MILLER TESTING COMPANY

Box 547

GREAT BEND, KANSAS

Company K AND E DRILLING INCORPORATED

Lease and Well No. DAVIS RANCH #2-4

County BARBER State KANSAS Date 1-25-66

Formation Test No. #1 Total Depth 5110 Elev. 1774 K B

Interval Tested 5052 To 5110 Anchor Length 58'

Size Hole 7 7/8 Size Drill Pipe 4 1/2 FH 4 FH Size Packer 6 3/4

Mud Weight 9.7 Viscosity 47 Water Loss 4.8 c.c. Bottom Hole Temp. 115 °F

Chokes: Top 1/2 Bottom 1/2 Ticket No. 8030

RECOVERY

STRONG BLOW GAS TO SURFACE IN 1½ MINUTES

GAUGED:	1,930,000	in 5	MINUTES
ON 1ST OPEN.	2,830,000	10	
	2,930,000	15	

SECOND OPENING IN 10 MINUTES 3,310,000 CFPD and STABALIZED REMAINDER OF TEST

BTU OF GAS 1070

(SMALL AMOUNT OF OIL CUT MUD IN TOOL)

Lease and Well No. DAVIS RANCH #2-4 4 35 15 CW 2 Formation Test No. #1

COMPANY K AND E DRILLING COMPANY INC. DATE 1-25-66

LEASE DAVIS RANCH WELL NO. 2-4 TEST NO. 1 TICKET NO. 8030

	TIME	PSI
INITIAL HYDRO MUD PRESSURE	-----	2787
INITIAL CLOSED IN PRESSURE	45 MINS	1820
INITIAL FLOW	-----	787
FINAL FLOW	1hr 45 min	692
FINAL CLOSED IN PRESSURE	45 MINS	1658
FINAL HYDRO MUD PRESSURE	----	2712

TOTAL DEPTH 5110

PACKER DEPTH 5052

BT. NO. 2162 DEPTH 5105

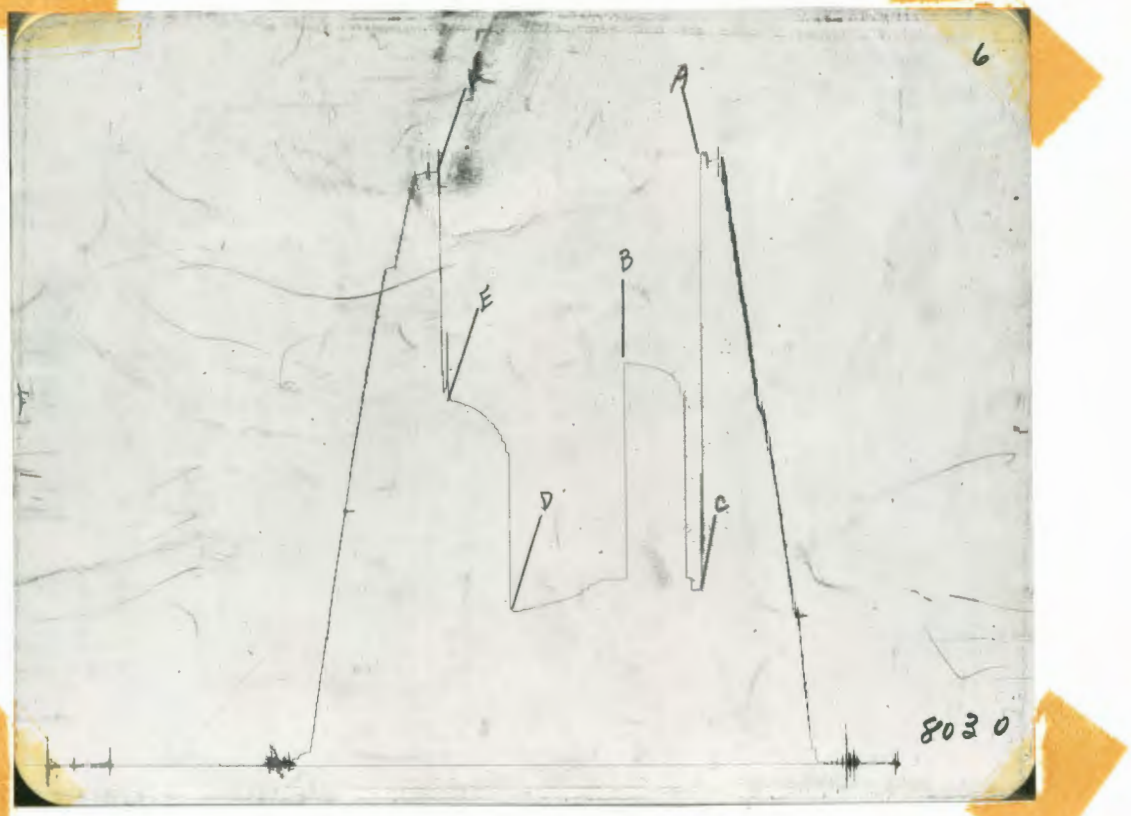
	1ST FLOW PRESSURE		INITIAL CIP		2ND FLOW PRESSURE		FINAL CIP	
	TIME DEFL. .000"	PSI TEMP. CORR.	TIME DEFL. .000"	PSI TEMP. CORR.	TIME DEFL. .000"	PSI TEMP. CORR.	TIME DEFL. .000"	PSI TEMP. CORR.
P0		787		787		839		692
P1		787		1742		835		1523
P2		787		1768		830		1549
P3		787		1785		796		1575
P4				1799		753		1602
P5				1807		735		1619
P6				1814		727		1637
P7				1816		709		1650
P8				1818		701		1654
P9				1820		692		1658
P10								
	5 MINUTE INTERVAL		5 MINUTE INTERVAL		10 MINUTE INTERVAL		5 MINUTE INTERVAL	

