

Field No. _____
Name of Lease _____

1
Well No. _____

1
Test No. _____

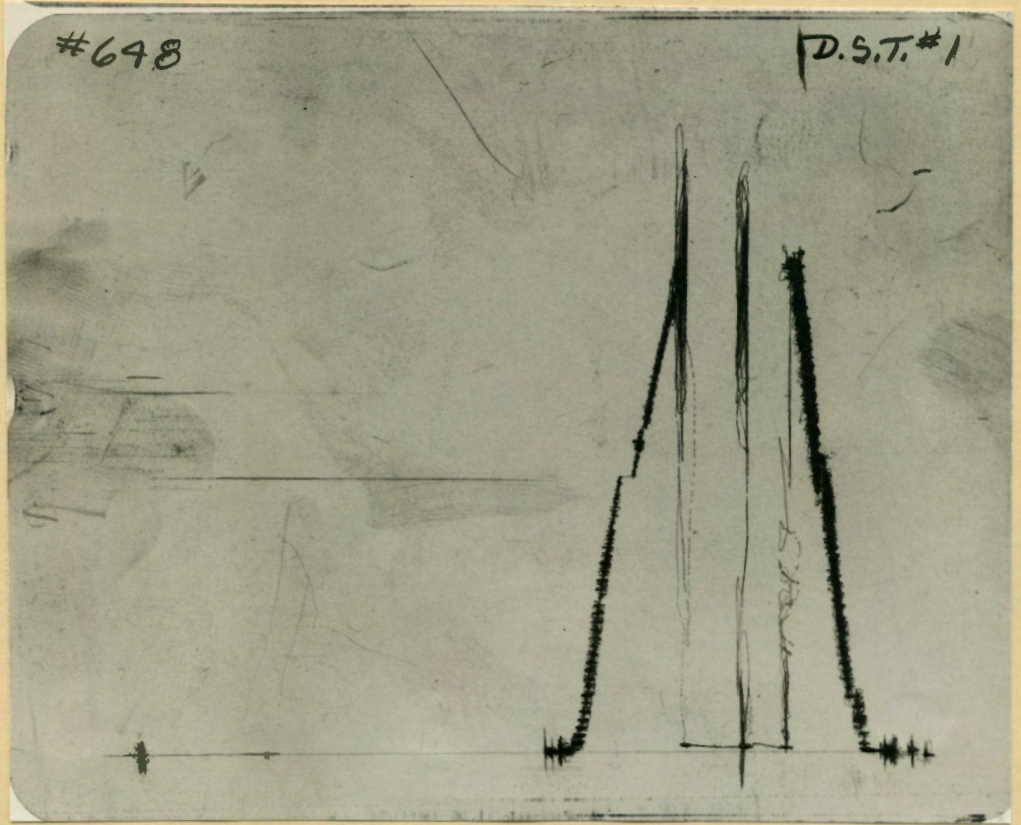
National Associated Petroleum Co.,
Company

SUPERIOR TESTERS, INC.

Formation Testing Service Report

#648

D.S.T. #1



SUPERIOR TESTERS, INC.

433 SOUTH WESTVIEW, DERBY, KANSAS

Date 5/9/65 Ticket No. 648 Elevation 1973 DF

Total Depth 3686 Tested From 3680 To 3686 Formation Tested Arbuckle

Blow Weak blow for 4 minutes

Mud Wt. 10 Viscosity 41 Bottom Hole Temp. -

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

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

Initial Shut in Time 20 Min Tool Open Hr 30 Min Final Shut in Time 20 Min

Recovery 5' of mud

Office Corrected Pressure Reading

Initial Shut in Pressure 49 Lbs

Initial Flow Pressure 8 Lbs

Final Flow Pressure 14 Lbs

Final Shut in Pressure 41 Lbs

Initial Hydrostatic Pressure 1907 Lbs

Final Hydrostatic Pressure 1885 Lbs

Remarks Flushed tool in 5 minutes

Extra Equipment - Jars & Safety Joint

Witnessed By Joe E. McGarran

Tool Operator R. L. Budig

Location 23-19S-16W

Name of Lease Hemlin

Well No. 1

Test No. 1

County Push

State Kansas

National Associated Petroleum Co. Company

SUPERIOR TESTERS, INC.

