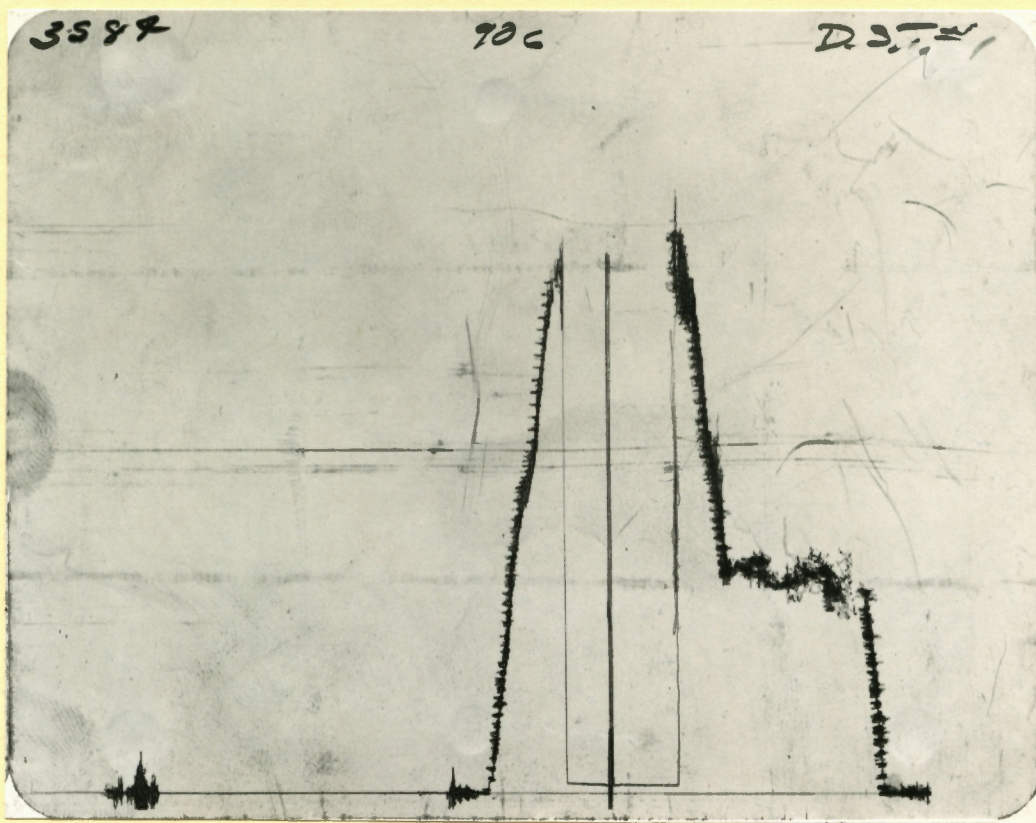


3587

70c

D.S.T. #1



SUPERIOR TESTERS, INC.

433 SOUTH WESTVIEW, DERBY, KANSAS

Date 4/1/76 Ticket No. 3584 Elevation 2514 KB

Total Depth 3730 Tested From 3710 To 3730 Formation Tested Kansas City

Blow Weak blow for 5 minutes and died

Mud Wt. 9.6 Viscosity 39 Bottom Hole Temp 111

Size Bottom Choke 1/2" Size Top Choke 1/2"

Size Drill Pipe 4 1/2" FH Size Hole 7 7/8" Length Air Chamber - Ft.

Tool Open Hr 20 Min Initial Shut in Time 20 Min Tool Open Hr 20 Min Final Shut in Time 20 Min

