

SUPERIOR TESTERS, INC.

433 SOUTH WESTVIEW, DERBY, KANSAS

Date 10/18/73 Ticket No. 2863 Elevation 1726 KB

Total Depth 2130 Tested From 2108 To 2130 Formation Tested Tarkio

Blow Fair blow through out test

Mud Wt. 9.7 Viscosity 36 Bottom Hole Temp -

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

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

Initial Shut in Time 60 Min Tool Open 2 Hr - Min Final Shut in Time 60 Min

Recovery 1000' of gas in drill pipe,

30' of gas cut mud

Office Corrected Pressure Reading

Initial Shut in Pressure 616 Lbs

Initial Flow Pressure 21 Lbs

Final Flow Pressure 47 Lbs

Final Shut in Pressure 553 Lbs

Initial Hydrostatic Pressure 1174 Lbs

Final Hydrostatic Pressure 1168 Lbs

Remarks _____

Witnessed By Richard M. Foley

Tool Operator R. L. Budig

Location E₁, E₁, SE 16-14S-10W

County Ellsworth

State Kansas

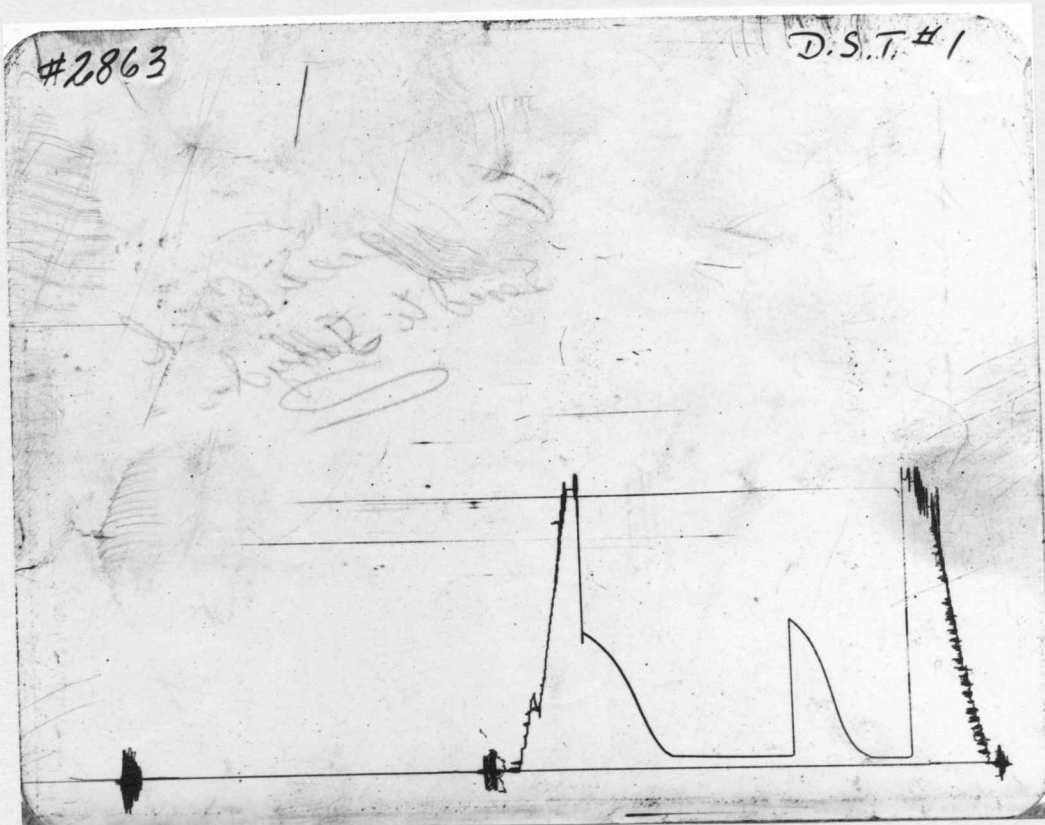
Name of Lease K. Vopat

Well No. A-6 Test No. 1

Company L. G. Stephenson

#2863

D.S.T. #1



SUPERIOR TESTERS, INC.

