

Initial Closed In Time 30 Minutes			Date 11-24-60	
Tool Open Flow Period 1st 4 2nd 60 Minutes			Ticket No. 158984	
Final Closed In Time 30 Minutes			HOWCO DISTRICT Great Bend	
Depth Top Gauge 4360 Ft. Blanked Off No			Kind of Job Open Hole	
BT. P.R.D. No 375 12 Hr. Clock		CONTRACTOR Peel Bros Drlg Co.		
Pressure Readings Field Office Corrected		HOLE & TOOL DATA		
Initial Hydro Mud Pressure 2198		Elevation 2719' DF	Top Packer Depth -	
Initial Closed in Pres. 11		Total Depth 4391'	Bottom Packer Depth 4369'	
Initial Flow Pres. 10-7		Casing or Hole Size 7 7/8"	Size & Type Wall Packer 6 3/4" SEWP	
Final Flow Pres. 10-8		Liner or Rathole Size -	Size Bottom Choke 5/8"	
Final Closed in Pres. 15		Casing Perforations Top Bottom	Size Surface Choke 3/4"	
Final Hydro Mud Pressure 2198		Interval Tested 4369-4391'	ID & Length Air Chamber -	
Depth Center Gauge Ft. Blanked Off		Formation Tested Marmaton	ID & Length Drill Collars -	
BT. P.R.D. No Hr. Clock		Est. Gauge Depth Temp. calc 110°F	Size Drill Pipe 4 1/2" Acme	
Pressure Readings Field Office Corrected		MUD DATA Weight 9.7	Viscosity 40	
Initial Hydro Mud Pressure		All depths measured from Kelly Bushing	No...Folders Reproduced 5	
Initial Closed in Pres.		REMARKS: Tool open at 10:32 AM with a weak		
Initial Flow Pres.		blow, dead in 2 mins. Closed for 30 mins		
Final Flow Pres.		initial closed in pressure. Reopen tool at		
Final Closed in Pres.		11:06 with no blow. Flushed tool at 11:46		
Final Hydro Mud Pressure		with about 3 bubbles. Closed for final closed		
Depth Bottom Gauge 4387 Ft. Blanked Off Yes		in pressure, at 12:06. Off bottom at 12:36PM		
BT. P.R.D. No 192 Hr. Clock		No special reading adaptable.		
Pressure Readings Field Office Corrected				
Initial Hydro Mud Pressure				
Initial Closed in Pres.		Recovered	Feet of	
Initial Flow Pres.		Recovered 3	Feet of drlg mud	
Final Flow Pres.		Recovered	Feet of	
Final Closed in Pres.		Recovered	Feet of	
Final Hydro Mud Pressure		Witnessed By F. P. McCollum		
Amount-Type of Cushion -		Tester J. H. Guthrie		