Recovery 30' of mud

Office Corrected Pressure Reading

Initial Shut in Pressure 29 Lbs

Initial Flow Pressure 29 Lbs

Final Flow Pressure 29 Lbs

Final Shut in Pressure 36 Lbs

Initial Hydrostatic Pressure 1853 Lbs

Final Hydrostatic Pressure 1839 Lbs

Remarks

Witnessed By

Tool Operator R. E. Budig

Location SW, SE, SE 3-7S-25W

County Graham

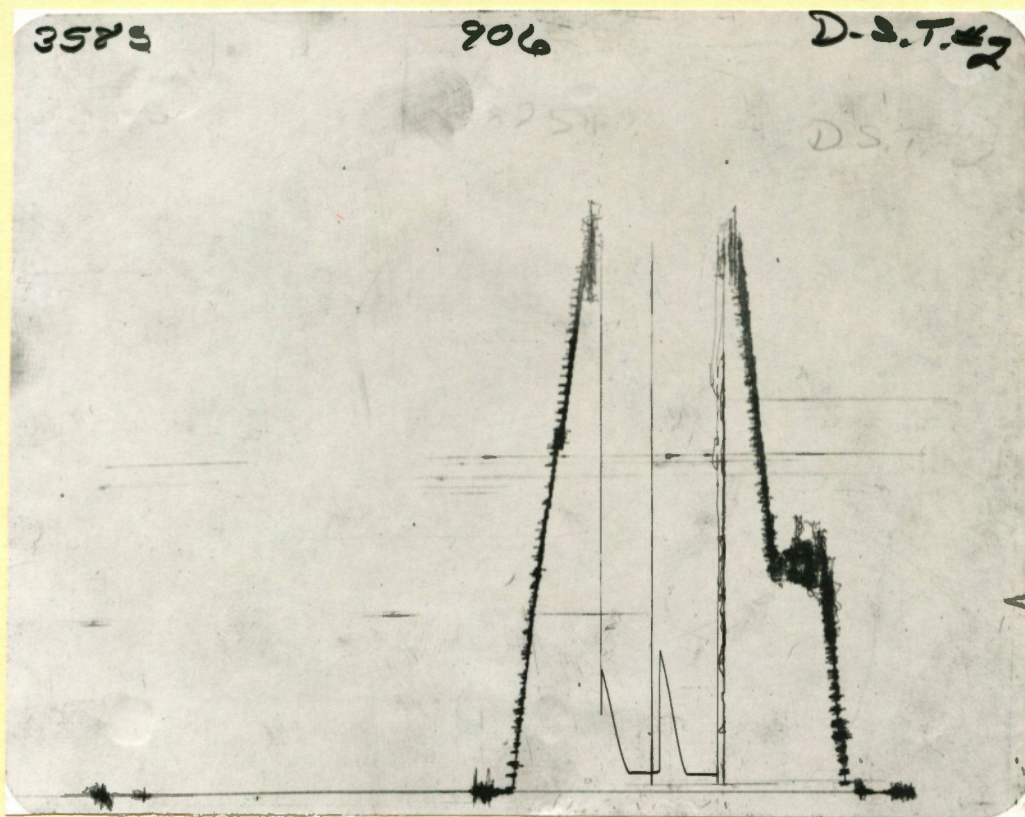
State Kansas

Name of Lease Dugan

Well No. 1

Test No. 1

F & M Oil Company



SUPERIOR TESTERS, INC.

433 SOUTH WESTVIEW, DERBY, KANSAS

Date 4/2/76 Ticket No. 3585 Elevation 2514 KB

Total Depth 3760 Tested From 3728 To 3760 Formation Tested Kansas City

Blow Weak blow for 3 minutes and died

Mud Wt. 9.6 Viscosity 39 Bottom Hole Temp 111

Size Bottom Choke 1/2" Size Top Choke 1/2"

Size Drill Pipe 4 1/2" FH Size Hole 7 7/8" Length Air Chamber - Ft.

Tool Open - Hr 20 Min Initial Shut in Time 20 Min Tool Open - Hr 20 Min Final Shut in Time 20 Min

