



# JOHNSTON TESTERS, INC.

OFFICES: Houston, Texas - Los Angeles, Calif. Test Ticket No. 16496

Date 1-20-55

Customer's Order No. G-83600

COMPANY Gulf Oil Corporation

LEASE AND WELL No. Nichols #1

FIELD \_\_\_\_\_ COUNTY Kiowa STATE Kansas

Mail Inv. To Route 1, Bushton, Kansas

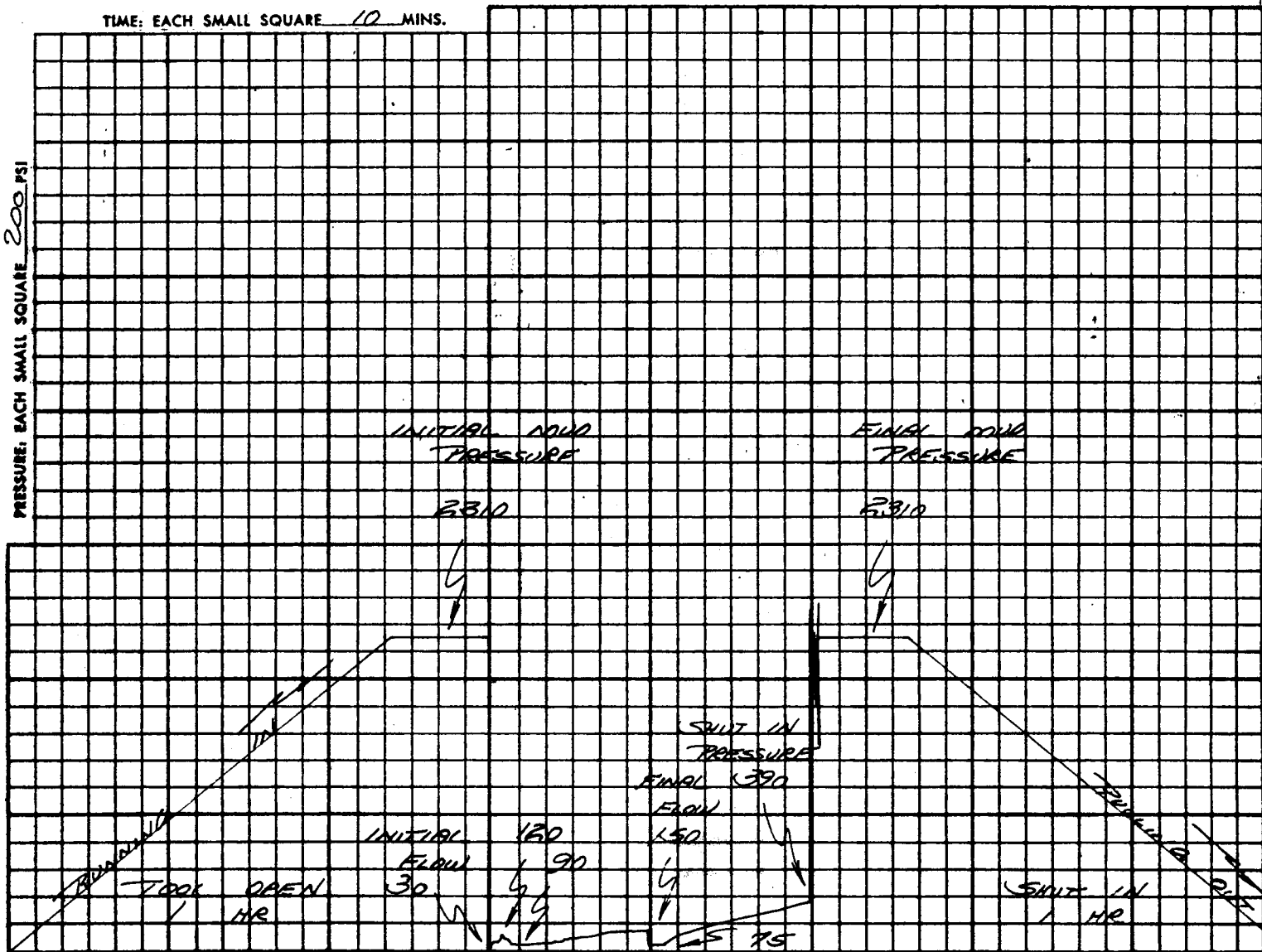
Mail Charts To same

<p>Formation Test No. <u>1</u> OK? <u>1</u> Misrun? _____</p> <p>Total Depth <u>4395'</u></p> <p>Interval Tested <u>4384'</u> to <u>4395'</u></p> <p>Size: Main Hole <u>7-7/8"</u> Rat Hole _____</p> <p>Packer(s) Set At <u>4384'</u></p> <p>Packer Size <u>6-5/8"</u> Type <u>Bob-tail</u></p> <p>Anchor Length <u>11'</u> Size <u>4 1/2</u> Type <u>F.H.</u></p> <p>Tool Size <u>3 1/2 Reg.</u> Tool Joint Size <u>4 1/2 F.H.</u></p>	<p>Casing Test No. _____ OK? _____ Misrun? _____</p> <p>Total (or PB) Depth _____</p> <p>Perforations _____ to _____</p> <p>Size Casing _____ Liner _____</p> <p>Packer(s) Set At _____</p> <p>Packer Size _____ Type _____</p> <p>Anchor Length _____ Size _____</p> <p>Tool Size _____ Tool Joint Size _____</p>												
<p>Fluid Cushion <u>None</u> Kind <u>-</u> Mud Weight <u>9.</u> Viscosity <u>39</u></p>													
<p>PRESSURE RECORDERS: Top Make <u>Long</u> Cap <u>4500</u> No. <u>454</u> Bottom Make <u>Long</u> Cap <u>3000</u> No. <u>176</u></p> <p>Below Straddle Top Make <u>-</u> Cap <u>-</u> No. <u>-</u> Bottom Make <u>-</u> Cap <u>-</u> No. <u>-</u></p>													
<p>RESULTS</p> <p>Set Packer <u>10:30M</u>; Tool Open <u>1</u> Hrs. <u>0</u> Min: Shut-in <u>1</u> Hrs. <u>0</u> Min. Packer Set <u>2</u> Hrs. <u>0</u> Min.</p> <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:20%;">Size Choke</th> <th style="width:20%;">Max. Press. psi</th> <th style="width:20%;">Time</th> <th style="width:40%;">Description (Rate) of Flow</th> </tr> </thead> <tbody> <tr> <td>Surface <u>1/2"</u></td> <td>_____</td> <td>_____</td> <td>_____</td> </tr> <tr> <td>Information _____</td> <td>_____</td> <td>_____</td> <td>_____</td> </tr> </tbody> </table>		Size Choke	Max. Press. psi	Time	Description (Rate) of Flow	Surface <u>1/2"</u>	_____	_____	_____	Information _____	_____	_____	_____
Size Choke	Max. Press. psi	Time	Description (Rate) of Flow										
Surface <u>1/2"</u>	_____	_____	_____										
Information _____	_____	_____	_____										
<p>Blow <u>Fair thru-out test.</u> Bottom Choke Size <u>1/2"</u></p>													
<p>Max. Surface Press _____ # Did Well Flow? Yes _____ No <u>x</u>; Fluid Rise: <u>100'</u></p> <p>Oil, _____ Gas, _____ Water, <u>100' drilling mud,</u> Sand _____</p>													
<p>REMARKS <u>Recovery: 100' drilling mud.</u></p>													
<p>Max. Temp. °F _____</p>													
<p>Type Circulating Tool <u>sleeve</u> Pump Press. _____ Hrs. _____ Min. _____</p>													
<p>Bottom Hole Sample Bomb <u>no</u> Jar: Size <u>3 1/2 Reg.</u> Make <u>Bowen</u> No. _____</p>													
<p>Extra Equipment <u>no</u></p>													
<p>Was Choke Plugged? <u>no</u> Perf. Plugged? <u>no</u> Other? <u>no</u> Did Mud Fall During Test? <u>no</u></p>													
<p>No. Rubbers Damaged? <u>no</u> Tool Rental Time <u>10</u> Operator's Time <u>16</u></p>													
<p><small>JOHNSTON TESTERS, INC. shall not be liable for damage of any kind to the property or personnel of the party for whom a test is made, or for any loss suffered or sustained directly or indirectly, through or in the course of the use of its equipment, or its statement or opinion concerning the result of any test, all of which loss or damage is assumed by the customer. Tools lost or damaged in the hole shall be paid for at the cost by the party for whom test is made.</small></p>													
<p>OPERATOR: <u>H.M. Roymer</u></p>	<p>TEST APPROVED BY: <u>T. Terrel</u></p>												
<p>No. of Copies Requested <u>4</u></p>													

LEASE AND WELL NO. Nichols #1 Formation TEST NO. 1

TIME: EACH SMALL SQUARE 10 MINS.

