



LOCATION	28-32-7	WELL NO.	1	TEST NO.	1	COMPANY	GULF OIL CORPORATION	KANSAS DISTRICT
FIELD	S/W Harper							
COUNTRY	Harper							
STATE	Kansas							
CONTRACTOR	Garvey Drilling Co.							
MUD DATA								

HOLE AND TOOL DATA

Total Depth	4485'	Casing Perforations	Top - Bottom -	Kind of Job	Open Hole
Top Packer Depth	4445'	Bottom Packer Depth	-	Price	\$215.00
Casing or Hole Size	7 7/8"	Liner or Rathole Size	-	Second Packer Assembly	-
Formation Tested	Mississippi				
Size Drill Pipe	4 1/2" API FH	Size Drill Collars	5 3/4" x 120'	Safety Joint	-
Size Bottom Choke	5/8"	Size Surface Choke	1"	Extra Folder Charge	-
Size Hook Wall Packer	-	Size Rings	-	No. Rings	-
Size D. E. Wall Packer	6 3/4" ESA	No. Packers	1	Shafter Jars	100.00

Est. Gauge Depth Temp.	110	F°			
Time Tool Open	1 Hour				
Time Closed In.	15 Minutes				
Depth BT. Gauge	4476'	Ft.			
BT. P.R.D. No.	375	Blanked Off	Yes		

Pressure Readings	Field	Office Corrected			
Initial Hydro Mud Pressure		2436	p.s.i.		
Initial Flow Pres.		61	p.s.i.		
Final Flow Pres.		90	p.s.i.		
Closed in Pres.		1254	p.s.i.		
Final Hydro Mud Pressure		2402	p.s.i.		