Recovery 75' of mud

Office Corrected Pressure Reading

Initial Shut in Pressure 524 Lbs

Initial Flow Pressure 66 Lbs

Final Flow Pressure 66 Lbs

Final Shut in Pressure 451 Lbs

Initial Hydrostatic Pressure 1933 Lbs

Final Hydrostatic Pressure 1918 Lbs

Remarks Slide tool 7' to bottom- flushed tool on second opening

Witnessed By E. A. Falkowski

Tool Operator R. E. Budig

Location SW, SE, SE 3-7S-25W

County Graham

State Kansas

Dugan
Name of Lease

Well No. 1

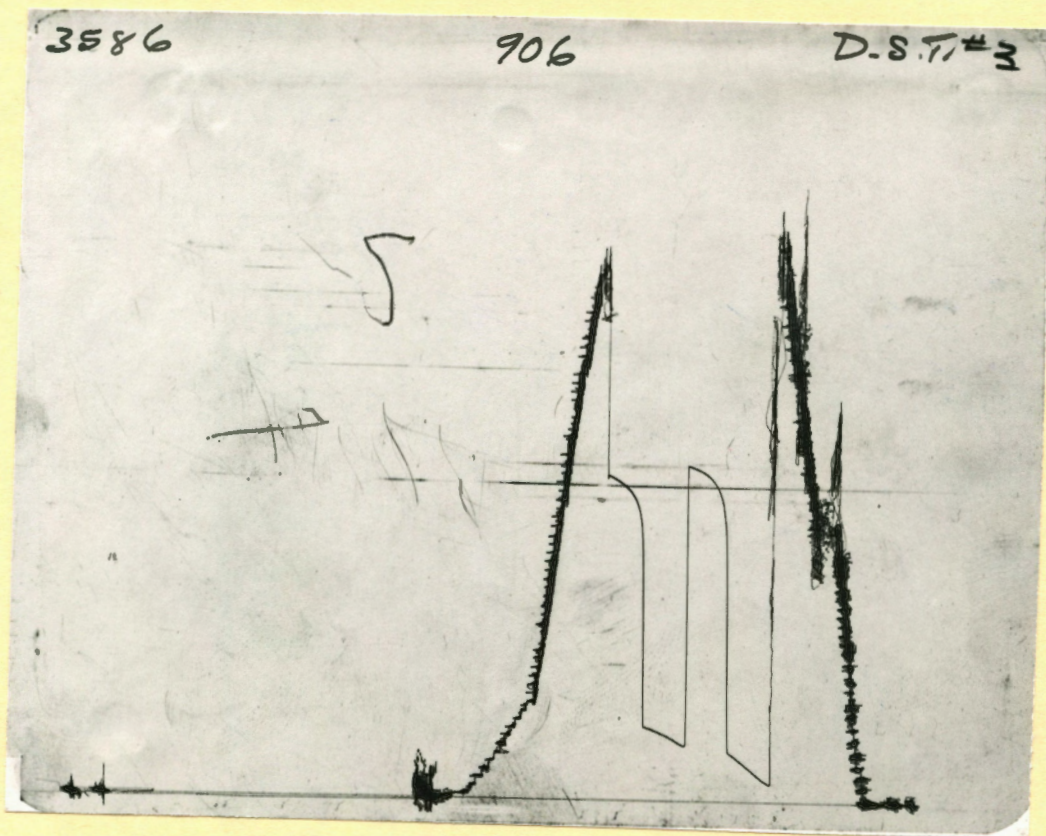
Test No. 2

F & M Oil Company
Company

3586

906

D.S.T. #3



SUPERIOR TESTERS, INC.

433 SOUTH WESTVIEW, DERBY, KANSAS

Date 4/2/76 Ticket No. 3586 Elevation 2514 KB

Total Depth 3780 Tested From 3755 To 3780 Formation Tested Kansas City

Blow Good blow through out test

Mud Wt. 9.7 Viscosity 43 Bottom Hole Temp 112

Size Bottom Choke 1/2" Size Top Choke 1/2"

Size Drill Pipe 4 1/2" FH Size Hole 7 7/8" Length Air Chamber - Ft.

Tool Open Hr 30 Min Initial Shut in Time 30 Min Tool Open Hr 30 Min Final Shut in Time 30 Min

Recovery <u>300' of clean gassy oil, 60'</u>	Office Corrected Pressure Reading Initial Shut in Pressure <u>1281</u> Lbs Initial Flow Pressure <u>66</u> Lbs Final Flow Pressure <u>281</u> Lbs Final Shut in Pressure <u>1244</u> Lbs Initial Hydrostatic Pressure <u>2026</u> Lbs Final Hydrostatic Pressure <u>2005</u> Lbs
<u>of heavy oil & gas cut mud, 340' of</u>	
<u>240' of clean gassy oil, 120' of</u>	
<u>heavy oil & gas cut mud-</u>	
<u>TOTAL - 540' of clean gassy oil, 180'</u>	
<u>of heavy oil & gas cut mud. 33 Gravity</u>	
Remarks <u>240' of gas in pipe</u> Witnessed By _____ Tool Operator <u>R. E. Budig</u>	