PRESSURE: EACH SMALL SQUARE 200 PSI



**CHARGES**

I-454

Formation Test at 4395', \$	230.00
Misrun at _____', \$	
Rental on Tools _____ 16 Hours at \$2.50	
Safety Joint _____	
Dual Wall Packers _____	
Testing Between Two Packers _____	
Service Charge _____	
Mileage Charge _____ Mls. at _____¢	
Bowen Jars _____	100.00
Operators' Time _____ 16 Hours at \$2.50	
Reservoir Sampler _____	
Damaged Rubber Packer _____	X
	\$ 330.00

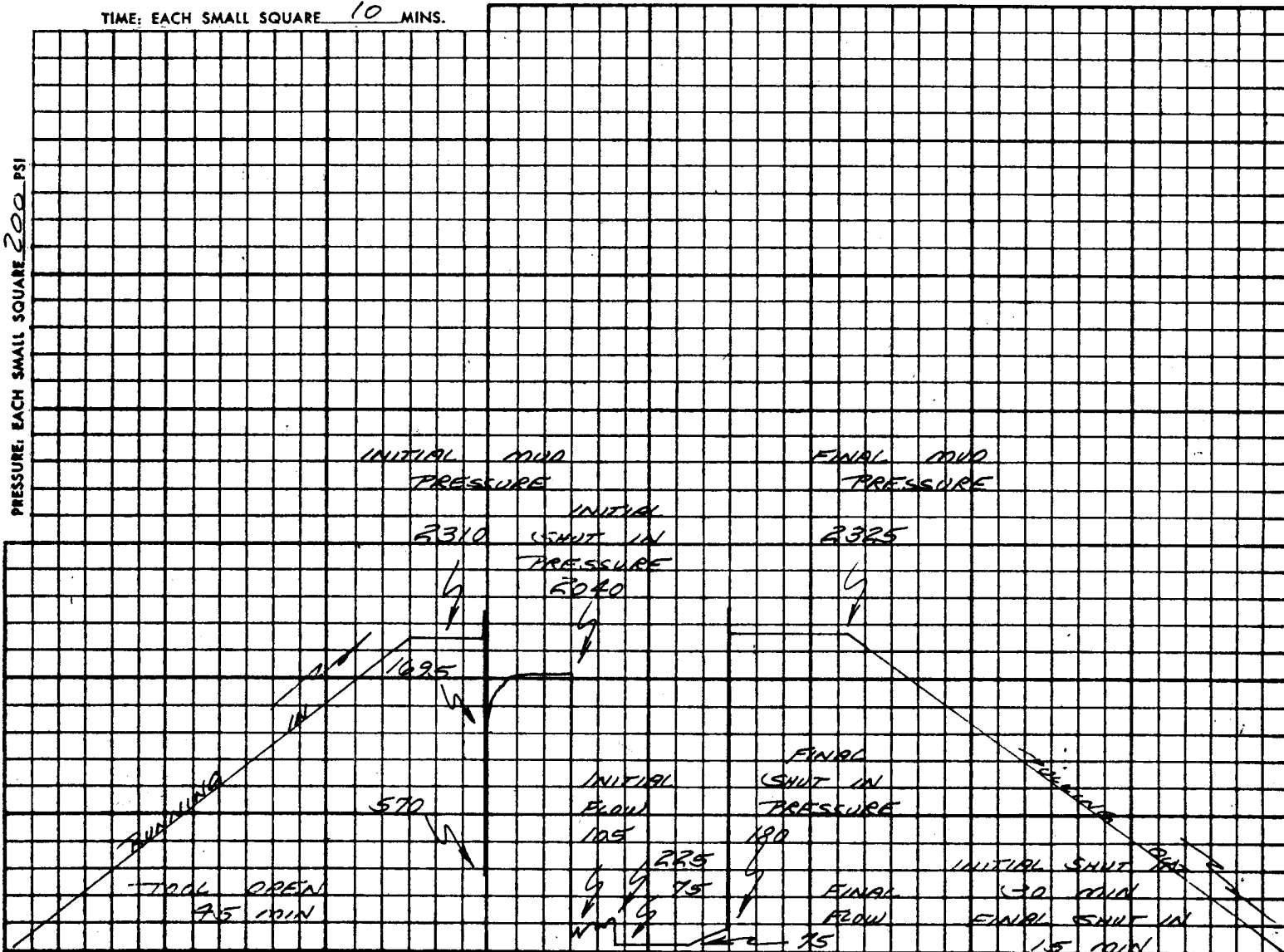
**SUBSURFACE PRESSURE DATA**

	Field Reading		Corrected Reading	
	TOP	BOTTOM	TOP	BOTTOM
Recorder No.			I-454	
Initial BH Flow			30	
Final BH Flow			150	
Max. Recorded Shut In			390	
Initial Hydrostatic			2310	
Final Hydrostatic			2310	



TIME: EACH SMALL SQUARE 10 MINS.

PRESSURE: EACH SMALL SQUARE 200 PSI



**CHARGES**

I-454

Formation Test at 4403	' , \$	230.00
Misrun at	' , \$	
Rental on Tools	—16 Hours at \$2.50	
	Safety Joint	
Dual Wall Packers		
Testing Between Two Packers		
Service Charge		
Mileage Charge	Mls. at	
Bowen Jars		100.00
Operators' Time	—16 Hours at \$2.50	
Reservoir Sampler		
	Damaged Rubber Packer	X
		\$ 330.00

**SUBSURFACE PRESSURE DATA**

	Field Reading		Corrected Reading	
	TOP	BOTTOM	TOP	BOTTOM
Recorder No.			I-454	
Initial BH Flow	0		105	
Final BH Flow	0		75	
Max. Recorded Shut In	220	Int. Final	2040	180
Initial Hydrostatic	2300		2310	
Final Hydrostatic	2300		2325	

NICHOLS

1

3

GULF OIL CORPORATION

WICHITA


LEASE

WELL NO.

TEST NO.

