FLOW PRESSURE	44	61.1
(D) INITIAL CLOSED-IN PRESSURE	78	88.8
(E) SECOND INITIAL FLOW PRESSURE	44	72.2
(F) SECOND FINAL FLOW PRESSURE	56	73.3
(G) FINAL CLOSED-IN PRESSURE	78	86.6
(H) FINAL HYDROSTATIC MUD	2276	2193.9

CHART PAGE



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

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Drill-Stem Test Data

Well Name BRINEY #5 Test No. 2 Date 7/28/94
Company DON KARST WELL SERVICE Zone PAWNEE
Address 615W. WICHITA AVE. RUSSELL, 67665 Elevation _____
Co. Rep./Geo. GATOR Cont. EMPHASIS RIG 8 Est. Ft. of Pay _____
Location: Sec. 31 Twp. 5 Rge. 36W Co. RAWLINS State KS

Interval Tested 4665-4710 Drill Pipe Size 4.5" XH
Anchor Length 45 Wt. Pipe I.D. - 2.7 Ft. Run _____
Top Packer Depth 4660-4665 Drill Collar - 2.25 Ft. Run 242
Bottom Packer Depth 4710 Mud Wt. 9.4 lb/Gal.
Total Depth 4762 Viscosity 47 Filtrate 9.6

Tool Open @ 8:37 A.M. ^{Initial} Blow WEAK SURFACE TO NO BLOW IN 11 MIN

Final Blow NO FINAL SHUT-IN

Recovery - Total Feet 10 Flush Tool? _____

Rec. 10 Feet of SLIGHTLY OIL STAINED MUD 100% MUD
Rec. _____ Feet of _____
Rec. _____ Feet of _____
Rec. _____ Feet of _____
Rec. _____ Feet of _____

BHT 124 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 500 ppm System

(A) Initial Hydrostatic Mud 2278.0 PSI AK1 Recorder No. 11057 Range 4500

(B) First Initial Flow Pressure 25.5 PSI @ (depth) 4670 w / Clock No. 21048

(C) First Final Flow Pressure 25.5 PSI AK1 Recorder No. 11058 Range 4500

(D) Initial Shut-in Pressure 25.5 PSI @ (depth) 4700 w / Clock No. 25108

(E) Second Initial Flow Pressure 0.0 PSI AK1 Recorder No. 2023 Range 4000

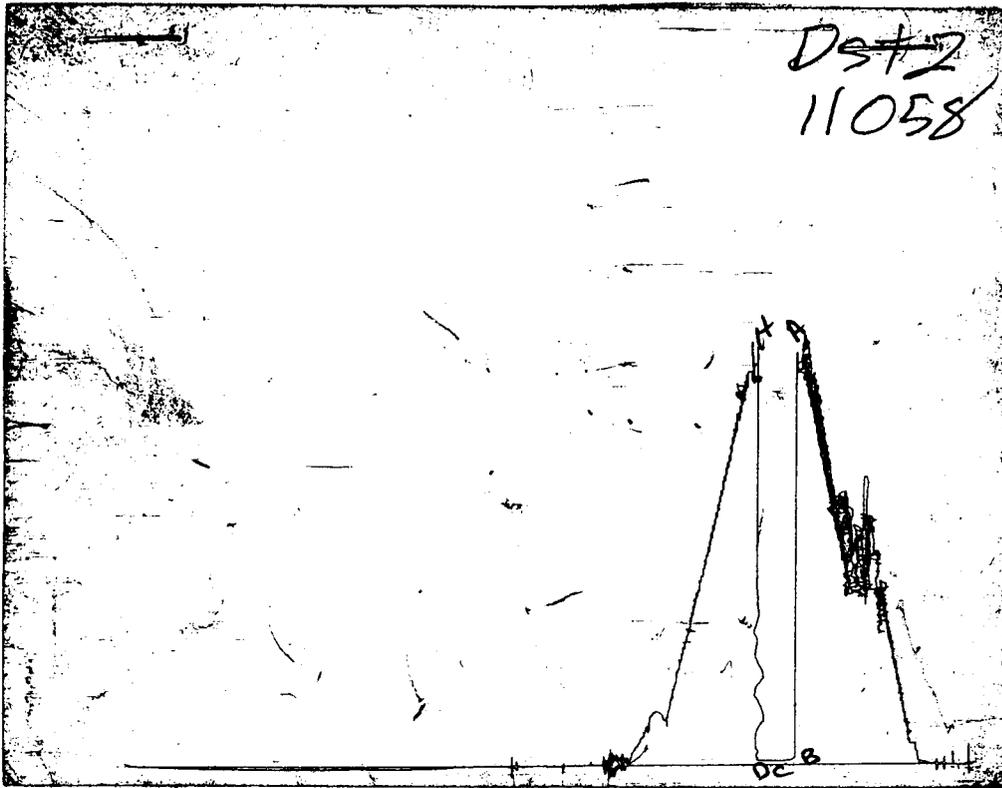
(F) Second Final Flow Pressure 0.0 PSI @ (depth) 4757 w / Clock No. 7452

