

TRILOBITE TESTING COMPANY

P.O. Box 362 • Hays, Kansas 67601

COPY

26-14-28W

Computer inventoried

15-063-21410

Drill-Stem Test Data

Well Name H-C #2 Test No. 1 Date 9-30-91
Company CASTLE RESOURCES Zone Tested J
Address BANK IV SUITE 3 HAYS KS Elevation 2560 GL
Co. Rep./Geo. MR JERRY GREEN Cont. EMPHASIS #8 Est. Ft. of Pay _____
Location: Sec. 26 Twp. 14S Rge. 28W Co. GOVE State KS

Interval Tested 3911-3940
Anchor Length 29
Top Packer Depth 3906
Bottom Packer Depth 3911
Total Depth 3940

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

Mud Wt. 9.1 lb / gal. Viscosity 46 Filtrate 10.6

Tool Open @ 1:35 PM Initial Blow TOOL SLID 12' TO BOTTOM
RECEIVED A VERY WEAK & DECREASING BLOW FOR 25 MINUTES
Final Blow OPEN TOOL - NO BLOW - FLUSHED TOOL 3 TIMES IN 15 MINUTE
RECEIVED A WEAK BLOW BUILT TO BOTTOM OF BUCKET IN 60 MINUTES

Recovery — Total Feet 140 Flush Tool? YES

Rec. 140 Feet of OIL CUT MUD 10%OIL/90%MUD

Rec. _____ Feet of _____

Rec. _____ Feet of _____

Rec. _____ Feet of _____

Rec. _____ Feet of _____

BHT 121 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API

RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 3400 ppm System

(A) Initial Hydrostatic Mud 1856.4 PSI Ak1 Recorder No. 13851 Range 4425

(B) First Initial Flow Pressure 86.1 PSI @ (depth) 3916 w/Clock No. 27585

(C) First Final Flow Pressure 284.7 PSI Ak1 Recorder No. 13850 Range 4325

(D) Initial Shut-In Pressure 284.7 PSI @ (depth) 3940 w/Clock No. 25813

(E) Second Initial Flow Pressure 146.6 PSI Ak1 Recorder No. _____ Range _____

(F) Second Final Flow Pressure 89.5 PSI @ (depth) _____ w/Clock No. _____

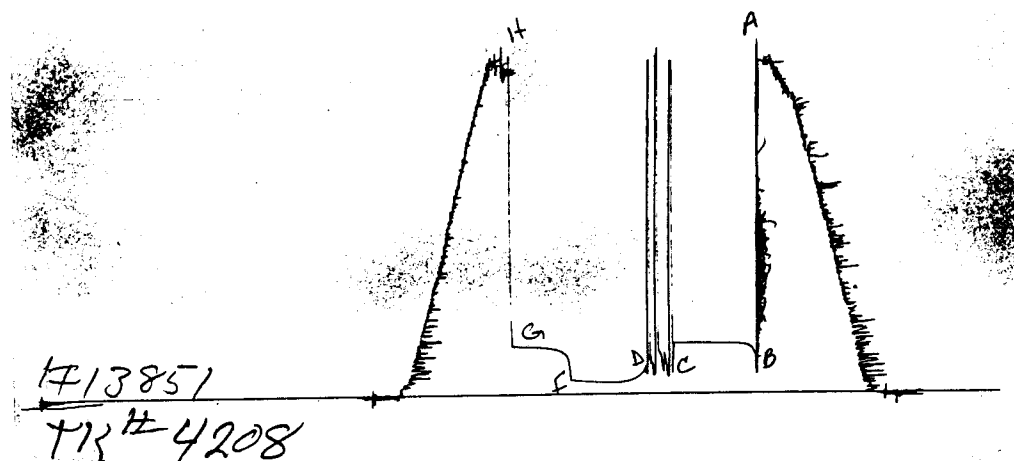
(G) Final Shut-In Pressure 276.4 PSI Initial Opening 30 Final Flow 80

(H) Final Hydrostatic Mud 1853.6 PSI Initial Shut-in 30 Final Shut-in 45

Our Representative HARRY SCHMIDT

TOTAL PRICE \$ 550

COPY



POINT This is an actual photograph of recorder chart PRESSURE

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	1851	1856.4
(B) FIRST INITIAL FLOW PRESSURE	88	86.1
(C) FIRST FINAL FLOW PRESSURE	288	284.7
(D) INITIAL CLOSED-IN PRESSURE	288	284.7
(E) SECOND INITIAL FLOW PRESSURE	144	146.6
(F) SECOND FINAL FLOW PRESSURE	88	89.5
(G) FINAL CLOSED-IN PRESSURE	277	276.4
(H) FINAL HYDROSTATIC MUD	1851	1853.6

