

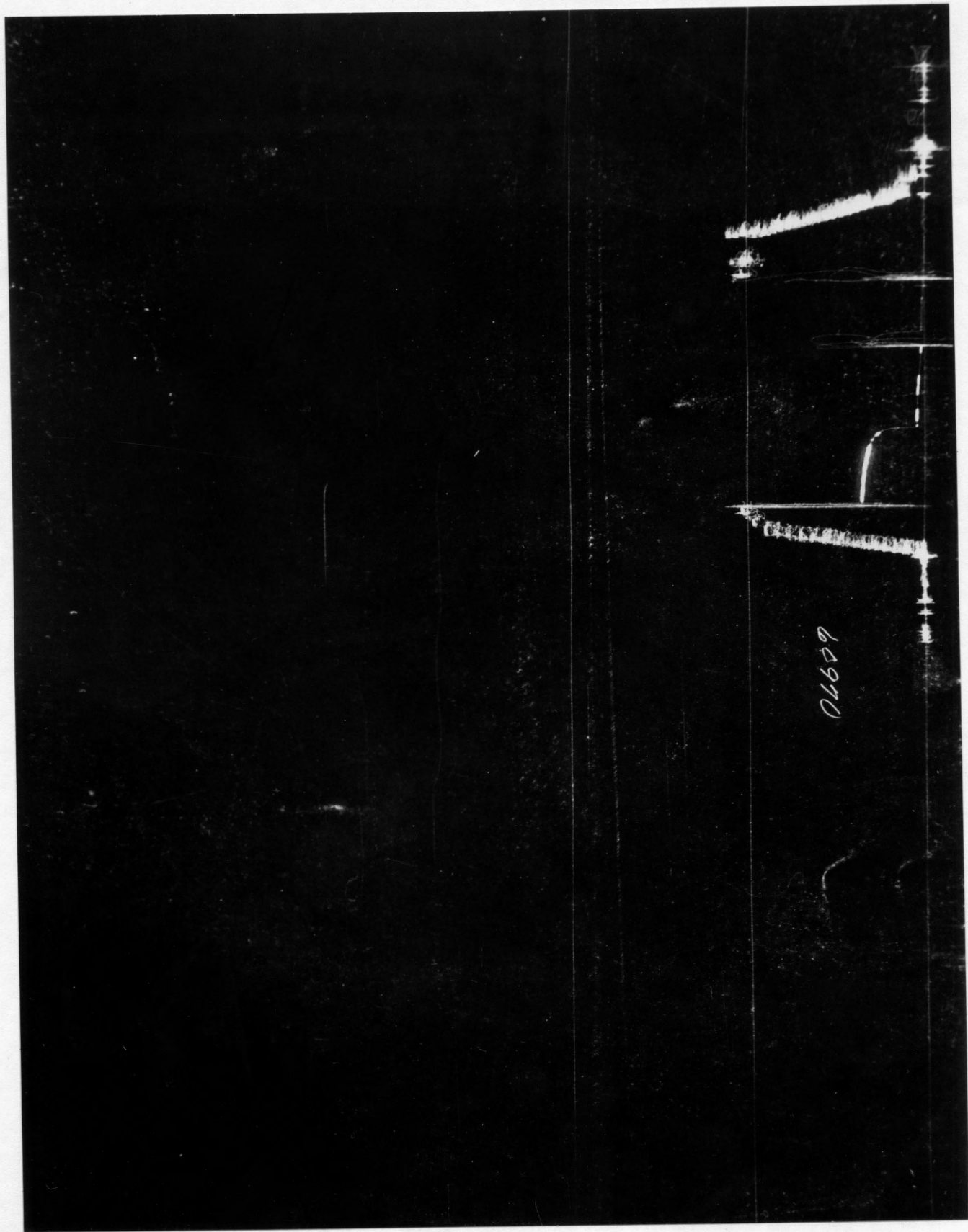


LOCATION	24-65-40W	WELL NO.	1	TEST NO.	1	COMPANY	SHELL OIL COMPANY	DISTRICT	GREAT BEND
FIELD	Wildcat								
COUNTY	Sherman								
STATE	Kansas								
CONTRACTOR	Falcon Seaboard Drilling Co.								

