

MILLER TESTING COMPANY

Box 547

GREAT BEND, KANSAS

Company CITIES SERVICE OIL CO.
 Lease and Well No. CLARKE B #1
 County COMMANCHE State KANSAS Date APRIL 25, 1967

Formation Test No. 1 Total Depth 5019 Elev. 2098 KB
 Interval Tested 4992 To 5019 Anchor Length 27'
 Size Hole 7 7/8 Size Drill Pipe 4 1/2 ACME Size Packer 6 3/4
 Mud Weight 10 Viscosity 64 Water Loss 6.4 c.c. Bottom Hole Temp. 109 °F
 Chokes: Top 1/2 Bottom 1/2 Ticket No. 8209

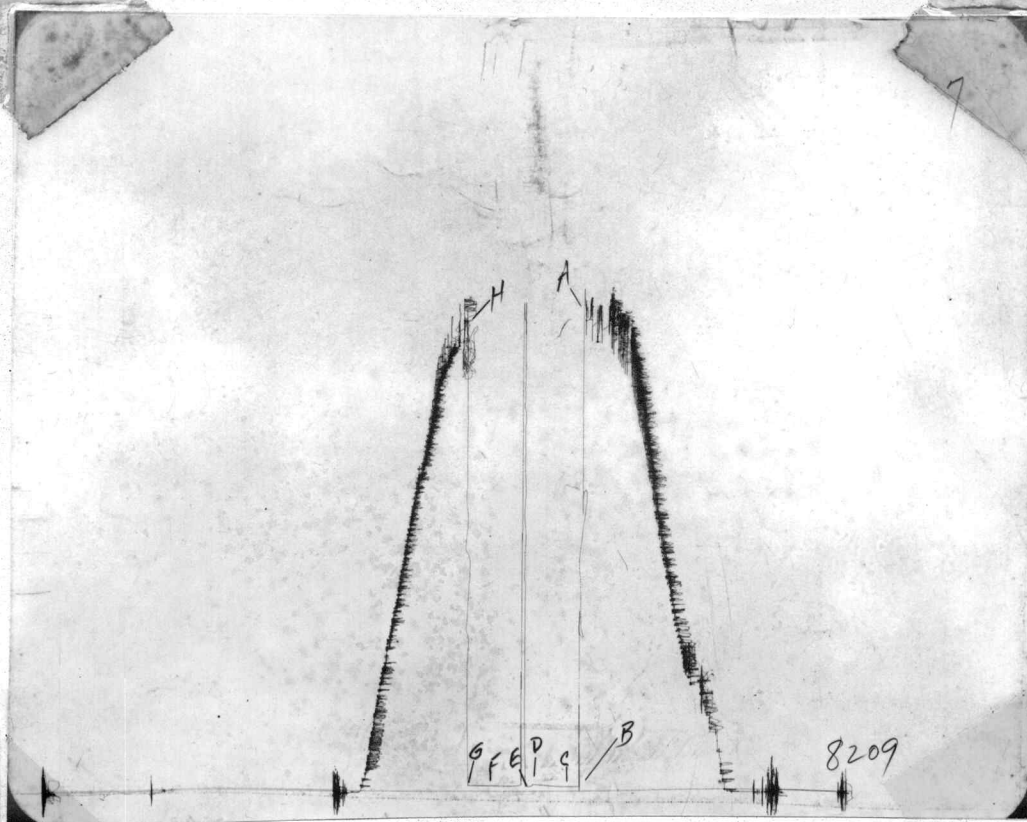
RECOVERY

VERY WEAK BLOW FOR 2 MINUTES ON FIRST FLOW. NO BLOW ON
 SECOND OPENING. FLUSHED TOOL AFTER 5 MINUTES. WEAK BLOW
 FOR 10 MINUTES. DIED.

