

TRILOBITE TESTING COMPANY, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Ps 1511 psi

Drill-Stem Test Data

BOWKER #1-32
Well Name CITIZEN ST. BANK #1-32 Test No. 1 Date 3/7/92
Company HUGOTON ENERGY CORPORATION Zone Tested MORROW
Address 229 E WILLIAM #500 WICHITA KS Elevation 3360 KB
Co. Rep./Geo. KARL OSTERBUHR Cont. TRANS PAC Est. Ft. of Pay 30
Location: Sec. 32 Twp. 32S Rge. 40W Co. MORTON State KS

Interval Tested 5290-5336 Drill Pipe Size 4.5" FH
Anchor Length 46 Wt. Pipe I.D. - 2.7 Ft. Run
Top Packer Depth 5285 Drill Collar - 2.25 Ft. Run 600
Bottom Packer Depth 5290
Total Depth 5336

Mud Wt. 9.1 lb / gal. Viscosity 45 Filtrate 6.0

Tool Open @ 1:25 PM Initial Blow BOTTOM OF BUCKET IN 15 SECONDS
GAS TO SURFACE IN 2 MINUTES
Final Blow GAS TO SURFACE AS SOON AS TOOL OPENED GAUGED @7337 MCF/

Recovery — Total Feet 5 Flush Tool? NO

Rec. 5 Feet of GASSY WATERY MUD-5%GAS/30%WTR/65%MUD

Rec. _____ Feet of _____

Rec. _____ Feet of _____

Rec. _____ Feet of _____

Rec. _____ Feet of _____
BHT 140 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API

RW 0.3 @ 77 °F Chlorides 21000 ppm Recovery Chlorides 800 ppm System

(A) Initial Hydrostatic Mud 2530.6 PSI AK1 Recorder No. 13851 Range 4425

(B) First Initial Flow Pressure 1452.5 PSI @ (depth) 5293 w/Clock No. 27585

(C) First Final Flow Pressure 1471.9 PSI AK1 Recorder No. 13850 Range 4325

(D) Initial Shut-in Pressure N/A PSI @ (depth) 5333 w/Clock No. 25814

(E) Second Initial Flow Pressure 1461.1 PSI AK1 Recorder No. _____ Range _____

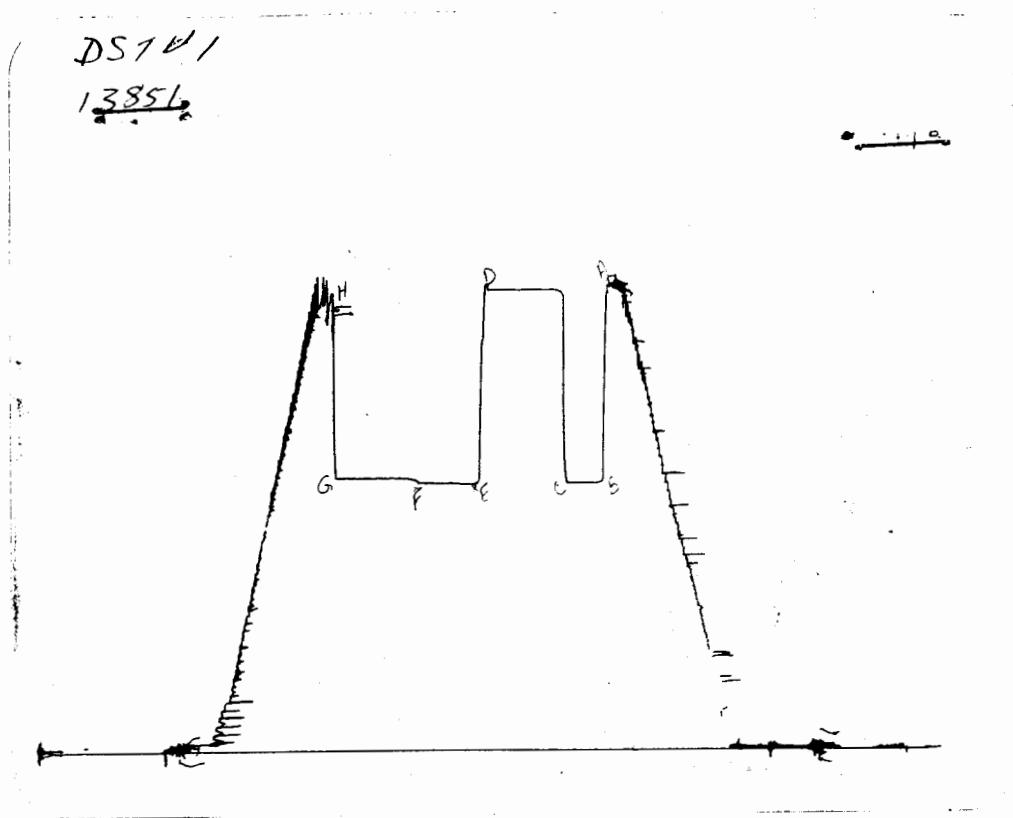
(F) Second Final Flow Pressure 1479.5 PSI @ (depth) _____ w/Clock No. _____