433 SOUTH WESTVIEW, DERBY, KANSAS

Date 10/18/73 Ticket No. 2864 Elevation 1726 WB

Total Depth 2480 Tested From 2445 To 2480 . Formation Tested Topeka

Blow Fair blow through out test

Mud Wt. 10 Viscosity 38 Bottom Hole Temp 93

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

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

Initial Shut in Time 30 Min Tool Open 1 Hr - Min Final Shut in Time 30 Min

Recovery 240' of gas in pipe,
30' of mud with few oil specks

Office Corrected Pressure Reading

Initial Shut in Pressure 118 Lbs

Initial Flow Pressure 34 Lbs

Final Flow Pressure 34 Lbs

Final Shut in Pressure 94 Lbs

Initial Hydrostatic Pressure 1367 Lbs

Final Hydrostatic Pressure 1358 Lbs

Remarks Flushed tool

Witnessed By Richard M. Foley

Tool Operator R. L. Budig

Location El, El, SE 16-14S-10W

County Ellsworth

State Kansas

Name of Lease K. Vopat

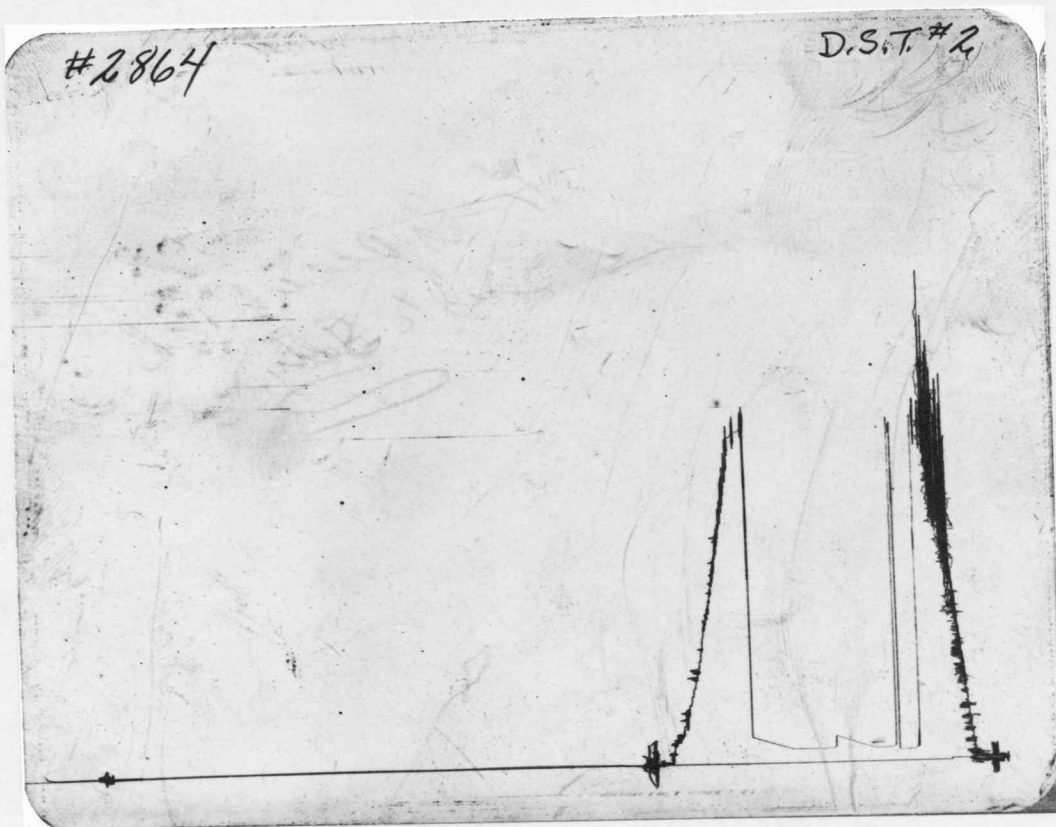
Well No. A-6

Test No. 2

Company L. G. Stephenson

#2864

D.S.T. #2



SUPERIOR TESTERS, INC.

