

THUNDERBIRD DRLG., INC.

TESTING DIVISION

Box 18407

WICHITA, KANSAS

Company Thunderbird Drilling Inc.

Lease and Well No. Jennison "C - 1"

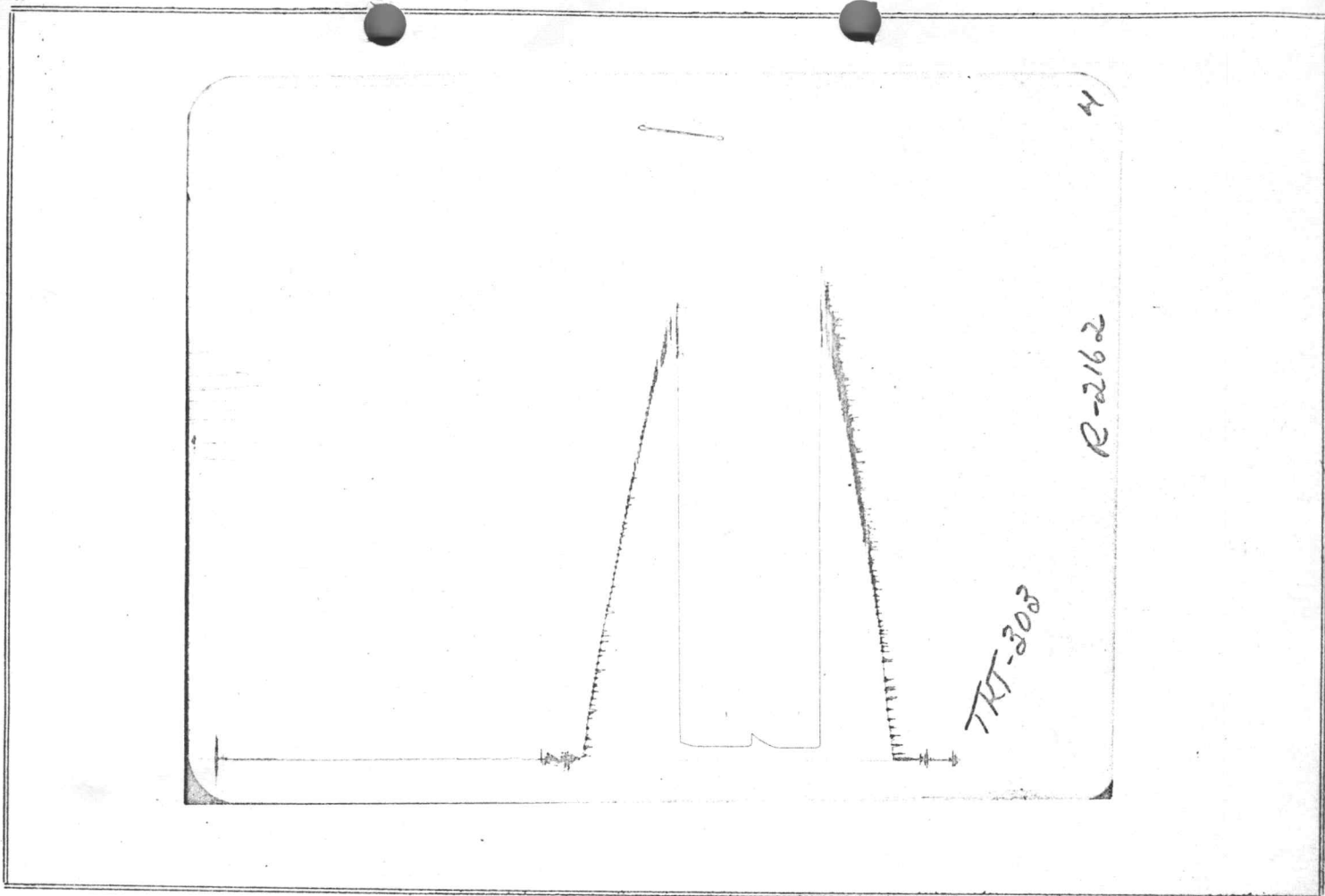
County Lane State Kansas Date 2-3-73

Formation Test No. <u>1</u>	Total Depth <u>4100'</u>	Elev. _____
Interval Tested <u>4034'</u>	To <u>4100'</u>	Anchor Length <u>66'</u>
Size Hole <u>7 7/8"</u>	Size Drill Pipe <u>4 1/2" FH</u>	Size Packer <u>6 3/4"</u>
Mud Weight <u>9.4</u>	Viscosity <u>48</u>	Water Loss <u>5.2</u> c.c. Bottom Hole Temp. <u>115</u> °F
Chokes: Top <u>1/2"</u>	Bottom <u>1/2"</u>	Ticket No. <u>303</u>