(G) Final Shut-in Pressure 0.0 PSI Initial Opening 15 Final Flow 0

(H) Final Hydrostatic Mud 2228.6 PSI Initial Shut-in 15 Final Shut-in 0

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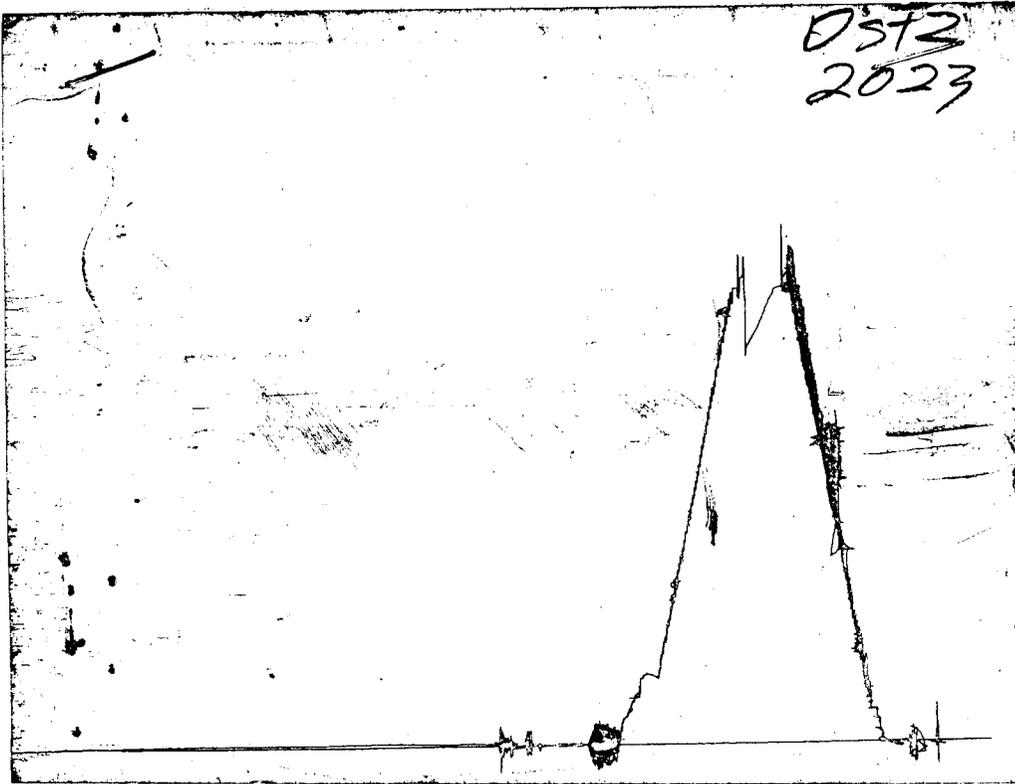
CHART PAGE



	FIELD READING	OFFICE READING
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(A) INITIAL HYDROSTATIC MUD	2311	2278
(B) FIRST INITIAL FLOW PRESSURE	22	25.5
(C) FIRST FINAL FLOW PRESSURE	22	25.5
(D) INITIAL CLOSED-IN PRESSURE	22	25.5
(E) SECOND INITIAL FLOW PRESSURE	0	0
(F) SECOND FINAL FLOW PRESSURE	0	0
(G) FINAL CLOSED-IN PRESSURE	0	0
(H) FINAL HYDROSTATIC MUD	2278	2228.6

CHART PAGE



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