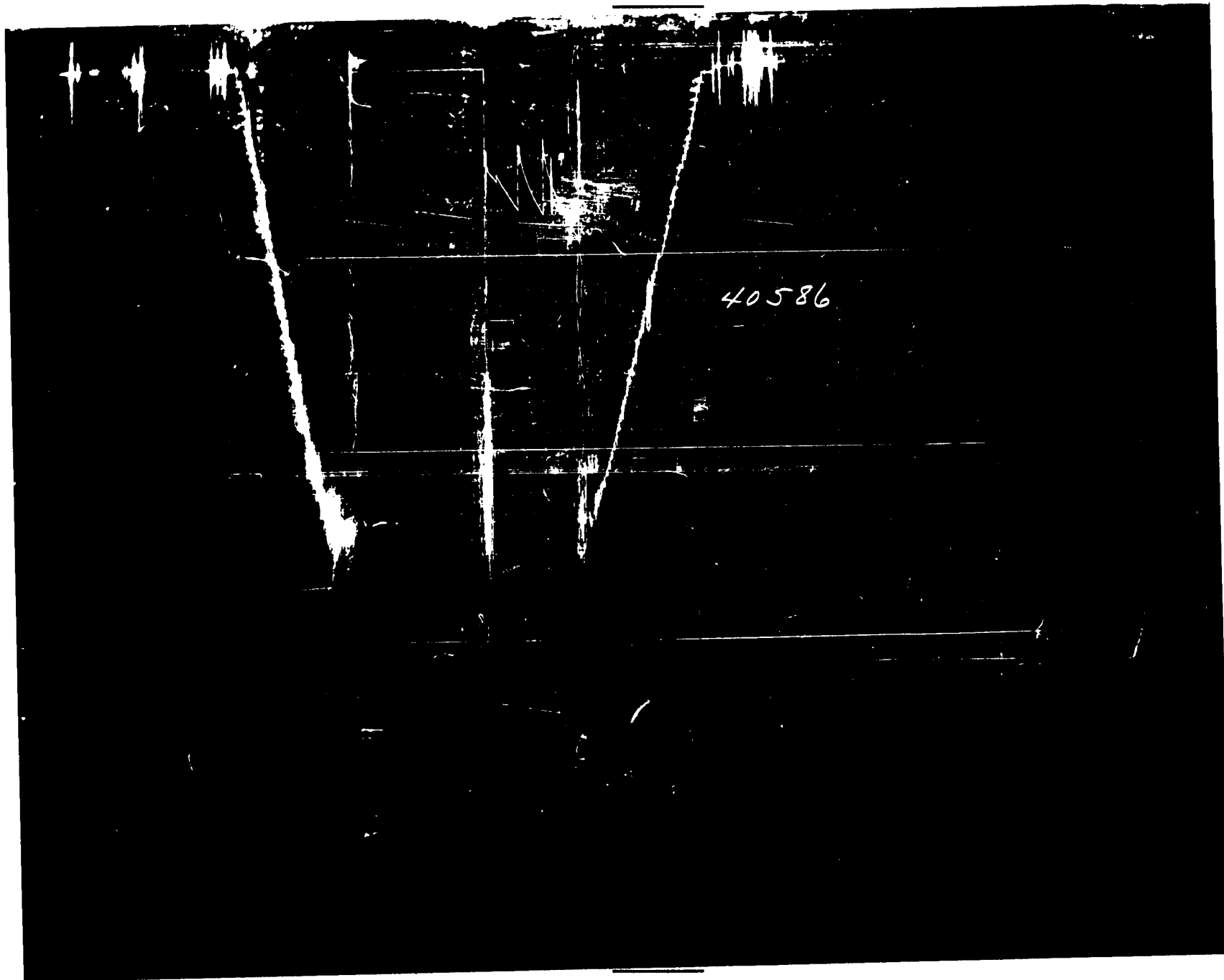
COMPANY

DISTRICT

LOCATION	20-29-18		 <b>Halliburton</b> OIL WELL CEMENTING CO.				Date	1-23-55	
FIELD	Wildcat						Ticket No.	40586	
COUNTY	Kiowa						HOWCO DISTRICT	Pratt	
STATE	Kansas		<b>HOLE AND TOOL DATA</b>				Kind of Job	Open Hole	
CONTRACTOR	Falcon Seaboard		Total Depth	4533'	Casing Perforations	Top - Bottom -	Price	\$215.00	
	MUD DATA		Top Packer Depth	4523'	Bottom Packer Depth	-	Second Packer Assembly		
Kind	Starch		Casing or Hole Size	9"	Liner or Rathole Size	-	Safety Joint		
Weight	9.8	lbs.-gal.	Formation Tested	KC			Extra Folder Charge		
Viscosity	40	Sec.	Size Drill Pipe	4 1/2"	Size Drill Collars	5 3/4" x 116'	Jars	100.00	
Filter Loss	15	c. c. Filter Cake	Size Bottom Choke	3/4"	Size Surface Choke	1"			
Est. Gauge Depth Temp.	Calc. 110	F°	Size Hook Wall Packer	-	Size Rings	-	No. Rings	-	
Time Tool Open	45 minutes		Size D. E. Wall Packer	7 1/2" ESWP			No. Packers	1	
Time Closed In.	60 minutes	15 minutes	Size & Length Anchor	5" x 10'			Total	\$315.00	
Depth BT. Gauge	4510'	Ft.	PRD Device No.	1864	Depth	4532'	Blanked Off	Yes	
BT. P.R.D. No.	373	Blanked Off	No				Tester	Robert Sander Keyes and Jimerson	
12 Hr. Clock No.			3004						
Pressure Readings	Field	Office Corrected	REMARKS: Took 60 minute initial CIP with drop bar sub 30' off tool - Drop bar						
Initial Hydro Mud Pressure	2490	2400	very weak blow - after 15 minutes bypassed fluid and reopened tool for 30 minutes						
Initial Flow Pres.	-	False	with very weak blow for 10 minutes, Closed CIP for 13 minutes. Recovered 180' gas,						
Final Flow Pres.	-	False	and 90' mud. When fluid was bypassed an "O" ring ruptured and plugged parts of tool						
Initial CIP	27	21	therefore failing to relieve hydrostatic pressure. All pressures recorded on this						
Closed in Pres. Final	-	False	data sheet is taken before bar was dropped. All other pressures are considered						
Final Hydro Mud Pressure	-	2366	false.						
			Amount of Cushion	None	All depths measured from	227 1/2	Derrick Floor	No. Folders Reproduced	6

TIME

PRESSURE



Each Horizontal Line Equal to 1000 p.s.i.

NICHOLS

1

4

GULF OIL CORPORATION

KANSAS


LEASE

WELL NO.

TEST NO.

COMPANY

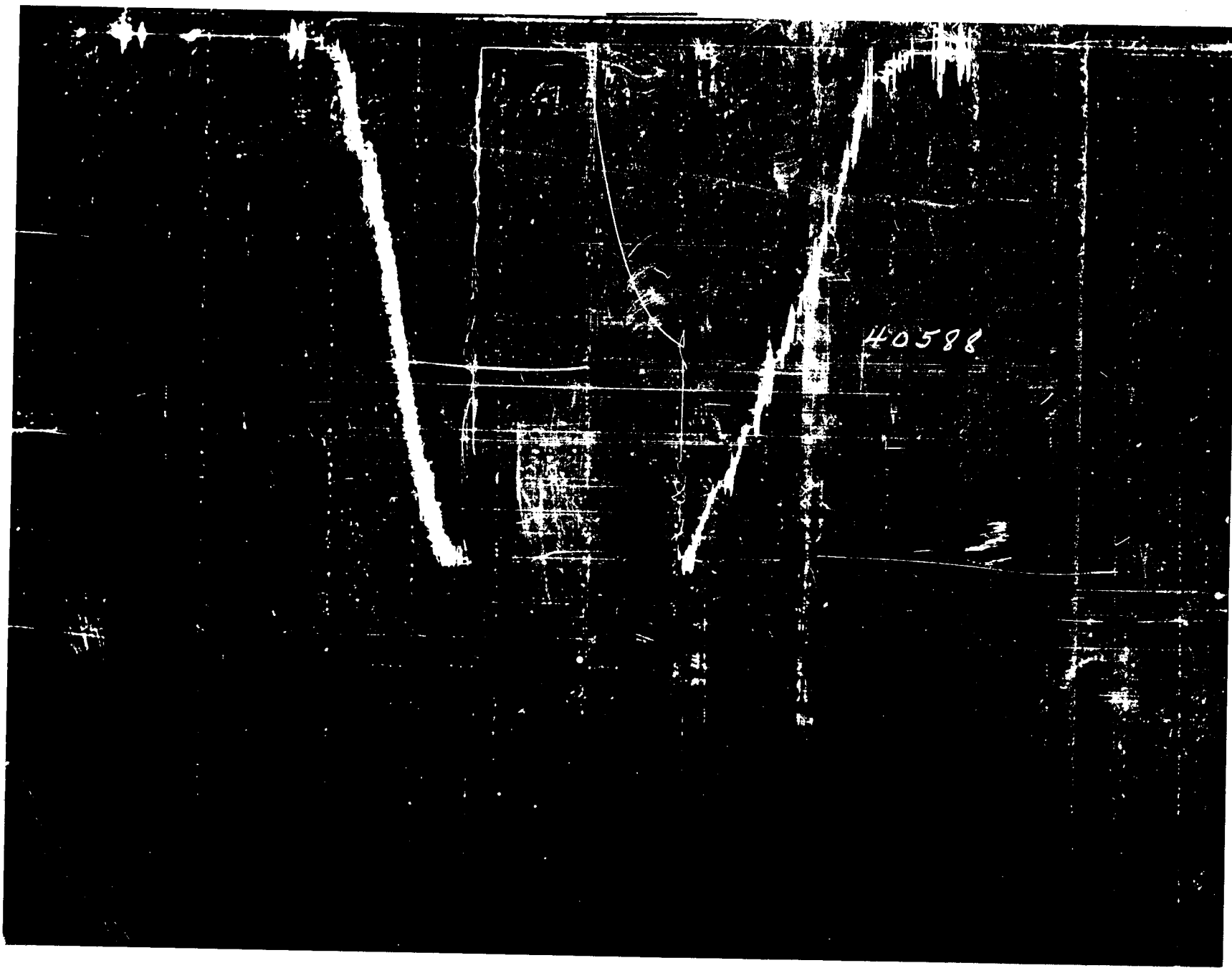
DISTRICT

LOCATION	Sec. 20-29-18 NENE NU		 <b>Halliburton</b> OIL WELL CEMENTING CO.		Date	1-28-55				
FIELD	Wildcat				Ticket No.	40588				
COUNTY	Kio a				HOWCO DISTRICT	Pratt				
STATE	Kansas		HOLE AND TOOL DATA		Kind of Job	Open Hole				
CONTRACTOR	Falcon Seaboard		Total Depth	4964'	Casing Perforations	Top - Bottom -				
MUD DATA			Top Packer Depth	4959'	Bottom Packer Depth	-				
Kind	Starch		Casing or Hole Size	9"	Liner or Rathole Size	-				
Weight	9.8	lbs.-gal.	Formation Tested	Mississippi		Extra Folder Charge	-			
Viscosity	40	Sec.	Size Drill Pipe	4 1/2"	Size Drill Collars	5 3/4" x 240'	Jars	100.00		
Filter Loss	12	c. c. Filter Cake	Size Bottom Choke	3/4"	Size Surface Choke	1"				
Est. Gauge Depth Temp.	Calc. 120	F°	Size Hook Wall Packer	-	Size Rings	-	No. Rings	-		
Time Tool Open	61 Minutes		Size D. E. Wall Packer	7 1/2"	ESWP	No. Packers	1	Total	\$315.00	
Time Closed In.	61 Minutes		Size & Length Anchor	5" x 4 1/2'		Witnessed By		Mr. T. Terrel		
Depth BT. Gauge	4944	Ft.	PRD Device No.	-	Depth	-	Blanked Off	-	Tester	Snidle
BT. P.R.D. No.	373	Blanked Off	REMARKS: Opened tool with a very weak blow throughout the test.							
12 Hr. Clock No.	3004		Recovered 18' of oil cut mud.							
Pressure Readings	Field	Office Corrected	DF 2274							
Initial Hydro Mud Pressure		2594	p.s.i.							
Initial Flow Pres.		33	p.s.i.							
Final Flow Pres.		33	p.s.i.							
Closed in Pres.		1518	p.s.i.							
Final Hydro Mud Pressure		2581	Amount of Cushion		None	All depths measured from		elly Bushing	No. Folders Reproduced	5

TIME

21

PRESSURE



Each Horizontal Line Equal to 1000 p.s.i.