RECOVERY

Blow: Weak blow for 15 mins.  
 Recovery: 20' of mud w/trace of oil

Lease and Well No. JENNISON "C - 1" Sec 21 Twn 16-S Rge 29-W NW SW NW  
 Formation Test No. 1



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

	Field Reading	Corrected Reading
(A) Initial Hydrostatic Pressure	2154	2128
(B) Initial 1st Flow Pressure	69	66
(C) Final 1st Flow Pressure	69	67
(D) Initial Shut-in Pressure	147	138
(E) Initial 2nd Flow Pressure	69	73
(F) Final 2nd Flow Pressure	69	73
(G) Final Shut-in Pressure	87	95
(H) Final Hydrostatic Pressure	2137	2119

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Lease and Well No. Jennison "C - 1"

County Lane State Kansas

Date 2-4-73

Formation Test No. 2 Total Depth 4130' Elev. \_\_\_\_\_

Interval Tested 4103' To 4130' Anchor Length 27'

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

Mud Weight 9.4 Viscosity 48 Water Loss 5.2 c.c. Bottom Hole Temp. 115 °F

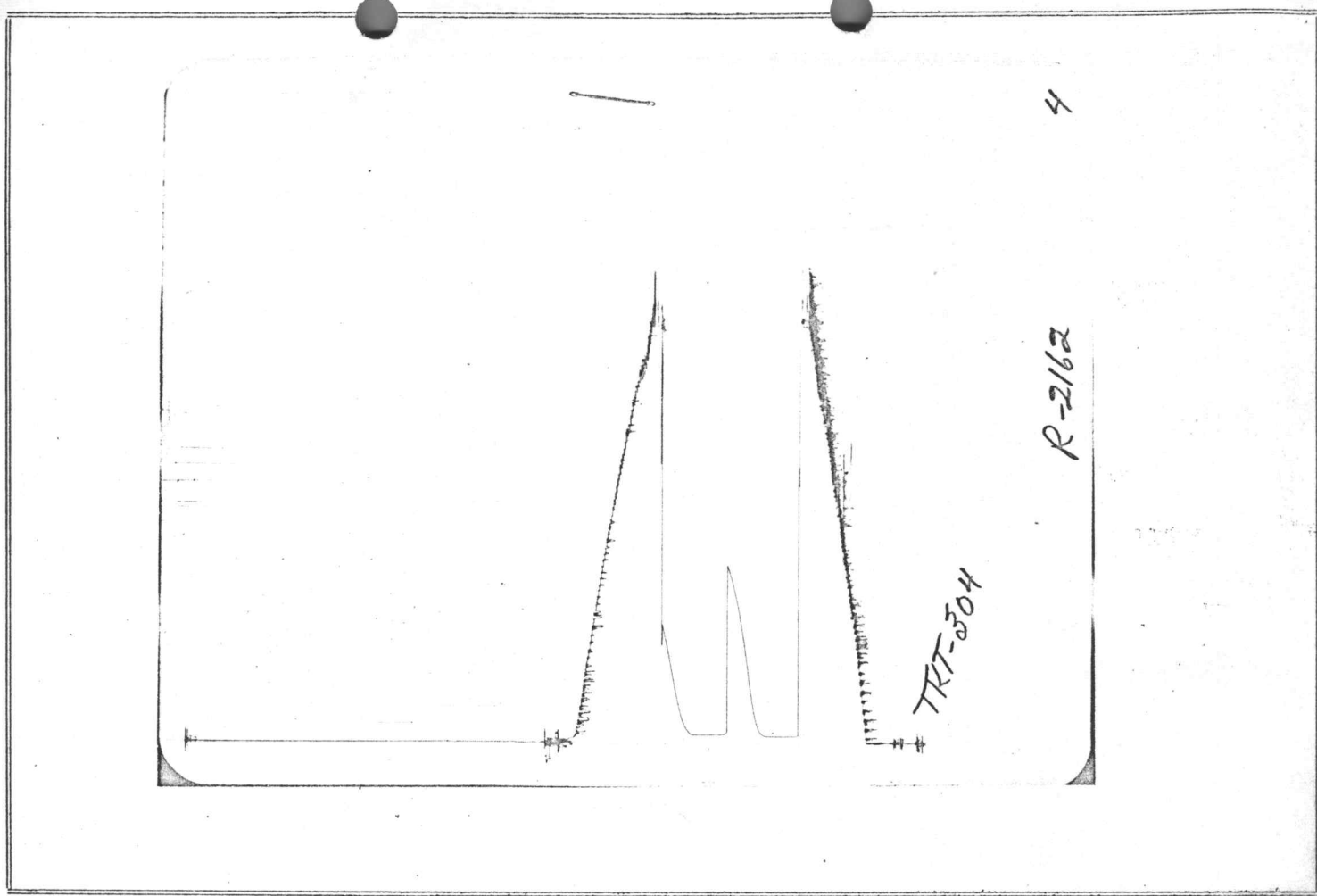
Chokes: Top 1/2" Bottom 1/2" Ticket No. 304