HOLE AND TOOL DATA		Date	5-27-55
Total Depth	2233'	Ticker No.	60970
Top Packer Depth	2213'	HOWCO DISTRICT	Hill City
Casing or Hole Size	7 7/8"	Kind of Job	Open Hole
Formation Tested	Dakota	Price	\$ 215.00
Size Drill Pipe	4 1/2"	Second Packer Assembly	
Size Bottom Choke	5/8"	Safety Joint	
Size Hook Wall Packer	-	Extra Folder Charge	9.00
Size D.E. Wall Packer	6 3/4"	Shifter	100.00
Size & Length Anchor	5" x 20'	Total	\$ 324.00
PRD Device No.	1918	Witnessed By	Orlando Camargo
Depth	2228	Tester	F. A. Jones

Pressure Readings	Field	Office Corrected	
Initial Hydro Mud Pressure	1035	1031	psi.
Initial Flow Pres.	-	15	psi.
Final Flow Pres.	30	41	psi.
Closed in Pres.	360	317	psi.
Final Hydro Mud Pressure	1035	1031	psi.
Depth	2201'	Blacked	NO
BT. P.R.D. No.	540	Blacked	NO
Time Tool Open	45 Minutes	Time Closed In.	38 Minutes-Initial
Time Closed In.	38 Minutes-Initial	REMARKS:	Set packer, opened tool and took a 38 Minute Initial closed in pressure. Dropped bar, broke disc and received a very weak blow throughout test. Recovered 60' of water <i>muddy water</i> . Disc sub run 1 joint above tester. 4 1/2" x 30'. (Fill hole 2000 ppm Cl)
Amount of Cushion	None	All depths measured from	Derrick Floor
No. Folders Reproduced	8		

24-6-68



64970

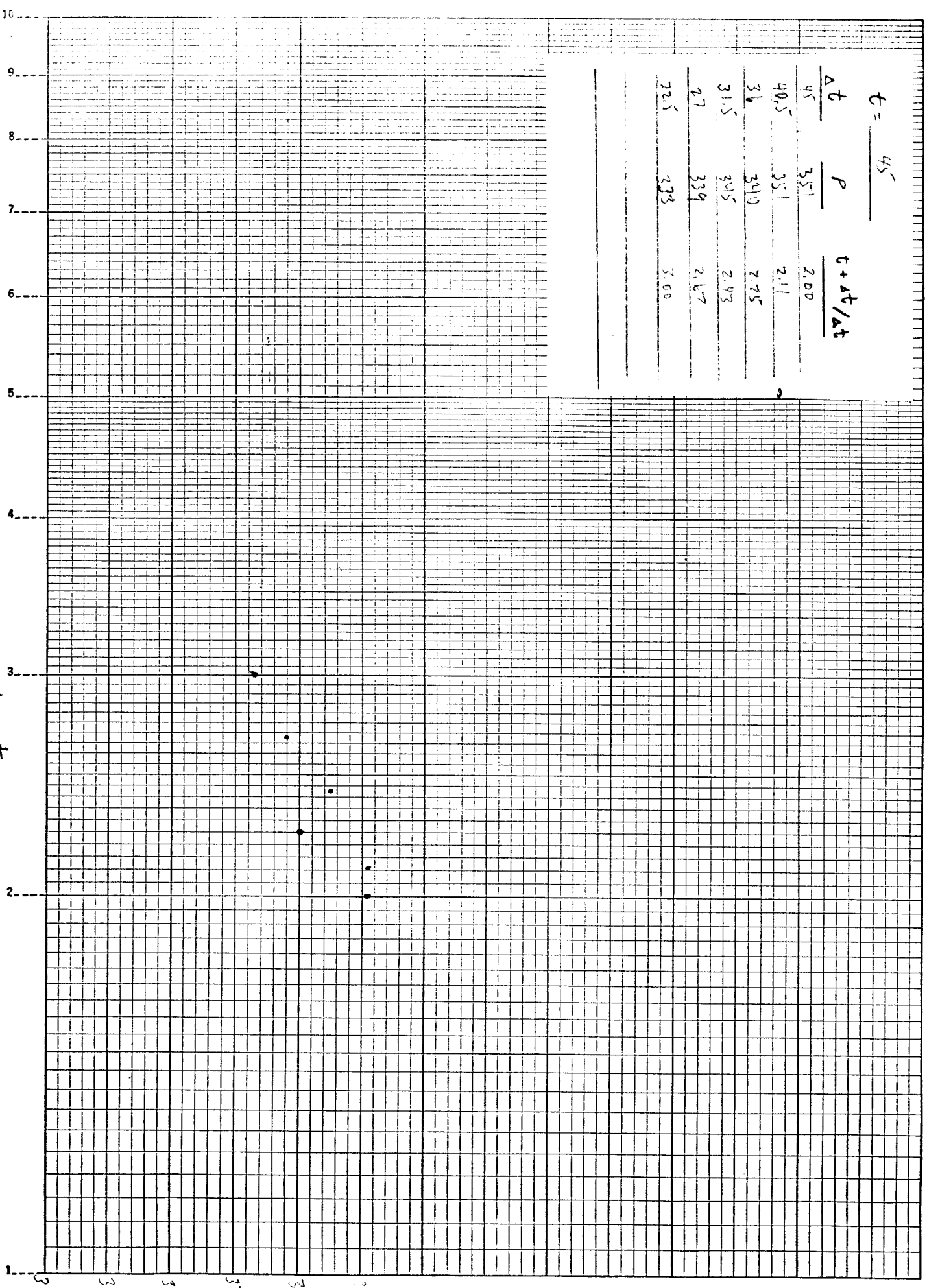
State _____

T-R Location _____

File No. _____

$t = 45$

Δt	P	$t + \Delta t / \Delta t$
45	351	2.00
40.5	351	2.11
36	340	2.25
31.5	345	2.43
27	339	2.67
22.5	333	3.00



399-BIG KEUFFEL & ESSER CO.
 Semi-Logarithmic, 1 Cycle X 10 to the inch.
 .01 inch lines accented.
 MADE IN U.S.A.