LOCATION 9-20-27 C NW SW

FIELD WILDCAT

COUNTY

LANE

STATE KANSAS

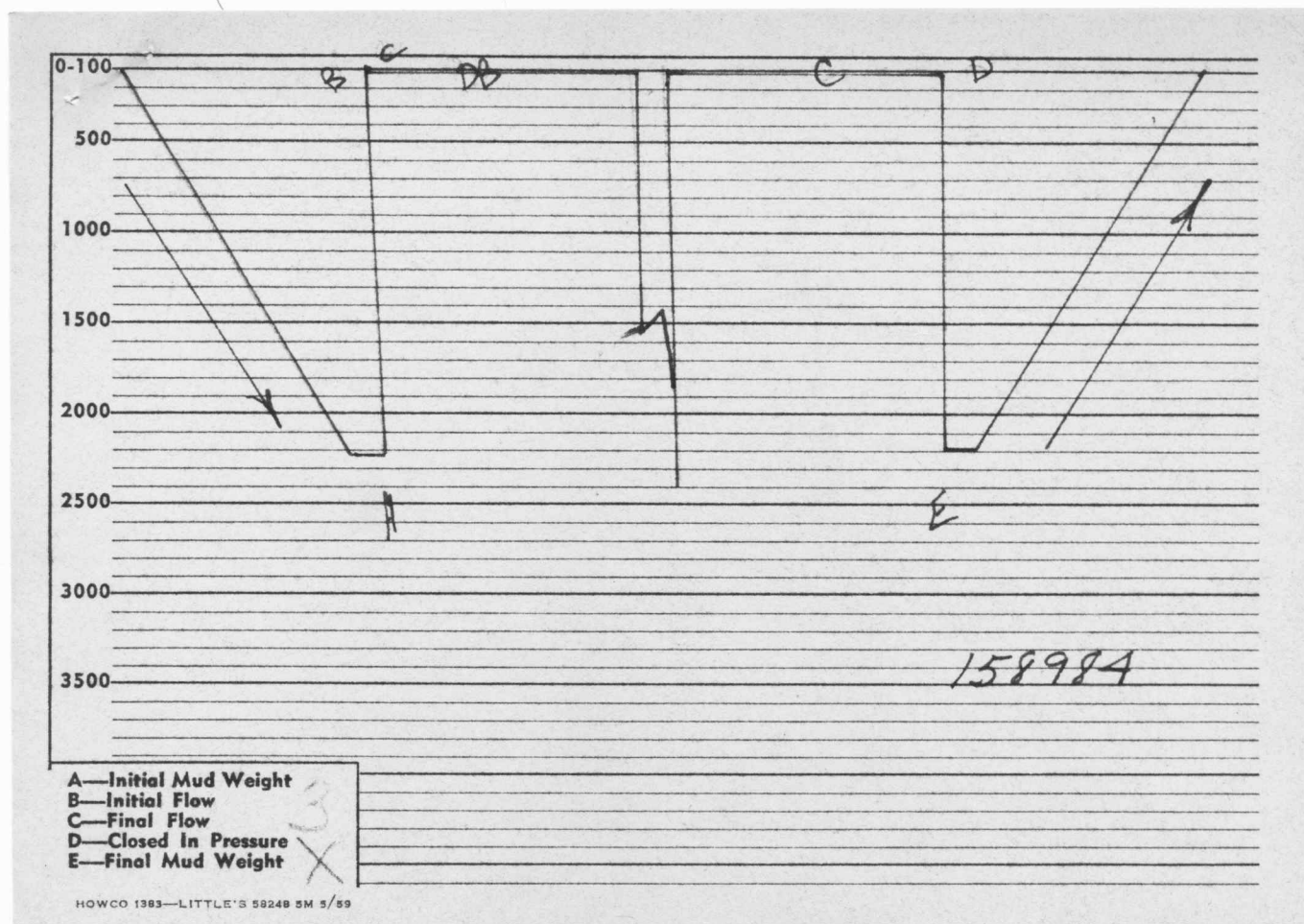
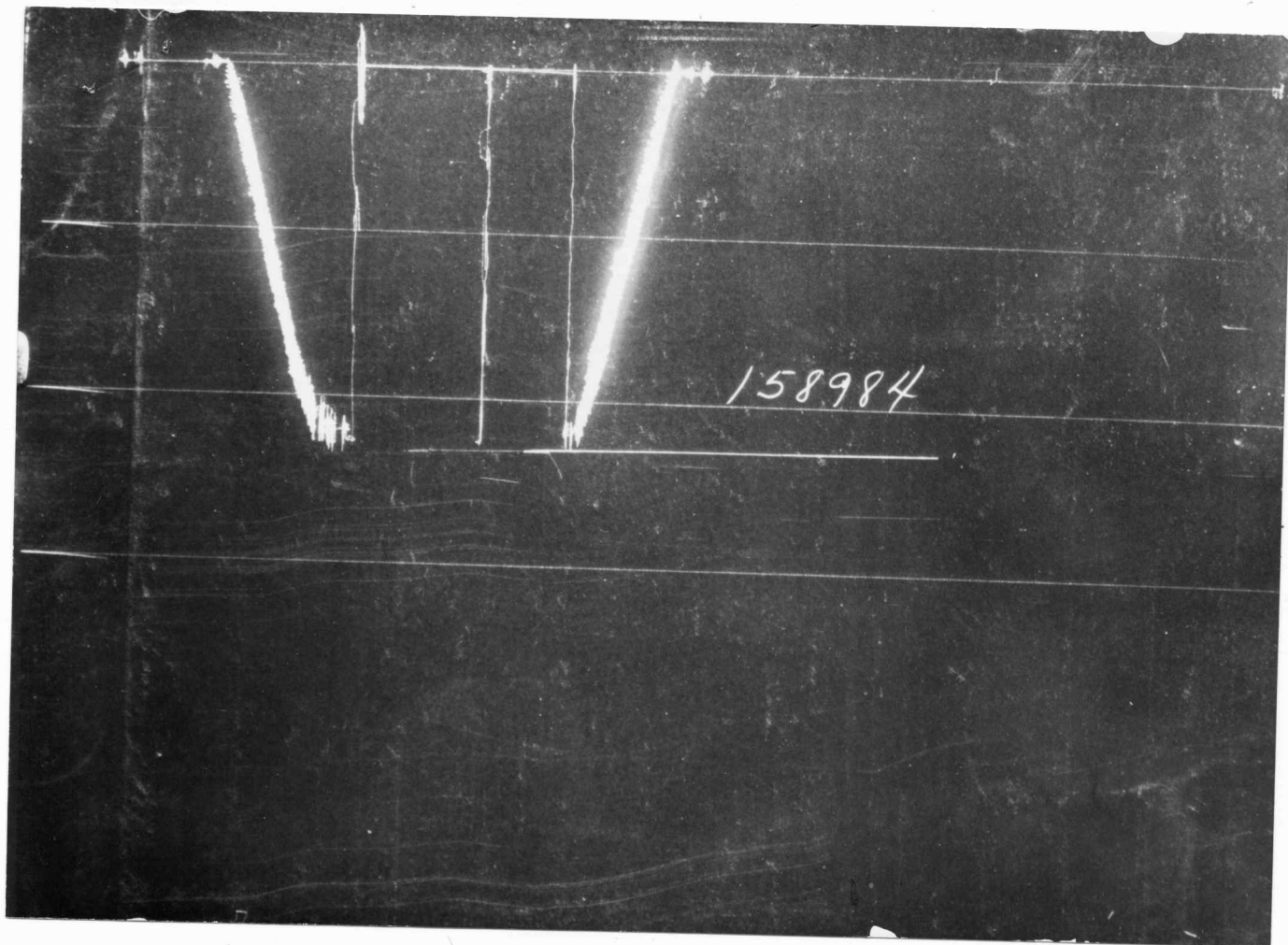
LEASE NAME LEWIS