RECOVERY

Blow: Weak blow for 4 mins.

Recovery: 15' of mud

Lease and Well No. JENNISON "C - 1" Sec 21 Twn 16-S Rg 29-W NW SW NW  
Formation Test No. 2



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

	Field Reading	Corrected Reading
(A) Initial Hydrostatic Pressure	2172	2180
(B) Initial 1st Flow Pressure	39	36
(C) Final 1st Flow Pressure	39	36
(D) Initial Shut-in Pressure	882	882
(E) Initial 2nd Flow Pressure	52	47
(F) Final 2nd Flow Pressure	52	47
(G) Final Shut-in Pressure	588	588
(H) Final Hydrostatic Pressure	2137	2172

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Lease and Well No. Jennison "C - 1"

County Lane State Kansas Date 2-5-73

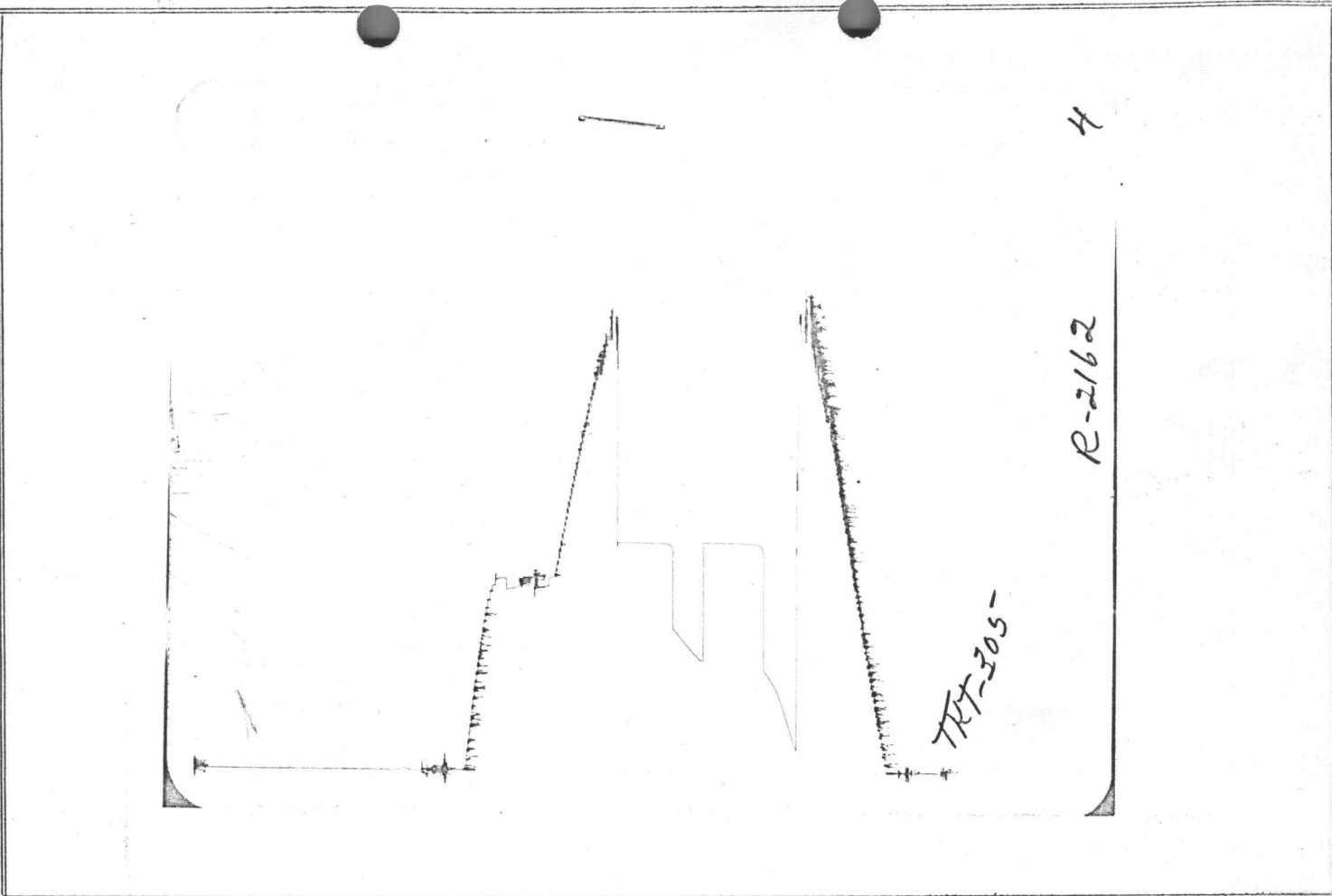
Formation Test No. 3 Total Depth 4170' Elev. \_\_\_\_\_  
 Interval Tested 4134' To 4170' Anchor Length 36'  
 Size Hole 7 7/8" Size Drill Pipe 4 1/2" FH Size Packer 6 3/4"  
 Mud Weight 9.4 Viscosity 43 Water Loss 5.6 c.c. Bottom Hole Temp. 115 ° F  
 Chokes: Top 1/2" Bottom 1/2" Ticket No. 305

