

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name RHODES #1 Test No. 1 Date 7/30/94
Company CHARTER PRODUCTION COMPANY Zone COUNCIL GROV
Address 142 NORTH MOSLEY WICHITA KS 67202 Elevation 3407
Co. Rep./Geo. TYLER SANDERS Cont. BEREXCO RIG #2 Est. Ft. of Pay _____
Location: Sec. 35 Twp. 34S Rge. 28W Co. MEADE State KS

Interval Tested 3016-3120
Anchor Length 104
Top Packer Depth 3011
Bottom Packer Depth 3016
Total Depth 3120

Drill Pipe Size 4.5" XH
Wt. Pipe I.D. - 2.7 Ft. Run _____
Drill Collar - 2.25 Ft. Run 522
Mud Wt. 8.5 lb/Gal.
Viscosity 49 Filtrate 8.8

Tool Open @ 2:20 A.M. Initial Blow WEAK SURFACE TO 8 1/2" IN 30 MIN

Final Blow WEAK SURFACE TO 4" IN 30 MIN-NO BLOW ON SHUT-IN

Recovery - Total Feet 180 Flush Tool? NO

Rec. 90 Feet of GAS IN PIPE
Rec. 180 Feet of WATERY MUD 20% WATER/80% MUD
Rec. _____ Feet of _____
Rec. _____ Feet of _____
Rec. _____ Feet of _____

BHT 101 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
RW 0.35 @ 70 °F Chlorides 18000 ppm Recovery Chlorides 3500 ppm System

(A) Initial Hydrostatic Mud 1452.5 PSI AK1 Recorder No. 11057 Range 4500

(B) First Initial Flow Pressure 61.6 PSI @ (depth) 3115 w / Clock No. 21048

(C) First Final Flow Pressure 92.0 PSI AK1 Recorder No. 2023 Range 4000

(D) Initial Shut-in Pressure 719.4 PSI @ (depth) 3022 w / Clock No. 25108

(E) Second Initial Flow Pressure 124.3 PSI AK1 Recorder No. _____ Range _____

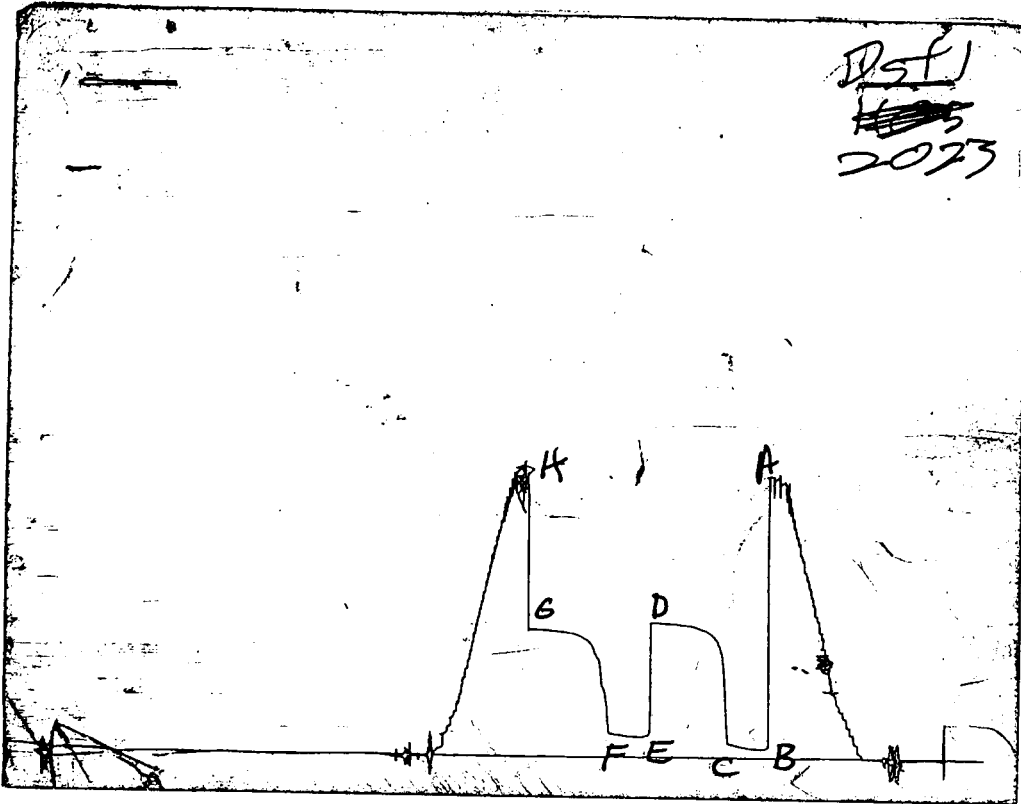
(F) Second Final Flow Pressure 143.5 PSI @ (depth) _____ w / Clock No. _____

(G) Final Shut-in Pressure 678.7 PSI Initial Opening 30 Final Flow 30

(H) Final Hydrostatic Mud 1444.6 PSI Initial Shut-in 60 Final Shut-in 60

Our Representative MARK HERKOWITZ

CHART PAGE



This is an actual photograph of recorder chart 2023

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	1460	1452.5
(B) FIRST INITIAL FLOW PRESSURE	33	61.6
(C) FIRST FINAL FLOW PRESSURE	66	92
(D) INITIAL CLOSED-IN PRESSURE	713	719.4
(E) SECOND INITIAL FLOW PRESSURE	109	124.3
(F) SECOND FINAL FLOW PRESSURE	120	143.5
(G) FINAL CLOSED-IN PRESSURE	665	678.7
(H) FINAL HYDROSTATIC MUD	1440	1444.6