# JOHNSTON TESTERS, INC.

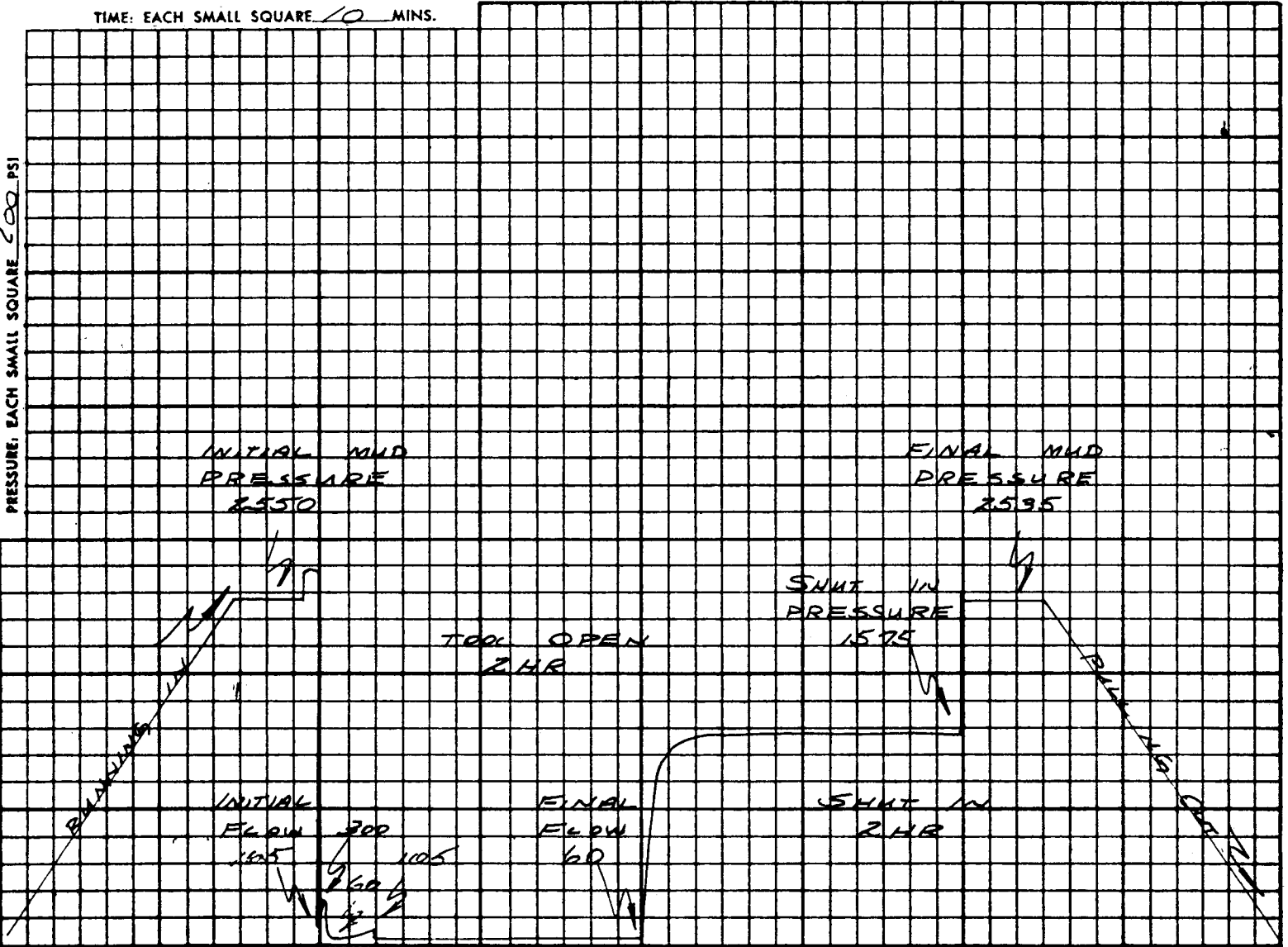
OFFICES: Houston, Texas - Los Angeles, Calif. Test Ticket No. 26428

Date 1-30-55 Customer's Order No. G-83605  
 COMPANY Gulf-Oil Company  
 LEASE AND WELL No. Nichols #1  
 FIELD \_\_\_\_\_ COUNTY Kiowa STATE Kansas  
 Mail Inv. To Route 1, Bushton, Kansas  
 Mail Charts To same

Formation Test No. <u>5</u> OK? <input checked="" type="checkbox"/> Misrun? _____ Total Depth <u>4976'</u> Interval Tested <u>4961'</u> to <u>4976'</u> Size: Main Hole <u>9"</u> Rat Hole <u>-</u> Packer(s) Set At <u>4961'</u> Packer Size <u>8</u> Type <u>wall</u> Anchor Length <u>15'</u> Size <u>4 1/2</u> Type <u>D.P.</u> Tool Size <u>3 1/2</u> Tool Joint Size <u>4 1/2</u>	Casing Test No. _____ OK? _____ Misrun? _____ Total (or PB) Depth _____ Perforations _____ to _____ Size Casing _____ Liner _____ Packer(s) Set At _____ Packer Size _____ Type _____ Anchor Length _____ Size _____ Tool Size _____ Tool Joint Size _____																									
Fluid Cushion <u>none</u> Kind <u>-</u> Mud Weight <u>9.7</u> Viscosity <u>42</u> PRESSURE RECORDERS: Top Make <u>Long</u> Cap <u>4500</u> No; <u>L-13</u> Bottom Make <u>Long</u> Cap <u>3000</u> No. <u>244</u> Below Straddle Top Make <u>-</u> Cap <u>-</u> No; <u>-</u> Bottom Make <u>-</u> Cap <u>-</u> No. <u>-</u>																										
<b>RESULTS</b> Set Packer <u>7:30AM</u> ; Tool Open <u>2</u> Hrs. <u>0</u> Min: Shut-in <u>2</u> Hrs. <u>0</u> Min. Packer Set <u>4</u> Hrs. <u>0</u> Min. <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:20%;">Surface</th> <th style="width:20%;">Size Choke</th> <th style="width:20%;">Max. Press. psi</th> <th style="width:20%;">Time</th> <th style="width:40%;">Description (Rate) of Flow</th> </tr> </thead> <tbody> <tr> <td></td> <td><u>1/2"</u></td> <td></td> <td><u>22-minutes</u></td> <td><u>Gas to surface</u></td> </tr> <tr> <td>Information</td> <td></td> <td></td> <td><u>32-minutes</u></td> <td><u>1,250,000 cubic ft. per day</u></td> </tr> <tr> <td></td> <td></td> <td></td> <td><u>1 Hr.</u></td> <td><u>240,000</u></td> </tr> <tr> <td></td> <td></td> <td></td> <td><u>2 Hr.</u></td> <td><u>108,000</u></td> </tr> </tbody> </table>		Surface	Size Choke	Max. Press. psi	Time	Description (Rate) of Flow		<u>1/2"</u>		<u>22-minutes</u>	<u>Gas to surface</u>	Information			<u>32-minutes</u>	<u>1,250,000 cubic ft. per day</u>				<u>1 Hr.</u>	<u>240,000</u>				<u>2 Hr.</u>	<u>108,000</u>
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			<u>1 Hr.</u>	<u>240,000</u>																						
			<u>2 Hr.</u>	<u>108,000</u>																						
Blow <u>Very strong</u> Bottom Choke Size <u>1/2</u> Max. Surface Press <u>1,250,000</u> # Did Well Flow? Yes _____ No <input checked="" type="checkbox"/> ; Fluid Rise: <u>176'</u> Oil, _____ Gas, _____ Water, _____ Mud, _____ Sand _____																										
REMARKS <u>Recovery: 176' heavy gas and distillate cut mud.</u> _____ _____ Max. Temp. °F _____																										
Type Circulating Tool <u>sleeve</u> Pump Press. _____ Hrs. _____ Min. _____ Bottom Hole Sample Bomb <u>none</u> Jar: Size <u>3 1/2</u> Make <u>Bowen</u> No. _____ Extra Equipment <u>Jars, Bowen Make</u>																										
Was Choke Plugged? <u>no</u> Perf. Plugged? <u>no</u> Other? <u>no</u> Did Mud Fall During Test? <u>no</u> No. Rubbers Damaged? <u>none</u> Tool Rental Time <u>8</u> Operator's Time <u>16</u>																										
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OPERATOR: <u>L.D. Smith</u>	TEST APPROVED BY: <u>T. Terrel</u>																									
No. of Copies Requested <u>4</u>																										

 LEASE AND WELL NO. Nichols #1 FORMATION TEST NO. 5

TIME: EACH SMALL SQUARE 10 MINS.