433 SOUTH WESTVIEW, DERBY, KANSAS

Date 10/20/73 Ticket No. 2865 Elevation 1726 KB

Total Depth 2870 Tested From 2842 To 2870 Formation Tested Kansas City

Blow Strong blow through out test

Mud Wt. 10.5 Viscosity 44 Bottom Hole Temp 102

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

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

Initial Shut in Time 60 Min Tool Open 3 Hr — Min Final Shut in Time 60 Min

Recovery 2600' of gas in drill pipe,

90' very heavy oil & gas cut mud,

120' muddy oil, 400' clean oil,

30' muddy water

Office Corrected Pressure Reading

Initial Shut in Pressure 300 Lbs

Initial Flow Pressure 39 Lbs

Final Flow Pressure 284 Lbs

Final Shut in Pressure 300 Lbs

Initial Hydrostatic Pressure 1658 Lbs

Final Hydrostatic Pressure 1639 Lbs

Remarks _____

Witnessed By Richard M. Foley

Tool Operator R. L. Budig

Location Tr, Tr, SE 16-14S-10W

County Ellsworth

State Kansas

Name of Lease K. Vopat

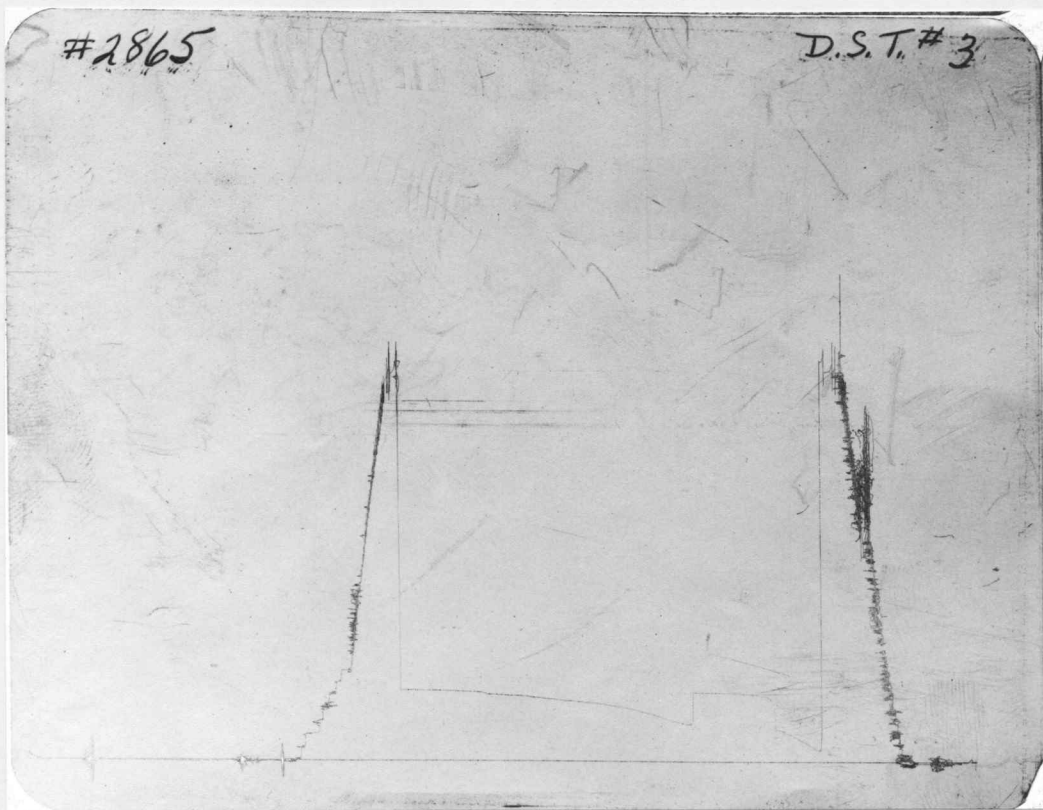
Well No. A-6

Test No. 3

Company L. G. Stephenson

#2865

D.S.T. #3



SUPERIOR TESTERS, INC.

