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TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name GARVEY RANCH #1 Test No. 1 Date 10/23/94

Company BRADEN-DEEM, INC. Zone LANSING 'J'

Address 8100 E. 22ND.ST.N.1800-WICHITA,KS. 67226 Elevation 2423

Co. Rep./Geo. JOHN ROSE Cont. L.D. DAVIS Est. Ft. of Pay

Location: Sec. 11 Twp. 15S Rge. 27W Co. GOVE State KS

Interval Tested 3865-3910 Drill Pipe Size 4.5" XH

Anchor Length 45 Wt. Pipe I.D. - 2.7 Ft. Run

Top Packer Depth 3860 Drill Collar – 2.25 Ft. Run

Bottom Packer Depth 3865 Mud Wt. 9.3 lb/Gal.

Total Depth 3910 Viscosity 59 Filtrate 10.0

Tool Open @ 2:25 P.M Initial Blow WEAK SURFACE BLOW DIED IN 17 MIN

Final Blow NO RETURN BLOW

Recovery - Total Feet 5 Flush Tool? NO

Rec. 5 Feet of DRILLING MUD

Rec. Feet of

Rec. Feet of

Rec. Feet of

Rec. Feet of

BHT 112 °F Gravity °API @ °F Corrected Gravity °API

RW @ °F Chlorides ppm Recovery Chlorides 3000 ppm System

(A) Initial Hydrostatic Mud 1886.7 PSI AK1 Recorder No. 13309 Range 4700

(B) First Initial Flow Pressure 17.6 PSI @ (depth) 3900 w / Clock No. 23832

(C) First Final Flow Pressure 17.6 PSI AK1 Recorder No. 13339 Range 4000

(D) Initial Shut-in Pressure 67.2 PSI @ (depth) 3905 w / Clock No. 23934

(E) Second Initial Flow Pressure 24.7 PSI AK1 Recorder No. Range

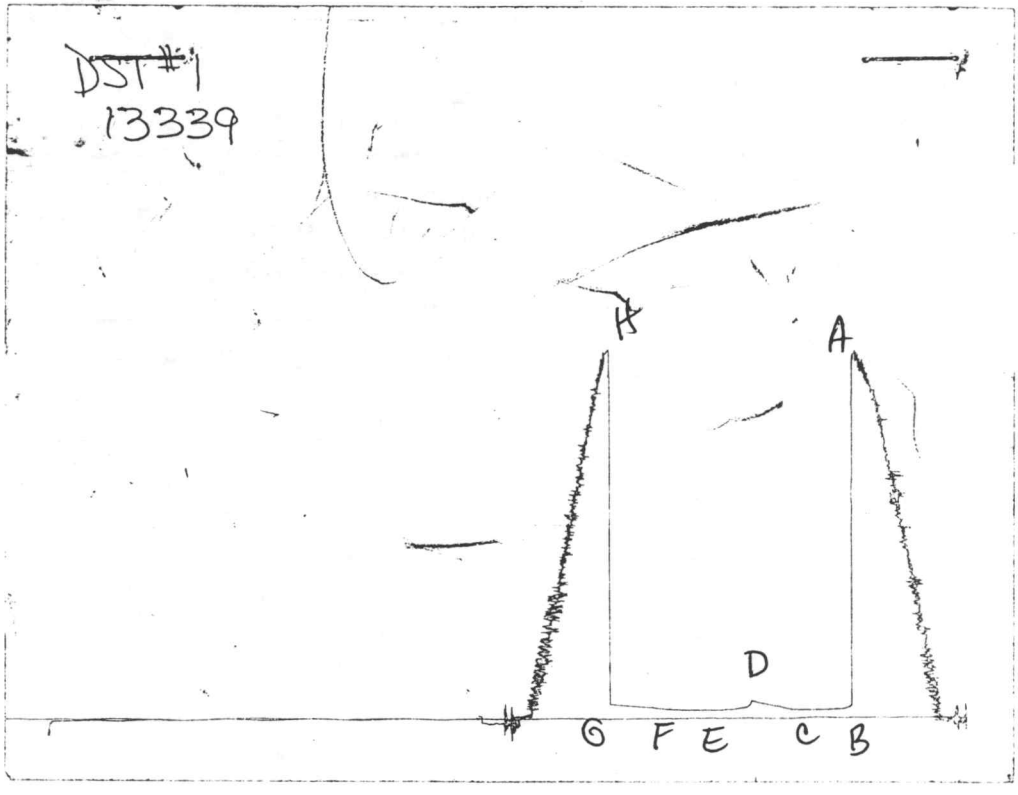
(F) Second Final Flow Pressure 24.7 PSI @ (depth) w / Clock No.