WELL NO. C-1

TEST NO. 1

CITIES SERVICE OIL COMPANY
LEASE OWNER

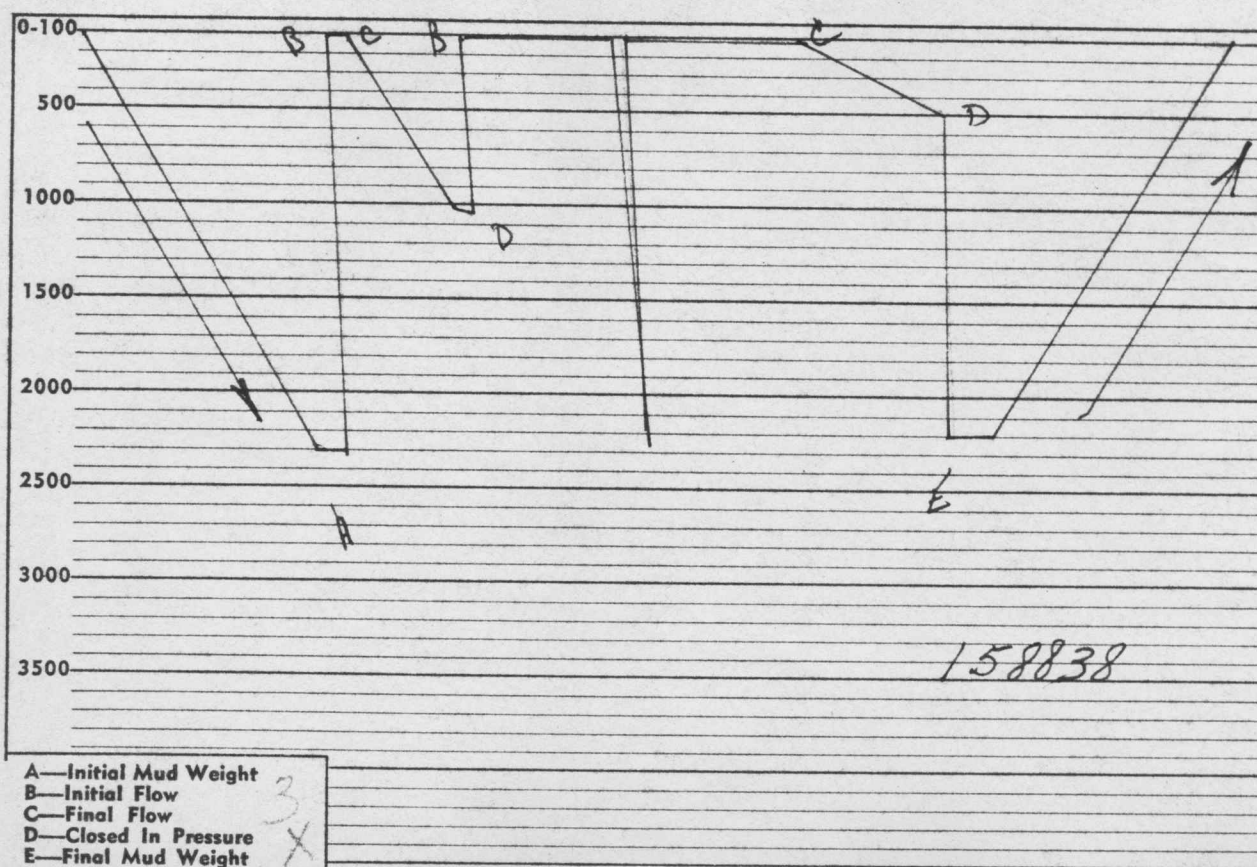
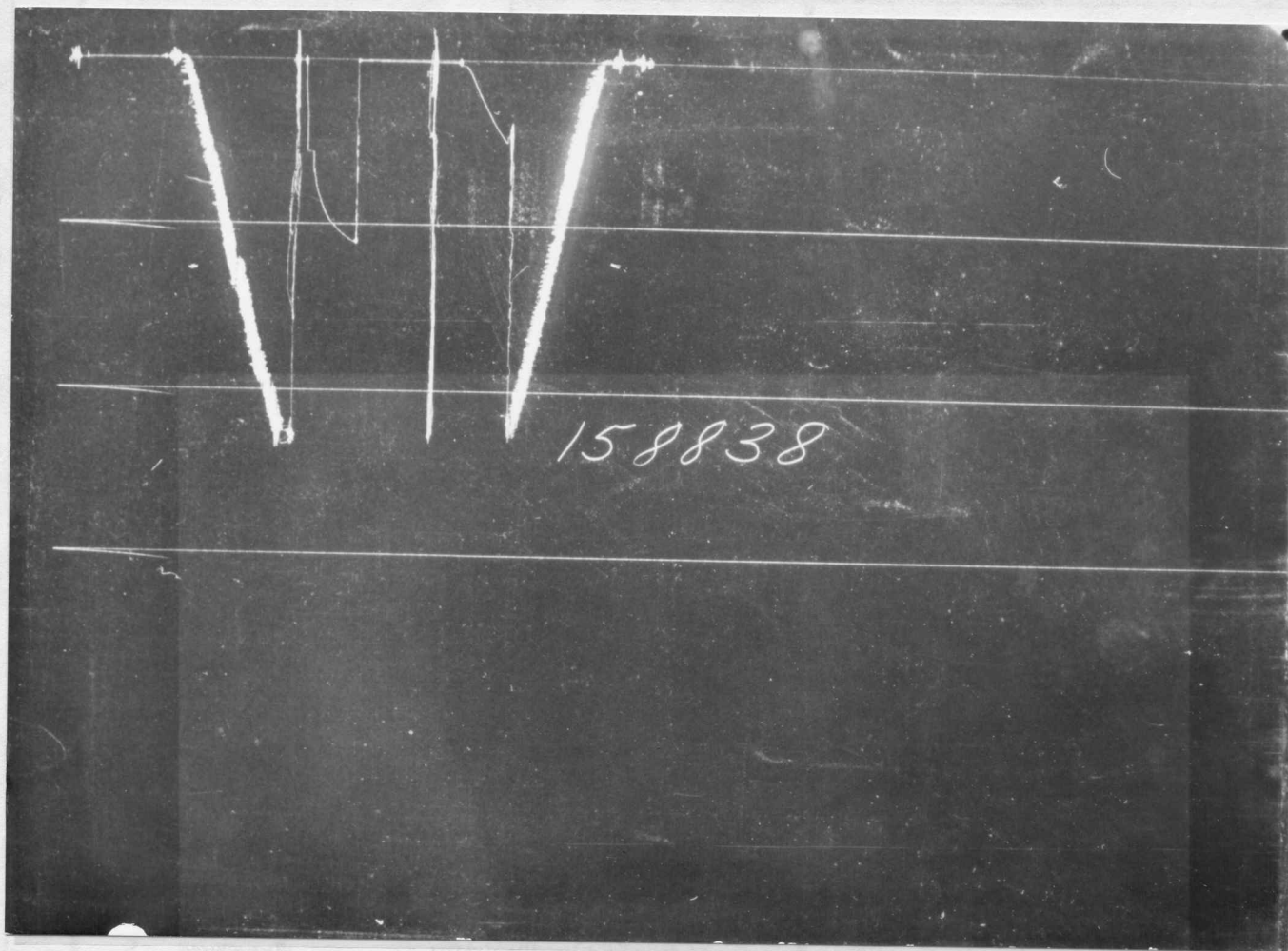
GREAT BEND
OWNERS DISTRICT