REMARKS

SPECIAL PRESSURE DATA

Time: Each Square____ minutes

Pressure: Each Square____ psi



Tool Open: 1st Flow__ hr. 15 mins: 2nd Flow 1 hr. __ mins: Shut-in: Initial__ hr. 45 mins: Final__ hr. 45 mins.

	Field Reading	Corrected Reading
(A) Initial Hydrostatic Pressure	2788	2787
(B) Initial Shut-in Pressure	1820	1820
(C) Initial Flow Pressure	787	787
(D) Final Flow Pressure	692	692
(E) Final Shut-in Pressure	1663	1658
(F) Final Hydrostatic Pressure	2699	2712

MILLER TESTING COMPANY

Box 547

GREAT BEND, KANSAS

Company K AND E DRILLING COMPANY INCORPORATED

Lease and Well No. DAVIS RANCH #2-4

County BARBER State KANSAS Date 1-26-66

Formation Test No. #2 Total Depth 5168 Elev. 1774 KB

Interval Tested 5093 To 5134 Anchor Length BETWEEN 41' BELOW 34'

Size Hole 7 7/8 Size Drill Pipe 4 1/2 ~~FH~~ & 4 FH Size Packer 6 3/4

Mud Weight 10 Viscosity 49 Water Loss 11 c.c. Bottom Hole Temp. 117 ° F

Chokes: Top 1/2 Bottom 1/2 Ticket No. 7682

RECOVERY

STRONG BLOW GAS SURFACED 19 MINUTES
(too small to measure)
Four MINUTES AFTER SECOND OPENING

130' GAS CUT MUD

Lease and Well No. DAVIS RANCH #2-4 4 35 15 Formation Test No. #2

COMPANY K AND E DRILLING COMPANY INC. DATE 1-26-66

LEASE DAVIS RANCH WELL NO. 2-4 TEST NO. 2 TICKET NO. 7682

	TIME	PSI
INITIAL HYDRO MUD PRESSURE	-----	2827
INITIAL CLOSED IN PRESSURE	45 MINS	1455
INITIAL FLOW	-----	44
FINAL FLOW	135 MINS	66
FINAL CLOSED IN PRESSURE	45 MINS	1592
FINAL HYDRO MUD PRESSURE	------	2791

