# TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

## Drill-Stem Test Data

Well Name MARMIE #1 Test No. 1 Date 7/9/92

Company PROSPECT OIL & GAS COMPANY Zone ARBUCKLE

Address P.O. BOX 837 RUSSELL KS 67665 Elevation 1905

Co. Rep./Geo. BRAD HUTCHISON Cont. ALLEN #3 Est. Ft. of Pay

Location: Sec. 34 Twp. 20S Rge. 14W Co. BARTON State KS

Interval Tested 3497-3563 Drill Pipe Size 4.5" XH

Anchor Length 66 Wt. Pipe I.D. - 2.7 Ft. Run

Top Packer Depth 3492 Drill Collar – 2.25 Ft. Run

Bottom Packer Depth 3497 Mud Wt. 10.1 lb/Gal.

Total Depth 3563' Viscosity 43 Filtrate 13.2

Tool Open @ 12:28 AM Initial Blow 1/2" BLOW BUILDING TO BOTTOM OF BUCKET IN 20 MINUTES (1/8" BLOW BACK ON SHUTIN)

Final Blow 1/2" BLOW BUILDING TO BOTTOM OF BUCKET IN 29 MINUTES NO BLOW BACK ON SHUTIN

Recovery - Total Feet 420 Flush Tool? NO

Rec. 15 Feet of GAS IN PIPE

Rec. 420 Feet of GASSY MUDDY WATER

Rec. Feet of WITH OIL SPOTS THROUGHOUT

Rec. Feet of

Rec. Feet of

BHT 104 °F Gravity °API @ °F Corrected Gravity °API

RW 0.34 @ 80 °F Chlorides 28000 ppm Recovery Chlorides 58000 ppm System

(A) Initial Hydrostatic Mud 1926.3 PSI AK1 Recorder No. 13337 Range 3975

(B) First Initial Flow Pressure 43.5 PSI @ (depth) 3502 w / Clock No. 31154

(C) First Final Flow Pressure 130.9 PSI AK1 Recorder No. 10333 Range 4075

(D) Initial Shut-in Pressure 1059.4 PSI @ (depth) 3562 w / Clock No. 30401

(E) Second Initial Flow Pressure 141.6 PSI AK1 Recorder No. Range

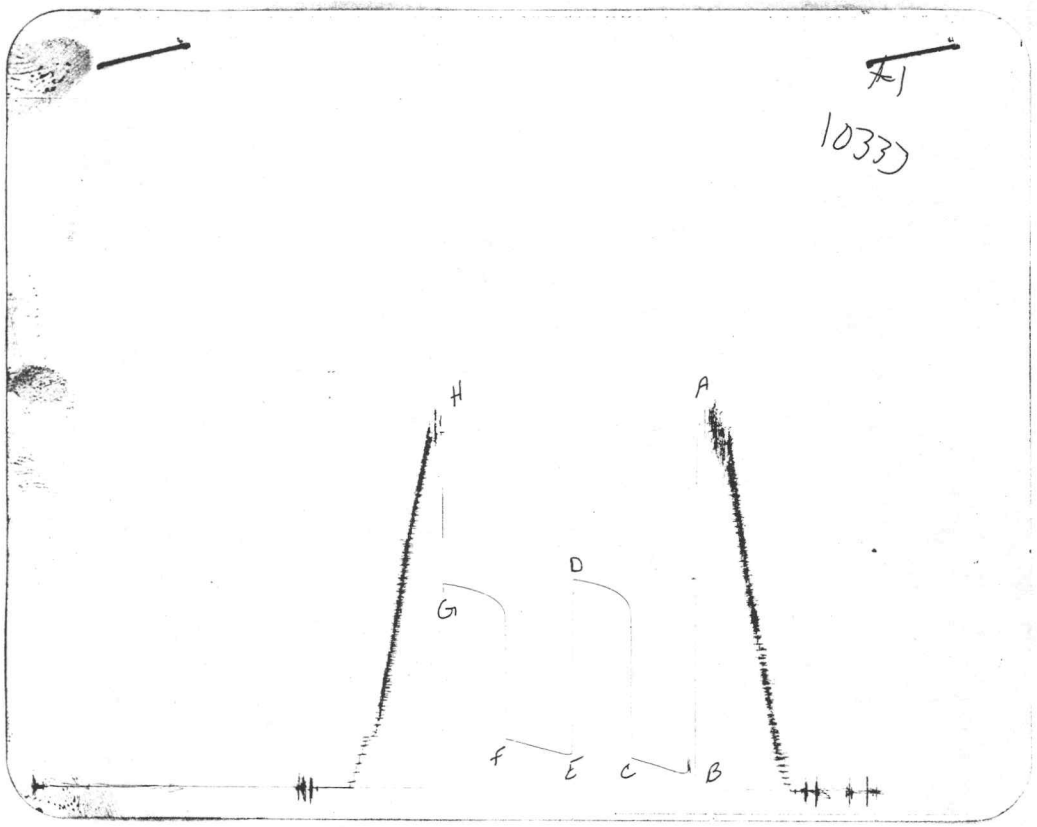
(F) Second Final Flow Pressure 231.9 PSI @ (depth) w / Clock No.

(G) Final Shut-in Pressure 1039.7 PSI Initial Opening 45 Final Flow 45

(H) Final Hydrostatic Mud 1918.7 PSI Initial Shut-in 45 Final Shut-in 45

Our Representative PAUL SIMPSON

## CHART PAGE




This is an actual photograph of recorder chart

| | FIELD READING | OFFICE READING |
|---|---|---|
| (A) INITIAL HYDROSTATIC MUD | 1924 | 1926.3 |
| (B) FIRST INITIAL FLOW PRESSURE | 40 | 43.5 |
| (C) FIRST FINAL FLOW PRESSURE | 128 | 130.9 |
| (D) INITIAL CLOSED-IN PRESSURE | 1055 | 1059.4 |
| (E) SECOND INITIAL FLOW PRESSURE | 138 | 141.6 |
| (F) SECOND FINAL FLOW PRESSURE | 227 | 231.9 |
| (G) FINAL CLOSED-IN PRESSURE | 1035 | 1039.7 |
| (H) FINAL HYDROSTATIC MUD | 1714 | 1918.7 |