

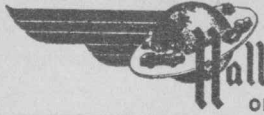
Sutor
LEASE

B-1
WELL NO.

1
TEST NO.

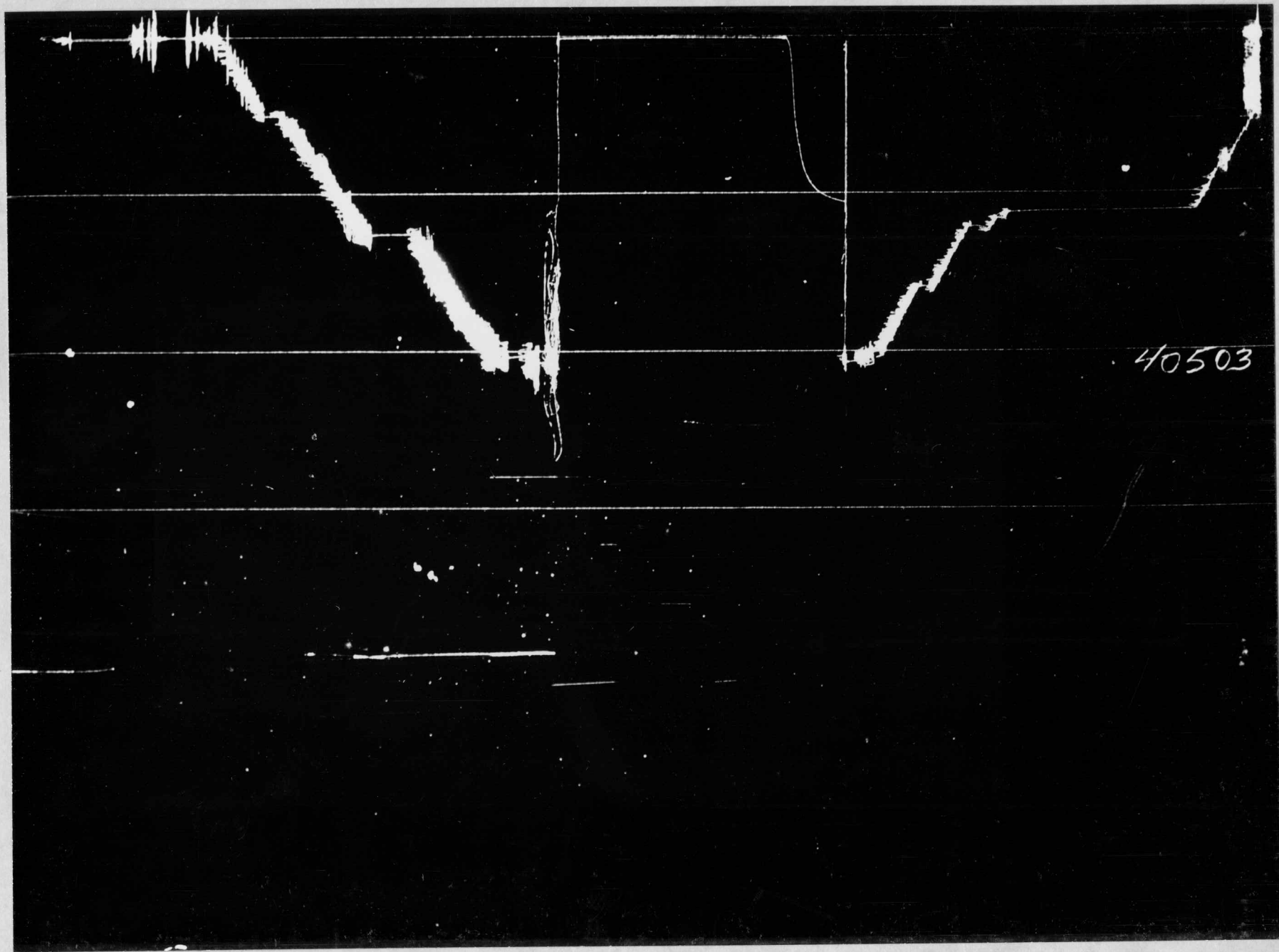
Gulf Oil Corporation
COMPANY

Russell, Kansas
DISTRICT

LOCATION	24-10-20		 Halliburton OIL WELL CEMENTING COMPANY	Date	February 21, 195	
FIELD	Zurick			Ticket No.	40503	
COUNTY	Rooks			HOWCO District	Hill City	
STATE	Kansas			Kind of Job	Open hole test	
CONTRACTOR	Peel Bros. Drilling Co.			Price	\$215.00	
MUD DATA			HOLE & TOOL DATA			
Kind	Starch		Total Depth	3782'	Casing Perforations	Top Bottom
Weight	10.3	lbs.-gal.	Top Packer Depth	3777'	Bottom Packer Depth	-----
Viscosity	36	Sec.	Casing or Hole Size	7 7/8"	Liner or Rathole Size	-----
Filter Loss	12.6	c. c. Filter Cake	Formation Tested	Arbuckle		
	2/32	in.	Size Drill Pipe	4 1/2" & 3 1/2"	Size Drill Collars	61' x 5 3/4"
BT. P.R.D. No.	272	Blanked Off No	Size Bottom Choke	1/2"	Size Surface Choke	1"
6	Hr. Clock No.	1806	Size Tool Valve	1"	Size Pilot Valve	-----
Est. Gauge Depth Temp.	102	°F	Size Hook Wall Packer	-----	Size Rings	-----
Pressure Readings	Field	Office Corrected	Size D. E. Wall Packer	6 1/2"	No. Packers	One
Initial Hydro Mud Pressure	2070	2072 p.s.i.	PRD Device No.	-----	Blanked Off	-----
Initial Flow Pres.	---	11 p.s.i.	Size & Length Anchor	3 1/2" x 5'		
Tool Open	1 hour		REMARKS: Opened tool at 8:13 P.M. with a very weak blow for 20 minutes. Closed in 15 minutes. Recovered 15' of mud.			