TOTAL DEPTH 5168

PACKER DEPTH 5093 & 5134

BT. NO. 1049 DEPTH 5129

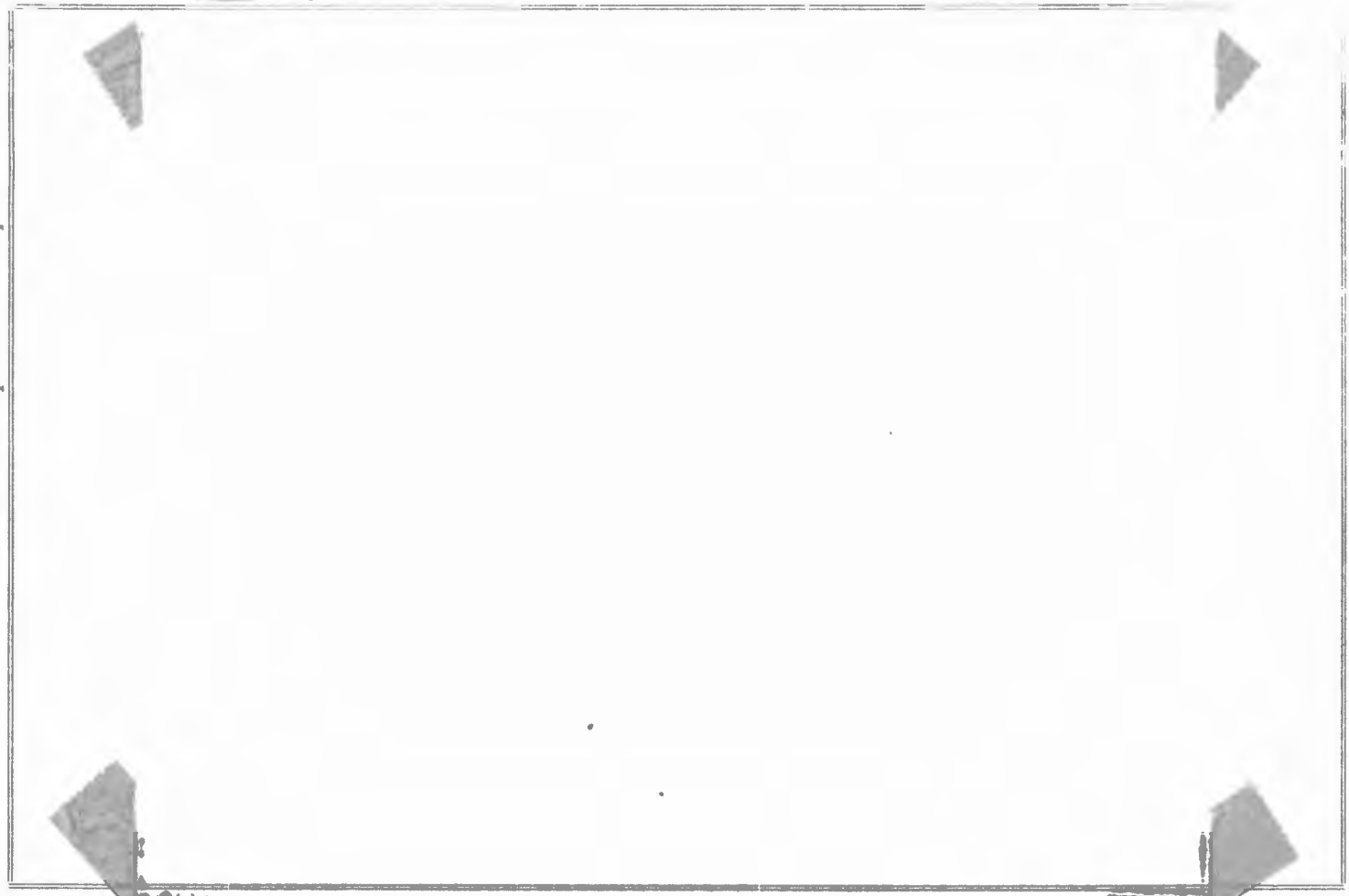
	1ST FLOW PRESSURE		INITIAL CIP		2ND FLOW PRESSURE		FINAL CIP	
	TIME DEFL. .000"	PSI TEMP. CORR.	TIME DEFL. .000"	PSI TEMP. CORR.	TIME DEFL. .000"	PSI TEMP. CORR.	TIME DEFL. .000"	PSI TEMP. CORR.
P0		44		44	46	64		66
P1		44		695	46	66		880
P2		44		988	48			1122
P3		44		1189	48			1308
P4				1290	49			1422
P5				1365	51			1482
P6				1413	55			1537
P7				1433	58			1565
P8				1446	62			1583
P9				1455	62			1592
P10					64			
	5 MINUTE INTERVAL		5 MINUTE INTERVAL		10 MINUTE INTERVAL		5 MINUTE INTERVAL	