Company SHELL OIL COMPANY

Date 5-27-55

Lease C.E. HARDIN Well No. 1

Ticket No. 60970

Test No. 1

Total Depth 2233'

Packer Depth 2213'

BT No. 540 Depth 2201'

12 Hr. Clock No. 3224

Temperature Corrected to Calc. 100 ° F.

	Time	PSI
Initial Hydro Mud Pressure		1031
Initial Closed In Pressure	38 Mins.	317
Initial Flow		15
Final Flow	45 Mins.	41
Final Closed In Pressure	45 Mins.	351
Final Hydro Mud Pressure		1031

	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	.003	4	.000	.010	15	.000	.028	41
P1	.026	.004	6	.1065	.019	28	.030	.178	263
P2	.052	.006	9	.213	.026	38	.060	.202	299
P3	.078	.008	12	.3195	.028	41	.090	.211	312
P4	.104	.009	13				.120	.219	324
P5	.130	.009	13				.150	^{27.5} .225	333
P6	.156	.009	13				.180	²⁷ .229	339
P7	.182	.010	15				.210	^{31.5} .233	345
P8	.208	.072	107				.240	³⁶ .230	340
P9	.234	.191	283				.270	^{40.5} .237	351
P10	.260	.214	317				.300	⁴⁵ .237	351
	4.5 Minute Intervals			15 Minute Intervals			4.5 Minute Intervals		

Remarks:

HARDIN

1

2

SHELL OIL COMPANY

GREAT BEND

LEASE

WELL NO.

TEST NO.