CHARGES		L-13
Formation Test at 4976	' , \$	230.00
Misrun at	' , \$	
Rental on Tools	—16 Hours at \$2.50	
	Safety Joint	
Dual Wall Packers		
Testing Between Two Packers		
Service Charge		
Mileage Charge	Mls. at	
Bowen Jars		100.00
Operators' Time	—16 Hours at \$2.50	
Reservoir Sampler		
	Damaged Rubber Packer	X
		\$330.00

	SUBSURFACE PRESSURE DATA		Corrected Reading	
	Field Reading		TOP	BOTTOM
	TOP	BOTTOM		
Recorder No.			L-13	
Initial BH Flow	270		165	
Final BH Flow	170		60	
Max. Recorded Shut In	1600		1575	
Initial Hydrostatic	2600		2550	
Final Hydrostatic	2600		2535	



# JOHNSTON TESTERS, INC.

OFFICES: Houston, Texas - Los Angeles, Calif. Test Ticket No. 26429

Date 1-31-55

Customer's Order No. G- 83607

COMPANY Gulf Oil Corporation

LEASE AND WELL No. Nichols #1

FIELD \_\_\_\_\_ COUNTY Kdowa STATE Kansas

Mail Inv. To Route #1, Bushton, Kansas

Mail Charts To same

Formation Test No. <u>6</u> OK? <input checked="" type="checkbox"/> Misrun? _____	Casing Test No. _____ OK? _____ Misrun? _____
Total Depth <u>4985'</u>	Total (or PB) Depth _____
Interval Tested <u>4960'</u> to <u>4985'</u>	Perforations _____ to _____
Size: Main Hole <u>9"</u> Rat Hole <u>6-1/8"</u>	Size Casing _____ Liner _____
Packer(s) Set At <u>4960'</u>	Packer(s) Set At _____
Packer Size <u>8</u> Type <u>wall</u>	Packer Size _____ Type _____
Anchor Length <u>25'</u> Size <u>4 1/2</u> Type <u>DP</u>	Anchor Length _____ Size _____
Tool Size <u>3 1/2</u> Tool Joint Size <u>4 1/2</u>	Tool Size _____ Tool Joint Size _____

Fluid Cushion none Kind \_\_\_\_\_ Mud Weight 9.7 Viscosity 42  
 Long \_\_\_\_\_ Cap 4500 No; \_\_\_\_\_ Bottom Make Long Cap 3000 No. 244  
 Below Straddle Top Make \_\_\_\_\_ Cap \_\_\_\_\_ No; \_\_\_\_\_ Bottom Make \_\_\_\_\_ Cap \_\_\_\_\_ No. \_\_\_\_\_

RESULTS  
 Set Packer 4:55 PM; Tool Open 1 Hrs. 0 Min: Shut-in 1 Hrs. 0 Min. Packer Set 2 Hrs. 0 Min.  
 Size Choke 1/2" Max. Press. psi \_\_\_\_\_ Time \_\_\_\_\_ Description (Rate) of Flow \_\_\_\_\_  
 Surface 1/2" 4-Minutes Gas to surface.  
 Information \_\_\_\_\_ 3,210,000 cubic ft. gas per day at end of test.

Blow \_\_\_\_\_ Bottom Choke Size 1/2  
 Max. Surface Press. 3,210,000 # Did Well Flow? Yes \_\_\_\_\_ No ; Fluid Rise: 240'  
 Oil, 4985' Gas, \_\_\_\_\_ Water, 240' Mud, \_\_\_\_\_ Sand \_\_\_\_\_

REMARKS 1/2 Hr. Initial B.H.P. taken  
1/2 Hr. Final B.H.P. taken

Max. Temp. °F \_\_\_\_\_  
 Type Circulating Tool sleeve Pump Press. \_\_\_\_\_ Hrs. \_\_\_\_\_ Min. \_\_\_\_\_  
 Bottom Hole Sample Bomb none run Jar: Size 3 1/2 Make Bowen No. \_\_\_\_\_  
 Extra Equipment Jars (Bowen Make)  
 Was Choke Plugged?  Perf. Plugged?  Other?  Did Mud Fall During Test?   
 No. Rubbers Damaged? none Tool Rental Time 12 Hr. Operator's Time 16 Hr.

JOHNSTON TESTERS, INC. shall not be liable for damage of any kind to the property or personnel of the party for whom a test is made, or for any loss suffered or sustained directly or indirectly, through or in the course of the use of its equipment, or its statement or opinion concerning the result of any test, all of which loss or damage is assumed by the customer. Tools lost or damaged in the hole shall be paid for at the cost by the party for whom test is made.

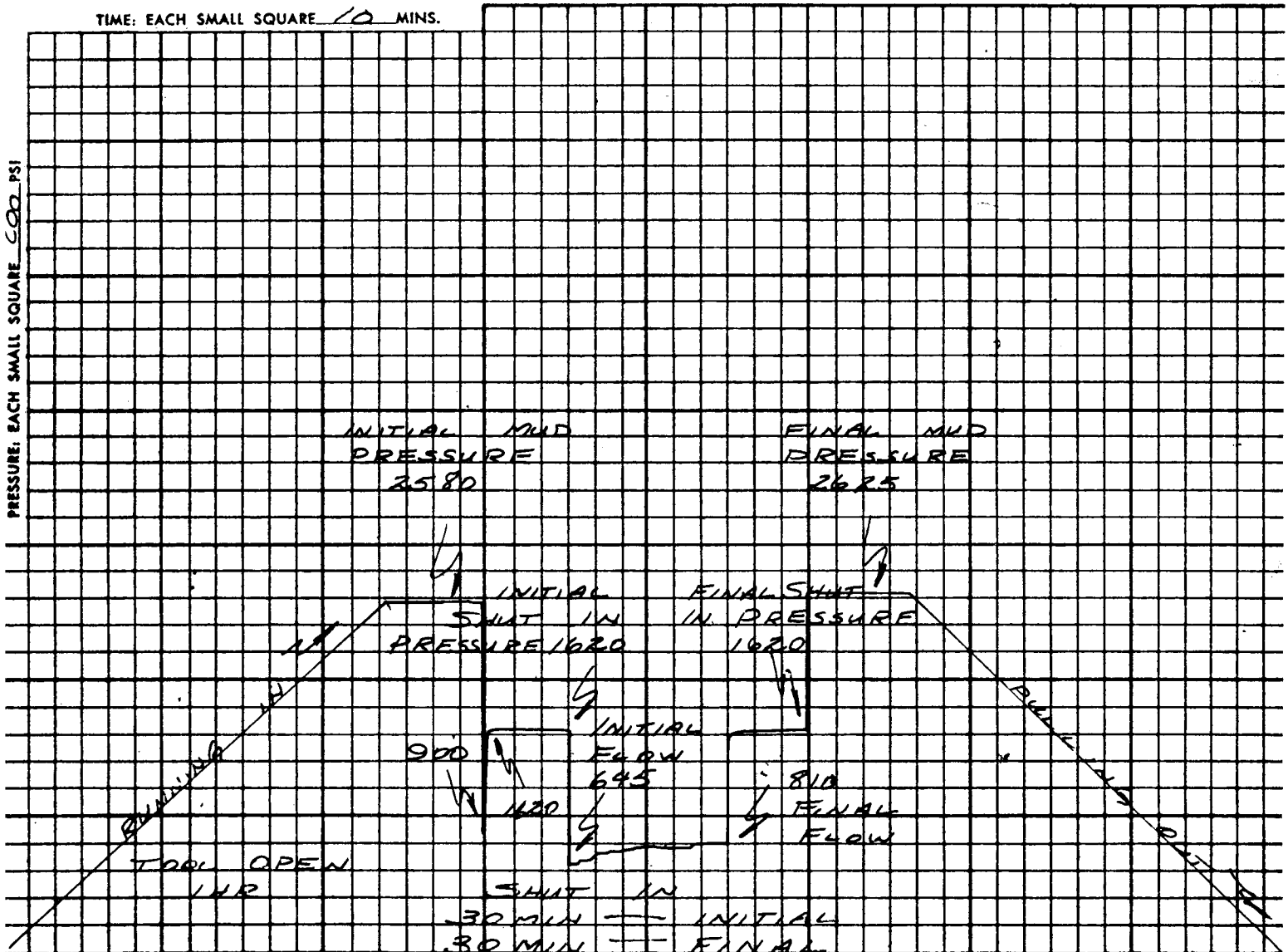
OPERATOR: L.D. Smith TEST APPROVED BY: T. Terrel

No. of Copies Requested 4

LEASE AND WELL NO. Nichols #1 TEST NO. 6

TIME: EACH SMALL SQUARE 10 MINS.