Location SW, SE, SE 3-7S-25W

County Graham

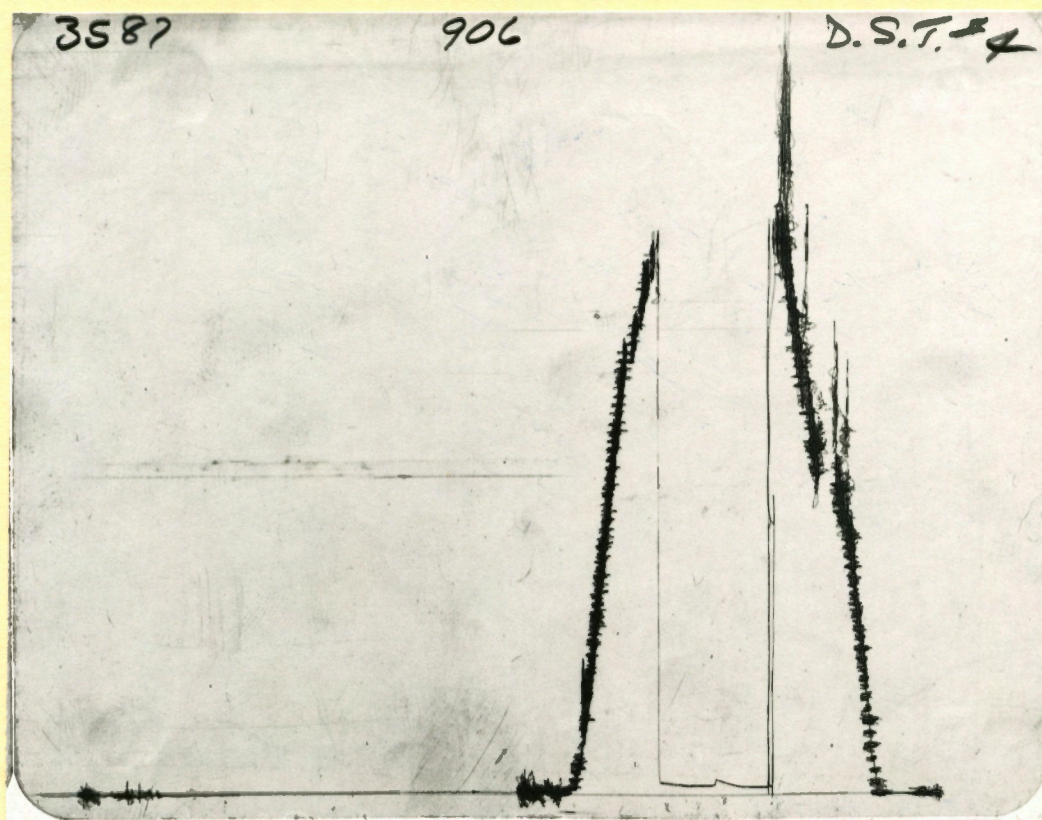
State Kansas

Dugan
Name of Lease

Well No. 1

Test No. 3

F & M Oil Company



SUPERIOR TESTERS, INC.

433 SOUTH WESTVIEW, DERBY, KANSAS

Date 4/3/76 Ticket No. 3587 Elevation 2514 KB

Total Depth 3825 Tested From 3800 To 3825 Formation Tested Kansas City

Blow Weak blow for 2 minutes

Mud Wt. 9.9 Viscosity 41 Bottom Hole Temp 112

Size Bottom Choke 1/2" Size Top Choke 1/2"

Size Drill Pipe 4 1/2" FH Size Hole 7 7/8" Length Air Chamber - Ft.

Tool Open - Hr 20 Min Initial Shut in Time 20 Min Tool Open - Hr 20 Min Final Shut in Time 20 Min

Recovery 30' of slightly oil cut mud
with a good show of free oil on the
tool

Office Corrected Pressure Reading

Initial Shut in Pressure 51 Lbs
Initial Flow Pressure 22 Lbs
Final Flow Pressure 29 Lbs
Final Shut in Pressure 44 Lbs
Initial Hydrostatic Pressure 2071 Lbs
Final Hydrostatic Pressure 2056 Lbs