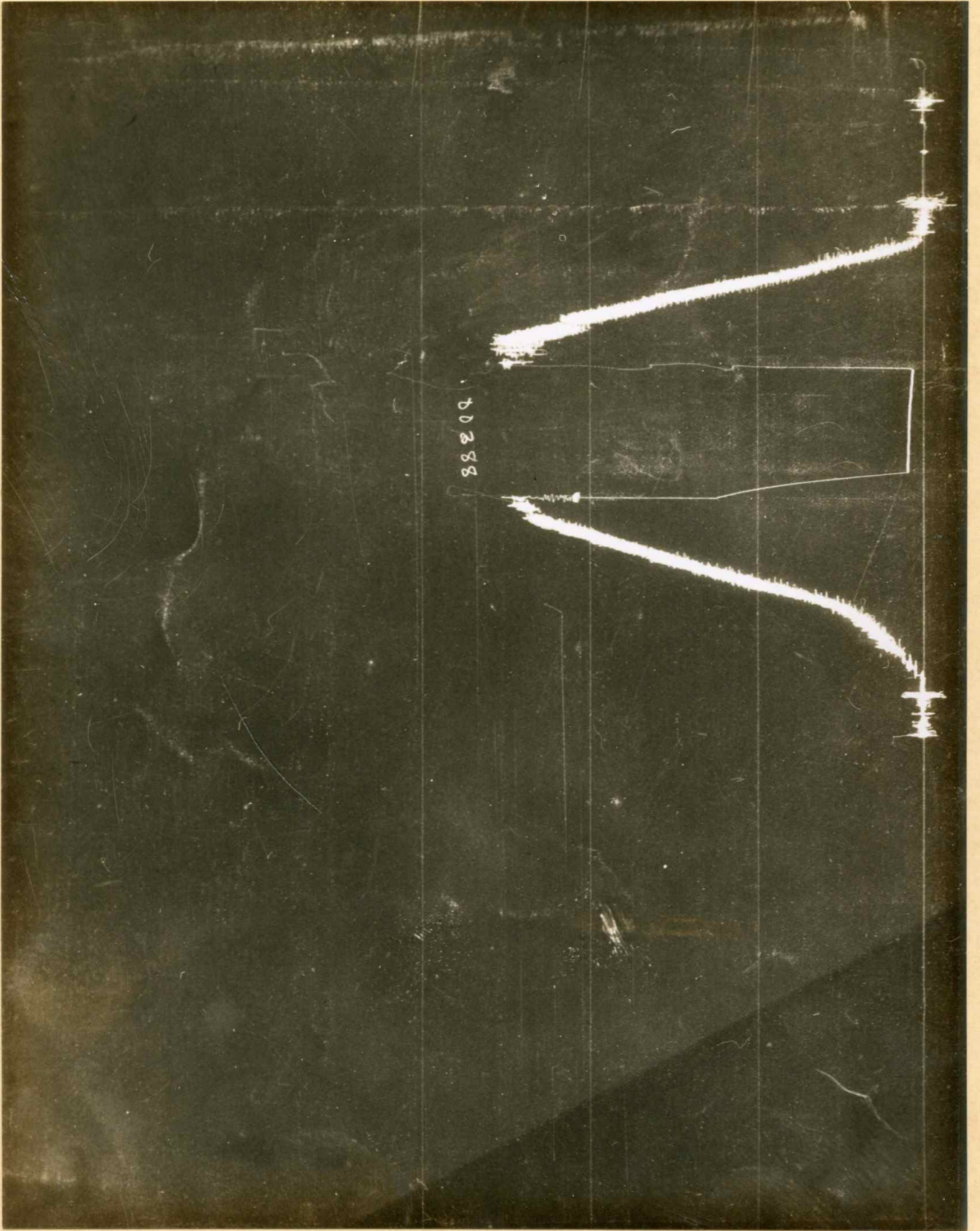
12 Hr. Clock No. 1550

REMARKS: Tool opened with a strong blow. Gas to surface in 13 minutes but too weak to gauge. Recovered 185' of gas cut mud.

Amount of Cushion	None	All depths measured from	Kelly Bushing	No. Folders Reproduced	5
Witnessed By	E. Simonton	Tester	P. T. Hillard	Total	\$315.00