RECOVERY

Blow: Good blow thru-out test.  
 Recovery: 1590' of clean gassy oil (29 Gravity)  
 120' of muddy gassy oil

Lease and Well No. JENNISON "C - 1" Sec 21 Twn 16-S Rg 29-W NW SW NW  
 Formation Test No. 3





Tool Open: 1st Flow 30 hr. 30 mins: Shut-in Initial 45 hr. 45 min: 2nd Flow 30 hr. 30 min: Shut-in Final 45 hr. 45 min.

	Field Reading	Corrected Reading
(A) Initial Hydrostatic Pressure	2172	2180
(B) Initial 1st Flow Pressure	104	104
(C) Final 1st Flow Pressure	493	502
(D) Initial Shut-in Pressure	1116	1116
(E) Initial 2nd Flow Pressure	536	545
(F) Final 2nd Flow Pressure	701	704
(G) Final Shut-in Pressure	1116	1116
(H) Final Hydrostatic Pressure	2154	2172

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 Box 18407  
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Lease and Well No. Jennison "C - 1"

County Lane State Kansas Date 2-6-73

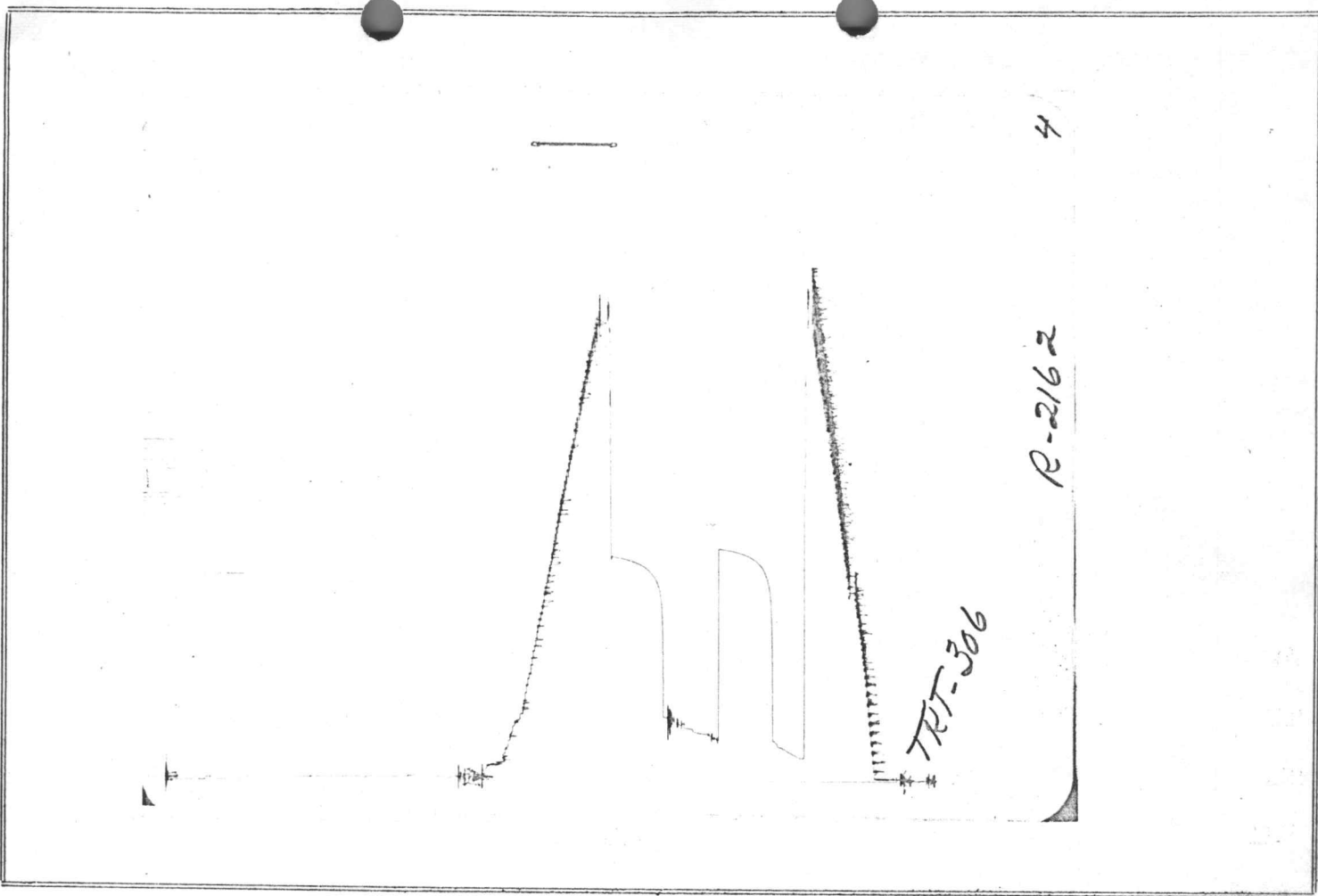
Formation Test No. <u>4</u>	Total Depth <u>4330'</u>	Elev. _____
Interval Tested <u>4209'</u>	To <u>4330'</u>	Anchor Length <u>121'</u>
Size Hole <u>7 7/8"</u>	Size Drill Pipe <u>4 1/2" FH</u>	Size Packer <u>6 3/4"</u>
