

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name BOCK LAKESIDE FARMS #1 Test No. 1 Date 4/20/94
Company MID-CONTINENT ENERGY CORP & M.P.I. Zone MISS
Address 105 S. BROADWAY SUITE 900 WICHITA KS 67202 Elevation 1669 KB
Co. Rep./Geo. JON MESSENGER Cont. DUKE DRLG RIG #5 Est. Ft. of Pay _____
Location: Sec. 3 Twp. 29S Rge. 8W Co. KINGMAN State KS

Interval Tested 4138-4153 Drill Pipe Size 4.5" XH
Anchor Length 15 Wt. Pipe I.D. - 2.7 Ft. Run _____
Top Packer Depth 4133 Drill Collar - 2.25 Ft. Run _____
Bottom Packer Depth 4138 Mud Wt. 9.1 lb/Gal.
Total Depth 4153 Viscosity 44 Filtrate 9.8

Tool Open @ 6:50 AM Initial Blow STRONG BLOW-GAS TO SURFACE IN 24 MINUTES
SEE GAS VOLUME REPORT
Final Blow STRONG BLOW - SEE GAS VOLUME REPORT

Recovery - Total Feet 95 Flush Tool? NO

Rec. 4023 Feet of GAS IN PIPE
Rec. 33 Feet of DRILLING MUD
Rec. 62 Feet of MUDDY WATER - 78% WTR/ 22% MUD
Rec. _____ Feet of _____
Rec. _____ Feet of _____

BHT 115 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
RW 0.15 @ 75 °F Chlorides 71000 ppm Recovery Chlorides 5000 ppm System

(A) Initial Hydrostatic Mud 2029.8 PSI AK1 Recorder No. 13788 Range 4650

(B) First Initial Flow Pressure 40.1 PSI @ (depth) 4150 w / Clock No. 22993

(C) First Final Flow Pressure 40.1 PSI AK1 Recorder No. 10248 Range 4400

(D) Initial Shut-in Pressure 1273.5 PSI @ (depth) 4145 w / Clock No. 30410

(E) Second Initial Flow Pressure 37.8 PSI AK1 Recorder No. _____ Range _____

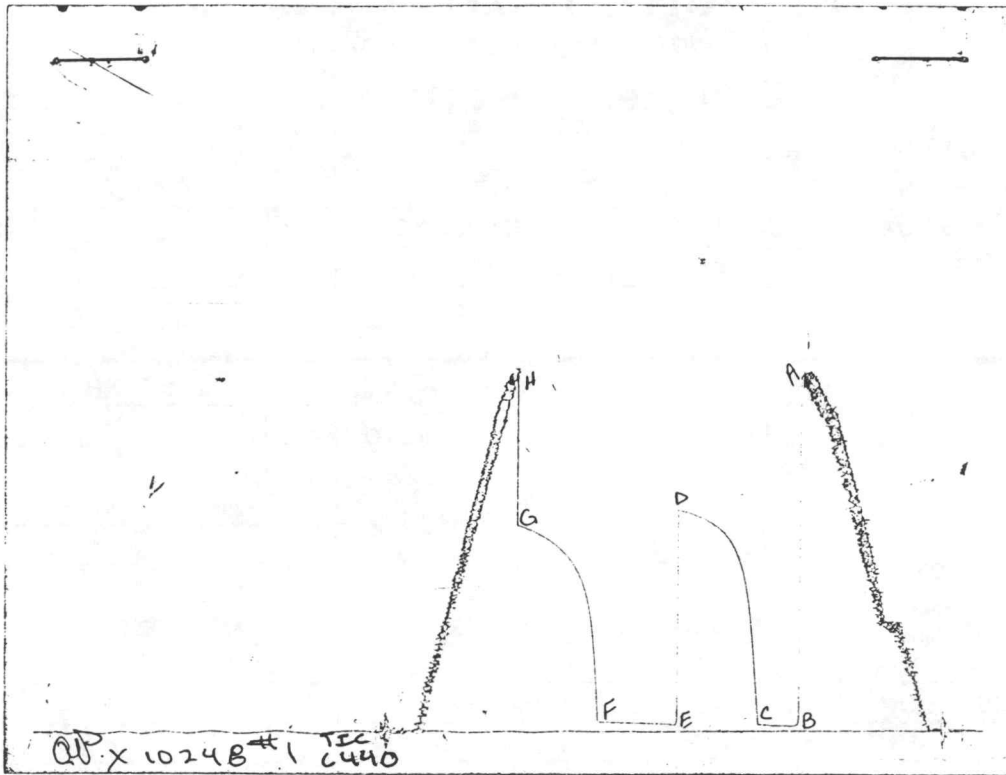
(F) Second Final Flow Pressure 54.9 PSI @ (depth) _____ w / Clock No. _____