PRESSURE

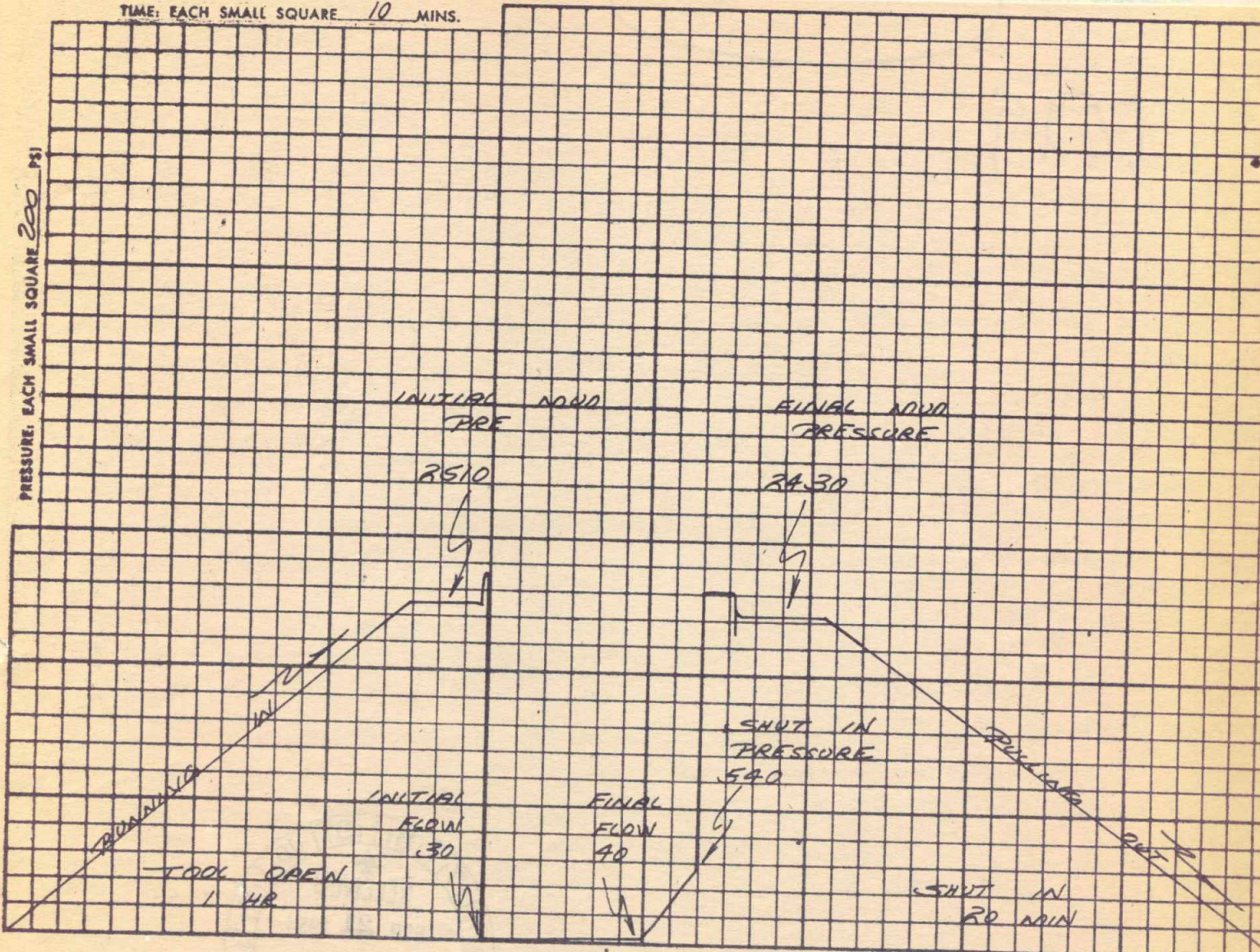
TIME



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

TIME: EACH SMALL SQUARE 10 MINS.

PRESSURE: EACH SMALL SQUARE 200 PSI



CHARGES

Formation Test at 4836 1/2'	\$ 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 _____¢	
Jars _____	
Operators' Time _____	—16 Hours at \$2.50
Reservoir Sampler _____	
Damaged Rubber Packer _____	X

L-426

SUBSURFACE PRESSURE DATA

	Field Reading		Corrected Reading	
	TOP	BOTTOM	TOP	BOTTOM
Recorder No.				L-426
Initial BH Flow				30
Final BH Flow				40
Max. Recorded Shut In				540
Initial Hydrostatic				2510
Final Hydrostatic				2430



JOHNSTON TESTERS, INC.

OFFICES: Houston, Texas - Los Angeles, Calif. Test Ticket No. 2427

WR
28-325-7W

Date 9-12-54 Customer's Order No. G-63046
 COMPANY Gulf Oil Company
 LEASE AND WELL No. Stevens #A1
 FIELD S.W. Harper COUNTY Harper STATE Kansas
 Mail Inv. To Box 544, Chase, Kansas
 Mail Charts To Same

Formation Test No. <u>2</u> OK? <input type="checkbox"/> Misrun? <input type="checkbox"/>	Casing Test No. _____ OK? <input type="checkbox"/> Misrun? <input type="checkbox"/>
Total Depth <u>4849'</u>	Total (or PB) Depth _____
Interval Tested <u>4837'</u> to <u>4849'</u>	Perforations _____ to _____
Size: Main Hole <u>7 7/8</u> Rat Hole _____	Size Casing _____ Liner _____
Packer(s) Set At <u>4837'</u>	Packer(s) Set At _____
Packer Size <u>6 1/2</u> Type <u>B.T.</u>	Packer Size _____ Type _____
Anchor Length <u>12'</u> Size <u>4 1/2</u> Type <u>flush</u>	Anchor Length _____ Size _____
Tool Size <u>3 1/2</u> Tool Joint Size <u>3 1/2</u>	Tool Size _____ Tool Joint Size _____

