

SUPERIOR TESTERS
368 West Second, Hoisington, Kansas

Date 12/13/82 Location NW/4 35-17-13W Elevation 1888 KB County Barton

Company Energy Three Number of Copies 5

Address P.O. Box 1505 Great Bend, Kansas

Charts Mailed to P.O. Box 1505 Great Bend, Kansas

Invoice Mailed to P.O. Box 1505 Great Bend, Kansas

Lease Morganstein Well No. 3 Formation Tested Kans. City Test No. 1

Depth 3298 Tested from 3272 To 3298 Packer Size 6 3/4 Anchor Length 26

Top Packer Depth 3267 ft. Bottom Packer Depth 3272 ft. Dual Packers yes

Tool Joint Size 4 1/2 XH Tool Size 5 1/2 OD Hole Size 7 7/8 Did Packer Hold yes

Drilling Contractor Big Three Drllg

Length Drill Pipe 3242 I.D. Drill Pipe 3.80 Tool Joint Size 4 1/2 XH

Length Weight Pipe --- I.D. Weight Pipe --- Tool Joint Size ---

Length Drill Collars --- I.D. Drill Collars --- Tool Joint Size ---

Tool Open I.F.P. from 6:55 A m to 7:25 A m 30 min from [B] 73 P.S.I. to [C] 73 P.S.I.

Tool Closed I.C.I.P. from 7:25 A m to 8:10 A m 45 min [D] 997 P.S.I.

Tool Open F.F.P. from 8:10 A m to 8:40 A m 30 min from [E] 84 P.S.I. to [F] 84 P.S.I.

Tool Closed F.C.I.P. from 8:40 A m to 9:25 A m 40 min [G] 997 P.S.I.

Initial Hydrostatic Pressure [A] 1832 P.S.I. Final Hydrostatic Pressure [H] 1665 P.S.I. Maximum Temp 102 °F

Blow Fair Blow Building to strong blow off bottom of bucket
In 23 min - F.G. STRONG Blow off bottom of bucket

Gas to Surface NO Min. Oil to Surface NO Min. Mud Weight 9.7 Viscosity 36

Gas Gauged ---

Recovery G.I.P. - 600'

SG+OCM 60'

H0+GCM 60'