Mud Weight <u>9.4</u>	Viscosity <u>53</u>	Water Loss <u>5.8</u> c.c. Bottom Hole Temp. <u>120</u> °F
Chokes: Top <u>1/2"</u>	Bottom <u>1/2"</u>	Ticket No. <u>306</u>

**RECOVERY**

**Blow:** Fair blow thru-out test

**Recovery:** 420' of thin mud  
 Slight plugging on 2nd flow period.

Lease and Well No. JENNISON "C - 1" Sec 21 Twn 16-S Rg 29-W NW SW NW  
 Formation Test No. 4



Tool Open: 1st Flow hr. 30 mins: Shut-in Initial hr. 45 min: 2nd Flow hr. 45 min: Shut-in Final hr. 45 min.

	Field Reading	Corrected Reading
(A) Initial Hydrostatic Pressure	<u>2434</u>	<u>2294</u>
(B) Initial 1st Flow Pressure	<u>121</u>	<u>114</u>
(C) Final 1st Flow Pressure	<u>199</u>	<u>199</u>
(D) Initial Shut-in Pressure	<u>1159</u>	<u>1151</u>
(E) Initial 2nd Flow Pressure	<u>199</u>	<u>199</u>
(F) Final 2nd Flow Pressure	<u>311</u>	<u>317</u>
(G) Final Shut-in Pressure	<u>1107</u>	<u>1114</u>
(H) Final Hydrostatic Pressure	<u>2400</u>	<u>2285</u>

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County Lane State Kansas Date 2-7-73

Formation Test No. 307 Total Depth 4425' Elev. \_\_\_\_\_

Interval Tested 4361' To 4425' Anchor Length 64'