Fluid Cushion None Kind _____ Mud Weight 10.3 Viscosity 43
 PRESSURE RECORDERS: Top Make Long Cap 4500 No; L216 Bottom Make Long Cap 4500 No. L-199
 Below Straddle Top Make _____ Cap _____ No; _____ Bottom Make _____ Cap _____ No. _____

RESULTS
 Set Packer 5:28M; Tool Open _____ Hrs. 30 Min: Shut-in _____ Hrs. 20 Min. Packer Set _____ Hrs. 50 Min.
 Size Choke _____ Max. Press. psi _____ Time _____ Description (Rate) of Flow _____
 Surface 1/2" _____
 Information _____

Blow Strong of air for 3 minutes then gas. Bottom Choke Size 5/8"
 Max. Surface Press _____ # Did Well Flow? Yes No _____; Fluid Rise: 1260'
960' Oil, _____ Gas, _____ Water, 300' oil cut Mud, _____ Sand

REMARKS _____

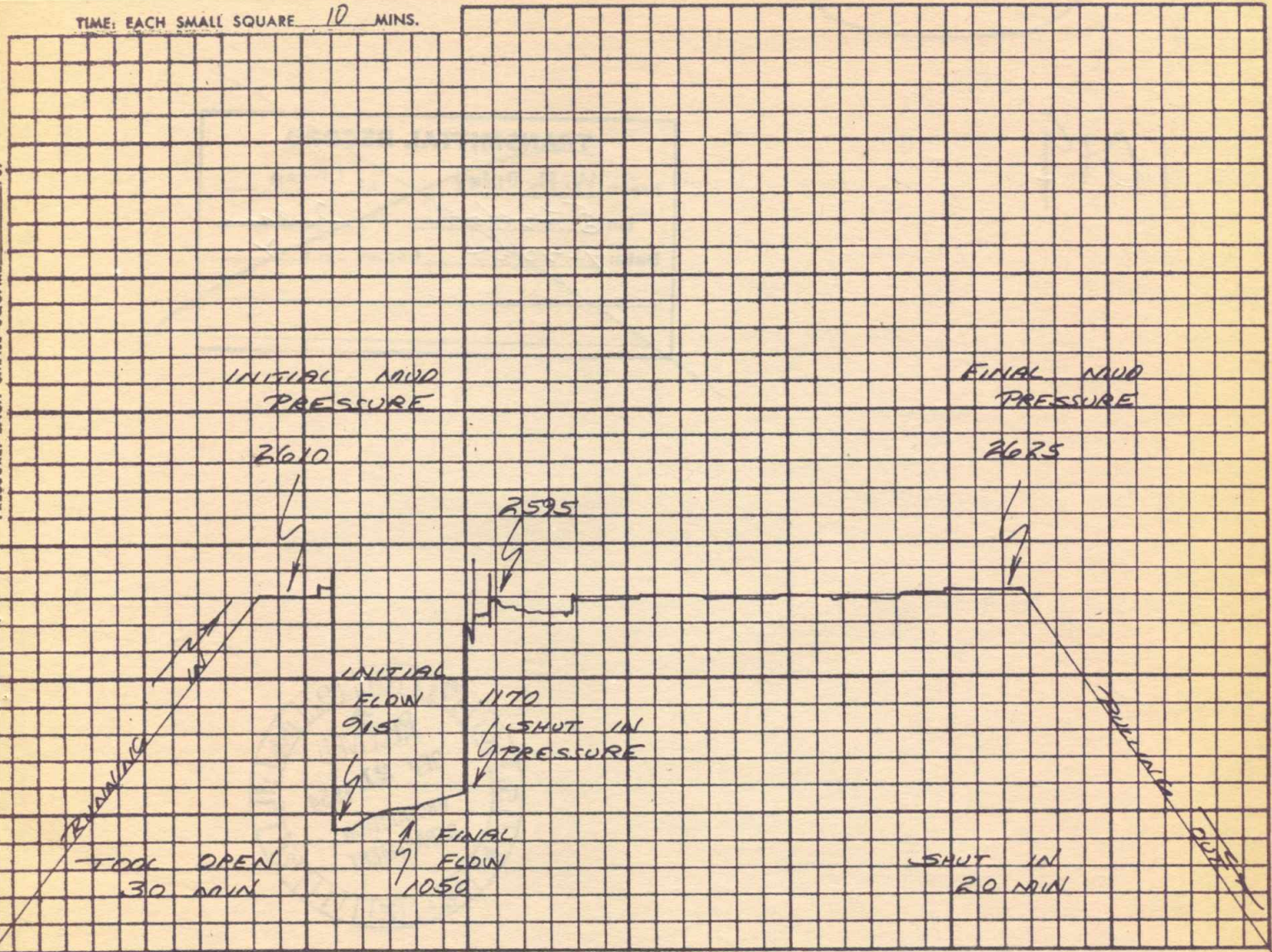
 _____ Max. Temp. °F _____
 Type Circulating Tool _____ Pump Press. _____ Hrs. _____ Min. _____
 Bottom Hole Sample Bomb _____ Jar: Size _____ Make _____ No. _____
 Extra Equipment None
 Was Choke Plugged? no Perf. Plugged? no Other? _____ Did Mud Fall During Test? no
 No. Rubbers Damaged? no Tool Rental Time 24 Operator's Time 27

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: G.R. Jones TEST APPROVED BY: T. Tenel
 No. of Copies Requested 4

LEASE AND WELL NO. _____ STEVENS #2 FORMATION TEST NO. 2

TIME: EACH SMALL SQUARE 10 MINS.



CHARGES		L-216
Formation Test at 4847'	\$	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	\$
	Jars	
Operators' Time	—16 Hours at \$2.50	
Reservoir Sampler		
	Damaged Rubber Packer	X

	Field Reading		Corrected Reading	
	TOP	BOTTOM	TOP	BOTTOM
Recorder No.			L-216	
Initial BH Flow			915	
Final BH Flow			1050	
Max. Recorded Shut In			1170	
Initial Hydrostatic			2610	
Final Hydrostatic			2625	



Date 9-15-54
 Ticket No. 05797
 HOWCO DISTRICT K10wa
 Kind of Job Open Hole

HOLE AND TOOL DATA

Total Depth	4849'	Casing Perforations	
		Top	Bottom
Top Packer Depth	4834'	Bottom Packer Depth	-
Casing or Hole Size	7 7/8"	Liner or Rathole Size	-
Formation Tested	Simpson		

Size Drill Pipe	4 1/2" API FH	Size Drill Collars	5 3/4" x 122.61	Jars	100.00
Size Bottom Choke	5/8"	Size Surface Choke	1 1/2" 9 Hours	Extra Time	20.00
Size Hook Wall Packer	-	Size Rings	-	No. Rings	-
Size D. E. Wall Packer	6 3/4" S.E.W.P.	No. Packers	1	Total	\$ 335.00