M.O. 60 50% MUD 40% Oil 40% Gas

Remarks Slide tool 4 feet to bottom bottom recorder shows partially plugged

Extra Equipment-Jars --- Safety Joint --- Straddle --- Hook Wall ---

Top Recorder No. 13561 Clock No. 27441

Bottom Recorder No. 13379 Clock No. 23837

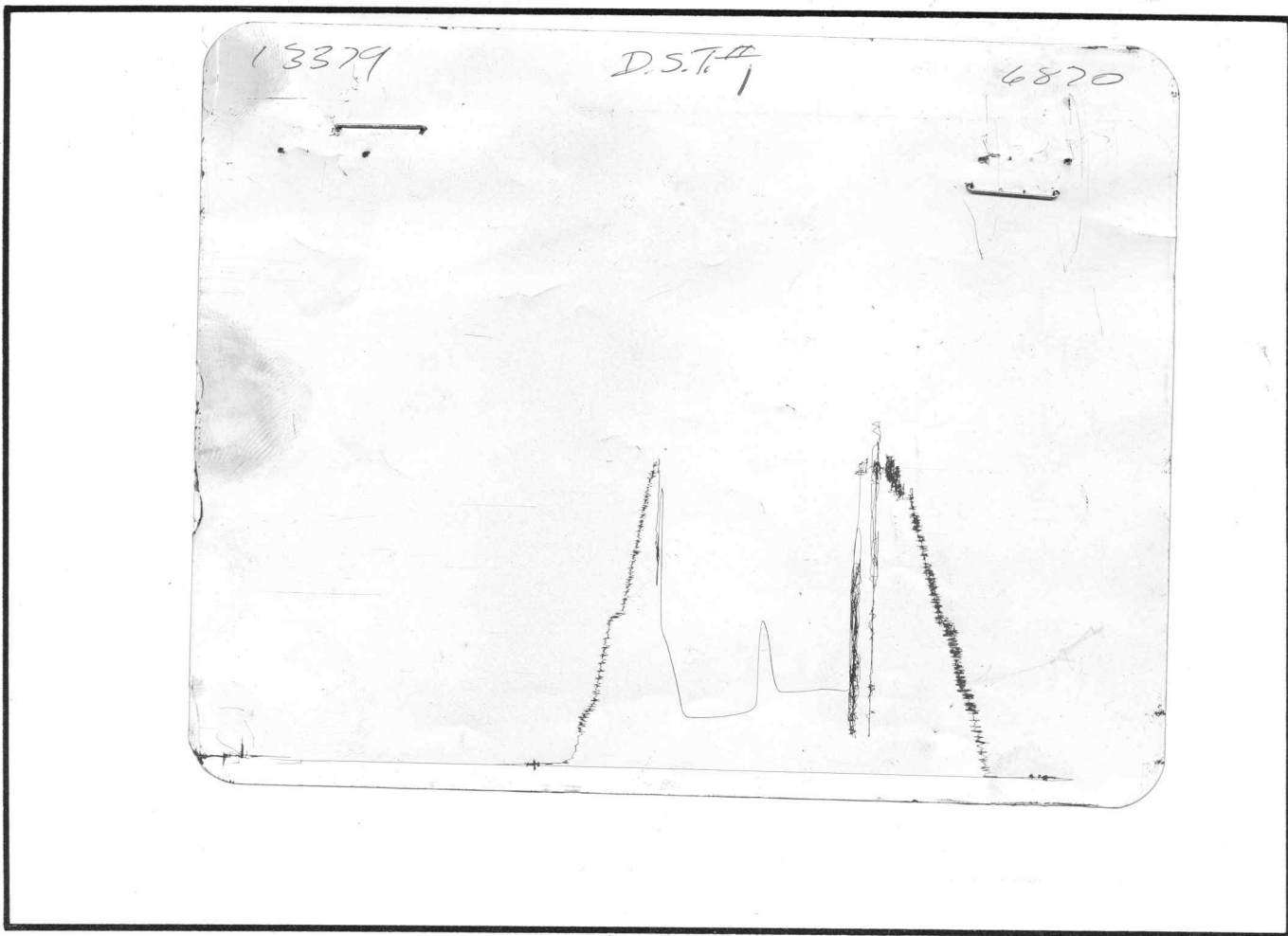
Price of Job 600.00

Tool Operator Jing Schulz

Approved By JM

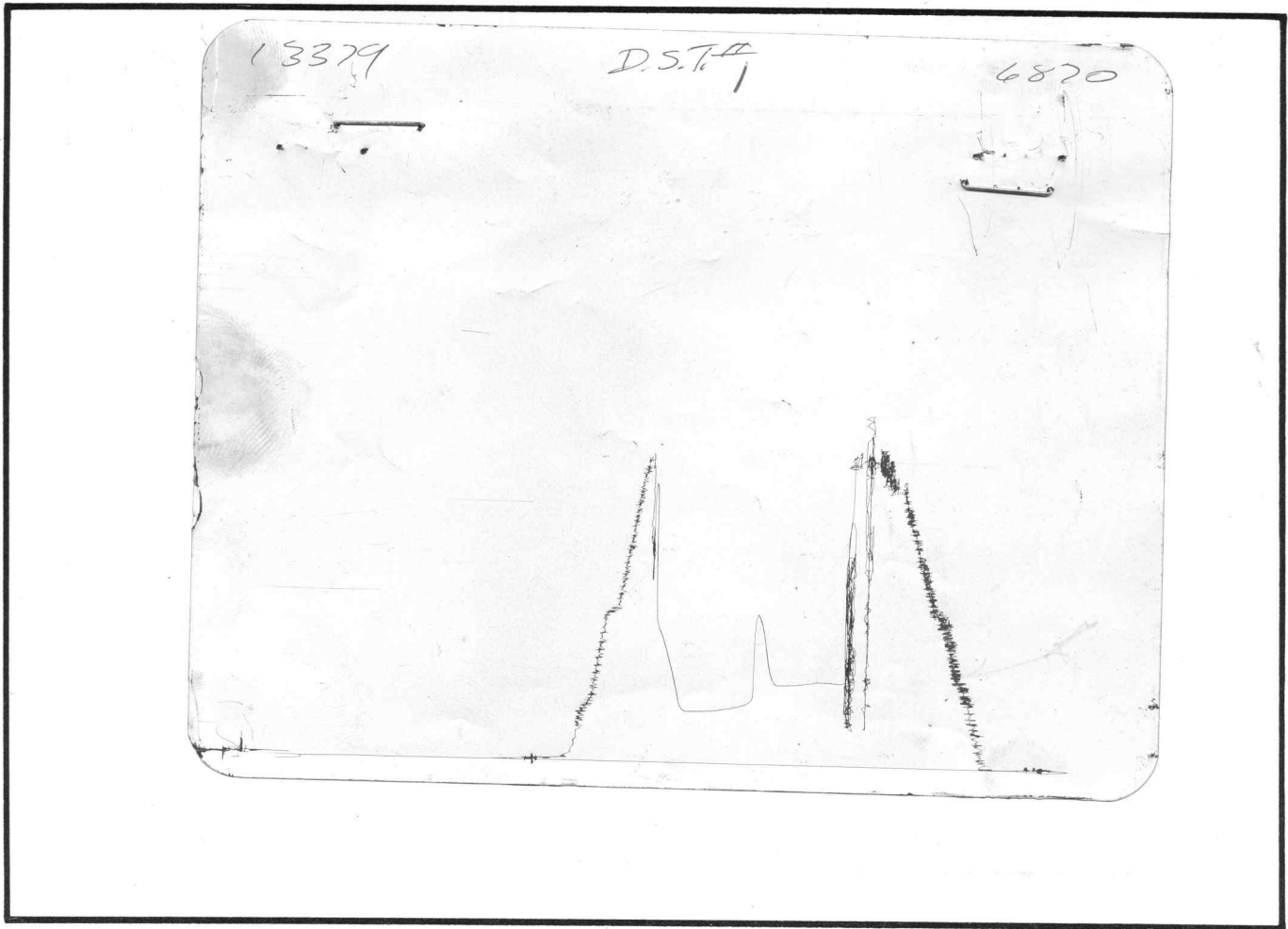
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Ticket N^o 6870