(G) Final Shut-in Pressure 1186.1 PSI Initial Opening 30 Final Flow 60

(H) Final Hydrostatic Mud 2013.4 PSI Initial Shut-in 60 Final Shut-in 60

Our Representative GARY PEVOTEAUX

CHART PAGE



This is an actual photograph of recorder chart #10248

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2019	2029.8
(B) FIRST INITIAL FLOW PRESSURE	23	40.1
(C) FIRST FINAL FLOW PRESSURE	28	40.1
(D) INITIAL CLOSED-IN PRESSURE	1270	1273.5
(E) SECOND INITIAL FLOW PRESSURE	30	37.8
(F) SECOND FINAL FLOW PRESSURE	45	54.9
(G) FINAL CLOSED-IN PRESSURE	1185	1186.1
(H) FINAL HYDROSTATIC MUD	1997	2013.4

GAS VOLUME REPORT

MID-CONTINENT ENERGY CORP & M.P.I.

BOCK LAKESIDE FARMS #1

DST # 1

MIN	WATER	ORIFICE	MCF/D	MIN	WATER	ORIFICE	MCF/D
0			TOOL OPEN	10	56"	0.5	46.9
24				20	29"	0.5	33.9
30	15"	0.5		30	26"	0.5	31.9
				40	24"	0.5	30.7
				50	24"	0.5	30.7
				60	24"	0.5	30.7

Remarks:

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Drill-Stem Test Data

Well Name BOCK LAKESIDE FARMS #1 Test No. 2 Date 4/20/94
Company MID-CONTINENT ENERGY CORP & M.P.I. Zone MISS
Address 105 S. BROADWAY SUITE 900 WICHITA KS 67202 Elevation 1669 KB
Co. Rep./Geo. JON MESSENGER Cont. DUKE DRLG RIG #5 Est. Ft. of Pay _____
Location: Sec. 3 Twp. 29S Rge. 8W Co. KINGMAN State KS

Interval Tested 4164-4192 Drill Pipe Size 4.5" XH
Anchor Length 28 Wt. Pipe I.D. - 2.7 Ft. Run _____
Top Packer Depth 4159 Drill Collar - 2.25 Ft. Run _____
Bottom Packer Depth 4164 Mud Wt. 9.1 lb/Gal.
Total Depth 4192 Viscosity 43 Filtrate 9.2

Tool Open @ 10:17 PM Initial Blow FAIR BLOW- 2 TO 8" IN WATER

Final Blow WEAK BLOW - 2 TO 3" IN WATER

Recovery - Total Feet 50 Flush Tool? NO

Rec. 130 Feet of GAS IN PIPE
Rec. 50 Feet of MUD WITH FEW OIL SPECKS
Rec. _____ Feet of _____
Rec. _____ Feet of _____
Rec. _____ Feet of _____

BHT 115 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
RW _____ @ _____ °F Chlorides 5000 ppm Recovery Chlorides 5000 ppm System