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Drill-Stem Test Data

Well Name RHODES #1 Test No. 2 Date 7/31/94
Company CHARTER PRODUCTION COMPANY Zone COUNCIL GROV
Address 142 NORTH MOSLEY WICHITA KS 67202 Elevation 3407
Co. Rep./Geo. TYLER SANDERS Cont. BEREXCO RIG #2 Est. Ft. of Pay _____
Location: Sec. 35 Twp. 34S Rge. 28W Co. MEADE State KS

Interval Tested 3277-3306 Drill Pipe Size 4.5" XH
Anchor Length 29 Wt. Pipe I.D. - 2.7 Ft. Run _____
Top Packer Depth 3272 Drill Collar - 2.25 Ft. Run 609
Bottom Packer Depth 3277 Mud Wt. 8.9 lb/Gal.
Total Depth 3306 Viscosity 48 Filtrate 12.0

Tool Open @ 10:13 P.M. ^{Initial Blow} WEAK SURFACE TO NO BLOW IN 2 MIN

Final Blow NO BLOW

Recovery - Total Feet 10 Flush Tool? NO

Rec. 10 Feet of MUD 100%MUD
Rec. _____ Feet of _____
Rec. _____ Feet of _____
Rec. _____ Feet of _____
Rec. _____ Feet of _____

BHT 103 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 12000 ppm System

(A) Initial Hydrostatic Mud 1573.0 PSI AK1 Recorder No. 11057 Range 4500

(B) First Initial Flow Pressure 70.3 PSI @ (depth) 3280 w / Clock No. 21048

(C) First Final Flow Pressure 70.3 PSI AK1 Recorder No. 2023 Range 4000

(D) Initial Shut-in Pressure 74.7 PSI @ (depth) 3301 w / Clock No. 25108

(E) Second Initial Flow Pressure 70.3 PSI AK1 Recorder No. _____ Range _____

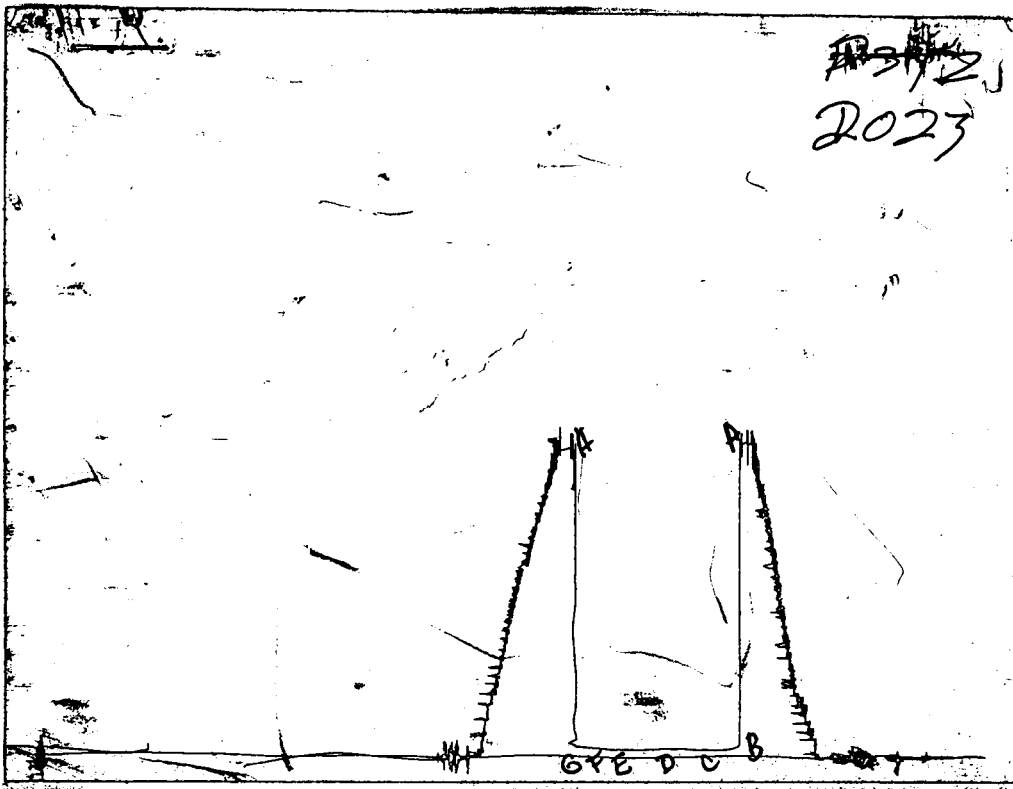
(F) Second Final Flow Pressure 70.3 PSI @ (depth) _____ w / Clock No. _____

(G) Final Shut-in Pressure 74.7 PSI Initial Opening 30 Final Flow 30

(H) Final Hydrostatic Mud 1543.3 PSI Initial Shut-in 30 Final Shut-in 30

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CHART PAGE



This is an actual photograph of recorder chart 2023

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	1578	1573
(B) FIRST INITIAL FLOW PRESSURE	22	70.3
(C) FIRST FINAL FLOW PRESSURE	22	70.3
(D) INITIAL CLOSED-IN PRESSURE	33	74.7
(E) SECOND INITIAL FLOW PRESSURE	22	70.3
(F) SECOND FINAL FLOW PRESSURE	22	70.3
(G) FINAL CLOSED-IN PRESSURE	33	74.7
(H) FINAL HYDROSTATIC MUD	1544	1543.3