30 FEET OF MUD.

Lease and Well No. CLARKE B. #1 12 315 18W 1980' FWL & 1830' FSL
 Formation Test No. 1

12.315-18W



Tool Open: 1st Flow hr. 5 mins: Shut-in Initial hr. 30 min: 2nd Flow hr. 15 min: Shut-in Final hr. 30 min

	Field Reading	Corrected Reading
(A) Initial Hydrostatic Pressure	<u>2724</u>	<u>2747</u>
(B) Initial 1st Flow Pressure	<u>22</u>	<u>25</u>
(C) Final 1st Flow Pressure	<u>22</u>	<u>25</u>
(D) Initial Shut-in Pressure	<u>45</u>	<u>40</u>
(E) Initial 2nd Flow Pressure	<u>34</u>	<u>27</u>
(F) Final 2nd Flow Pressure	<u>34</u>	<u>27</u>
(G) Final Shut-in Pressure	<u>34</u>	<u>34</u>
(H) Final Hydrostatic Pressure	<u>2632</u>	<u>2712</u>

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BOTTOM

OUTSIDE RECORDER

8209

MILLER TESTING COMPANY

Box 547

GREAT BEND, KANSAS

Company CITIES SERVICE OIL CO.
Lease and Well No. CLARKE B #1
County COMMANCHE State KANSAS Date APRIL 26, 1967

Formation Test No. 2 Total Depth 5039 Elev. 2098 KB
Interval Tested 5019 To 5039 Anchor Length 20'
Size Hole 7 7/8 Size Drill Pipe 4 1/2 ACME Size Packer 6 3/4
Mud Weight 10.1 Viscosity 57 Water Loss 6.8 c.c. Bottom Hole Temp. 139 ° F
Chokes: Top 1/2 Bottom 1/2 Ticket No. 8210