COMPANY

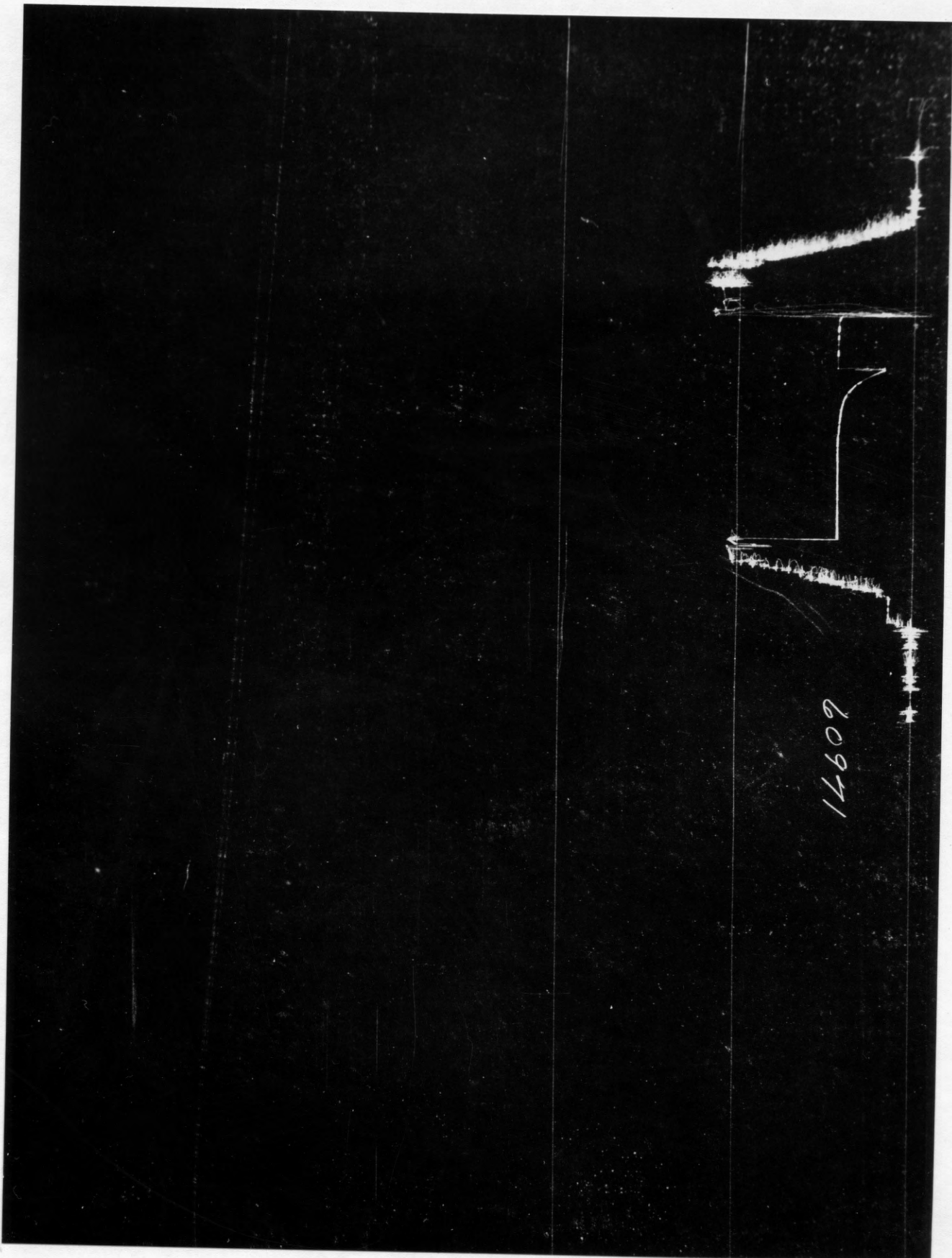
DISTRICT



OIL WELL CEMENTING CO.

LOCATION	24-6-40W		HOLE AND TOOL DATA Total Depth 2313' Top Packer Depth 2262' Casing or Hole Size 7 7/8" Formation Tested Dakota Size Drill Pipe 4 1/2" Size Drill Collars 6" x 56' Size Bottom Choke 5/8" Size Surface Choke 1" Size Hook Wall Packer - Size D.E. Wall Packer 6 3/4" Size & Length Anchor 5" x 51" PRD Device No. 1918 Depth 2308 Blanked Off Yes No. Packers 1 Total \$ 315.00 Witnessed By Orlando Casarigo Tester F. A. Jones	
FIELD	Waldcat			
COUNTY	Sherman			
STATE	Kansas			
CONTRACTOR	Falcon Seaboard Drilling Co.			
	MUD DATA			
Kind	Chemical			
Weight	9.25 lbs.-gal.			
Viscosity	58 Sec			
Filter Loss	3.6 c Filter Cake 1/32 in.			
Est. Gauge Depth Temp.	Calc. 100 F°			
Time Tool Open	38 Minutes			
Time Closed In.	30 Minutes-Initial			
Depth BT. Gauge	2250 Ft.			
P.R.D. No.	540	Blanked Off	No	
12 Hr. Clock No.			3224	
Pressure Readings	Field	Office Corrected		
Initial Hydro Mud Pressure	1095	1084	p.s.i.	
Initial Flow Pres.	150	266	p.s.i.	
Final Flow Pres.	450	426	p.s.i.	
	450	432	p.s.i.	
Closed in Pres.	450	431	p.s.i.	
Final Hydro Mud Pressure	1065	1020	p.s.i.	
Amount of Cushion			None	
All depths measured from			DERRICK FLOOR	
No. Folders Reproduced			8	
Date			5-28-55	
Ticket No.			60971	
HOWCO DISTRICT			Hill City	
Kind of Job			Open Hole	
Price			\$ 215.00	
Second Packer Assembly				
Safety Joint				
Extra Folder Charge				
Jars			100.00	

34-6-90



60971

Company SHELL OIL COMPANY Date 5-28-55

Lease HARDIN Well No. 1 Ticket No. 60971

Test No. 2

	Time	PSI
Initial Hydro Mud Pressure		1084
Initial Closed In Pressure	30 Mins.	432
Initial Flow		266
Final Flow	38 Mins.	426
Final Closed In Pressure	60 Mins.	431
Final Hydro Mud Pressure		1040

Total Depth 2313'

Packer Depth 2262'

BT No. 540 Depth 2250'

12 Hr. Clock No. 3224

Temperature Corrected to Calc. 100 ° 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	.094	139	.000	.112	266	.000	.288	426
P1	.021	.289	428	.0675	.228	337	.0415	.290	429
P2	.042	.290	429	.135	.272	402	.083	.291	431
P3	.063	.290	429	.2025	.283	419	.1245	.290	429
P4	.084	.291	431	.258	.288	426	.166	.290	429
P5	.105	.291	431				.2075	.290	429
P6	.126	.292	432				.249	.290	429
P7	.147	.292	432				.2905	.291	431
P8	.168	.292	432				.332	.291	431
P9	.189	.292	432				.3735	.291	431
P10	.210	.292	432				.415	.291	431
	3 Minute Intervals			10 Minute Intervals			6 Minute Intervals		

Remarks: Last Interval of flow time not equal to full 10 minute intervals.



WELL NO.

TEST NO.