(G) Final Shut-in Pressure 49.5 PSI Initial Opening 30 Final Flow 45

(H) Final Hydrostatic Mud 1859.6 PSI Initial Shut-in 45 Final Shut-in 60

Our Representative ROD STEINBRINK

CHART PAGE



	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	1872	1886.7
(B) FIRST INITIAL FLOW PRESSURE	31	17.6
(C) FIRST FINAL FLOW PRESSURE	31	17.6
(D) INITIAL CLOSED-IN PRESSURE	62	67.2
(E) SECOND INITIAL FLOW PRESSURE	31	24.7
(F) SECOND FINAL FLOW PRESSURE	31	24.7
(G) FINAL CLOSED-IN PRESSURE	41	49.5
(H) FINAL HYDROSTATIC MUD	1862	1859.6

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Drill-Stem Test Data

Well Name GARVEY RANCH #1 Test No. 2 Date 10/25/94

Company BRADEN-DEEM, INC. Zone FT. SCOTT

Address 8100 E. 22ND.ST.N.1800-WICHITA,KS. 67226 Elevation 2423

Co. Rep./Geo. JOHN ROSE Cont. L.D. DAVIS Est. Ft. of Pay

Location: Sec. 11 Twp. 15S Rge. 27W Co. GOVE State KS

Interval Tested 4126-4208 Drill Pipe Size 4.5" XH

Anchor Length 82 Wt. Pipe I.D. - 2.7 Ft. Run

Top Packer Depth 4121 Drill Collar – 2.25 Ft. Run

Bottom Packer Depth 4126 Mud Wt. lb/Gal.

Total Depth 4208 Viscosity Filtrate

Tool Open @ 5:50 A.M. Initial Blow WEAK SURFACE BLOW BUILT TO 1/4"

Final Blow NO RETURN BLOW

Recovery - Total Feet 10 Flush Tool? NO

Rec. 10 Feet of DRILLING MUD

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 ppm System

(A) Initial Hydrostatic Mud 2136.2 PSI AK1 Recorder No. 13339 Range 4025

(B) First Initial Flow Pressure 75.9 PSI @ (depth) 4136 w / Clock No. 23934

(C) First Final Flow Pressure 75.9 PSI AK1 Recorder No. 13309 Range 4700

(D) Initial Shut-in Pressure 253.6 PSI @ (depth) 4203 w / Clock No. 23832

(E) Second Initial Flow Pressure 76.9 PSI AK1 Recorder No. Range

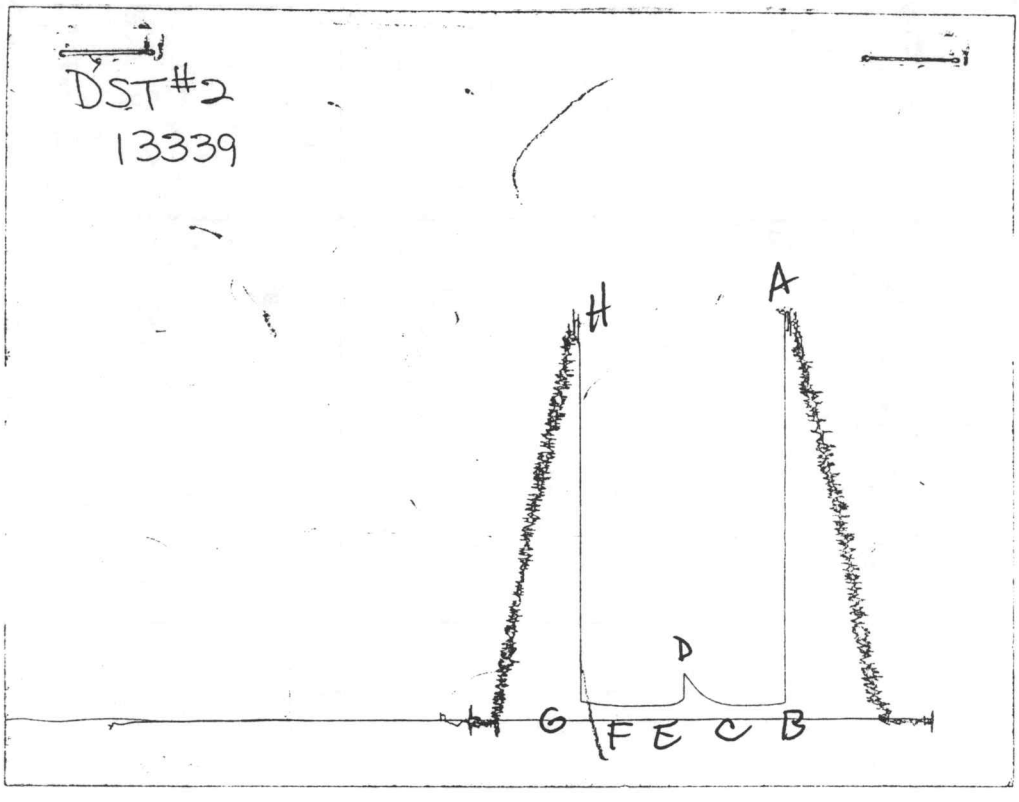
(F) Second Final Flow Pressure 76.9 PSI @ (depth) w / Clock No.

(G) Final Shut-in Pressure 102.9 PSI Initial Opening 30 Final Flow 30

(H) Final Hydrostatic Mud 2110.1 PSI Initial Shut-in 45 Final Shut-in 45

Our Representative ROD STEINBRINK

CHART PAGE



	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2123	2136.2
(B) FIRST INITIAL FLOW PRESSURE	52	75.9
(C) FIRST FINAL FLOW PRESSURE	52	75.9
(D) INITIAL CLOSED-IN PRESSURE	228	253.6
(E) SECOND INITIAL FLOW PRESSURE	52	76.9
(F) SECOND FINAL FLOW PRESSURE	52	76.9
(G) FINAL CLOSED-IN PRESSURE	72	102.9
(H) FINAL HYDROSTATIC MUD	2103	2110.1