PRESSURE: EACH SMALL SQUARE 500 PSI



CHARGES		L-13	
Formation Test at 4985'	' , \$	230.00	
Misrun at	' , \$		
Rental on Tools	—16 Hours at \$2.50		
	Safety Joint		
Dual Wall Packers			
Testing Between Two Packers			
Service Charge			
Mileage Charge	Mls. at		
Bowen Jars		100.00	
Operators' Time	—16 Hours at \$2.50		
Reservoir Sampler			
	Damaged Rubber Packer	X	
		\$ 330.00	

	Field Reading		Corrected Reading	
	TOP	BOTTOM	TOP	BOTTOM
Recorder No.			L-13	
Initial BH Flow	660		645	
Final BH Flow	810		810	
Max. Recorded Shut In	1620		1620	
Initial Hydrostatic	2580		2580	
Final Hydrostatic	2625		2625	



# JOHNSTON TESTERS, INC.

OFFICES: Houston, Texas - Los Angeles, Calif. Test Ticket No. 19801

Date 2-2-55

Customer's Order No. G-83608

COMPANY Gulf Oil Corporation

LEASE AND WELL No. Nickols #1

FIELD Wildcat COUNTY Kiowa STATE Kansas

Mail Inv. To Route #1, Bushton, Kansas

Mail Charts To Gulf Oil corporation, Chase, Kansas

Formation Test No. <u>7</u> OK? <input checked="" type="checkbox"/> Misrun? <input type="checkbox"/>	Casing Test No. <u>---</u> OK? <input type="checkbox"/> Misrun? <input type="checkbox"/>
Total Depth <u>5008'</u>	Total (or PB) Depth <u>---</u>
Interval Tested <u>4999'</u> to <u>5008'</u>	Perforations <u>---</u> to <u>---</u>
Size: Main Hole <u>9"</u> Rat Hole <u>---</u>	Size Casing <u>---</u> Liner <u>---</u>
Packer(s) Set At <u>4999'</u>	Packer(s) Set At <u>---</u>
Packer Size <u>7 1/4</u> Type <u>Bob-tail</u>	Packer Size <u>---</u> Type <u>---</u>
Anchor Length <u>9'</u> Size <u>4-1/2</u> Type <u>---</u>	Anchor Length <u>---</u> Size <u>---</u>
Tool Size <u>Hydra</u> Tool Joint Size <u>4 1/2-F.H.</u>	Tool Size <u>---</u> Tool Joint Size <u>---</u>

Fluid Cushion none Kind - Mud Weight 9.7 Viscosity 50

PRESSURE RECORDERS: Top Make Long Cap 4500 No. L-237 Bottom Make Long Cap 4500 No. L-238

Below Straddle Top Make - Cap --- No. --- Bottom Make --- Cap --- No. ---

RESULTS

Set Packer 7:50AM; Tool Open 2 Hrs. --- Min: Shut-in 1 Hrs. --- Min. Packer Set 3 Hrs. 8 Min.

Size Choke	Max. Press. psi	Time	Description (Rate) of Flow
Surface <u>5/8"</u>	<u>0#</u>	<u>---</u>	<u>---</u>

Information ---

Blow Weak blow through out test. Bottom Choke Size 5/8"

Max. Surface Press. 0# # Did Well Flow? Yes --- No ; Fluid Rise: 264'

Oil, --- Gas, --- Water, --- Mud, --- Sand

REMARKS Recovery: 120' oil and gas cut salt water.

144' gas and distillate out mud.

Max. Temp. °F. ---

Type Circulating Tool --- Pump Press. --- Hrs. --- Min. ---

Bottom Hole Sample Bomb --- Jar: Size 3 1/2 Make Bowen No. 486

Extra Equipment safety joint

Was Choke Plugged?  no Perf. Plugged?  no Other?  no Did Mud Fall During Test?  no

No. Rubbers Damaged? none Tool Rental Time 9 Operator's Time 16

JOHNSTON TESTERS, INC. shall not be liable for damage of any kind to the property or personnel of the party for whom a test is made, or for any loss suffered or sustained directly or indirectly, through or in the course of the use of its equipment, or its statement or opinion concerning the result of any test, all of which loss or damage is assumed by the customer. Tools lost or damaged in the hole shall be paid for at the cost by the party for whom test is made.

OPERATOR: V.C. Yoch

TEST APPROVED BY: T. Terrel

No. of Copies Requested 4

LEASE AND WELL NO. Nickols #1

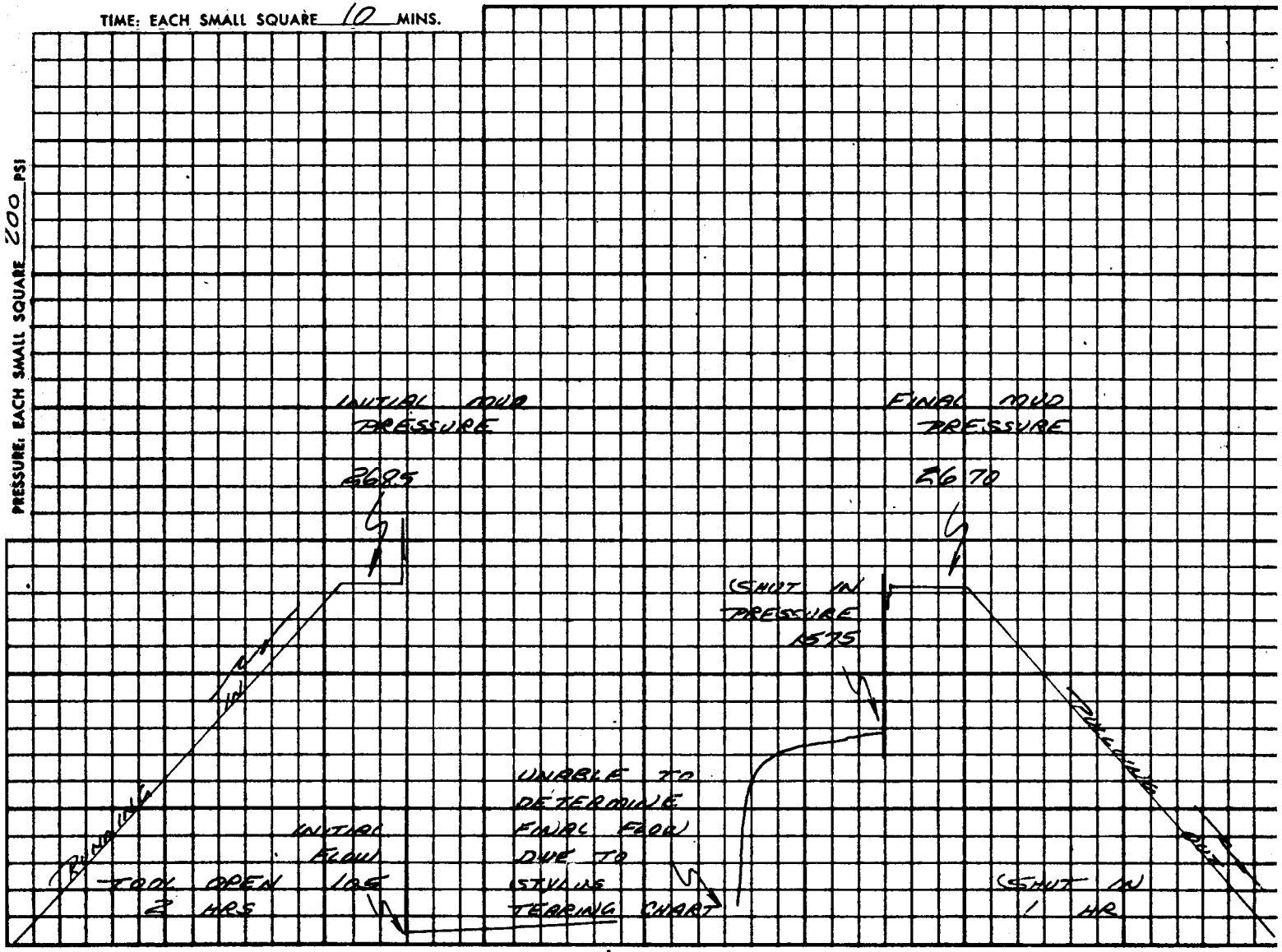
FORMATION

TEST NO.

ne

TIME: EACH SMALL SQUARE 10 MINS.

