

MILLER TESTING COMPANY

Box 547

GREAT BEND, KANSAS

Company AMERICAN OIL EXPLORATION CO.

Lease and Well No. SHAFER #1

County RUSSELL State KANSAS Date MAY 23, 1967

Formation Test No. 1 Total Depth 3035 Elev. 1850 KB

Interval Tested 3017 To 3035 Anchor Length 20'

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

Mud Weight 10.2 Viscosity 39 Water Loss 13.6 c.c. Bottom Hole Temp. 98 ° F

Chokes: Top 1/2 Bottom 1/2 Ticket No. 8607

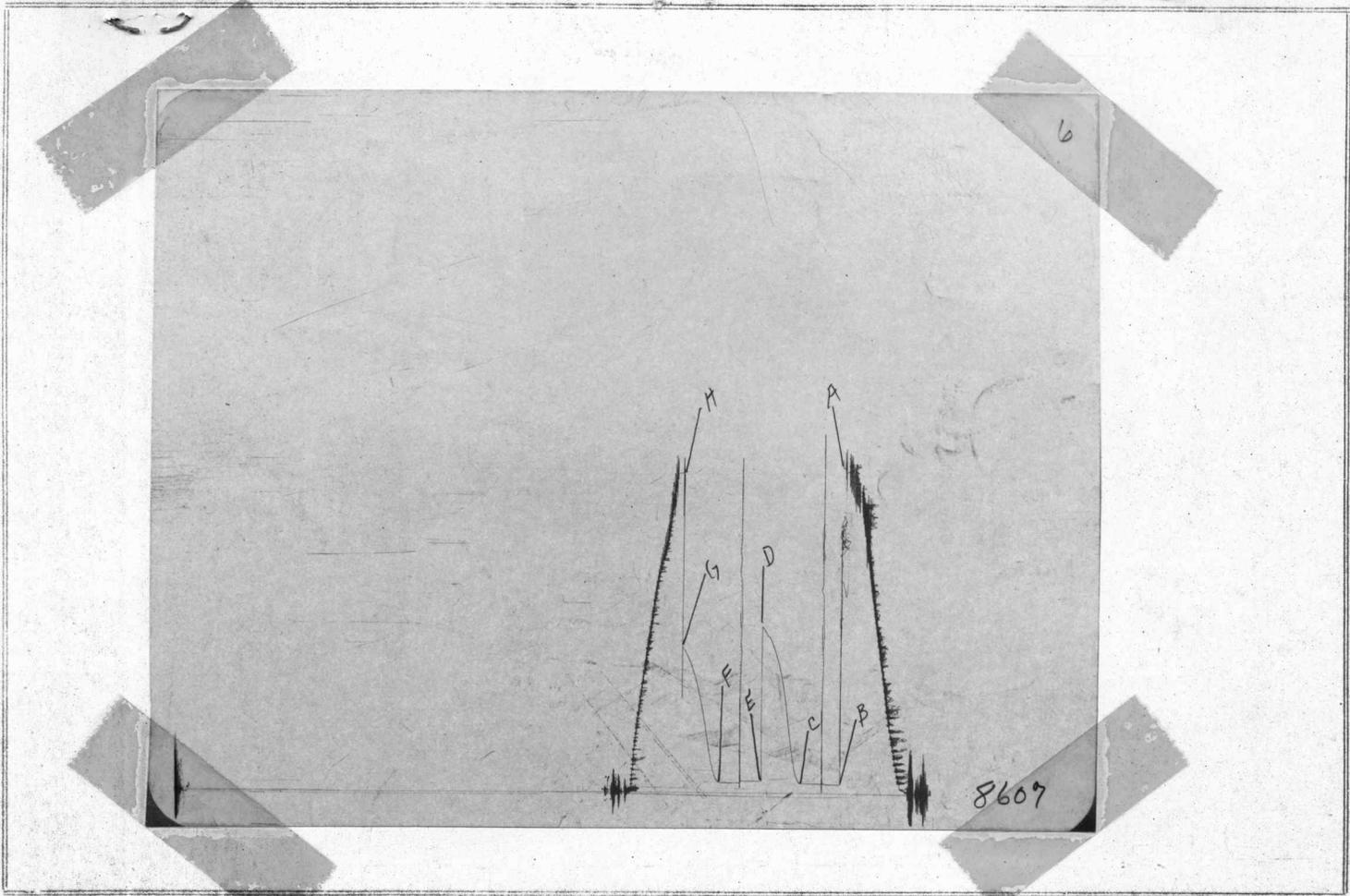
RECOVERY

WEAK BLOW FOR 5 MINUTES. FLUSHED TOOL 15 MINUTES AFTER EACH OPENING. NO BLOW.