Initial Closed In Time 30 Minutes				Date 11-25-60	
Tool Open 1st 5 / 2nd 60 Minutes				Ticket No. 158838	
Final Closed In Time 30 Minutes				Halliburton District Great Bend	
Depth Top Gauge 442 Ft.				Kind of Job Open Hole	
BT. P.R.D. No 375			CONTRACTOR PEEL BROTHERS DRILLING COMPANY		
Pressure Readings Field			HOLE & TOOL DATA		
Initial Hydro Mud Pressure 2300			Elevation 2770 D.F.	Top Packer Depth 4430'	
Initial Closed in Pres. 1095			Total Depth 4478'	Bottom Packer Depth -	
Initial Flow Pres. -			Casing or Hole Size 7 7/8"	Size & Type Wall Packer 6 3/4" ESWP	
Final Flow Pres. 15			Liner or Rathole Size 7 7/8"	Size Bottom Choke 3/4"	
Final Closed in Pres. 490			Casing Perforations	Size Surface Choke 1/8"	
Final Hydro Mud Pressure 2270			Interval Tested 4430-4478'	ID & Length Air Chamber 5" DCIP	
Depth Center Gauge 4474 Ft.			Formation Tested Marmaton	ID & Length Drill Collars -	
BT. P.R.D. No 192			Est. Gauge Depth Temp. Calc. 110 F°	Size Drill Pipe 4 1/2" Acme	
Pressure Readings Field			MUD DATA Weight 9.6	Viscosity 47	
Initial Hydro Mud Pressure			All depths measured from Kelly Bushing No...Folders Reproduced 5		
Initial Closed in Pres.			REMARKS: Tool opened for 5 minutes first flow		
Initial Flow Pres.			Rotated tool for 30 minutes Initial closed		
Final Flow Pres.			in pressure. Tool opened with a very weak		
Final Closed in Pres.			blow. Flushed anchor for 45 minutes with a		
Final Hydro Mud Pressure			very weak blow.		
Depth Bottom Gauge Ft.			Blanked Off		
BT. P.R.D. No			Hr. Clock		
Pressure Readings Field			Office Corrected		
Initial Hydro Mud Pressure					
Initial Closed in Pres.			Recovered 15 Feet of mud		
Initial Flow Pres.			Recovered Feet of		
Final Flow Pres.			Recovered Feet of		
Final Closed in Pres.			Recovered Feet of		
Final Hydro Mud Pressure			E McCallam		
Amount-Type of Cushion			Witnessed By R.L. Tharp		
			Tester		