Central Building • Wichita, Kansas

Date May 9, 1965 Location 23-19-516^W Elevation 1973' D. F.
Company National Associated Petroleum Company
Address Fifth Floor City Building - Tulsa, Oklahoma
Charts mailed to Fifth Floor City Building - Tulsa, Oklahoma Number of Copies 3
Invoice Mailed To Fifth Floor City Building - Tulsa, Oklahoma
Lease Humbert Well No. 1 County Susk
Depth 3686 Tested From 3680' To 3686' Size of Hole 7 7/8"
Size Drill Pipe 4 1/2" Full Hole Size Packer 6 3/4" Length Air Chamber -
Formation Tested Arkuckle Tool Open At 10:20 AM Test No. 1
Initial Shut in Time 20 Min Tool Open - Hr. 30 Min Final Shut in Time 20 Min
Blow weak blow for 4 minutes
Gas to Surface - Min Oil to Surface - Min
Gas Gauged -

Recovery 5' of mud

Remarks Flushed tool in 5 minutes

Initial Shut in Pressure 49 Lbs. Initial Flow Pressure 8 Lbs. Final Flow Pressure 14 Lbs.
Final Shut in Pressure 41 Lbs. Initial Hydrostatic Pressure 1907 Lbs. Final Hydrostatic Pressure 1885 Lbs.

Mud Wt. 10 Viscosity 41

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

Bottom Hole Temperature -

Field or Purchase Order No. -

Extra Equipment Gate and Safety Joint

Price of Job \$390.00 Operator Time - Hrs.

Tool Operator L. L. Rudy

Approved By Joe E. McDanah

SUPERIOR TESTERS, INC. SHALL NOT BE LIABLE FOR DAMAGE OF ANY KIND TO THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

Ticket N^o 648

Langkin
Name of Lease

1
Well No.

2
Test No.

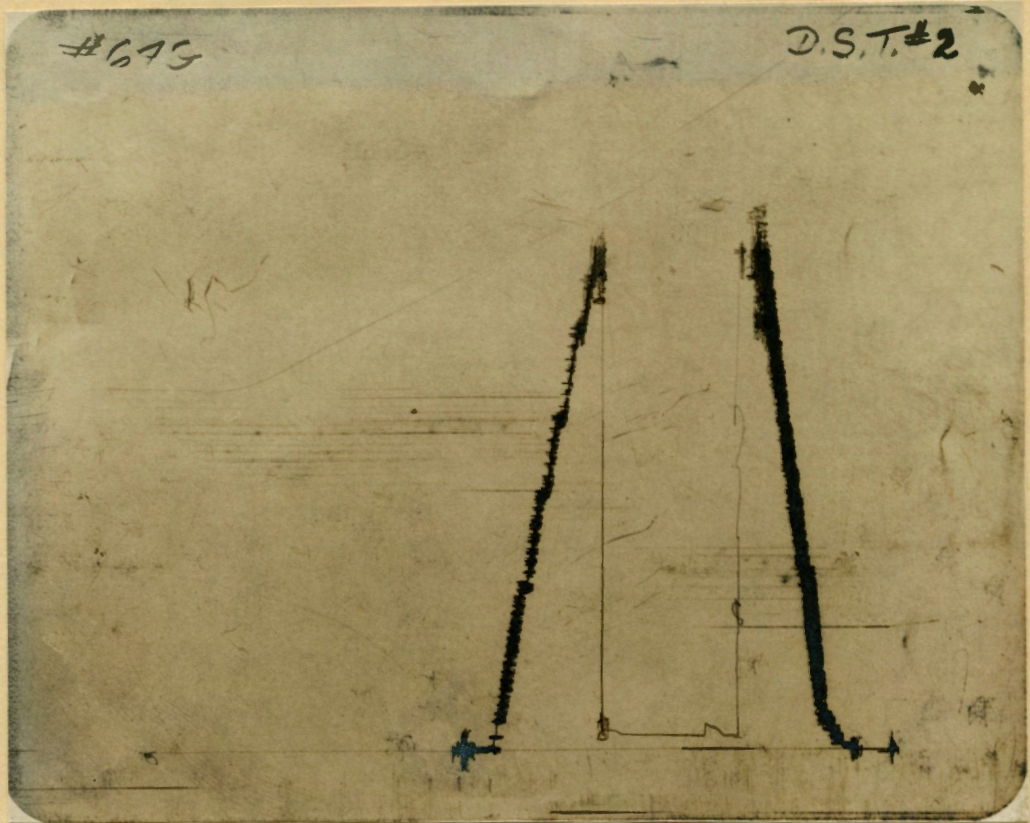
National Associated Petroleum Co.
Company