RECEIVED
STATE CORPORATION COMMISSION

APR 01 1992

CONSERVATION DIVISION
Wichita, Kansas

TRILOBITE TESTING COMPANY

P.O. Box 362 • Hays, Kansas 67601

COPY

Drill-Stem Test Data

Well Name H-C #2 Test No. 2 Date 10-1-91
Company CASTLE RESOURCES Zone Tested K
Address BANK IV SUITE 3 HAYS KS Elevation 2560 GL
Co. Rep./Geo. MR JERRY GREEN Cont. EMPHASIS #8 Est. Ft. of Pay _____
Location: Sec. 26 Twp. 14S Rge. 28W Co. GOVE State KS

Interval Tested 3942-3982
Anchor Length 40
Top Packer Depth 3937
Bottom Packer Depth 3942
Total Depth 3982

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

Mud Wt. 9.1 lb / gal. Viscosity 46 Filtrate 10.6

Tool Open @ 5:10 AM Initial Blow FAIR BLOW - BOTTOM OF BUCKET IN 25 MINUTES
TOOL SLID 3' ON INITIAL
Final Blow SAME AS INITIAL

Recovery — Total Feet 390

Flush Tool? NO

Rec. 390 Feet of WATER WITH OIL SPOTS

Rec. _____ Feet of _____

Rec. _____ Feet of _____

Rec. _____ Feet of _____

Rec. _____ Feet of _____

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

RW 0.4 @ 60 °F Chlorides 19500 ppm Recovery Chlorides 3400 ppm System

(A) Initial Hydrostatic Mud 1899.4 PSI AK1 Recorder No. 13851 Range 4425

(B) First Initial Flow Pressure 46.8 PSI @ (depth) 3947 w/Clock No. 27585

(C) First Final Flow Pressure 116.1 PSI AK1 Recorder No. 13850 Range 4325

(D) Initial Shut-in Pressure 795.8 PSI @ (depth) 3982 w/Clock No. 25813

(E) Second Initial Flow Pressure 148.2 PSI AK1 Recorder No. _____ Range _____

(F) Second Final Flow Pressure 206.3 PSI @ (depth) _____ w/Clock No. _____

(G) Final Shut-in Pressure 762.9 PSI Initial Opening 45 Final Flow 45

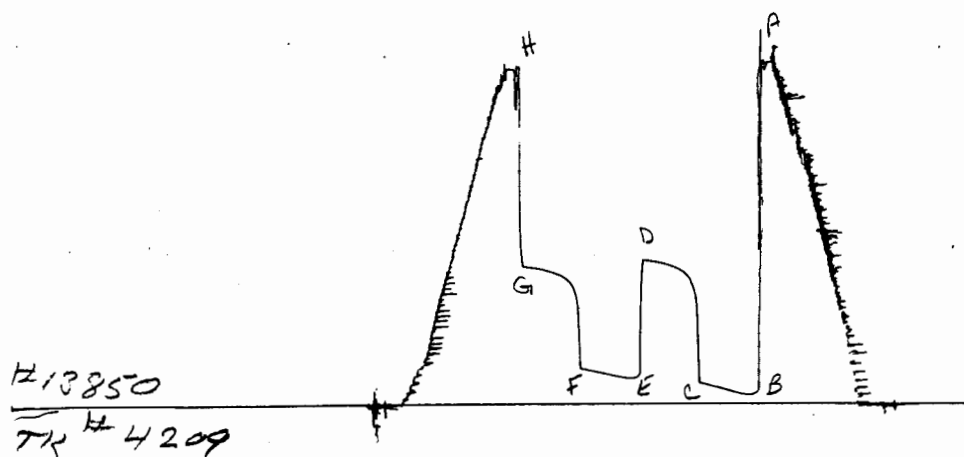
(H) Final Hydrostatic Mud 1893.7 PSI Initial Shut-in 45 Final Shut-in 45

Our Representative HARRY SCHMIDT

TOTAL PRICE \$ 550

RECEIVED
STATE CORPORATION COMMISSION
APR 01 1992
CONSERVATION DIVISION
Wichita, Kansas

COPY



POINT This is an actual photograph of recorder chart
PRESSURE

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	1896	1899.4
(B) FIRST INITIAL FLOW PRESSURE	44	46.8
(C) FIRST FINAL FLOW PRESSURE	111	116.1
(D) INITIAL CLOSED-IN PRESSURE	794	795.8
(E) SECOND INITIAL FLOW PRESSURE	144	148.2
(F) SECOND FINAL FLOW PRESSURE	200	206.3
(G) FINAL CLOSED-IN PRESSURE	762	762.9
(H) FINAL HYDROSTATIC MUD	1890	1893.7

RECEIVED
STATE CORPORATION COMMISSION

APR 0 1 1992

CONSERVATION DIVISION
Wichita, Kansas