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

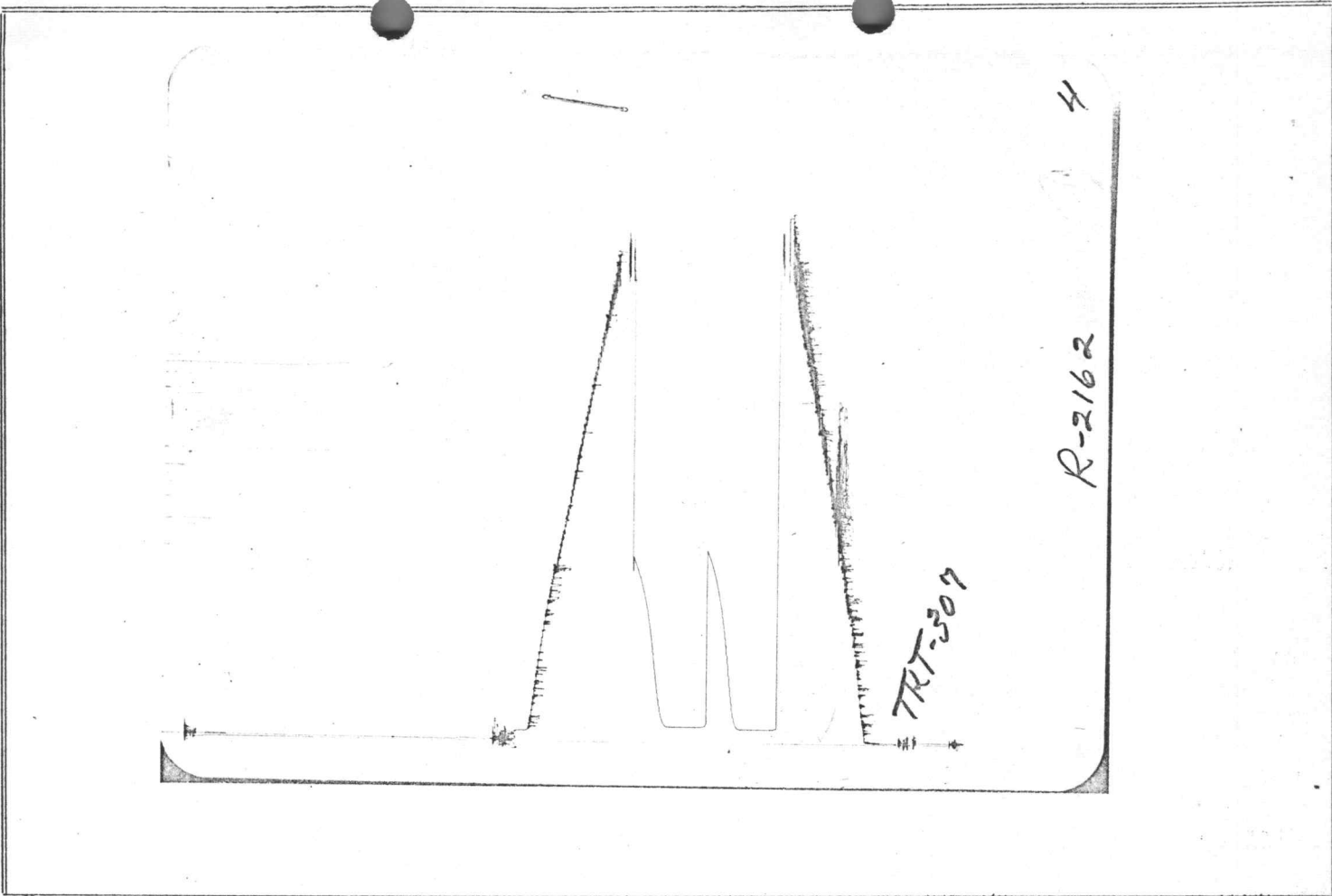
Mud Weight 10.2 Viscosity 5 1/2 Water Loss 6 c.c. Bottom Hole Temp. 120 ° F

Chokes: Top 1/2" Bottom 1/2" Ticket No. 307

RECOVERY

Blow: Weak blow for 8 mins.  
Recovery: 50' of mud w/spots of oil.

Lease and Well No. JENNISON "C - 1" Sec 21 Twn 16-S Rg 29-W NW SW NW Formation Test No. 5



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

	Field Reading	Corrected Reading
(A) Initial Hydrostatic Pressure	<u>2435</u>	<u>2391</u>
(B) Initial 1st Flow Pressure	<u>52</u>	<u>69</u>
(C) Final 1st Flow Pressure	<u>61</u>	<u>69</u>
(D) Initial Shut-in Pressure	<u>943</u>	<u>943</u>
(E) Initial 2nd Flow Pressure	<u>69</u>	<u>78</u>
(F) Final 2nd Flow Pressure	<u>69</u>	<u>78</u>
(G) Final Shut-in Pressure	<u>900</u>	<u>908</u>
(H) Final Hydrostatic Pressure	<u>2435</u>	<u>2382</u>