REMARKS

SPECIAL PRESSURE DATA

Time: Each Square _____ minutes

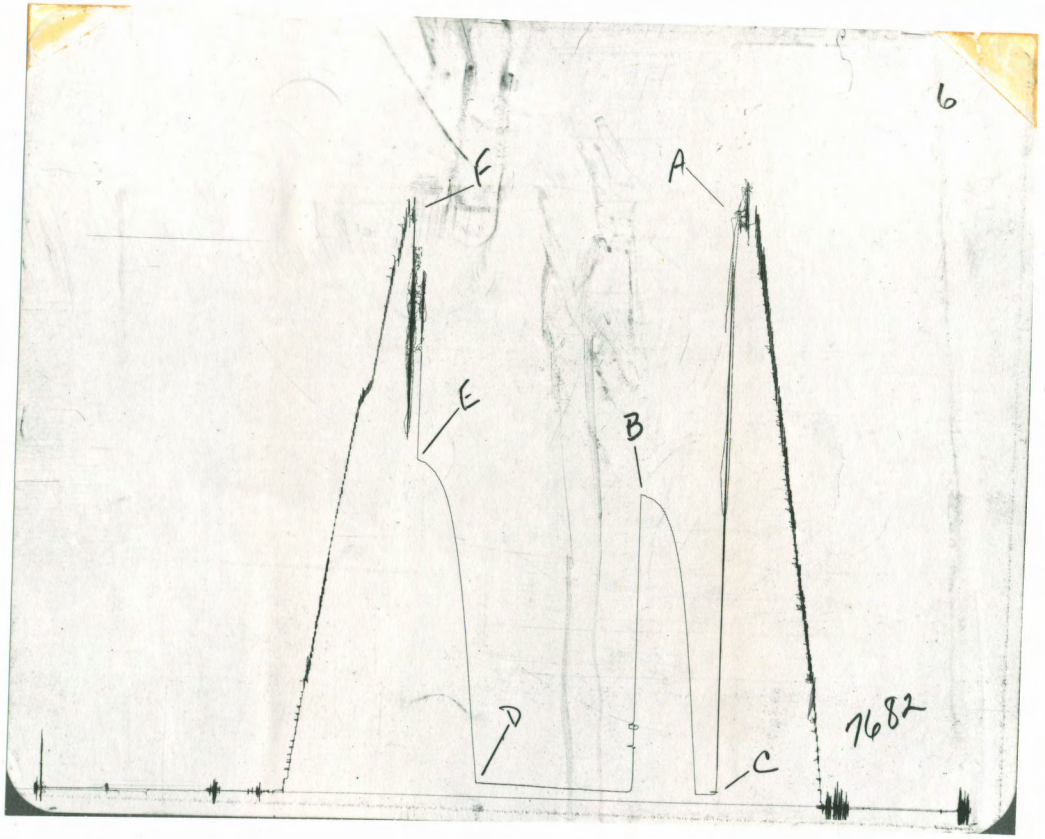
Pressure: Each Square _____ psi



Tool Open: 1st Flow ___ hr. 15 mins: 2nd Flow 2 hr. ___ mins: Shut-in: Initial ___ hr. 45 mins: Final ___ hr. 45 mins.