This is actual recorder chart.

POINT	PRESSURE		
	FIELD READING	OFFICE READING	
(A) Initial Hydrostatic Mud	1832	1780	P.S.I.
(B) First Initial Flow Pressure	73	69	P.S.I.
(C) First Final Flow Pressure	73	69	P.S.I.
(D) Initial Closed-in Pressure	997	1008	P.S.I.
(E) Second Initial Flow Pressure	84	84	P.S.I.
(F) Second Final Flow Pressure	84	84	P.S.I.
(G) Final Closed-in Pressure	997	1002	P.S.I.
(H) Final Hydrostatic Mud	1665	1696	P.S.I.



This is actual recorder chart.

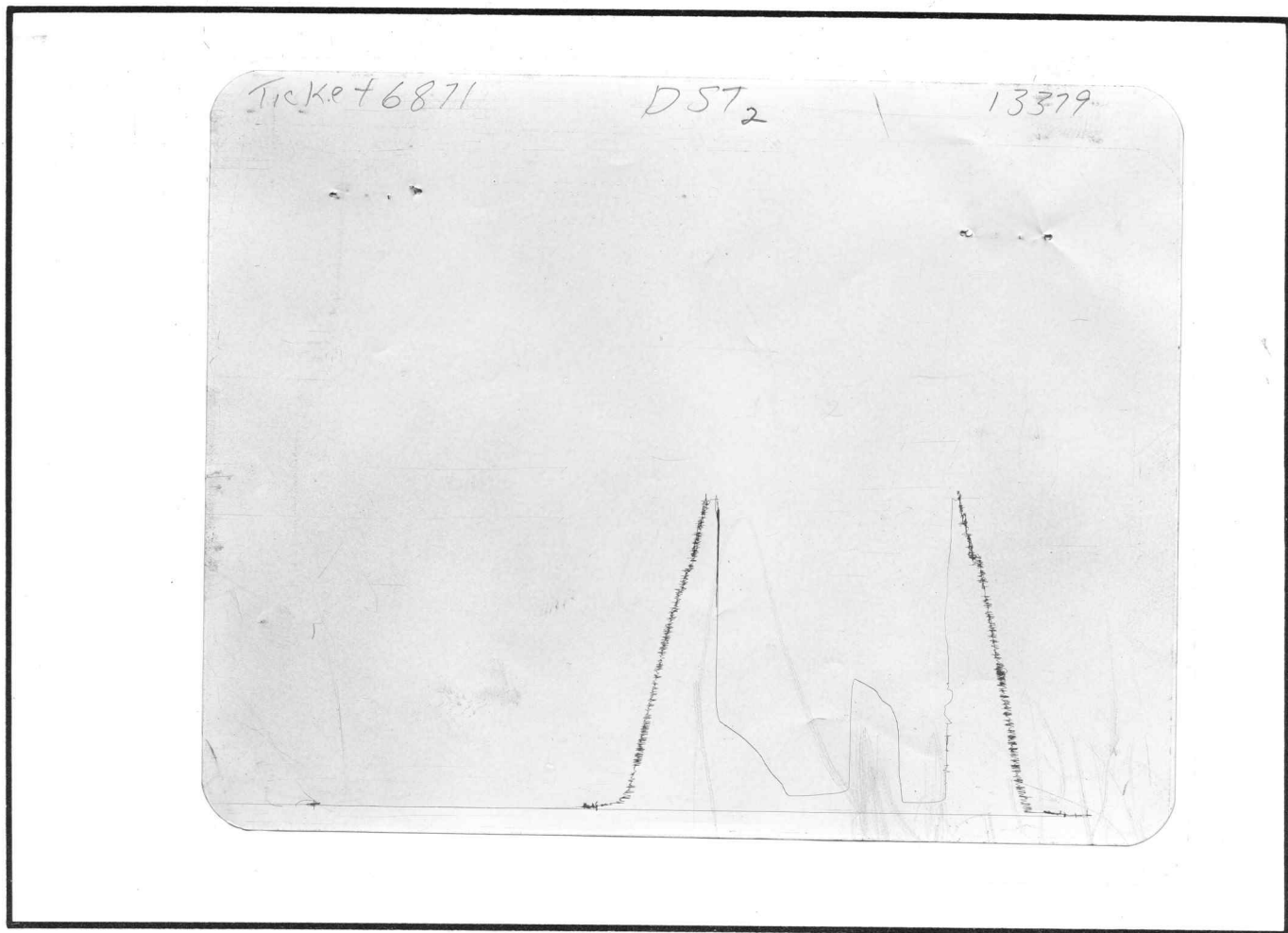
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Company Energy Three Number of Copies 5
Address Box 1505 Great Bend, Kansas
Charts Mailed to Box 1505 Great Bend, Kansas
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Lease Marganstein Well No. 3 Formation Tested Kans City Test No. 2
Depth 3332 Tested from 3306 To 3332 Packer Size 6 3/4 Anchor Length 26
Top Packer Depth: 3301 ft. Bottom Packer Depth 3306 ft. Dual Packers Yes
Tool Joint Size 4 1/2 FH Tool Size 5 1/2 OD Hole Size 7 1/8 Did Packer Hold Yes
Drilling Contractor Big Three
Length Drill Pipe 3280 I.D. Drill Pipe 3.80 Tool Joint Size 4 1/2 x H
Length Weight Pipe — I.D. Weight Pipe — Tool Joint Size —
Length Drill Collars — I.D. Drill Collars — Tool Joint Size —
Tool Open I.F.P. from 10:40 P m to 11:10 P m 30 min from [B] 42 P.S.I. to [C] 42 P.S.I.
Tool Closed I.C.I.P. from 11:10 P m to 11:55 P m 45 min [D] 787 P.S.I.
Tool Open F.F.P. from 11:53 P m to 12:40 A m 45 min from [E] 42 P.S.I. to [F] 42 P.S.I.
Tool Closed F.C.I.P. from 12:40 A m to 1:40 A m 60 min [G] 630 P.S.I.
Initial Hydrostatic Pressure [A] 1717 P.S.I. Final Hydrostatic Pressure [H] 1665 P.S.I. Maximum Temp 115 °F
Blow I.F. Fair Blow went to 4" into bucket
F.F. Steady 2" Blow
Gas to Surface — Min. Oil to Surface — Min. Mud Weight 9.6 Viscosity 40
Gas Gauged —
Recovery 65' Muddy Water Chlorides 110,000
Mud system 90,000
Remarks Slid 4' to Bottom
Extra Equipment-Jars — Safety Joint — Straddle — Hook Wall —
Top Recorder No. 13561 Clock No. 27441
Bottom Recorder No. 13379 Clock No. 23837
Price of Job 600⁰⁰
Tool Operator Jim Schulz
Approved By —

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Ticket No 6871



This is actual recorder chart.

POINT	PRESSURE		
	FIELD READING	OFFICE READING	
(A) Initial Hydrostatic Mud	<u>1717</u>	<u>1738</u>	P.S.I.
(B) First Initial Flow Pressure	<u>42</u>	<u>42</u>	P.S.I.
(C) First Final Flow Pressure	<u>42</u>	<u>42</u>	P.S.I.
(D) Initial Closed-in Pressure	<u>787</u>	<u>777</u>	P.S.I.
(E) Second Initial Flow Pressure	<u>42</u>	<u>42</u>	P.S.I.
(F) Second Final Flow Pressure	<u>42</u>	<u>42</u>	P.S.I.
(G) Final Closed-in Pressure	<u>630</u>	<u>640</u>	P.S.I.
(H) Final Hydrostatic Mud	<u>1665</u>	<u>1728</u>	P.S.I.