LOCATION 9-20-27
 FIELD WILDCAT
 COUNTY KANSAS
 STATE KANSAS

LEASE NAME LEMIS
 WELL NO. C-1
 TEST NO. 2
 LEASE OWNER CITIES SERVICE OIL COMPANY
 OWNERS DISTRICT GREAT BEND

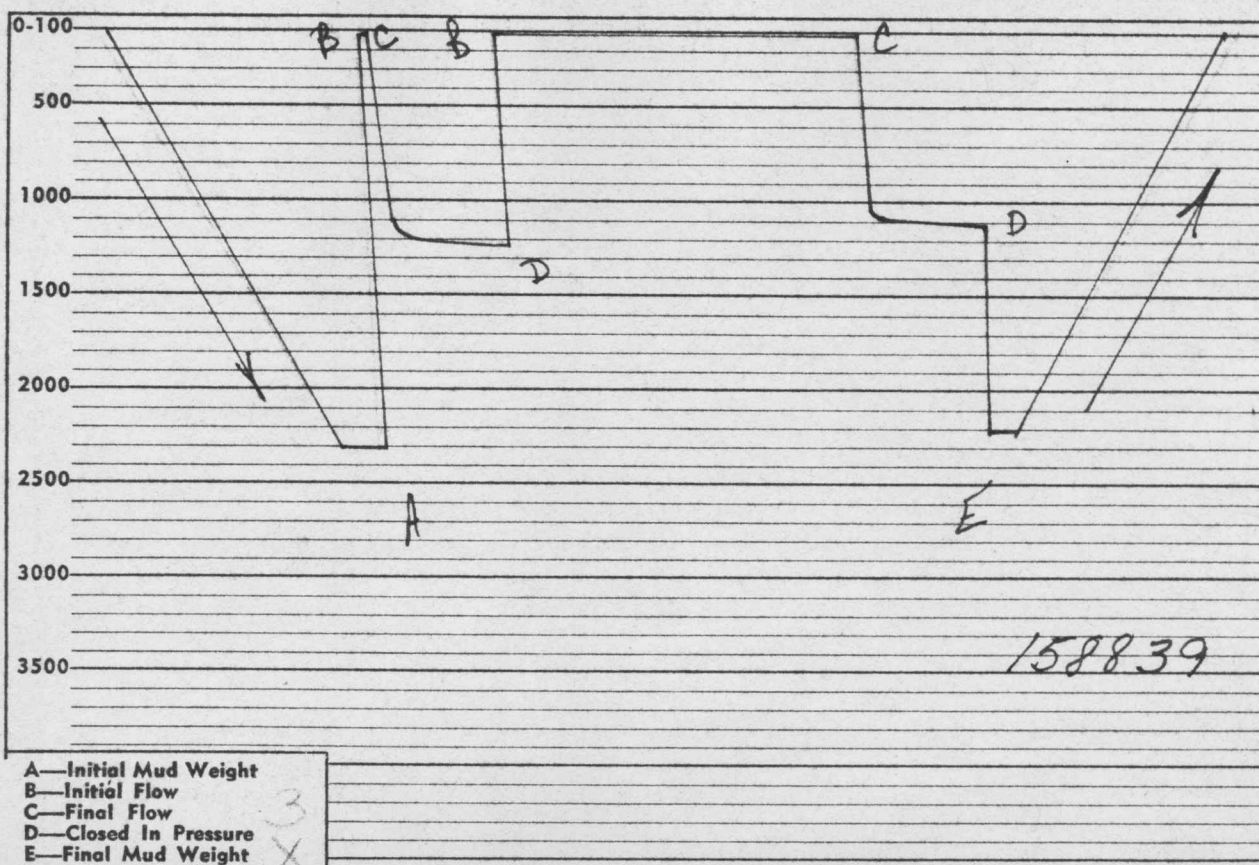
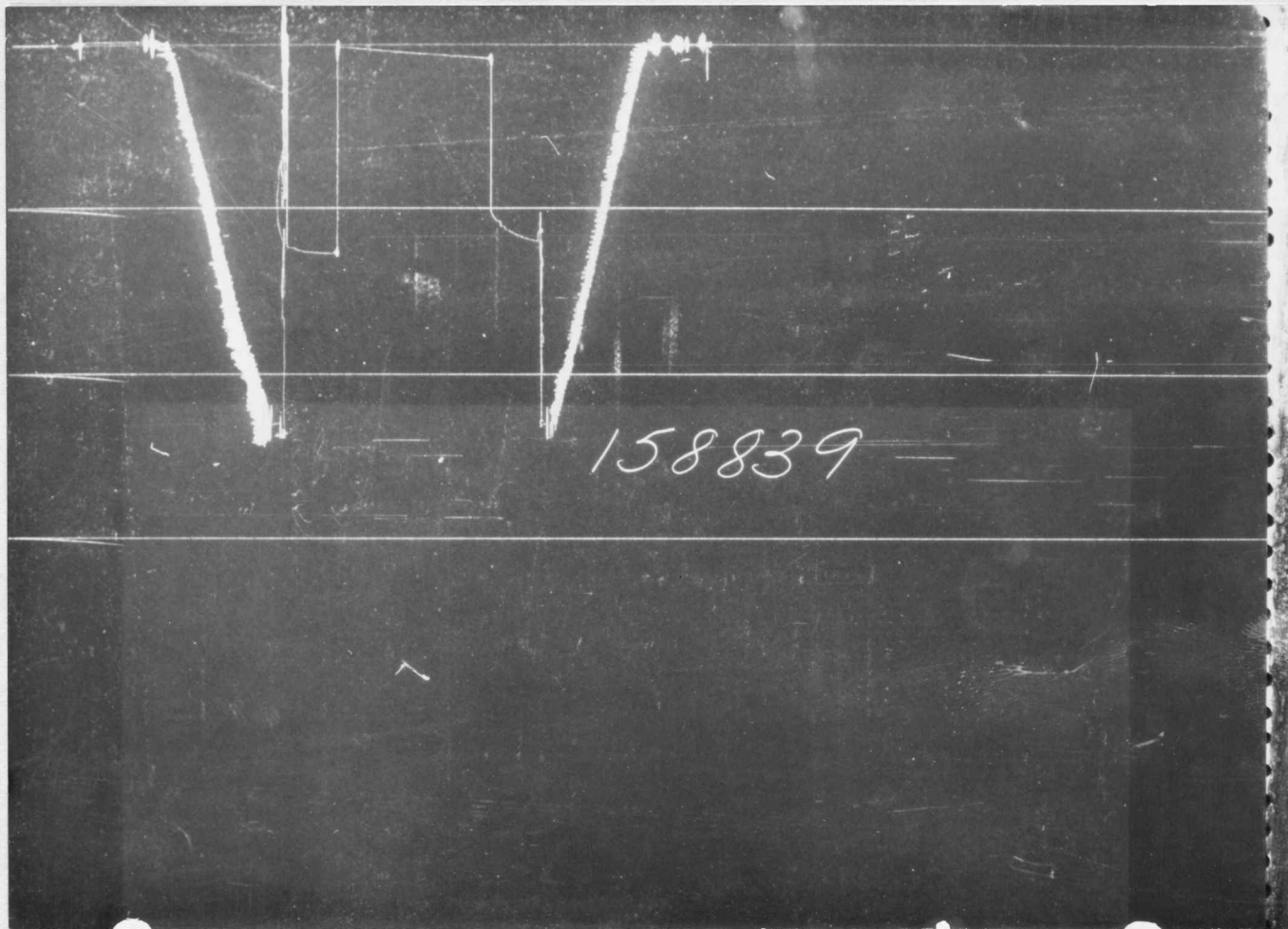