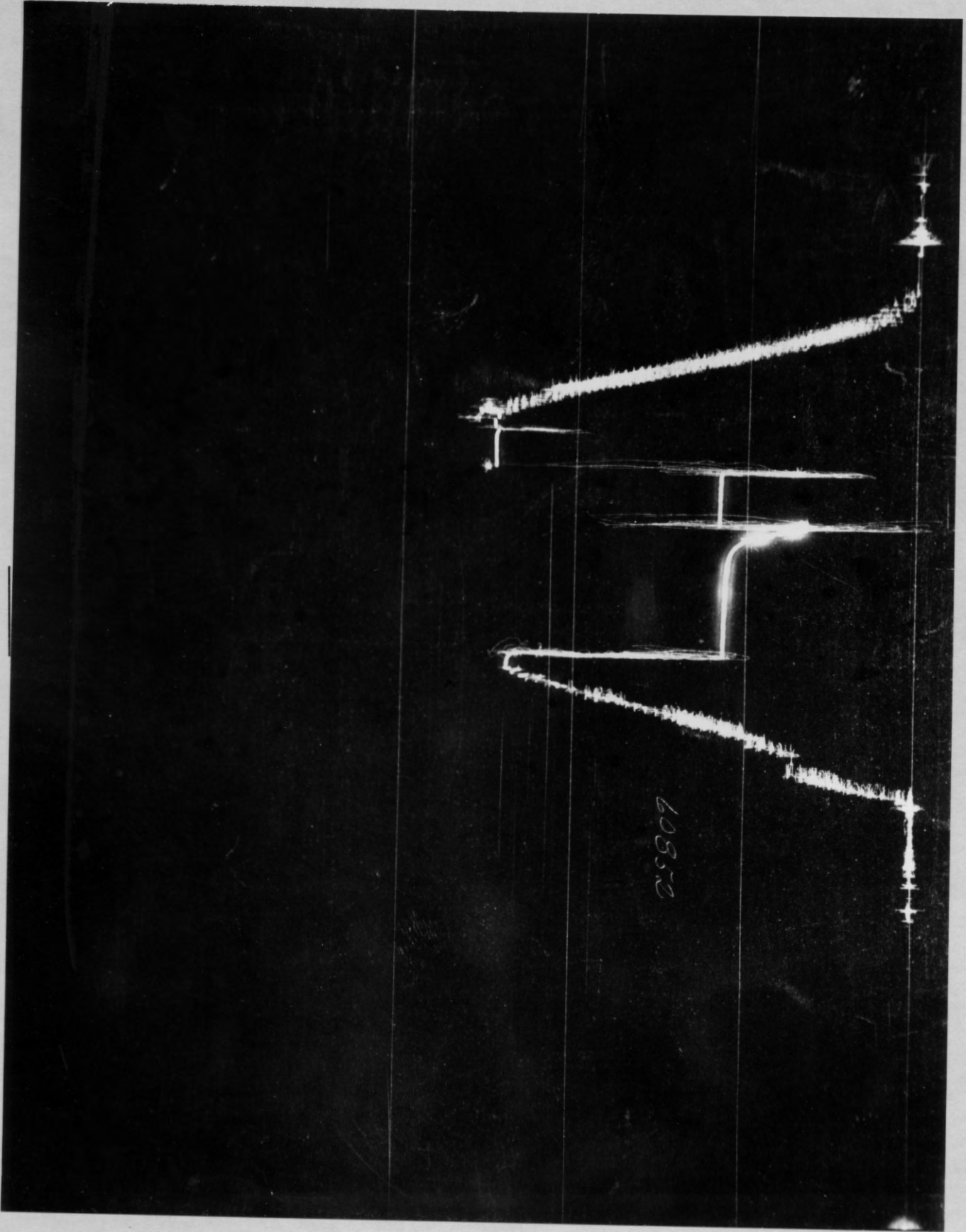
COMPANY

DISTRICT

LOCATION	24-6-40			DATE	7-2-55
FIELD	Wildcat			TICKET NO.	60852
COUNTRY	Sherman			HOWCO DISTRICT	H11 City
STATE	Kansas			KIND OF JOB	Open Hole
CONTRACTOR	Falcon-Seaboard			PRICE	\$ 231.00
	MUD DATA			SECOND PACKER ASSEMBLY	
KIND	Chemical	Casing or Hole Size	6 1/8"	Liner or Rathole Size	6 1/8"
WEIGHT	9	FORMATION TESTED	Basal Penny Iventan Sand		
VISCOSITY	55	SIZE DRILL PIPE	3 3/8" I.F.	SIZE DRILL COLLARS	5"
FILTER LOSS	4.8 c.c. Filter Cake	SIZE BOTTOM CHOKES	7/8"	SIZE SURFACE CHOKES	1"
EST. GAUGE DEPTH TEMP.	Calc. 120	SIZE HOOK WALL PACKER	--	SIZE RINGS	--
TIME TOOL OPEN	32 Minutes	SIZE D.E. WALL PACKER	5 1/2"	NO. PACKERS	1
TIME CLOSED IN.	45 Minutes - Final	SIZE & LENGTH ANCHOR	5" x 25'		
DEPTH BT. GAUGE	5120'	PRD DEVICE NO.	1918 Depth	5156	Blacked Off
BT. P.R.D. No.	540	REMARKS:	Set packer, opened tool and took a 32 Minute Initial closed in pressure.		
	Blacked Off		Dropped bar, broke disc and received a strong blow for 15 minutes dead		
			In 28 Minutes. Recovered 200' of watery mud and 2400' of salt water.		
			Disc sub run 1 joint of 3 1/2" Pipe above tester.		
Pressure Readings	Field	Office Corrected			
Initial Hydro Mud Pressure	2490	2464			
Initial Flow Pres.	660	656			
Final Flow Pres.	1125	1120			
Closed in Pres.	1125	1156			
Final Hydro Mud Pressure	2400	2370			
Amount of Cushion	None	All depths measured from	Kelly Bushing	No. Folders Reproduced	8