Final Flow Pres.	----	11 p.s.i.	Closed in pressure considered false due to no formation recovery.			
Time Closed In	15 minutes					
Closed in Pres.	1060	1055 p.s.i.				
Final Hydro Mud Pressure	2060	2065 p.s.i.				
Amount of Cushion			None		All depths measured from Kelly Bushing	
					No. Folders Reproduced Five	

Total \$215.00
 Witnessed By N. Clarke
 Tester L.S. Rhoads

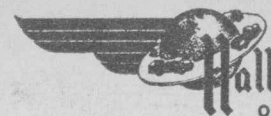
TIME



40503

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

LOCATION	24-10-20	
FIELD	Berland	
COUNTY	Rooks	
STATE	Kansas	
CONTRACTOR	Peel Bros. Drilling	
MUD DATA		
Kind	Starch	
Weight	10.5	lbs.-gal.
Viscosity	41	Sec.
Filter Loss	15	c. c. Filter Cake 2/32 in.
BT. P.R.D. No.	297	Blanked Off No
	12	Hr. Clock No. 1101
Est. Gauge Depth Temp.	101	°F
Pressure Readings	Field	Office Corrected
Initial Hydro Mud Pressure	2100	2100 p.s.i.
Initial Flow Pres.	18	18 p.s.i.
Tool Open	30 minutes	
Final Flow Pres.	102	102 p.s.i.
Time Closed In	15 minutes	
Closed In Pres.	1054	1052 p.s.i.
Final Hydro Mud Pressure	2886	2086 p.s.i.



HOLE & TOOL DATA			
Total Depth	Casing Perforations	Top	
		Bottom	
3816'			
Top Packer Depth	Bottom Packer Depth		
3778'		----	
Casing or Hole Size	Liner or Rathole Size		
7 7/8"		----	
Formation Tested	Arbuckle		
Size Drill Pipe	Size Drill Collars	5 3/4" x 63.99'	
4 1/2"			
Size Bottom Choke	Size Surface Choke	3/8"	
1/2"			
Size Tool Valve	Size Pilot Valve	-----	
1"			
Size Hook Wall Packer	Size Rings	No. Rings	-----

