

SUPERIOR TESTERS, INC.

433 SOUTH WESTVIEW, DERBY, KANSAS

Date July 18, 1970 Location SE-SE-NE-2-23-12^S Elevation 1020' K.B.
 Company National Associated Petroleum Company
 Address North Door Petroleum Building - Tulsa, Oklahoma
 Charts mailed to North Door Petroleum Building - Tulsa, Oklahoma Number of Copies 2
 Invoice Mailed To North Door Petroleum Building - Tulsa, Oklahoma
 Lease Pankhouser Well No. 1 County Greenwood
 Depth 2118' Tested From 2044' To 2118' Size of Hole 7 7/8"
 Size Drill Pipe 3 1/2" I.F. Size Packer 6 3/4" Length Air Chamber -
 Formation Tested Ord. Tool Open At 5:00 P.M. Test No. 1
 Initial Shut in Time 30 Min Tool Open - Hr. 45 Min Final Shut in Time 30 Min
 Blow weak blow for 15 minutes
 Gas to Surface - Min Oil to Surface - Min
 Gas Gauged -

Recovery 120' of slightly oil specked mud

Remarks

Initial Shut in Pressure 142 Lbs. Initial Flow Pressure 79 Lbs. Final Flow Pressure 94 Lbs.
 Final Shut in Pressure 134 Lbs. Initial Hydrostatic Pressure 1030 Lbs. Final Hydrostatic Pressure 1006 Lbs.

Mud Wt. 10 Viscosity 38
 Bottom Choke 1 1/2" Top Choke 1 1/2"
 Bottom Hole Temperature -

Field or Purchase Order No. none

Extra Equipment none Safety Joints

Price of Job 200.00 Operator Time - Hrs.

Tool Operator L. L. Budig

Approved By Jae E. McFarrah

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 2216

Fenkhouser

Name of Lease

4

Well No.

1

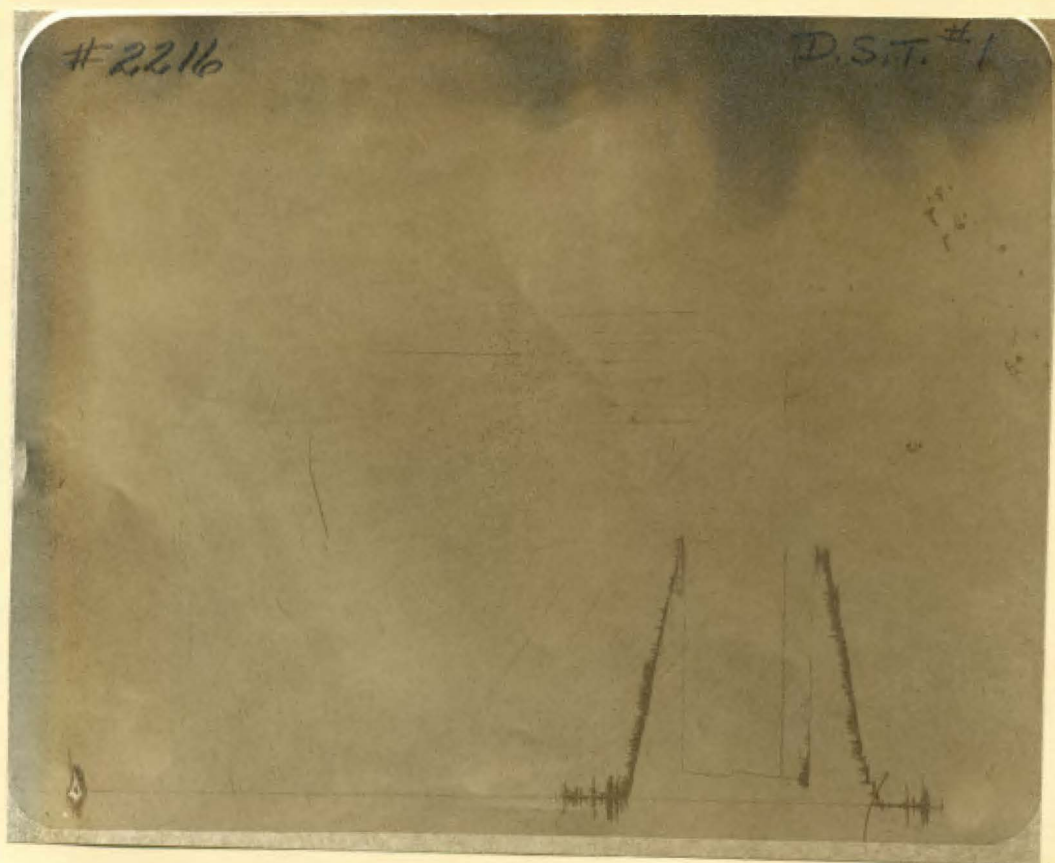
Test No.

National Associated Petroleum Co.

Company

SUPERIOR TESTERS, INC.

Formation Testing Service Report



SUPERIOR TESTERS, INC.

433 SOUTH WESTVIEW, DERBY, KANSAS

Date 7/18/70 Ticket No. 2216 Elevation 1020 KB

Total Depth 2118 Tested From 2044 To 2118 Formation Tested Ord.

Blow Weak blow for 15 minutes

Mud Wt. 10 Viscosity 38 Bottom Hole Temp =

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

Size Drill Pipe 3 1/2 I.P. Size Hole 7 7/8" Length Air Chamber = Ft.

Initial Shut in Time 30 Min Tool Open Hr 45 Min Final Shut in Time 20 Min

Recovery 120' of slightly oil specked

Office Corrected Pressure Reading

mud

Initial Shut in Pressure 142 Lbs

Initial Flow Pressure 79 Lbs

Final Flow Pressure 94 Lbs

Final Shut in Pressure 134 Lbs

Initial Hydrostatic Pressure 1050 Lbs

Final Hydrostatic Pressure 1006 Lbs

Remarks Extra Equipment - Safety Joint

Witnessed By Joe E. McGarrah

Tool Operator R. L. Budig

Location SE, SE, NE 2-23S-12E

County Greene

State Kansas

Fenhouser
Name of Lease

Well No. 4

Test No. 1

National Associated Petroleum Co.
Company