PRESSURE

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



Company SHELL OIL COMPANY

Date 7-2-55

Lease HARDEN Well No. 1

Ticket No. 60852

Test No. 3

	Time	PSI
Initial Hydro Mud Pressure		2464
Initial Closed In Pressure	31 Mins.	1156
Initial Flow		444
Final Flow	32 M ins.	1120
Final Closed In Pressure	45 Mins.	1133
Final Hydro Mud Pressure		2370

Total Depth 5162'

Packer Depth 5137'

BT No. 540 Depth 5120'

12 Hr. Clock No. 3224

Temperature Corrected to Calc. 120 ° F.

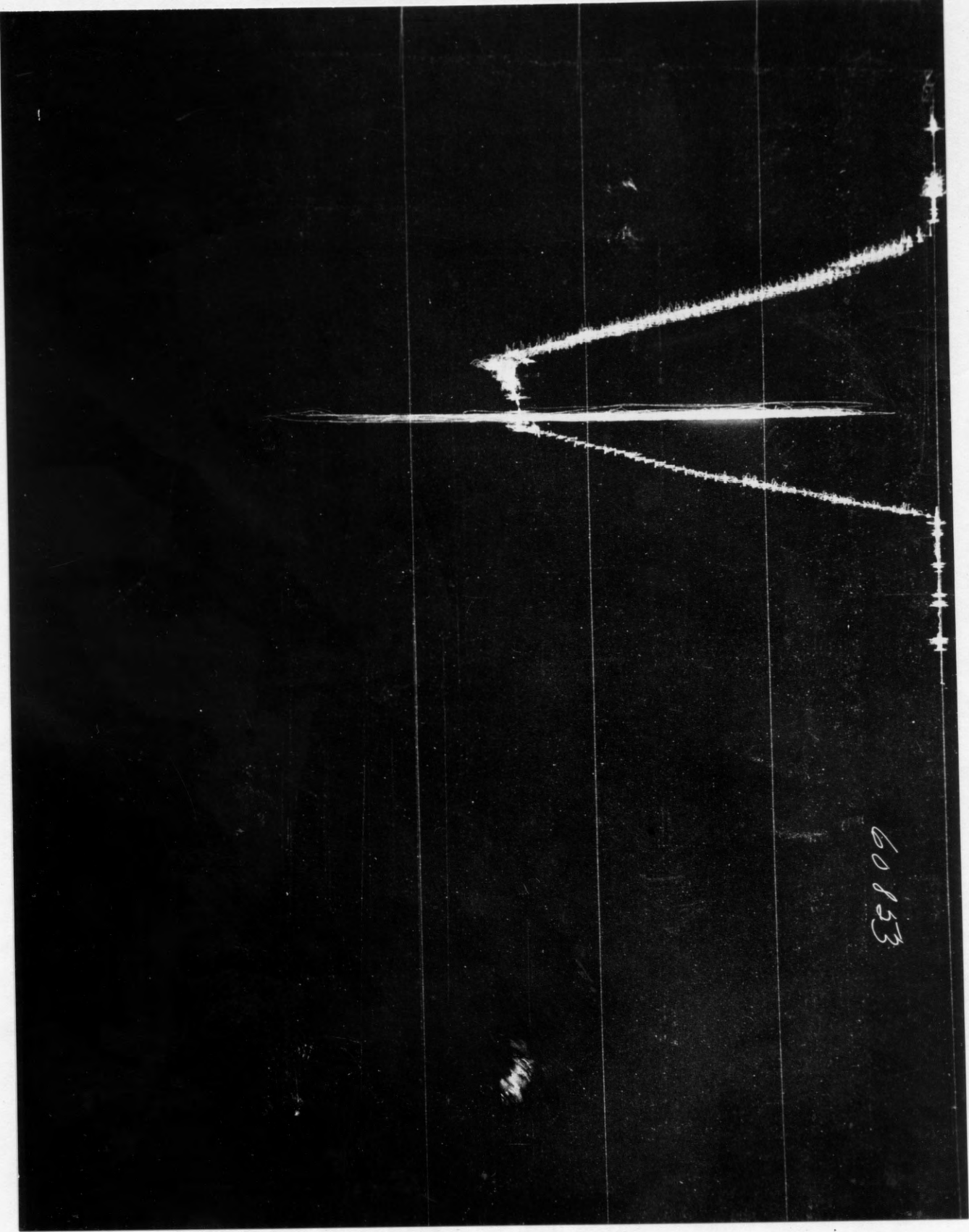
	Initial CIP			Flow Pressure			Final CIP		
	Time Defl. .000"	PSI Defl. .000"	PSI Temp. Corr.	Time Defl. .000"	PSI Defl. .000"	PSI Temp. Corr.	Time Defl. .000"	PSI Defl. .000"	PSI Temp. Corr.
PO	.000	.169	250	.000	.444	656	.000	.760	1120
P1	.0215	.783	1153	.0345	.593	876	.031	.760	1120
P2	.043	.783	1153	.069	.699	1032	.062	.761	1122
P3	.0645	.784	1155	.1035	.737	1087	.093	.763	1125
P4	.086	.784	1155	.138	.750	1106	.124	.764	1126
P5	.1075	.784	1155	.1725	.754	1112	.155	.765	1127
P6	.129	.784	1155	.207	.759	1119	.186	.766	1129
P7	.1505	.785	1156	.222	.760	1120	.217	.766	1129
P8	.172	.785	1156				.248	.767	1130
P9	.1935	.785	1156				.279	.767	1130
P10	.215	.785	1156				.310	.769	1133
	3.1 Minute Intervals			5 Minute Intervals			4.5 Minute Intervals		