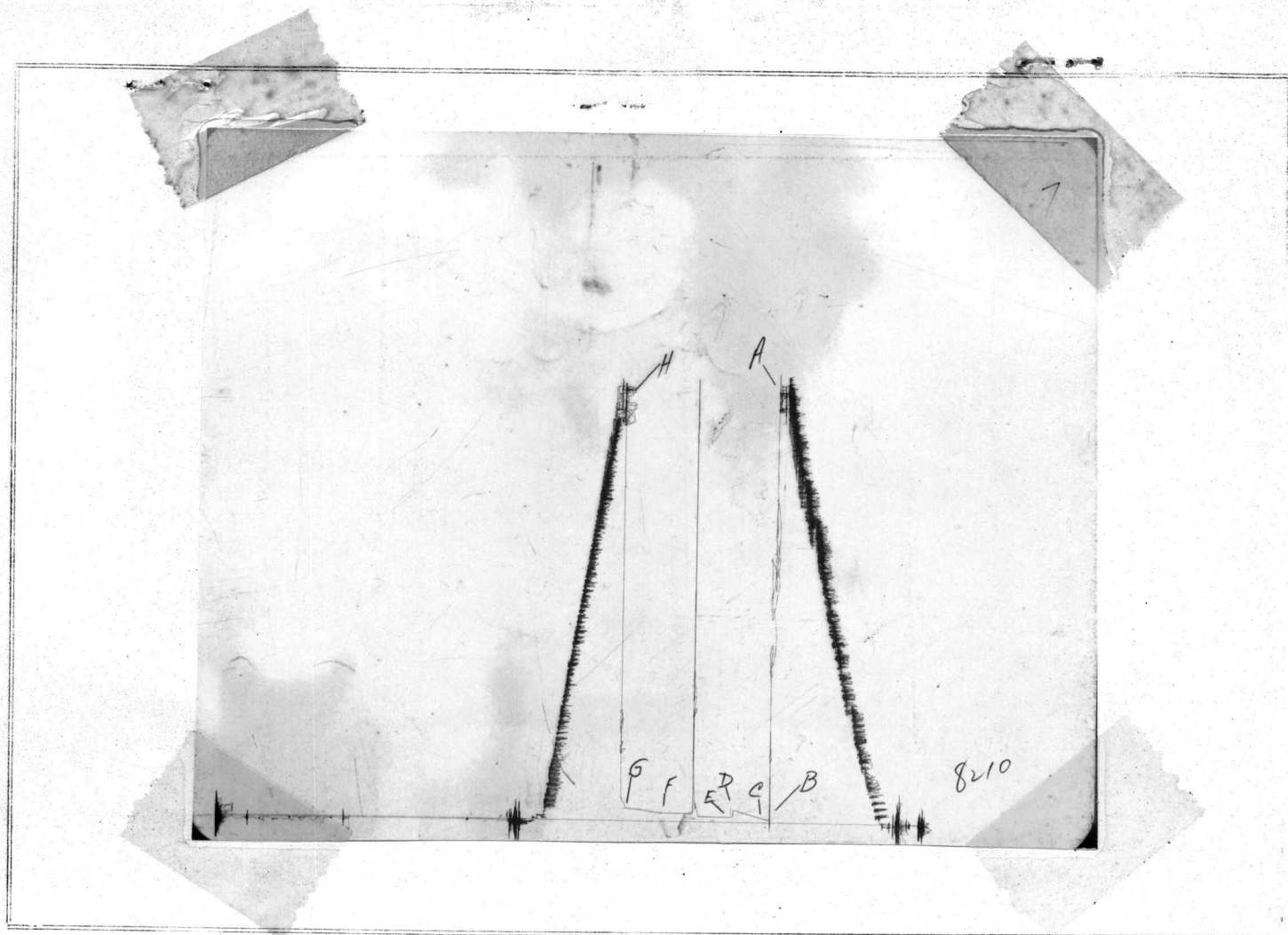
RECOVERY

VERY WEAK BLOW. FLUSHED TOOL 30 MINUTES AFTER SECOND
OPENING WITH VERY WEAK BLOW THROUGHOUT REST OF TEST.

1/2" CHOKE TOP & BOTTOM.

65 FEET OF MUD.

Lease and Well No. CLARKE B #1 12 31S 18W 1780' FWL & 1830' F₂L
Formation Test No. 2



Tool Open: 1st Flow 5 hr. 5 mins: Shut-in Initial 30 hr. 30 min: 2nd Flow 1 hr. 0 min: Shut-in Final 30 hr. 30 min

	Field Reading	Corrected Reading
(A) Initial Hydrostatic Pressure	<u>2690</u>	<u>2790</u>
(B) Initial 1st Flow Pressure	<u>22</u>	<u>20</u>
(C) Final 1st Flow Pressure	<u>22</u>	<u>20</u>
(D) Initial Shut-in Pressure	<u>78</u>	<u>78</u>
(E) Initial 2nd Flow Pressure	<u>34</u>	<u>34</u>
(F) Final 2nd Flow Pressure	<u>45</u>	<u>54</u>
(G) Final Shut-in Pressure	<u>78</u>	<u>82</u>
(H) Final Hydrostatic Pressure	<u>2690</u>	<u>2747</u>

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BOTTOM
OUTSIDE RECORDER

8210

COMPANY CITIES SERVICE OIL CO.DATE APRIL 26, 1967LEASE CLARKE BWELL
NO. 1TEST
NO. 3TICKET NO. 8211

	TIME	PSI
INITIAL HYDRO MUD PRESSURE		2793
INITIAL CLOSED IN PRESSURE	30 mins.	1492
INITIAL FLOW	5 mins.	11 to 11
FINAL FLOW	55 mins.	22 to 27
FINAL CLOSED IN PRESSURE	30 mins.	346
FINAL HYDRO MUD PRESSURE		2758

TOTAL DEPTH 5054PACKER DEPTH 5036BT. NO. 1134 DEPTH 5049

1ST FLOW PRESSURE	INITIAL CIP	2ND FLOW PRESSURE	FINAL CIP
11	11	22	27
11	67	22	34
	346	22	51
	1046	22	85
	1291	22	119
	1436	22	201
	1492	24	346
		24	
		24	
		27	
		27	
		27	
5 MINUTE INTERVAL	5 MINUTE INTERVAL	5 MINUTE INTERVAL	5 MINUTE INTERVAL

REMARKS _____

SPECIAL PRESSURE DATA

MILLER TESTING COMPANY

Box 547

GREAT BEND, KANSAS

Company CITIES SERVICE OIL CO.

Lease and Well No. CLARKE B #1

County COMMANCHE State KANSAS Date APRIL 26, 1967

Formation Test No. 3 Total Depth 5054 Elev. 2098 KB
 Interval Tested 5036 To 5054 Anchor Length 18'
 Size Hole 7 7/8 Size Drill Pipe 4 1/2 AGME Size Packer 6 3/4
 Mud Weight 10 Viscosity 57 Water Loss 6.8 c.c. Bottom Hole Temp. 110 ° F
 Chokes: Top 1/2 Bottom 1/2 Ticket No. 8211

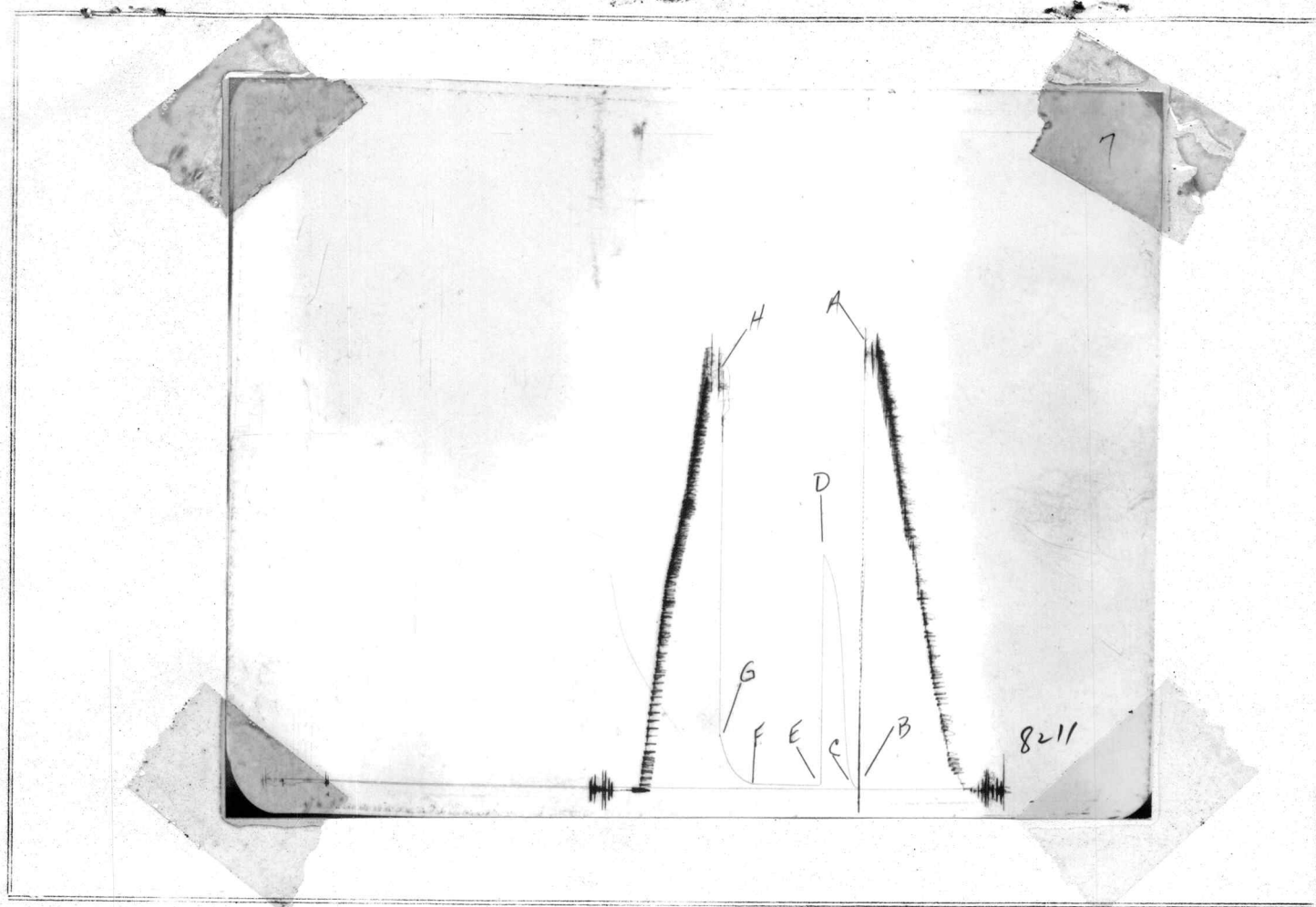
RECOVERY

VERY WEAK BLOW THROUGHOUT TEST.

1/2" CHOKE TOP & BOTTOM.

30 FEET OF MUD.

Lease and Well No. CLARKE B #1 12 315 18W 1780' FWL & 1830' FSL
 Formation Test No. 3



Tool Open: 1st Flow hr. 5 mins: Shut-in Initial hr. 30 min: 2nd Flow hr. 55 min: Shut-in Final hr. 30 min

	Field Reading	Corrected Reading
(A) Initial Hydrostatic Pressure	<u>2747</u>	<u>2793</u>
(B) Initial 1st Flow Pressure	<u>11</u>	<u>11</u>
(C) Final 1st Flow Pressure	<u>11</u>	<u>11</u>
(D) Initial Shut-in Pressure	<u>1503</u>	<u>1492</u>
(E) Initial 2nd Flow Pressure	<u>22</u>	<u>22</u>
(F) Final 2nd Flow Pressure	<u>34</u>	<u>27</u>
(G) Final Shut-in Pressure	<u>335</u>	<u>346</u>
(H) Final Hydrostatic Pressure	<u>2690</u>	<u>2758</u>

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BOTTOM
OUTSIDE RECORDER

8211

MILLER TESTING COMPANY

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GREAT BEND, KANSAS

Company CITIES SERVICE OIL CO.

Lease and Well No. CLARK B #1

County COMMANCHE State KANSAS Date APRIL 27, 1967

Formation Test No. 4 Total Depth 5064 Elev. 2098 KB
Interval Tested 5051 To 5064 Anchor Length 13'
Size Hole 7 7/8 Size Drill Pipe 4 1/2 ACME Size Packer 6 3/4
Mud Weight 10 Viscosity 57 Water Loss 6.8 c.c. Bottom Hole Temp. 110 ° F
Chokes: Top 1/2 Bottom 1/2 Ticket No. 8212

RECOVERY

VERY WEAK BLOW FOR 5 MINUTES.

1/2" CHOKE TOP & BOTTOM.

10 FEET OF MUD.

Lease and Well No. CLARK B #1 12 31S 18W 1780' FWL & 1830' ¹/₂" SL
Formation Test No. 4

DATE APRIL 27, 1967

WELL NO. 1

TEST NO. 4

TICKET NO. 8212

TOTAL DEPTH 5064

PACKER DEPTH 5051

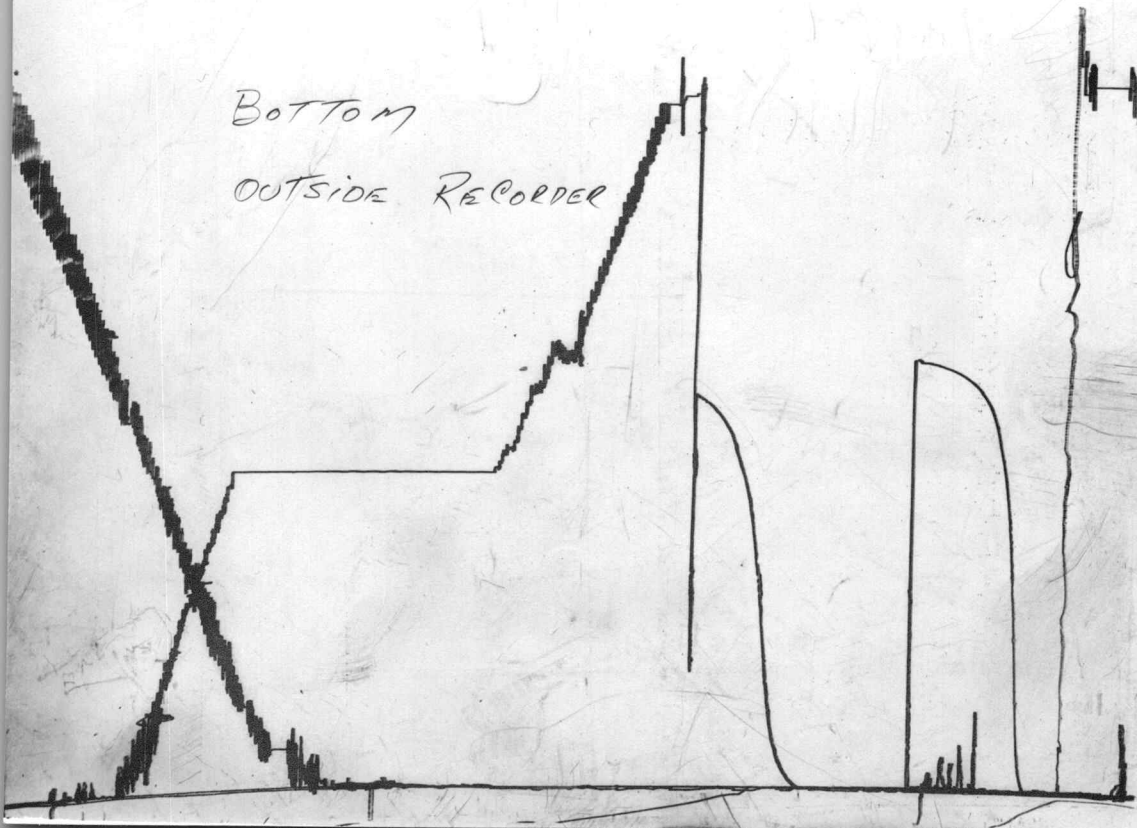
BT. NO. 1134 DEPTH 5059

REMARKS _____

SPECIAL PRESSURE DATA

BOTTOM

OUTSIDE RECORDER



MILLER TESTING COMPANY

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GREAT BEND, KANSAS

Company CITIES SERVICE OIL CO.

Lease and Well No. CLARK B #1

County COMMANCHE State KANSAS

Date APRIL 28, 1967

Formation Test No. <u>5</u>	Total Depth <u>5098</u>	Elev. <u>2098 KB</u>
Interval Tested <u>5064</u>	To <u>5098</u>	Anchor Length <u>34'</u>
Size Hole <u>7 7/8</u>	Size Drill Pipe <u>4 1/2 ACME</u>	Size Packer <u>6 3/4</u>
Mud Weight <u>10</u>	Viscosity <u>58</u>	Water Loss <u>6</u> c.c. Bottom Hole Temp. <u>110</u> °F
Chokes: Top <u>1/2</u>	Bottom <u>1/2</u>	Ticket No. <u>8213</u>

RECOVERY

WEAK BLOW THROUGHOUT TEST.

90 FEET OF WATERY MUD.

Lease and Well No. CLARK B #1 // 1 12 315 10W 1780' P.W. & 1830' Formation Test No. 5

COMPANY CITIES SERVICE OIL CO.DATE APRIL 28, 1967LEASE CLARKE BWELL NO. 1TEST NO. 5TICKET NO. 8213

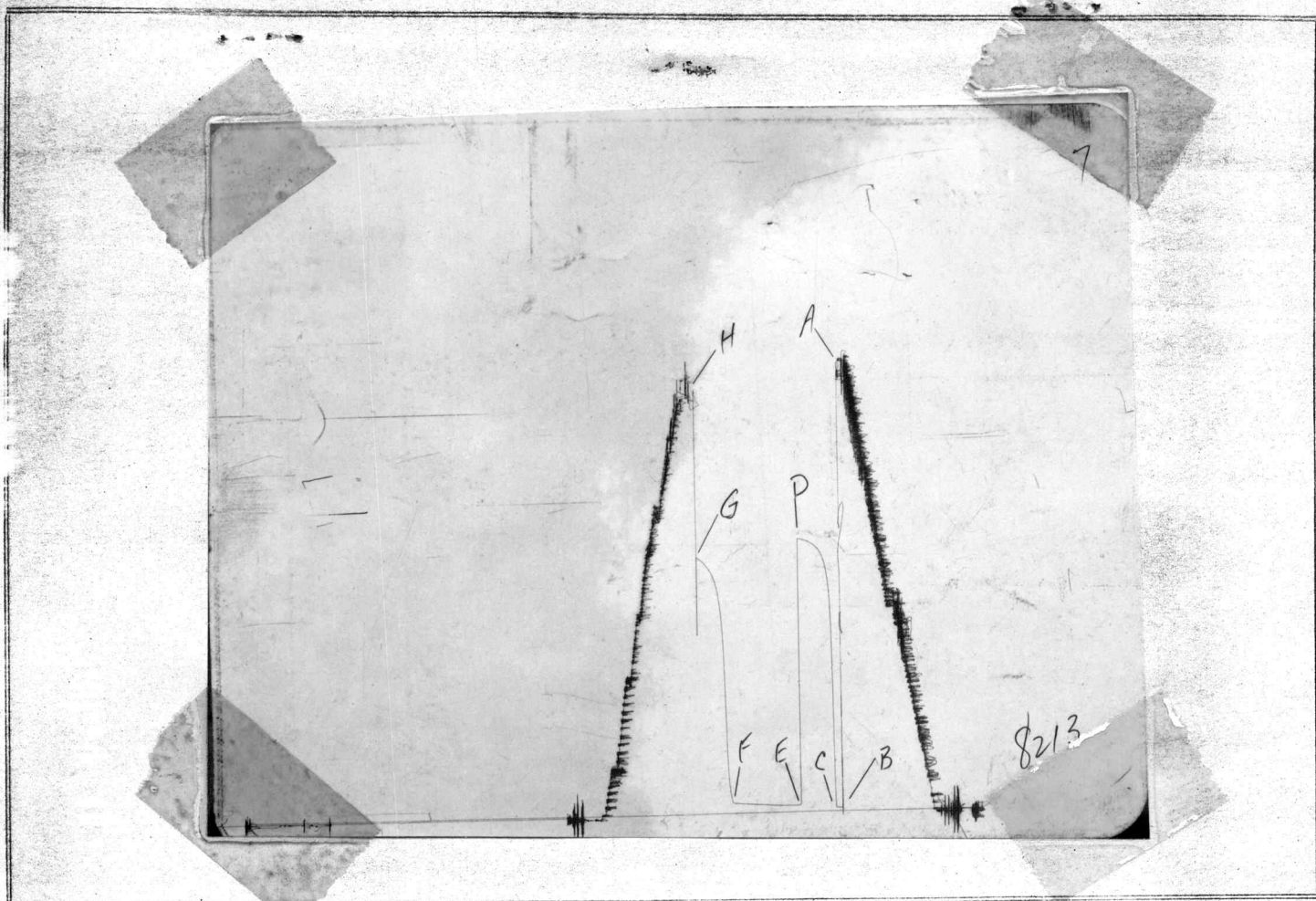
	TIME	PSI
INITIAL HYDRO MUD PRESSURE		2816
INITIAL CLOSED IN PRESSURE	30 mins.	1716
INITIAL FLOW	5 mins.	22 to 25
FINAL FLOW	60 mins.	45 to 67
FINAL CLOSED IN PRESSURE	30 mins.	1604
FINAL HYDRO MUD PRESSURE		2690

TOTAL DEPTH 5098PACKER DEPTH 5064BT. NO. 1134 DEPTH 5093

1ST FLOW PRESSURE	INITIAL CIP	2ND FLOW PRESSURE	FINAL CIP
22	25	45	67
25	1414	45	101
	1615	45	1079
	1660	47	1427
	1687	56	1517
	1705	60	1566
	1716	67	1604
5 MINUTE INTERVAL	5 MINUTE INTERVAL	10 MINUTE INTERVAL	5 MINUTE INTERVAL

REMARKS

SPECIAL PRESSURE DATA



Tool Open: 1st Flow 5 hr. 5 mins; Shut-in Initial 30 min: 2nd Flow 1 hr. 0 min: Shut-in Final 30 min.

	Field Reading	Corrected Reading
(A) Initial Hydrostatic Pressure	<u>2747</u>	<u>2816</u>
(B) Initial 1st Flow Pressure	<u>22</u>	<u>22</u>
(C) Final 1st Flow Pressure	<u>22</u>	<u>25</u>
(D) Initial Shut-in Pressure	<u>1717</u>	<u>1716</u>
(E) Initial 2nd Flow Pressure	<u>45</u>	<u>45</u>
(F) Final 2nd Flow Pressure	<u>67</u>	<u>67</u>
(G) Final Shut-in Pressure	<u>1604</u>	<u>1604</u>
(H) Final Hydrostatic Pressure	<u>2598</u>	<u>2690</u>

8213

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BOTTOM
OUTSIDE RECORDED

8213