CITIES SERVICE OIL COMPANY

Remarks:

Initial Closed In Time 30 Minutes			Date 11-27-60		LOCATION 9-20-27
Tool Open 1st 1 / 2nd 90 Minutes			Ticket No. 158839		
Final Closed In Time 30 Minutes			Halliburton District Great Bend		
Depth Top Gauge 4504 Ft. Blanked Off no			Kind of Job Open Hole		
BT. P.R.D. No 375 12 Hr. Clock		CONTRACTOR POEL BROTHERS INCORPORATED			
Pressure Readings Field Office Corrected		HOLE & TOOL DATA			
Initial Hydro Mud Pressure 2230 2303		Elevation 2719 D.F.		Top Packer Depth 4603'	
Initial Closed in Pres. 1270 1268		Total Depth 4645'		Bottom Packer Depth -	
Initial Flow Pres. 15 12		Casing or Hole Size 7 7/8"		Size & Type Wall Packer 6 3/4" ESWP	
Final Flow Pres. 95 85		Liner or Rathole Size 7 7/8"		Size Bottom Choke 3/4"	
Final Closed in Pres. 1210 1196		Casing Perforations Top Bottom		Size Surface Choke 1/8"	
Final Hydro Mud Pressure 2330 2302		Interval Tested 4603-4645'		ID & Length Air Chamber 5" D.C.I.P.	
Depth Center Gauge 4641 Ft. Blanked Off yes		Formation Tested Mississippi		ID & Length Drill Collars -	
BT. P.R.D. No 192 4 Hr. Clock		Est. Gauge Depth Temp. Calc. 110 F°		Size Drill Pipe 4 1/2" ACME	
Pressure Readings Field Office Corrected		MUD DATA Weight 9.7		Viscosity 51	
Initial Hydro Mud Pressure		All depths measured from Kelly Bushing		No...Folders Reproduced 5	
Initial Closed in Pres.		REMARKS: Tool opened for 1 minute first flow			
Initial Flow Pres.		Rotated tool for 30 minutes Initial closed			
Final Flow Pres.		in pressure. Tool opened with a fair steady			
Final Closed in Pres.		blow throughout test.			
Final Hydro Mud Pressure					
Depth Bottom Gauge Ft. Blanked Off					
BT. P.R.D. No Hr. Clock					
Pressure Readings Field Office Corrected					
Initial Hydro Mud Pressure					
Initial Closed in Pres.		Recovered 160		Feet of muddy salt water	
Initial Flow Pres.		Recovered		Feet of	
Final Flow Pres.		Recovered		Feet of	
Final Closed in Pres.		Recovered		Feet of	
Final Hydro Mud Pressure		Witnessed By Frank McCollum			
Amount-Type of Cushion		Tester R.L. Tharp			

LEWIS
LEASE NAME
C-1
WELL NO.
3
TEST NO.
CITIES SERVICE OIL COMPANY
LEASE OWNER
GREAT BEND
OWNERS DISTRICT



COMPANY CITIES SERVICE OIL COMPANY

Initial Hydro Mud Pressure		Time	PSI	DATE 112-7-60 TICKET NO. 158839 LEASE LEWIS Well No. G-1 Test No. 3 BT No. 375 Depth 4594' 12 Hr. Clock - Temp. Corr. C 110 ° F
1st	Initial Flow		2303	
	Final Flow	1 minute	Unable to read	
Initial Closed In Pressure		30 minutes	1268	
2nd	Initial Flow		12	
	Final Flow	90 minutes	85	
Final Closed In Pressure		30 minutes	1196	
Final Hydro Mud Pressure			2302	

	1st Flow Pressure		Initial CIP		2nd Flow Pressure		Final CIP	
	Time	PSI	Time	PSI	Time	PSI	Time	PSI
PO	.		.000	9	.000	12	.000	85
P1	.		.0205	1238	.1033	29	.0191	1066
P2	.		.041	1248	.2066	40	.0382	1078
P3	.		.0615	1258	.3099	53	.0573	1117
P4	.		.082	1262	.4132	64	.0764	1137
P5	.		.1025	1265	.5165	73	.0955	1151
P6	.		.123	1268	.6198	85	.1116	1164
P7	.		.1435	1268	.		.1337	1176
P8	.		.164	1271	.		.1528	1184
P9	.		.1845	1270	.		.1719	1191
P10	.		.205	1268	.		.191	1196
	Minute Intervals		3	Minute Intervals	15	Minute Intervals	3	Minute Intervals

Remarks:

Initial Closed In Time 30 Minutes			Date 12-2-60	
Tool Open Flow Period 1st 1 2nd 60 Minutes			Ticket No. 158881	
Final Closed In Time 30 Minutes			Holliburton District Great Bend	
Depth Top Gauge 5051 Ft. Blanked Off no			Kind of Job Open Hole	
BT. P.R.D. No 310 12 Hr. Clock		CONTRACTOR PEEL BROTHERS DRILLING COMPANY		
Pressure Readings Field Office Corrected		HOLE & TOOL DATA		
Initial Hydro Mud Pressure - 2540		Elevation 2719	Top Packer Depth 5061'	
Initial Closed in Pres. - 1487		Total Depth 5072'	Bottom Packer Depth -	
Initial Flow Pres. - 63-87		Casing or Hole Size 7 7/8"	Size & Type Wall Packer 6 3/4" ES WP	
Final Flow Pres. - 77-1089		Liner or Rathole Size 7 7/8"	Size Bottom Choke 3/4"	
Final Closed in Pres. - 1482		Casing Perforations Top Bottom	Size Surface Choke 1/8"	
Final Hydro Mud Pressure 2530		Interval Tested 5061-5072'	ID & Length Air Chamber 5'	
Depth Center Gauge 5068 Ft. Blanked Off yes		Formation Tested Arbuckle	ID & Length Drill Collars -	
BT. P.R.D. No 1959 4 Hr. Clock		Est. Gauge Depth Temp. Calc. 120 F°	Size Drill Pipe 4 1/2" Acme	
Pressure Readings Field Office Corrected		MUD DATA Weight 9.5	Viscosity 50	
Initial Hydro Mud Pressure		All depths measured from Kelly Bishing		No...Folders Reproduced 5
Initial Closed in Pres.		REMARKS: Tool opened for 1 minute first flow.		
Initial Flow Pres.		Rotated tool for 30 minutes Initial closed		
Final Flow Pres.		in pressure. Tool opened with a good blow		
Final Closed in Pres.		steady for 30 minutes. began gradualling		
Final Hydro Mud Pressure		falling off after 30 minutes.		
Depth Bottom Gauge Ft. Blanked Off				
BT. P.R.D. No Hr. Clock				
Pressure Readings Field Office Corrected				
Initial Hydro Mud Pressure				
Initial Closed in Pres.		Recovered 2286	Feet of	salt water
Initial Flow Pres.		Recovered	Feet of	
Final Flow Pres.		Recovered	Feet of	
Final Closed in Pres.		Recovered	Feet of	
Final Hydro Mud Pressure		Witnessed By		
Amount-Type of Cushion		Ed P. Devaney		
		Tester		