(G) Final Shut-in Pressure 1510.8 PSI Initial Opening 30 Final Flow 45

Final Hydrostatic Mud 2506.7 PSI Initial Shut-in 60 Final Shut-in 60

Our Representative DANNY MORGAN TOTAL PRICE \$ _____

32-32-40W



POINT

This is an actual photograph of recorder chart
PRESSURE

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2519	2530.6
(B) FIRST INITIAL FLOW PRESSURE	1433	1452.5
(C) FIRST FINAL FLOW PRESSURE	1443	1471.9
(D) INITIAL CLOSED-IN PRESSURE	N/A	N/A
(E) SECOND INITIAL FLOW PRESSURE	1443	1461.1
(F) SECOND FINAL FLOW PRESSURE	1454	1479.5
(G) FINAL CLOSED-IN PRESSURE	1487	1510.8
(H) FINAL HYDROSTATIC MUD	2497	2506.7

CITIZEN ST. BANKDST #1

FINAL

SHUTIN

75 TOTAL FLOW

TIME

Slope

0.00 psi/cycle

P *

1,511 psi

Log

TIME(MIN)

Pws (psi)

Horn T

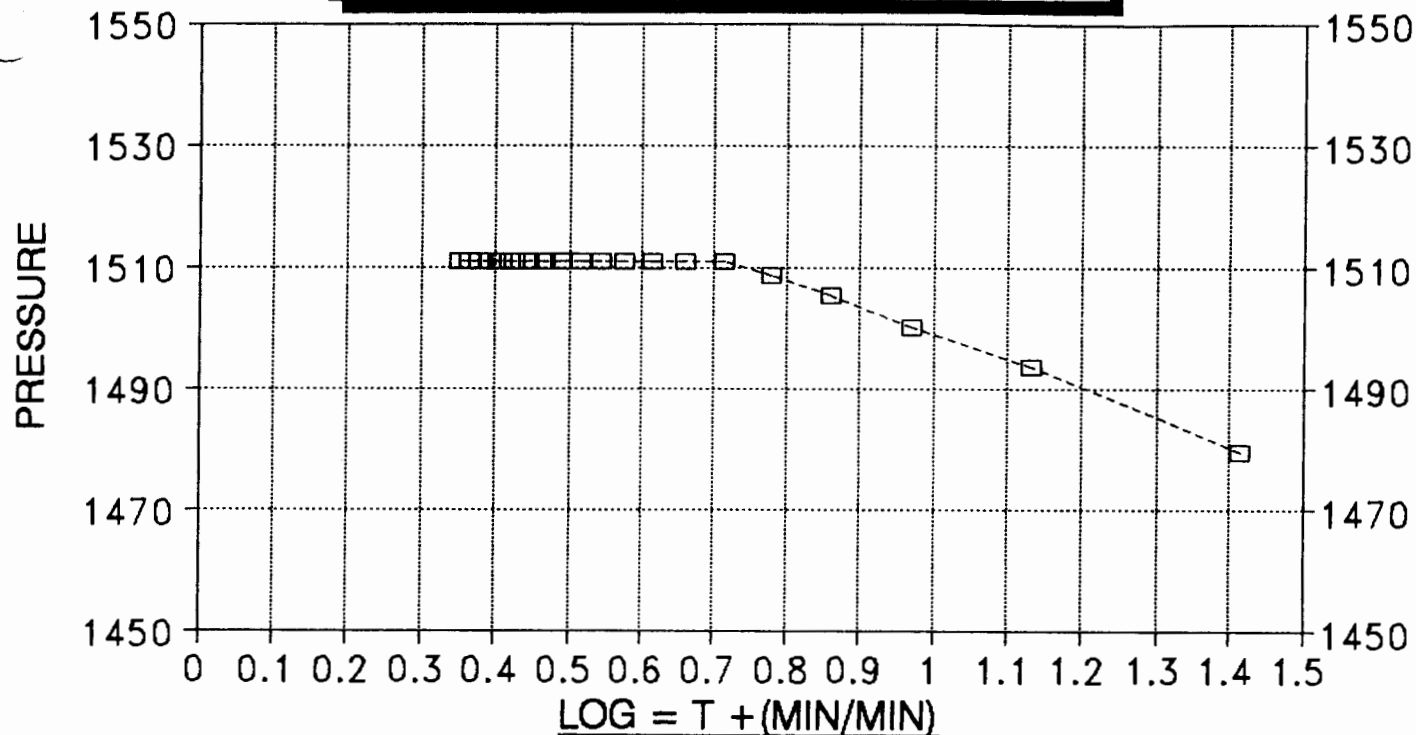
Horn T

<> PRESSURE

3	1479.5	26	1.415	1479.5
6	1493.5	14	1.130	14.0
9	1500.0	9	0.970	6.5
12	1505.4	7	0.860	5.4
15	1508.6	6	0.778	3.2
18	1510.8	5	0.713	2.2
21	1510.8	5	0.660	0.0
24	1510.8	4	0.615	0.0
27	1510.8	4	0.577	0.0
30	1510.8	4	0.544	-0.0
33	1510.8	3	0.515	0.0
36	1510.8	3	0.489	0.0
39	1510.8	3	0.466	0.0
42	1510.8	3	0.445	0.0
45	1510.8	3	0.426	0.0
48	1510.8	3	0.409	0.0
51	1510.8	2	0.393	0.0
54	1510.8	2	0.378	0.0
57	1510.8	2	0.365	0.0
60	1510.8	2	0.352	0.0