Remarks Flushed tool on first opening - no help

Witnessed By E. A. Falkowski

Tool Operator R. E. Budig

Location SW, SE, SE 3-7S-25W

Name of Lease Dugan

Well No. 1

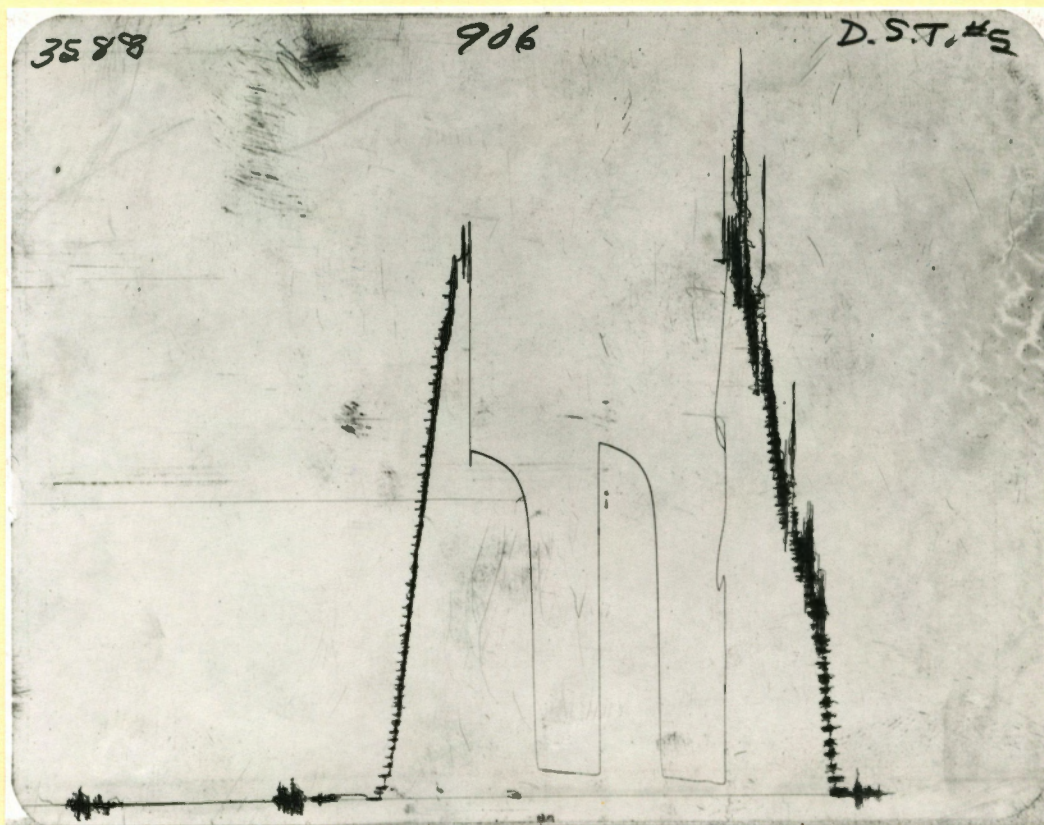
Test No. 4

F & M Oil Company

Company

County Graham

State Kansas



SUPERIOR TESTERS, INC.

433 SOUTH WESTVIEW, DERBY, KANSAS

Date 4/4/76 Ticket No. 3588 Elevation 2514 KB

Total Depth 3858 Tested From 3825 To 3858 Formation Tested Kansas City

Blow Weak blow through out test

Mud Wt. 9.7 Viscosity 47 Bottom Hole Temp 113

Size Bottom Choke 1/2" Size Top Choke 1/2"

Size Drill Pipe 4 1/2" FH Size Hole 7 7/8" Length Air Chamber - Ft.

Tool Open Hr 45 Min Initial Shut in Time 45 Min Tool Open Hr 45 Min Final Shut in Time 45 Min