(A) Initial Hydrostatic Mud 2062.8 PSI AK1 Recorder No. 13788 Range 4650

(B) First Initial Flow Pressure 28.7 PSI @ (depth) 4189 w / Clock No. 22993

(C) First Final Flow Pressure 28.7 PSI AK1 Recorder No. 10248 Range 4400

(D) Initial Shut-in Pressure 128.8 PSI @ (depth) 4184 w / Clock No. 30410

(E) Second Initial Flow Pressure 28.7 PSI AK1 Recorder No. _____ Range _____

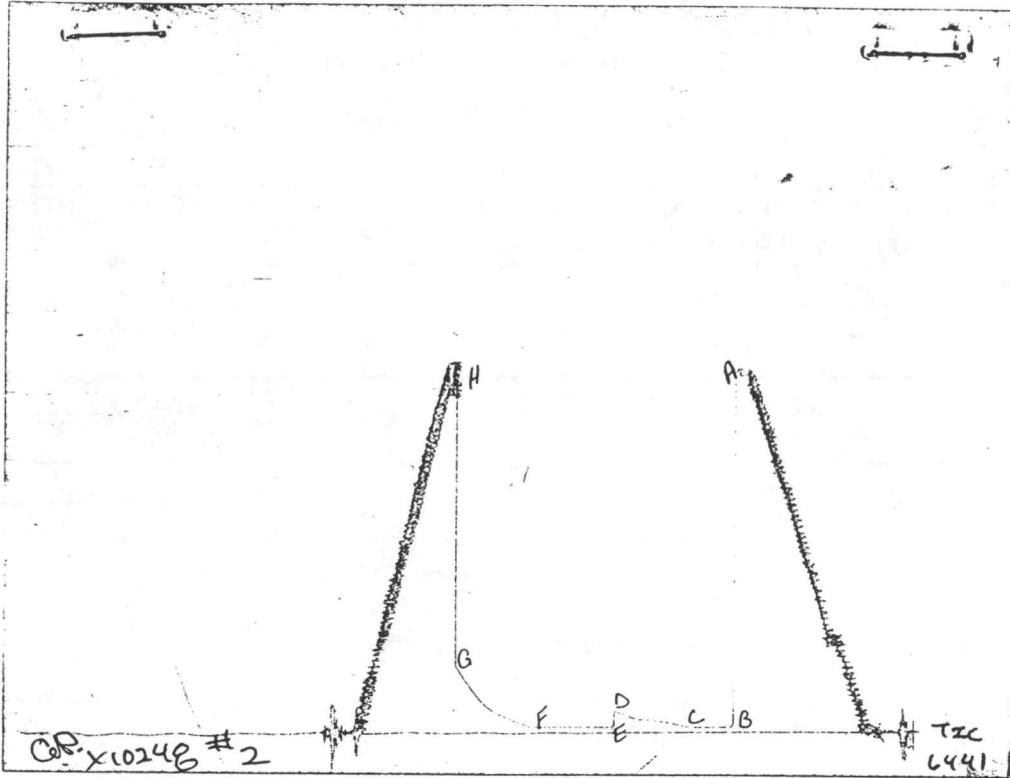
(F) Second Final Flow Pressure 28.7 PSI @ (depth) _____ w / Clock No. _____

(G) Final Shut-in Pressure 377.2 PSI Initial Opening 30 Final Flow 60

(H) Final Hydrostatic Mud 2005.7 PSI Initial Shut-in 60 Final Shut-in 60

Our Representative GARY PEVOTEAUX

CHART PAGE



This is an actual photograph of recorder chart #10248

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2043	2062.8
(B) FIRST INITIAL FLOW PRESSURE	23	28.7
(C) FIRST FINAL FLOW PRESSURE	25	28.7
(D) INITIAL CLOSED-IN PRESSURE	130	128.8
(E) SECOND INITIAL FLOW PRESSURE	27	28.7
(F) SECOND FINAL FLOW PRESSURE	27	28.7
(G) FINAL CLOSED-IN PRESSURE	384	377.2
(H) FINAL HYDROSTATIC MUD	1985	2005.7