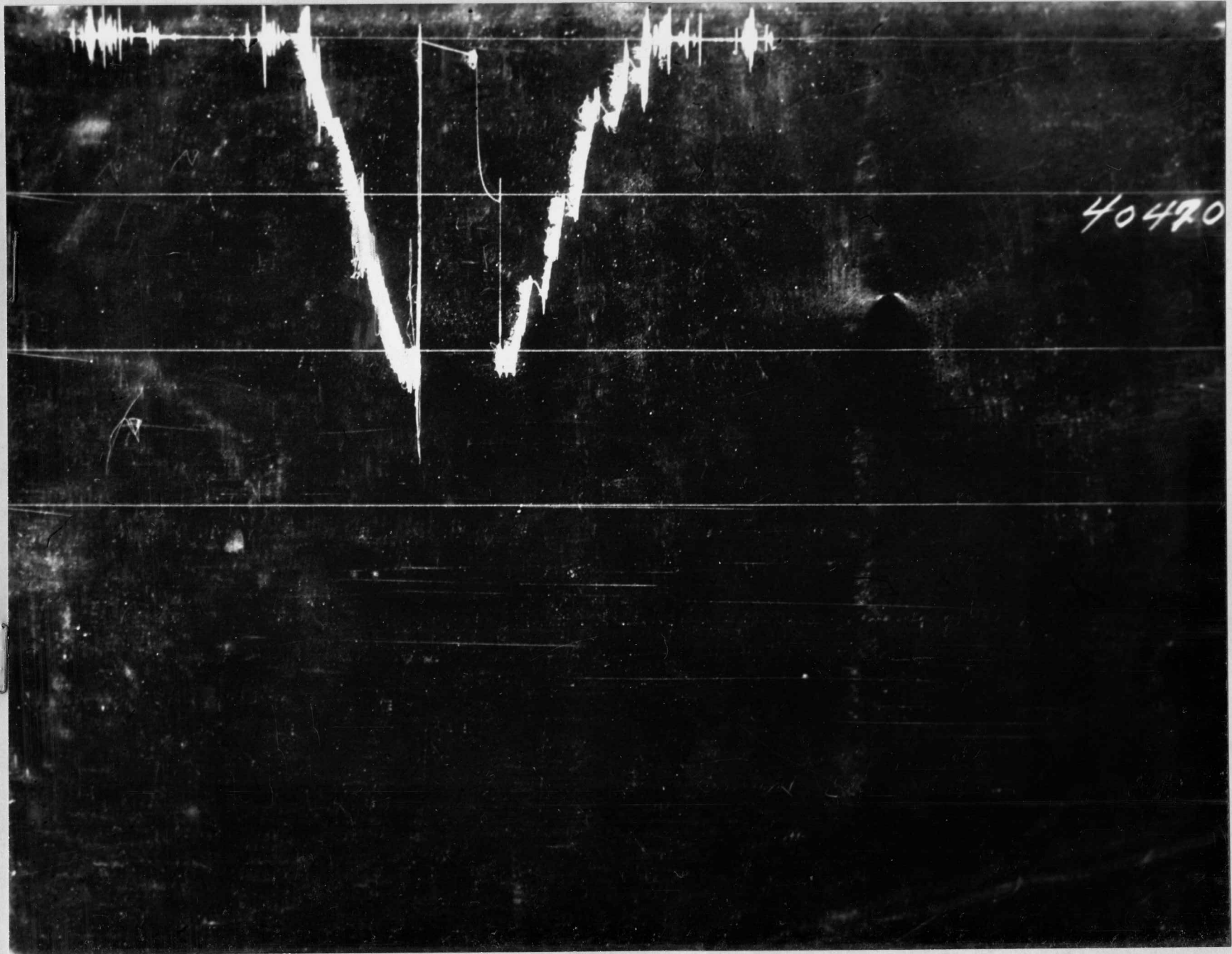
Size D. E. Wall Packer	6 3/4" DEWP	No. Packers	One
PRD Device No.	1536	Blanked Off	Yes
Size & Length Anchor	4 1/2" x 38'		

Date	February 23, 1952		
Ticket No.	40470-T		
HOWCO District	Plainville		
Kind of Job	Open hole test		
Price	\$215.00		
Second Packer Assembly	-----		
Safety Joint	-----		
Extra Folder Charge	-----		
Jars	-----		
Total	\$215.00		
Witnessed By	Mr. E.L. Simonton		
Tester	T.D. Pugh, Jr.		

REMARKS: Run J-20 positive closed-in pressure valve, and found hole in good shape. Opened tool at 3:35 A.M. with a blow, and had 3" water pressure in 2 minutes that increased to greater than 8" pressure in 15 minutes. Closed tool at 4:05 A.M. Off bottom at 4:20 A.M. Lost approximately 20' of mud. Recovered 215' of muddy water.

Amount of Cushion None
All depths measured from Kelly Bushing
No. Folders Reproduced Five

TIME



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