Recovery 165' of oil cut mud

Office Corrected Pressure Reading

Initial Shut in Pressure 1331 Lbs

Initial Flow Pressure 36 Lbs

Final Flow Pressure 96 Lbs

Final Shut in Pressure 1310 Lbs

Initial Hydrostatic Pressure 2042 Lbs

Final Hydrostatic Pressure 2027 Lbs

Remarks _____

Witnessed By E. A. Falkowski

Tool Operator R. E. Budig

Location SW, SE, SE 3-7S-25 W

County Graham

State Kansas

Dugan
Name of Lease

Well No. 1

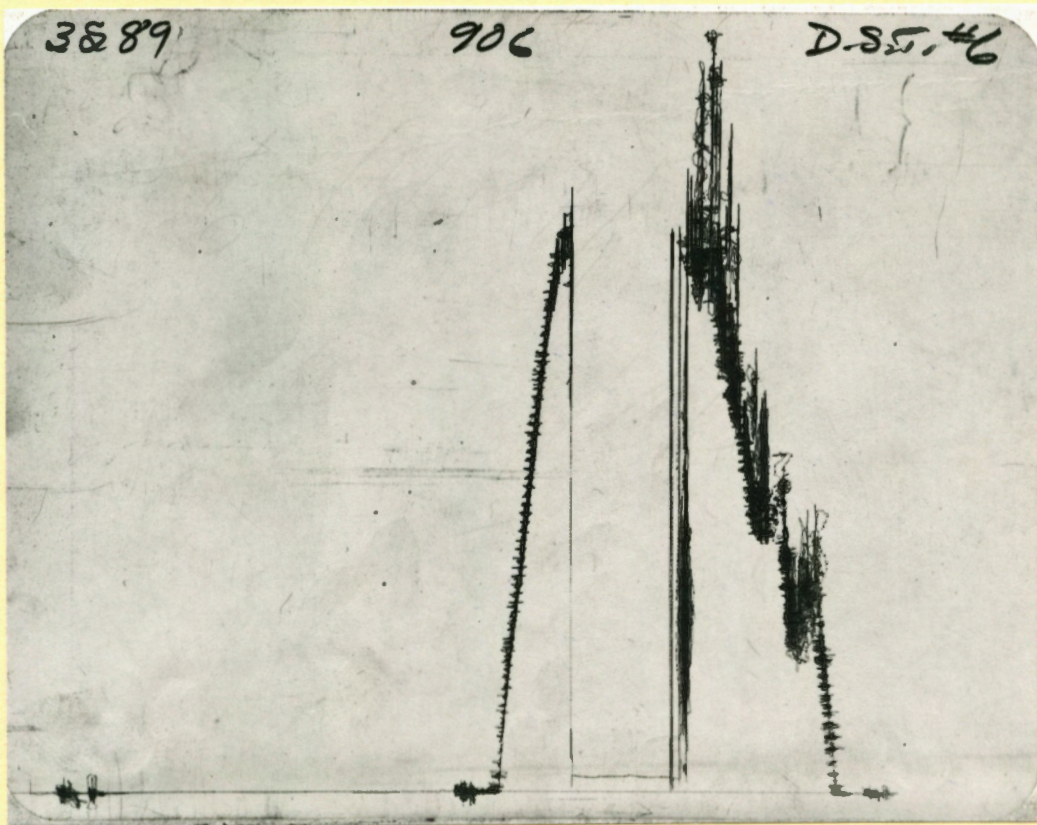
Test No. 5

F & M Oil Company
Company

3589

906

D.S. #6



SUPERIOR TESTERS, INC.

433 SOUTH WESTVIEW, DERBY, KANSAS

Date 4/4/76 Ticket No. 3589 Elevation 2514 KB

Total Depth 3875 Tested From 3863 To 3875 Formation Tested Kansas City

Blow Weak blow for 2 minutes

Mud Wt. 9.7 Viscosity 47 Bottom Hole Temp 114

Size Bottom Choke 1/2" Size Top Choke 1/2"

Size Drill Pipe 4 1/2" FH Size Hole 7 7/8" Length Air Chamber - Ft.

Tool Open Hr 20 Min Initial Shut in Time 20 Min Tool Open Hr 20 Min Final Shut in Time 20 Min

Recovery 40' of mud

Office Corrected Pressure Reading

Initial Shut in Pressure 66 Lbs

Initial Flow Pressure 44 Lbs

Final Flow Pressure 51 Lbs

Final Shut in Pressure 59 Lbs

Initial Hydrostatic Pressure 2071 Lbs

Final Hydrostatic Pressure 2063 Lbs

Remarks Slide tool 10' to bottom

Witnessed By E. A. Falkowski

Tool Operator R. E. Budig

Location SW, SE, SE 3-7S-25W

County Graham

State Kansas

Dugan
Name of Lease

Well No. 1

Test No. 6

F & M Oil Company
Company