	Field Reading	Corrected Reading
(A) Initial Hydrostatic Pressure	2745	2827
(B) Initial Shut-in Pressure	1446	1455
(C) Initial Flow Pressure	46	44
(D) Final Flow Pressure	55	66
(E) Final Shut-in Pressure	1592	1592
(F) Final Hydrostatic Pressure	2745	2791

7682


6
F
A
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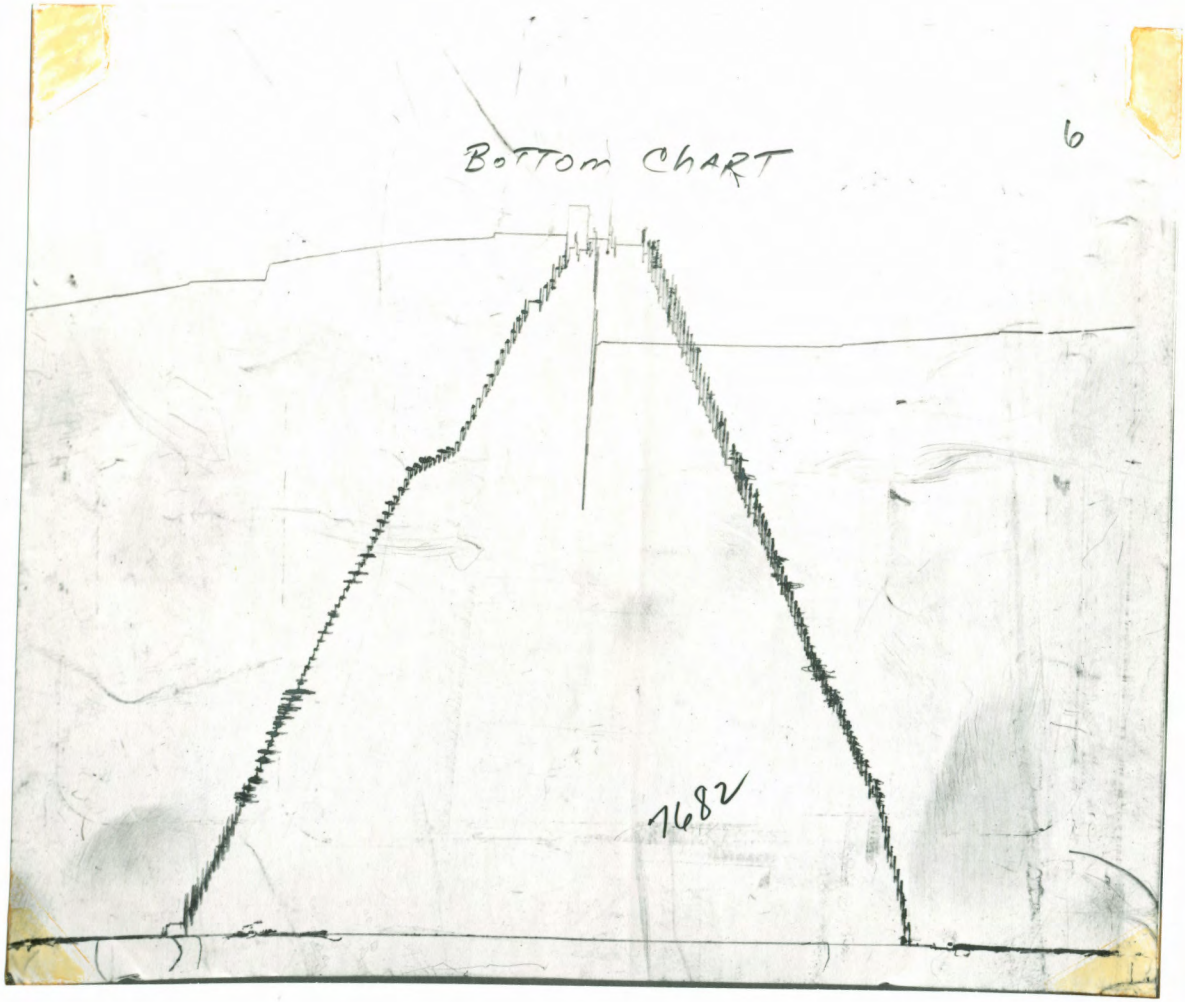
7682


BOTTOM CHART
6
7682