Remarks:



LOCATION	Sec. 24-6-40	HOLE AND TOOL DATA		Date	7-11-55
FIELD	Wildcat	Total Depth	5448'	Tricker No.	60853
COUNTY	Sherman	Top Packer Depth	5433'	HOWCO DISTRICT	HILL City
STATE	Kansas	Casing or Hole Size	6 1/8"	Kind of Job	Open Hole Test
CONTRACTOR	Mud con- MUD DATA	Formation Tested	?	Price	\$ 75.00
Kind	Chemical	Size Drill Pipe	3 1/2" MOD	Second Packer Assembly	-
Weight	8.7 lbs.-gal.	Size Bottom Choke	7/8"	Safety Joint	-
Viscosity	53 Sec.	Size Drill Collars	5 1/2" x 14.50 ft	Extra Folder Charge	-
Filter Loss	11.6 c.c. Filter Cake 2/32 in.	Size Hook Wall Packer	-	Total	\$ 75.00
Est. Gauge Depth Temp.	Calc. 120 F°	Size D. E. Wall Packer	5 1/2" ESA	Witnessed By	Mr. L. L. Bowman
Time Tool Open	MISRUN	Size & Length Anchor	5" x 15'	Tester	F. A. Jones
Time Closed In.	MISRUN	PRD Device No.	1872	Blanked Off	Yes
Depth BT. Gauge	54.29'	PRD Depth	54.3'	REMARKS:	
BT. P.R.D. No.	540	Blanked Off	No	MISRUN: This hole is losing circulation. With pipe hanging in hole without pumping, fluid level fell approx 15 Barrels in one hour. This was prior to test. Tool would not go to bottom. Hit bridge 20' off bottom.	
12 Hr. Clock No.	3224	PRD			
Pressure Readings	Field	Office Corrected			
Initial Hydro Mud Pressure	2446 p.s.i.				
Initial Flow Pres.	- p.s.i.				
Final Flow Pres.	- p.s.i.				
Closed in Pres.	- p.s.i.				
Final Hydro Mud Pressure	2396 p.s.i.	Amount of Cushion	None	All depths measured from	Kelly Bushing
				No. Folders Reproduced	5