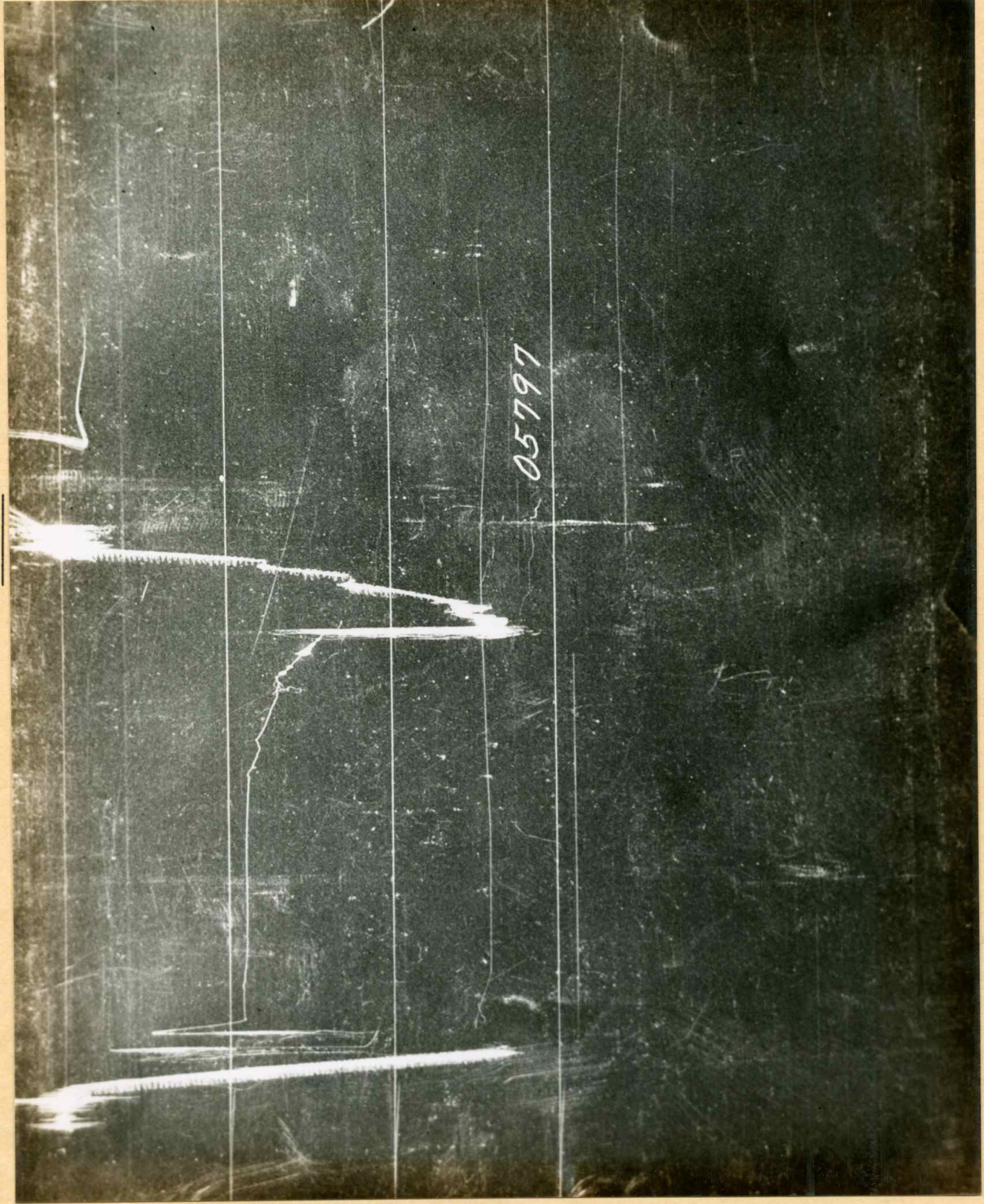
Time Closed In.	1 1/2 Hours	Size & Length Anchor	5" x 15'	Blanked Off	Yes	Tester	L.A. Dugan
Depth BT. Gauge	4821'	PRD Device No.	1872	Depth	4844'	Remarks: Ran disc valve 120' above tool. Set packer, opened tool and took 30 minute initial closed in pressure. Dropped bar to break disc and received gas to surface in 45 seconds making 270 MCF in 30 minutes, decreasing to 146 MCF at end of test. Flowed 119.60 BLS of oil in 12 hours - Reversed oil from pipe.	