25 FEET OF MUD.

Lease and Well No. Shaffer #1 31 13S 12W G.S/2 N/2 NE/4

Formation Test No. 1



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

	Field Reading	Corrected Reading
(A) Initial Hydrostatic Pressure	1784	1693
(B) Initial 1st Flow Pressure	46	46
(C) Final 1st Flow Pressure	55	49
(D) Initial Shut-in Pressure	860	867
(E) Initial 2nd Flow Pressure	64	62
(F) Final 2nd Flow Pressure	55	51
(G) Final Shut-in Pressure	759	756
(H) Final Hydrostatic Pressure	1756	1665

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Lease and Well No. SHAFFER #1

County RUSSELL State KANSAS Date MAY 24, 1967

Formation Test No. 2 Total Depth 3110 Elev. 1850 KB

Interval Tested 3096 To 3110 Anchor Length 14'

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

Mud Weight 10.2 Viscosity 38 Water Loss 13.6 c.c. Bottom Hole Temp. 102 °F

Chokes: Top 1/2 Bottom 1/2 Ticket No. 8608

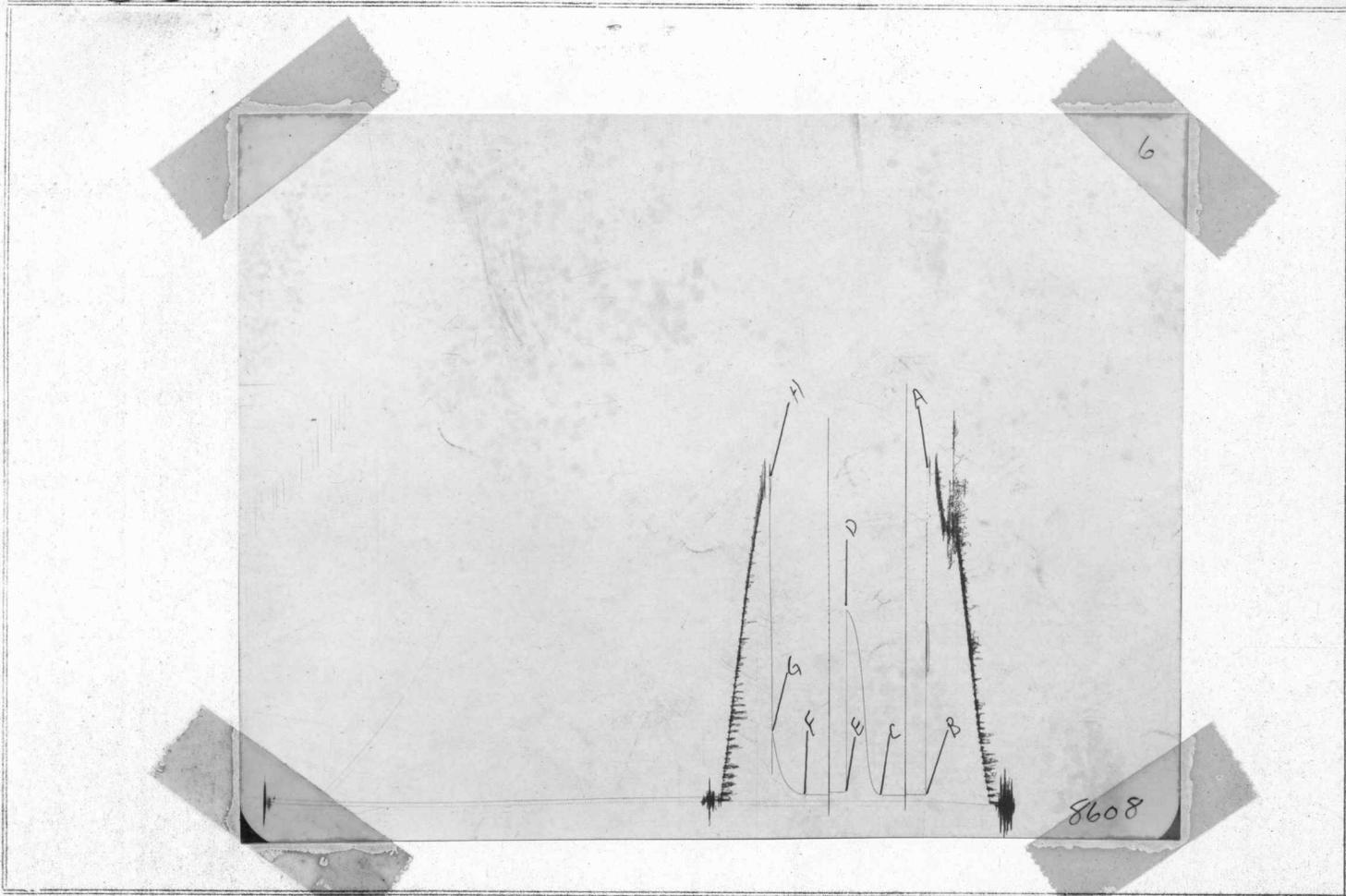
RECOVERY

WEAK BLOW FOR 5 MINUTES. FLUSHED TOOL 15 MINUTES AFTER EACH OPENING. WEAK BLOW 1 MINUTE AFTER FLUSH.

15 FEET OF MUD.

Lease and Well No. SHAFFER #1 31 13S 12W C S/2 N/2 NE/4

Formation Test No. 2



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

	Field Reading	Corrected Reading
(A) Initial Hydrostatic Pressure	<u>1729</u>	<u>1739</u>
(B) Initial 1st Flow Pressure	<u>32</u>	<u>35</u>
(C) Final 1st Flow Pressure	<u>32</u>	<u>35</u>
(D) Initial Shut-in Pressure	<u>983</u>	<u>994</u>
(E) Initial 2nd Flow Pressure	<u>46</u>	<u>46</u>
(F) Final 2nd Flow Pressure	<u>37</u>	<u>35</u>
(G) Final Shut-in Pressure	<u>366</u>	<u>366</u>
(H) Final Hydrostatic Pressure	<u>1711</u>	<u>1711</u>

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Lease and Well No. SHAFFER #1

County RUSSELL State KANSAS Date MAY 25, 1967

Formation Test No. 3 Total Depth 3350 Elev. 1850 KB

Interval Tested 3334 To 3344 Anchor Length 10' between packer.

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

Mud Weight 10 Viscosity 44 Water Loss 6 c.c. Bottom Hole Temp. 106 °F

Chokes: Top 1/2 Bottom 1/2 Ticket No. 8609

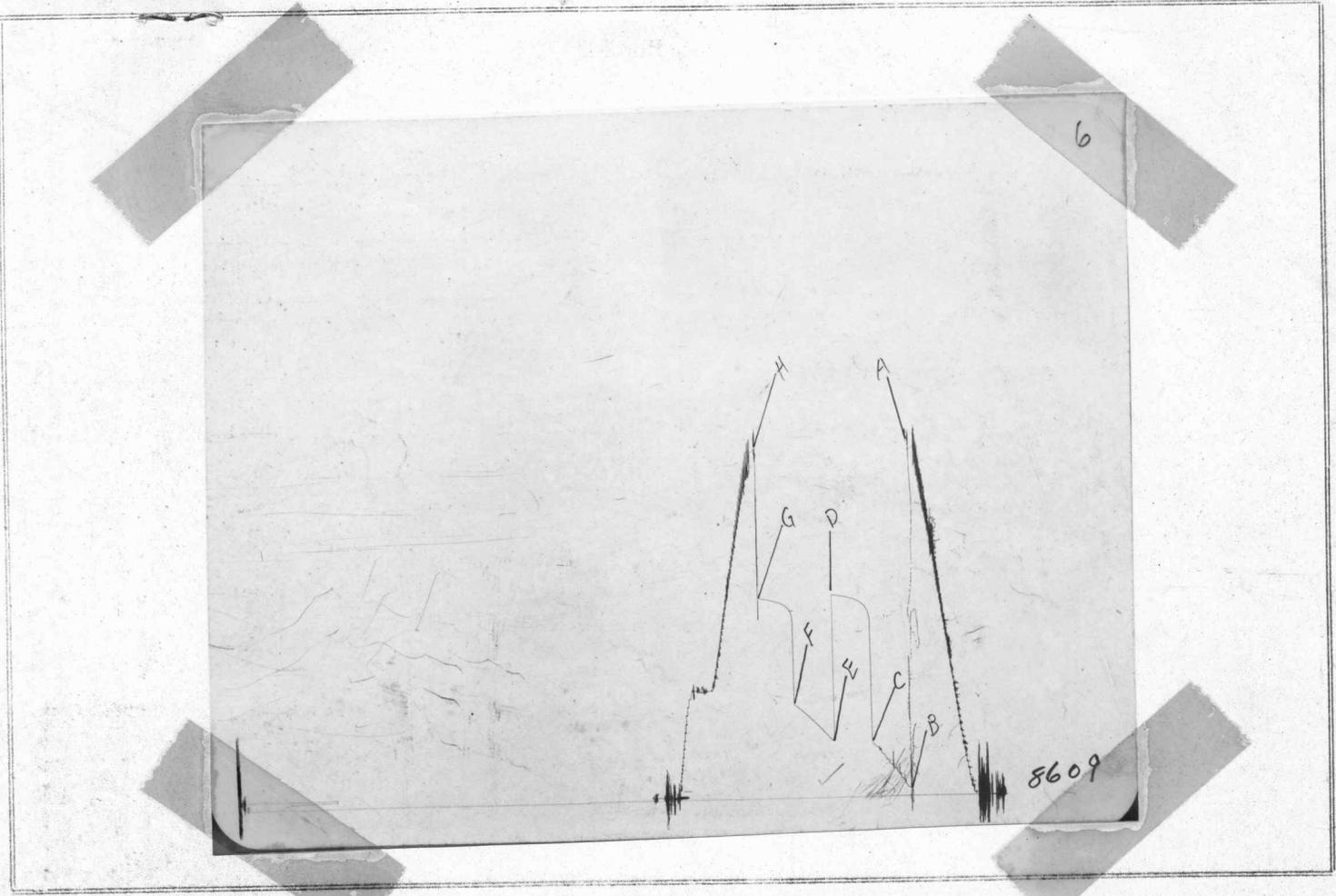
RECOVERY

GOOD BLOW THROUGHOUT TEST.

1005 FEET OF WATER WITH VERY FEW OIL SPECKS IN TOOL.

Lease and Well No. SHAFFER #1 31 13S 12W C S/2 N/2 NE/4

Formation Test No. 3



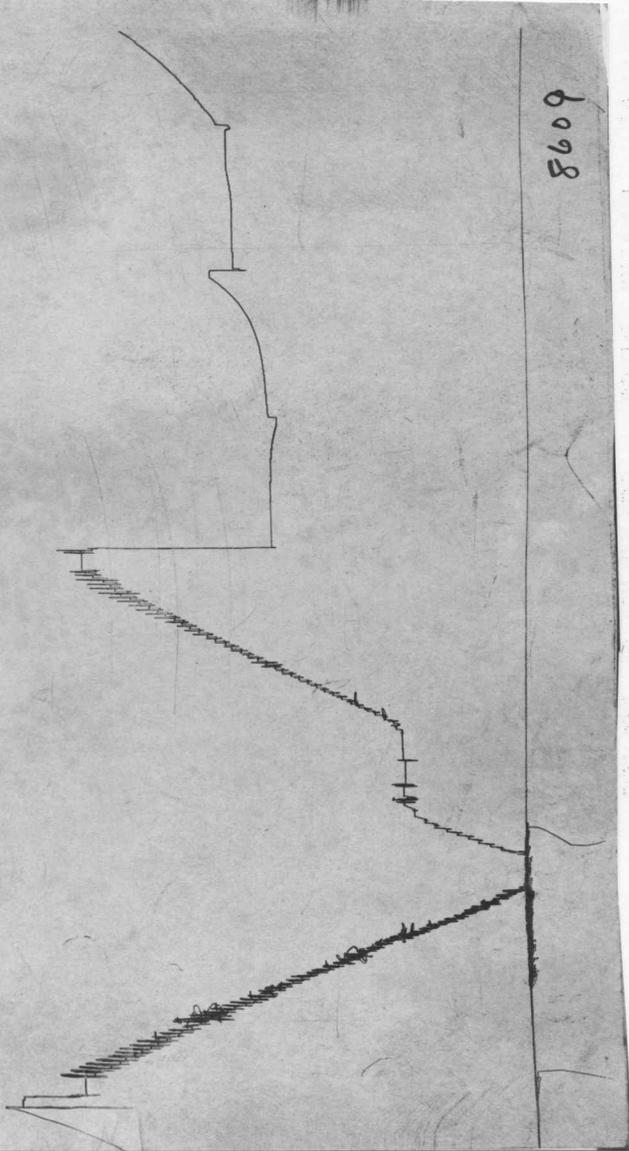
Tool Open: 1st Flow hr. 30 mins: Shut-in Initial hr. 30 min: 2nd Flow hr. 30 min: Shut-in Final hr. 30 min.

	Field Reading	Corrected Reading
(A) Initial Hydrostatic Pressure	<u>1848</u>	<u>1876</u>
(B) Initial 1st Flow Pressure	<u>37</u>	<u>46</u>
(C) Final 1st Flow Pressure	<u>274</u>	<u>293</u>
(D) Initial Shut-in Pressure	<u>1061</u>	<u>1065</u>
(E) Initial 2nd Flow Pressure	<u>293</u>	<u>308</u>
(F) Final 2nd Flow Pressure	<u>494</u>	<u>491</u>
(G) Final Shut-in Pressure	<u>1052</u>	<u>1054</u>
(H) Final Hydrostatic Pressure	<u>1830</u>	<u>1848</u>

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Bottom Chart
Saddle test



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UNIVERSITY OF CALIFORNIA