28-6-90

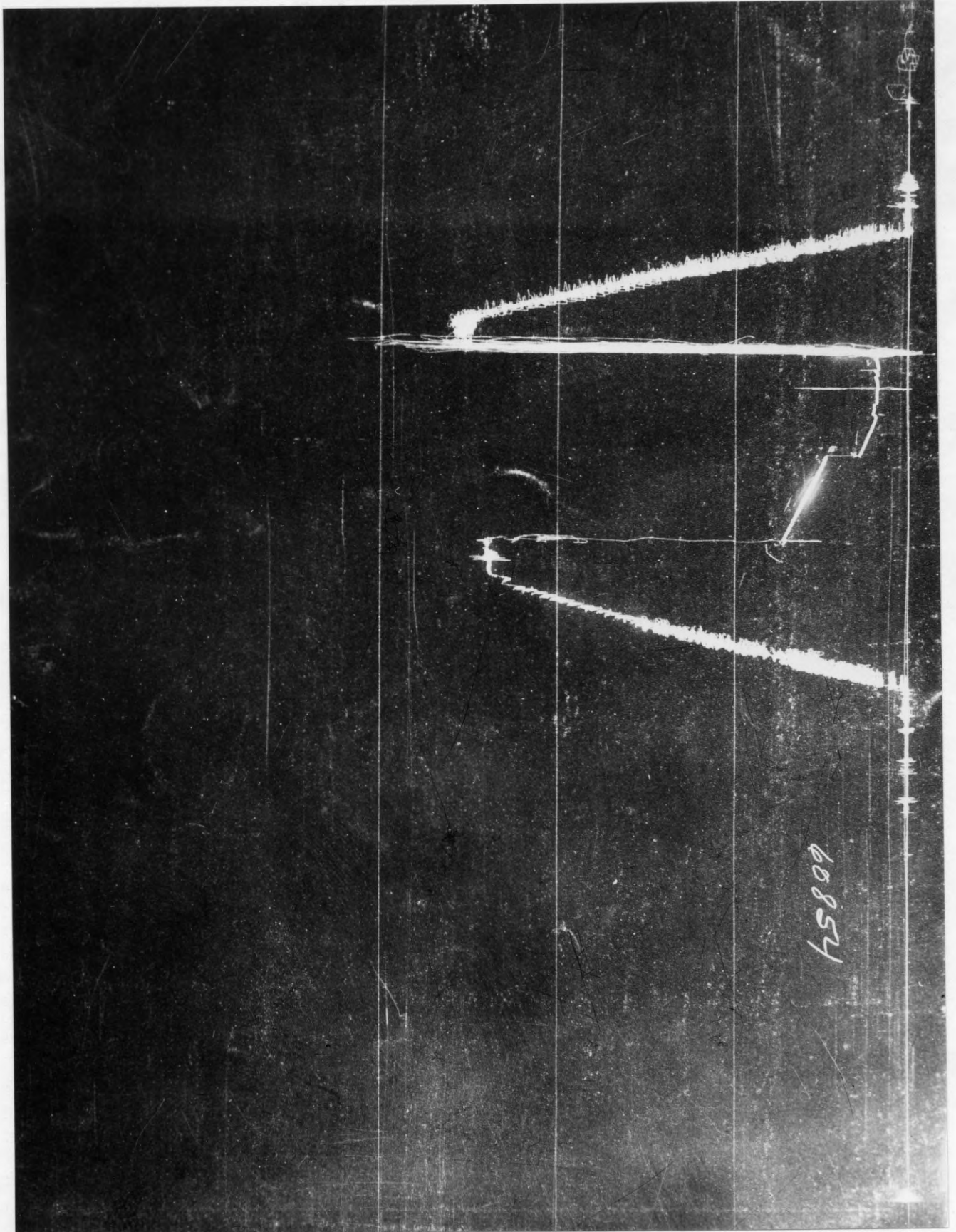


60853



LOCATION	Sec. 21-6-40		WELL NO. 1		TEST NO. 4		SHELL OIL COMPANY		WICHITA DISTRICT		
FIELD	Wildcat		COUNTY		SHERMAN		STATE		KANSAS		
CONTRACTOR	Falcom-Seaboard		HOLE AND TOOL DATA		Total Depth		54481		Casing Perforations		
MUD DATA	MUD DATA		Top Packer Depth		54331		Bottom Packer Depth		-		
Kind	Oleum c.l.		Casing or Hole Size		6 1/8"		Liner or Rathole Size		-		
Weight	8.8		Formation Tested		-		Size Drill Pipe		3 1/2" MOD		
Viscosity	90		Size Drill Choke		7/8"		Size Drill Collars		5 1/2"		
Filter Loss	8.4 c. c. Filter Cake		Size Hook Wall Packer		-		Size Surface Choke		1"		
Est. Gauge Depth Temp.	Calc. 120		Size D. E. Wall Packer		5 1/2" SSA		No. Rings		-		
Time Tool Open	37 minutes		Size & Length Anchor		5" x 15'		No. Packers		1		
Time Closed In.	75 minutes		PRD Device No.		1872		Depth		5443		
Depth BT. Gauge	54181		REMARKS:		MISRUN:		Blanked Off		Yes		
BT. P.R.D. No.	540		Hr. Clock No.		3224		Amount of Cushion		None		
Pressure Readings	Field		Office Corrected		2555		All depths measured from		Kelly Bushing		
Initial Hydro Mud Pressure	2555		test.		Recovered 370' of very heavy mud & loss circulation material.		Charts show a nchor was plugged.		No. of Pages Reproduced		
Initial Flow Pres.	184		Amount of Cushion		None		All depths measured from		Kelly Bushing		
Final Flow Pres.	289		Amount of Cushion		None		All depths measured from		Kelly Bushing		
Closed in Pres.	720		Amount of Cushion		None		All depths measured from		Kelly Bushing		
Final Hydro Mud Pressure	2416		Amount of Cushion		None		All depths measured from		Kelly Bushing		
Witnessed By		Mr. L. L. Tommar		Tester		F. A. Jones		Price		\$ 75.00	

HOWCO 893-RZ 30M 3-54 199M



60854