433 SOUTH WESTVIEW, DERBY, KANSAS

Date 10/21/73 Ticket No. 2866 Elevation 1726 KB

Total Depth 2927 Tested From 2905 To 2927 . Formation Tested Kansas City

Blow Weak blow for 7 minutes- weak intermittent blow for 7 minutes

Mud Wt. 10.5 Viscosity 44 Bottom Hole Temp 102

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

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

Initial Shut in Time 30 Min Tool Open 1 Hr Min Final Shut in Time 30 Min

Recovery 20' of mud with a show of
oil

Office Corrected Pressure Reading

Initial Shut in Pressure 331 Lbs

Initial Flow Pressure 20 Lbs

Final Flow Pressure 31 Lbs

Final Shut in Pressure 331 Lbs

Initial Hydrostatic Pressure 1663 Lbs

Final Hydrostatic Pressure 1657 Lbs

Remarks _____

Witnessed By Richard M. Foley

Tool Operator R. L. Budig

Location W1, E1, SE 16-14S-10W

County Ellsworth

State Kansas

Name of Lease K. Vopat

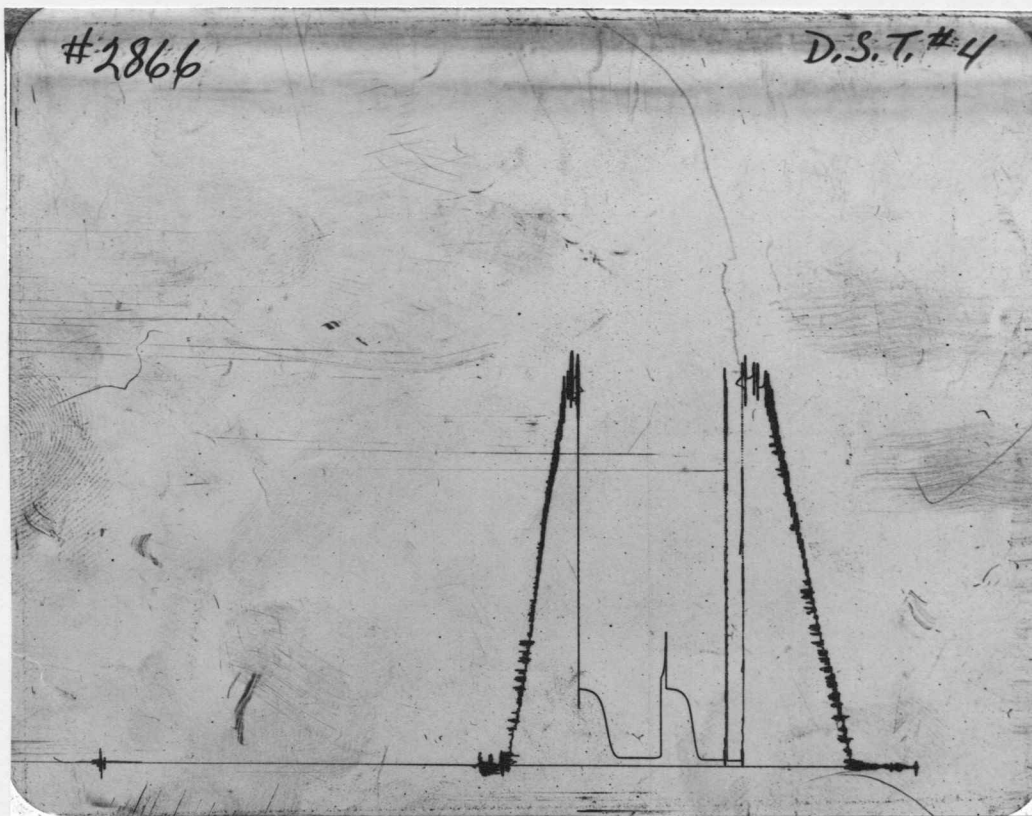
Well No. A-6

Test No. 4

Company L. C. Stephenson

#2866

D.S.T. #4



SUPERIOR TESTERS, INC.

433 SOUTH WESTVIEW, DERBY, KANSAS

Date 10/21/73 Ticket No. 2867 Elevation 1726 KB

Total Depth 2970 Tested From 2927 To 2970 Formation Tested Kansas City

Blow Weak blow for 10 minutes

Mud Wt. 10.5 Viscosity 44 Bottom Hole Temp 103

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

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

Initial Shut in Time 30 Min Tool Open 1 Hr Min Final Shut in Time 30 Min

Recovery 20' of mud with a few specks
of oil

Office Corrected Pressure Reading

Initial Shut in Pressure 363 Lbs

Initial Flow Pressure 39 Lbs

Final Flow Pressure 39 Lbs

Final Shut in Pressure 347 Lbs

Initial Hydrostatic Pressure 1678 Lbs

Final Hydrostatic Pressure 1663 Lbs

Remarks _____

Witnessed By Richard M. Foley

Tool Operator R. L. Budig

Location W1, W2, SE 16-14S-10W

County Ellsworth

State Kansas

Name of Lease K. Vopat

Well No. A-6

Test No. 5

Company L. O. Stephenson