HORNER PLOT

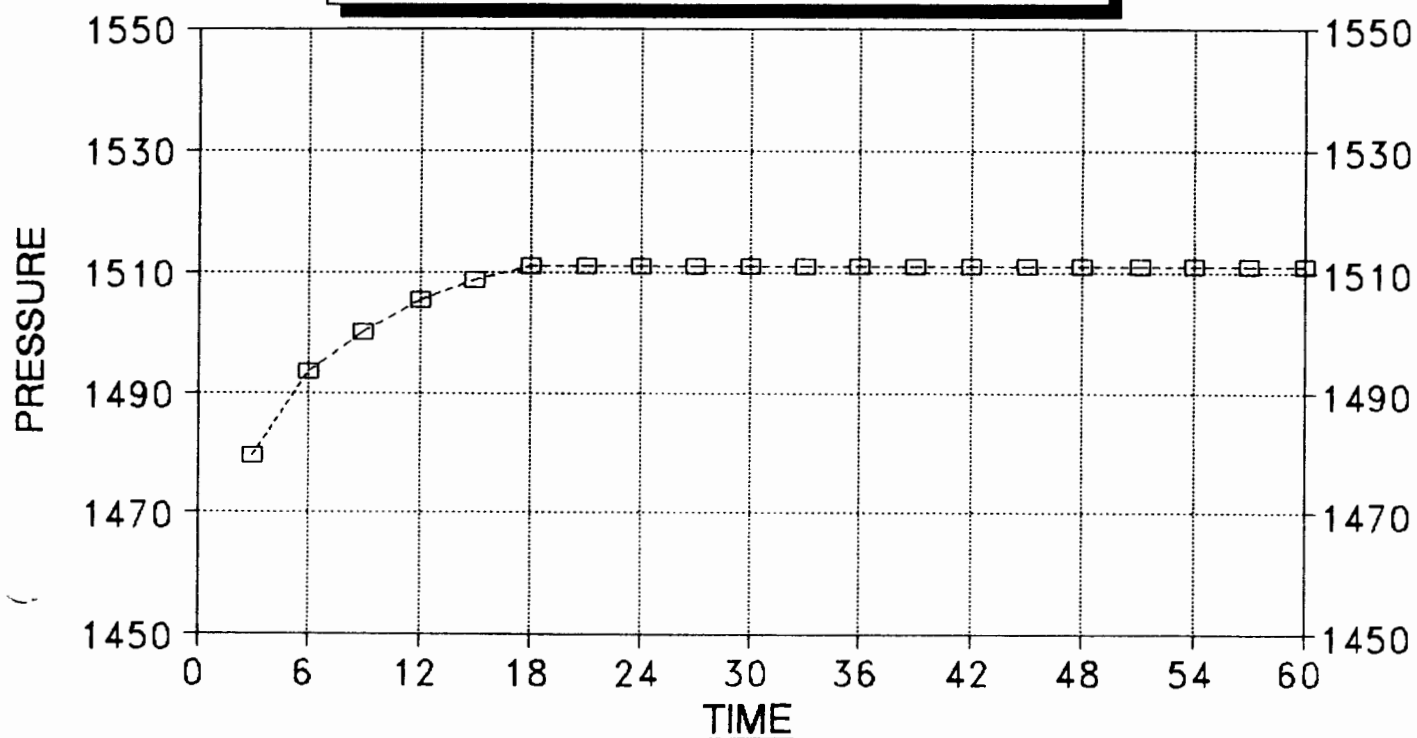
DST #1-CITIZEN ST. BANK 1/3



--□-- FINAL SHUTIN

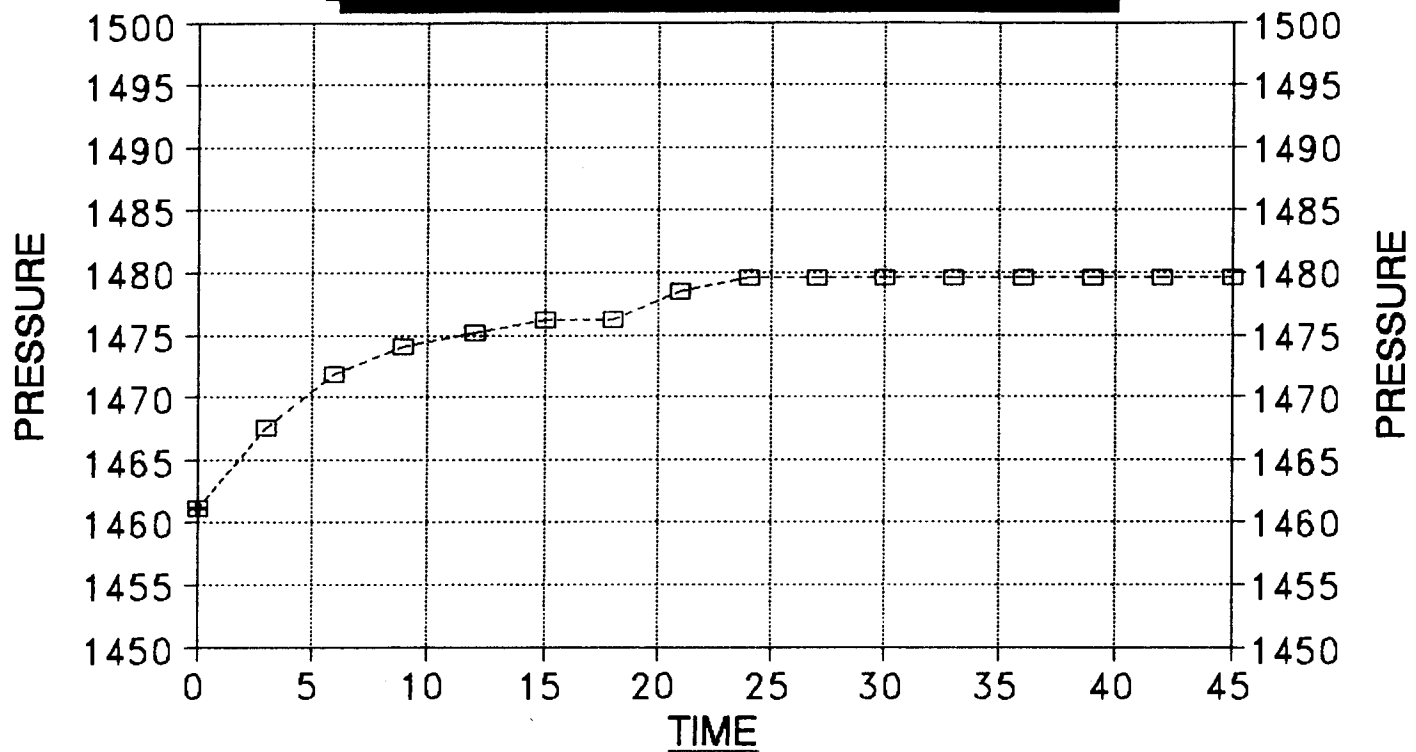
DELTA T DELTA P

DST #1-CITIZEN ST. BANK 1/3



DELTA T DELTA P

FINAL FLOW - DST #1



--□-- CITIZEN ST. BANK #1



HUGOTON ENERGY CORPORATION

GAS VOLUME REPORT

CITIZEN ST. BANK

1

OPERATOR

WELL NAME AND NO.

DST NO.

Remarks:

GAS TO SURFACE IN 2 MINUTES