PRESSURE: EACH SMALL SQUARE 200 PSI



**CHARGES** I-237

Formation Test at 5008	' , \$	250.00
Misrun at	' , \$	
Rental on Tools	—16 Hours at \$2.50	
Homoco Safety Joint		8.50
Dual Wall Packers		
Testing Between Two Packers		
Service Charge		
Mileage Charge	Mls. at	\$ 100.00
Bowen Jars		
Operators' Time	—16 Hours at \$2.50	
Reservoir Sampler		
Damaged Rubber Packer	X	
		\$358.50

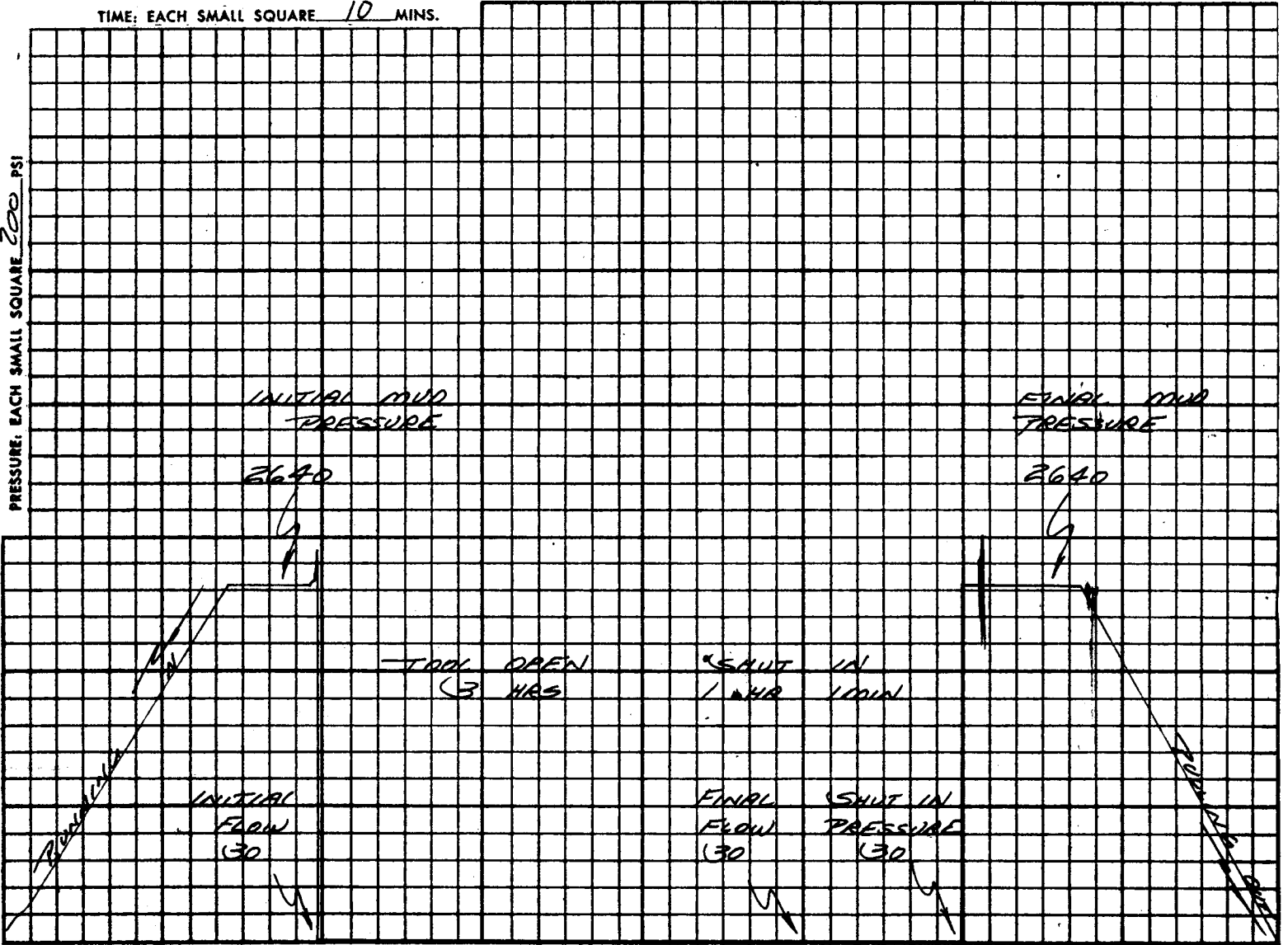
**SUBSURFACE PRESSURE DATA**

	Field Reading		Corrected Reading	
	TOP	BOTTOM	TOP	BOTTOM
Recorder No.			I-237	
Initial BH Flow			105	
Final BH Flow			unable to deter	
Max. Recorded Shut In			1575	
Initial Hydrostatic			2685	
Final Hydrostatic			2670	



TIME: EACH SMALL SQUARE 10 MINS.

PRESSURE: EACH SMALL SQUARE 200 PSI




**CHARGES**

Formation Test at 5027', \$	250.00
Misrun at _____', \$	
Rental on Tools _____—16 Hours at \$2.50	
Safety Joint _____	
Dual Wall Packers _____	
Testing Between Two Packers _____	
Service Charge _____	
Mileage Charge _____ Mls. at _____¢	
Bowen Jars _____	100.00
Operators' Time _____—16 Hours at \$2.50	
Reservoir Sampler _____	
Damaged Rubber Packer _____	X
	<b>\$350.00*</b>

I-237

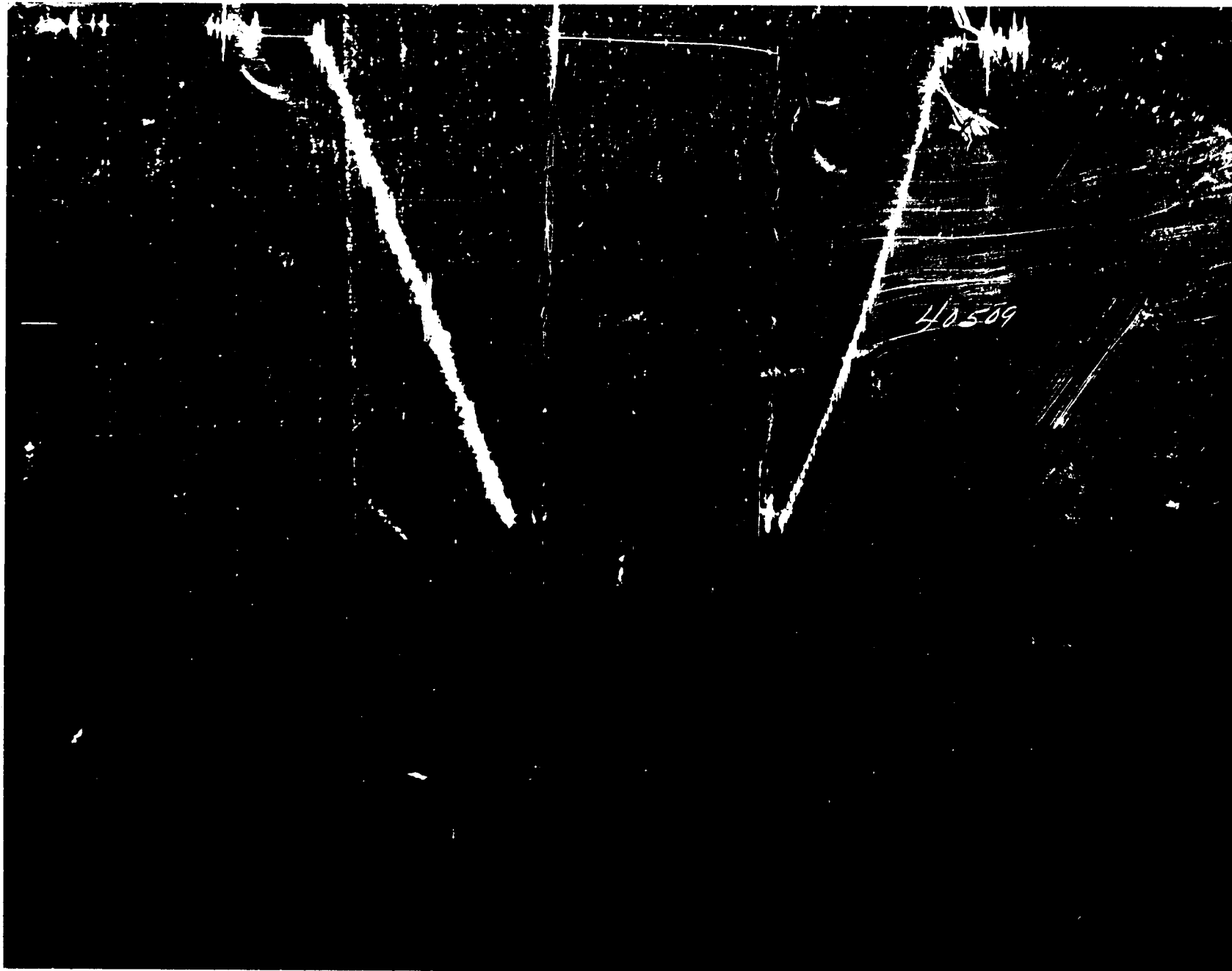
**SUBSURFACE PRESSURE DATA**

	Field Reading		Corrected Reading	
	TOP	BOTTOM	TOP	BOTTOM
Recorder No.			I-237	
Initial BH Flow			30	
Final BH Flow			30	
Max. Recorded Shut In			30	
Initial Hydrostatic			2640	
Final Hydrostatic			2640	