SUPERIOR TESTERS, INC.

Formation Testing Service Report

#675

D.S.T. #2



SUPERIOR TESTERS, INC.

433 SOUTH WESTVIEW, DERBY, KANSAS

Date 5/9/65 Ticket No. 649 Elevation 1973 DF

Total Depth 3715 Tested From 3685 To 3715 Formation Tested Arbuckle

Blow Good steady blow through out test

Mud Wt. 10 Viscosity 41 Bottom Hole Temp -

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

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

Initial Shut in Time 20 Min Tool Open 1 Hr Min Final Shut in Time 20 Min

Recovery 90' of mud - 1800' of gas
in drill pipe

Office Corrected Pressure Reading	
Initial Shut in Pressure	<u>136</u> Lbs
Initial Flow Pressure	<u>64</u> Lbs
Final Flow Pressure	<u>64</u> Lbs
Final Shut in Pressure	<u>88</u> Lbs
Initial Hydrostatic Pressure	<u>1942</u> Lbs
Final Hydrostatic Pressure	<u>1936</u> Lbs

Remarks Extra Equipment - Jars & Safety Joint

Witnessed By Joe E. McGarrah

Tool Operator R. L. Budig

Location 23-19S-16W Name of Lease Larkin Well No. 1 County Rush Test No. 2 State Kansas Company National Associated Petroleum Co.

SUPERIOR TESTERS, INC.

Central Building • Wichita, Kansas

Date May 9, 1965 Location 23-19^S-16^W Elevation 1973 D.F.
Company National Associated Petroleum Company
Address Fifth Floor City Building - Tulsa, Oklahoma.
Charts mailed to Fifth Floor City Building - Tulsa, Oklahoma. Number of Copies 3
Invoice Mailed To Fifth Floor City Building - Tulsa, Oklahoma.
Lease Hemkem Well No. 1 County Lush
Depth 3715' Tested From 3685' To 3715' Size of Hole 7 7/8"
Size Drill Pipe 4 1/2" Full Hole Size Packer 6 3/4" Length Air Chamber _____
Formation Tested Arbuckle Tool Open At _____ M Test No. 2
Initial Shut in Time 20 Min Tool Open 4 Hr _____ Min Final Shut in Time 20 Min
Blow Good steady blow through out test
Gas to Surface _____ Min Oil to Surface _____ Min
Gas Gauged _____

Recovery 90' of mud - 1800' of gas in drill pipe

Remarks _____

Initial Shut in Pressure 136 Lbs. Initial Flow Pressure 64 Lbs. Final Flow Pressure 64 Lbs.

Final Shut in Pressure 88 Lbs. Initial Hydrostatic Pressure 1942 Lbs. Final Hydrostatic Pressure 1936 Lbs.

Mud Wt. 10 Viscosity 41

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

Bottom Hole Temperature _____

Field or Purchase Order No. _____

Extra Equipment Jars and Safety Joint

Price of Job 340.⁰⁰ Operator Time _____ Hrs.

Tool Operator R. L. Rudig

Approved By Joe S. Mc Garran

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Ticket N^o **649**