Pressure Readings	Field	Office Corrected	
Initial Hydro Mud Pressure	2642	2666	p.s.i.
Initial Flow Pres.	516	636	p.s.i.
Final Flow Pres.	1287	1298	p.s.i.

Initial	1889	1888	
Closed in Pres	Final 1605	1589	p.s.i.
Final Hydro Mud Pressure	2626	2666	p.s.i.

Amount of Cushion	None	All depths measured from	1413 D.F.
No. Folders Reproduced	5		

TIME



PRESSURE

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

Company GULF OIL CORPORATION Date 9-15-54

Lease STEVENS Well No. 1 Ticket No. 05797

Test No. 4

	Time	PSI
Initial Hydro Mud Pressure	-	2666
Initial Closed In Pressure	30 Mins.	1888
Initial Flow	-	636
Final Flow	12 Hours	1298
Final Closed In Pressure	1½ Hours	1589
Final Hydro Mud Pressure	-	2666

Total Depth 4849'

Packer Depth 4834'

BT No. 297 Depth 4821'

48 Hr. Clock No. 3105

Temperature Corrected to 120 ° F.

	Initial CIP			Flow Pressure			Final CIP		
	Time Defl. .000"	PSI Defl. .000"	PSI Temp. Corr.	Time Defl. .000"	PSI Defl. .000"	PSI Temp. Corr.	Time Defl. .000"	PSI Defl. .000"	PSI Temp. Corr.
P0	.000	.170	292						
P1	.0055	1.091	1834						
P2	.011	1.099	1848	See Attached page for flowing pressure divided into 15 minute intervals.			SEE NOTE		
P3	.0165	1.104	1856						
P4	.022	1.108	1863						
P5	.0275	1.112	1870						
P6	.033	1.115	1875						
P7	.0385	1.117	1878						
P8	.044	1.119	1881						
P9	.0495	1.121	1885						
P10	.055	1.123	1888						
	Minute Intervals			Minute Intervals			Minute Intervals		

Remarks: Note: Final closed in pressure was not cut into intervals due to
to character of curve.

	<u>TIME</u> <u>DEFL.</u> <u>.000"</u>	<u>PSI</u> <u>DEFL.</u> <u>.000"</u>	<u>PSI</u> <u>TEMP.</u> <u>CORR.</u>
P0	.000	.313	636
P1	.0275	.545	922
P2	.055	.645	1089
P3	.0825	.643	1085
P4	.110	.643	1085
P5	.1375	.643	1085
P6	.165	.640	1080
P7	.1925	.646	1090
P8	.220	.647	1092
P9	.2475	.651	1099
P10	.275	.654	1104
P11	.3025	.655	1106
P12	.330	.656	1107
P13	.3575	.656	1107
P14	.385	.657	1109
P15	.4125	.657	1109
P16	.440	.657	1109
P17	.4675	.657	1109
P18	.495	.657	1109
P19	.5225	.657	1109
P20	.550	.657	1109
P21	.5775	.657	1109
P22	.605	.656	1107
P23	.6325	.656	1107
P24	.660	.656	1107
P25	.6875	.657	1109
P26	.715	.657	1109
P27	.7425	.658	1111
P28	.770	.658	1111
P29	.7975	.659	1112
P30	.825	.660	1114
P31	.8525	.662	1117
P32	.880	.663	1119
P33	.9075	.665	1122
P34	.935	.666	1124
P35	.9625	.663	1119
P36	.990	.681	1149
P37	1.0175	.693	1169
P38	1.045	.703	1186
P39	1.0725	.702	1184
P40	1.100	.704	1187
P41	1.1275	.720	1214
P42	1.155	.731	1233
P43	1.1825	.742	1251
P44	1.210	.752	1267
P45	1.2375	.765	1289
P46	1.265	.772	1301
P47	1.2925	.778	1311
P48	1.320	.770	1298