LEASE		WELL NO.	TEST NO.	COMPANY	DISTRICT			
LOCATION	Sec. 20-29s-18e			 <b>Halliburton</b> OIL WELL CEMENTING CO.	Date	2-10-55		
FIELD	Wildcat				Ticket No.	40509		
COUNTY	Kiowa				HOWCO DISTRICT	Pratt		
STATE	Kansas				Kind of Job	Open Hole Test		
CONTRACTOR	Falcon-Seaboard Drlg.			<b>HOLE AND TOOL DATA</b>		Price	\$215.00	
<b>MUD DATA</b>		Total Depth	5448'	Casing Perforations	Top - Bottom -	Second Packer Assembly	-	
Kind	Starch	Top Packer Depth	5443'	Bottom Packer Depth	-	Safety Joint	-	
Weight	9.7 lbs.-gal.	Casing or Hole Size	9"	Liner or Rathole Size	-	Extra Folder Charge	-	
Viscosity	42 Sec.	Formation Tested	Simpson			Shaffer		
Filter Loss	4.4 c. c. Filter Cake 2/32 in.	Size Drill Pipe	4 1/2" x API FH	Size Drill Collars	6 1/4" x 231'	Jars	100.00	
Est. Gauge Depth Temp.	Calc. 120 F°	Size Bottom Choke	3/4"	Size Surface Choke	1"			
Time Tool Open	60 Minutes	Size Hook Wall Packer	-	Size Rings	-	No. Rings	-	
Time Closed In.	60 Minutes	Size D. E. Wall Packer	7 1/4" x 5'	No. Packers	1	Total	\$315.00	
Depth BT. Gauge	5427 Ft.	Size & Length Anchor	4 1/2" x 5'			Witnessed By	Mr. Terrel	
BT. P.R.D. No.	513	PRD Device No.	-	Depth	-	Blanked Off	-	
	Blanked Off No					Tester	Unruh	
12 Hr. Clock No.		922		<b>REMARKS:</b>				
		Opened tool with a very weak blow and died in 40 minutes, Recovered						
Pressure Readings	Field	Office Corrected	85' drilling mud.					
Initial Hydro Mud Pressure		2852 p.s.i.						
Initial Flow Pres.		29 p.s.i.						
Final Flow Pres.		41 p.s.i.						
Closed in Pres.		96 p.s.i.						
Final Hydro Mud Pressure		2836 p.s.i.	Amount of Cushion	None	All depths measured from	Kelly Bushing	No. Folders Reproduced	5

TIME

PRESSURE



Each Horizontal Line Equal to 1000 p.s.i.

NICHOLS

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GULF OIL COMPANY

KANSAS


LEASE

WELL NO.

TEST NO.

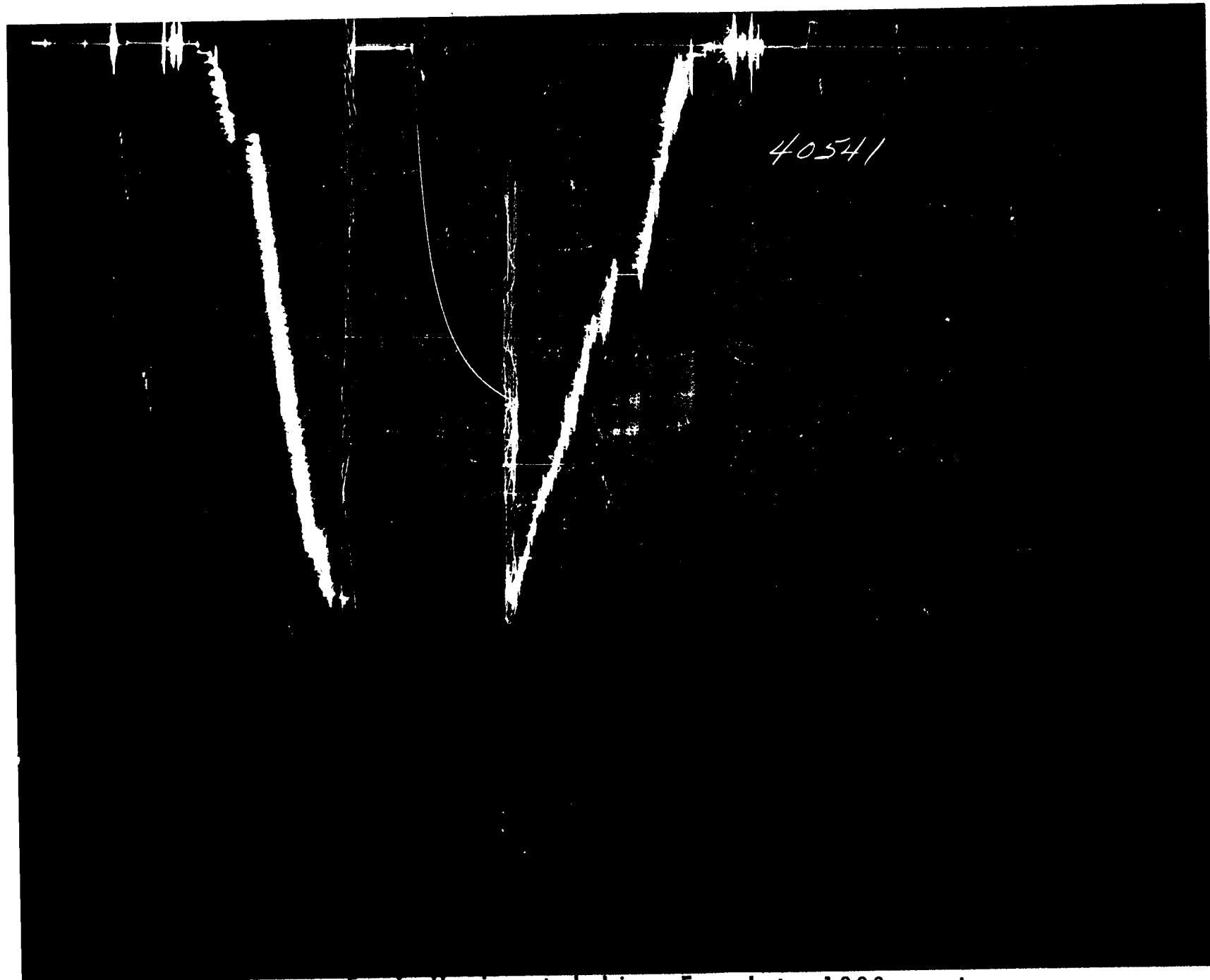
COMPANY

DISTRICT

LOCATION	Sec. 20-29-18e	 <b>Halliburton</b> OIL WELL CEMENTING CO.			Date	2-12-55			
FIELD	Wildcat				Ticket No.	40541			
COUNTY	Kiowa				HOWCO DISTRICT	Pratt			
STATE	Kansas				Kind of Job	Open Hole Test			
CONTRACTOR	Falcon Seaboard Drlg.	<b>HOLE AND TOOL DATA</b>			Price	\$231.00			
<b>MUD DATA</b>		Total Depth	5569'	Casing Perforations	Top - Bottom -	Second Packer Assembly	-		
Kind	Starch	Top Packer Depth	5560'	Bottom Packer Depth	-	Safety Joint	-		
Weight	9.9' lbs.-gal.	Casing or Hole Size	9"	Liner or Rathole Size	-	Extra Folder Charge	-		
Viscosity	42 Sec.	Formation Tested	Simpson Sand	Size Drill Pipe	4 1/2" API FH	Size Drill Collars	5 3/4" x 196' Jars		
Filter Loss	4.2 c. c. Filter Cake 2/32 in.	Size Bottom Choke	3/4"	Size Surface Choke	1"	Total	\$331.00		
Est. Gauge Depth Temp.	Calc. 130 F°	Size Hook Wall Packer	-	Size Rings	-	No. Rings	-		
Time Tool Open	35 Minutes	Size D. E. Wall Packer	7 1/4" ESWP	No. Packers	1	Witnessed By	Mr. Terrel		
Time Closed In.	61 Minutes	Size & Length Anchor	9' of 5" perforation	Blanked Off	Yes	Tester	Mills		
Depth BT. Gauge	5548 Ft.	PRD Device No.	1726	Depth	5565	REMARKS:			
BT. P.R.D. No.	311	Blanked Off	No	12 Hr. Clock No. 1131 Opened tool with a very weak blow and died in 30 minutes. Recovered 35' of drilling mud.					
Pressure Readings	Field	Office Corrected							
Initial Hydro Mud Pressure		2850	p.s.i.						
Initial Flow Pres.		29	p.s.i.						
Final Flow Pres.		29	p.s.i.						
Closed in Pres.		1835	p.s.i.						
Final Hydro Mud Pressure		2843	p.s.i.	Amount of Cushion	None	All depths measured from	Kelly Bushing	No. Folders Reproduced	5

TIME

PRESSURE



Each Horizontal Line Equal to 1000 p.s.i.