LOCATION 9-20-27A

FIELD MIDCAT

COUNTY LANE

STATE KANSAS

LEASING NAME

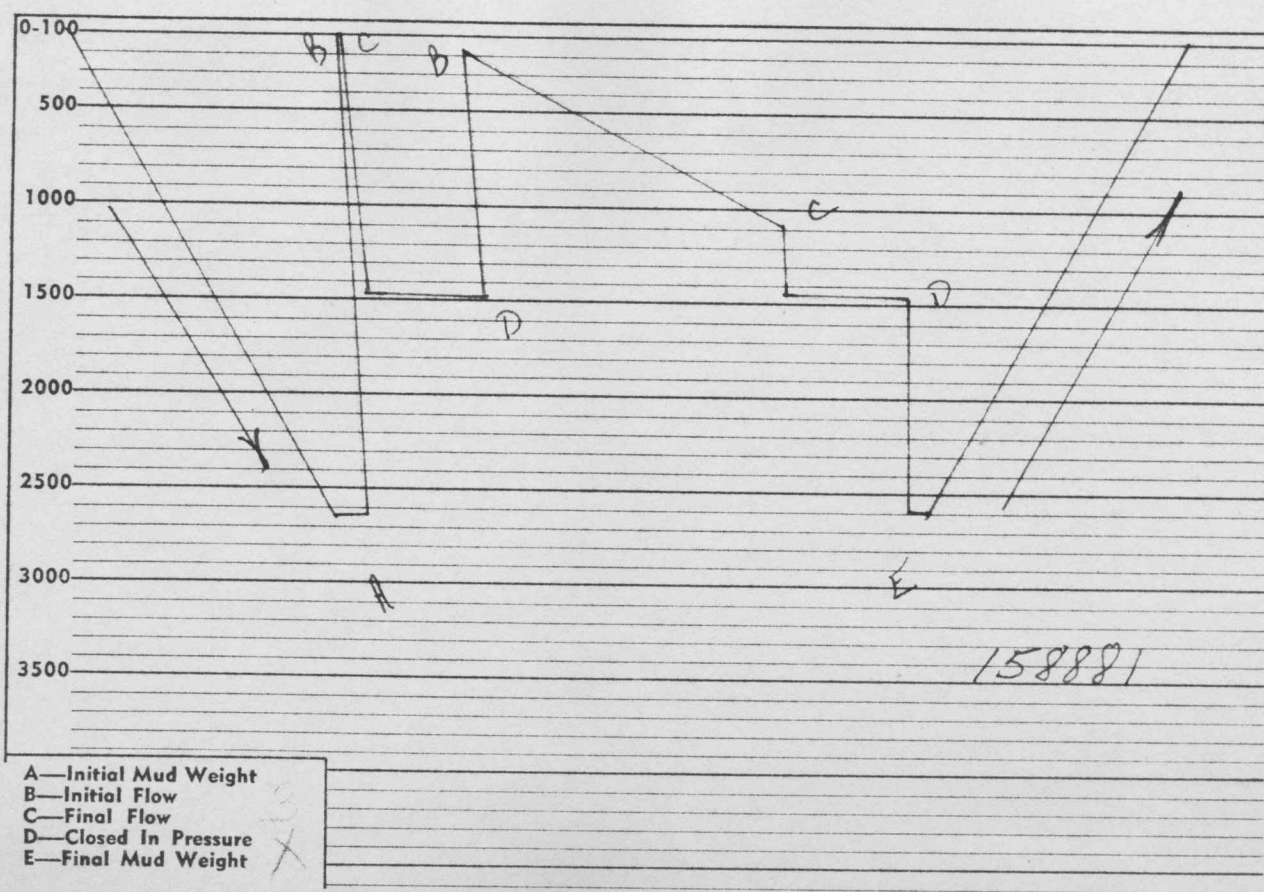
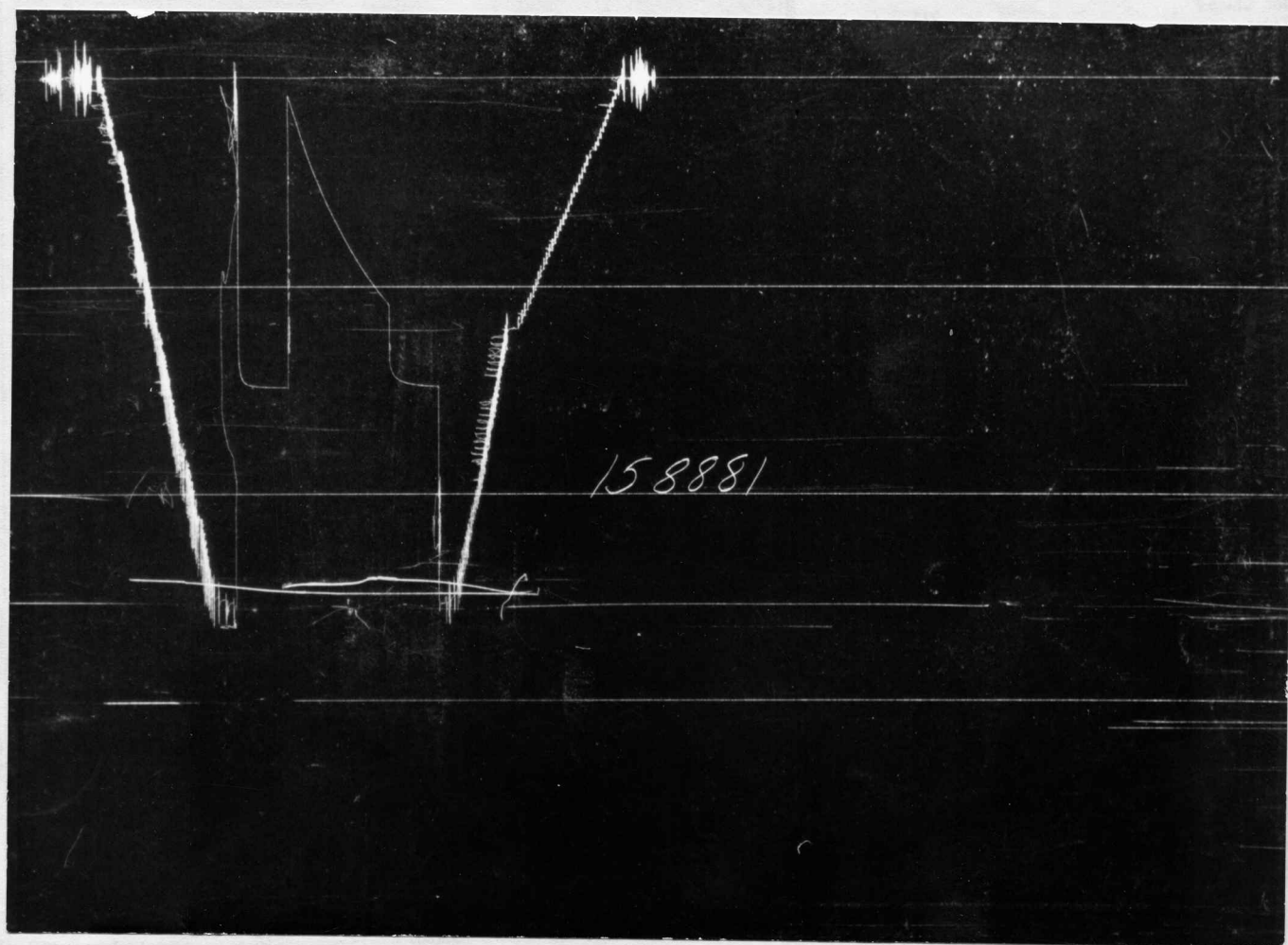
C-1

TEST NO.

CITIES SERVICE OIL COMPANY

LEASE OWNER

KANSAS OWNERS DISTRICT



COMPANY

CITIES SERVICE OIL COMPANY

Initial Hydro Mud Pressure		Time	PSI				
			2540	DATE 12-2-60			
1st	Initial Flow		63	TICKET NO. 158881			
	Final Flow	1 minute	77	LEASE LEWIS			
Initial Closed In Pressure		30 minutes	1487				
2nd	Initial Flow		87	Well No. C-1 Test No. 4			
	Final Flow	60 minutes	1089	BT No. 310 Depth 5051'			
Final Closed In Pressure		30 minutes	1482	12 Hr. Clock -			
Final Hydro Mud Pressure			2530	Temp. Corr. C 120 ° F			

	1st Flow Pressure		Initial CIP		2nd Flow Pressure		Final CIP	
	Time	PSI	Time	PSI	Time	PSI	Time	PSI
PO	.000	63	.000	77	.000	87	.000	1089
P1	.007	77	.020	1452	.100	451	.0195	1429
P2	.		.040	1473	.200	719	.039	1451
P3	.		.060	1479	.300	928	.0585	1461
P4	.		.080	1482	.400	1089	.078	1467
P5	.		.100	1484	.		.0975	1472
P6	.		.120	1487	.		.117	1474
P7	.		.140	1487	.		.1365	1477
P8	.		.160	1487	.		.156	1479
P9	.		.180	1487	.		.1755	1482
P10	.		.200	1487	.		.195	1482
	Minute Intervals		3	Minute Intervals	15	Minute Intervals	3	Minute Intervals

Remarks: