

Initial Closed In Time 30 Minutes					Date 8-8-59	
Tool Open 1st 2nd Flow Period 1 60 Minutes					Ticket No. 173710	
Final Closed In Time 30 Minutes					HOWCO DISTRICT Mc Pherson	
Depth Top Gauge 1529 Ft. Blanked Off No					Kind of Job Open Hole	
BT. P.R.D. No 374 12 Hr. Clock			CONTRACTOR WHITE & ELLIS DRILLING			
Pressure Readings Field Office Corrected			HOLE & TOOL DATA			
Initial Hydro Mud Pressure 740 766			Elevation 1222		Top Packer Depth 1528'	
Initial Closed in Pres. 645 Missed			Total Depth 1556		Bottom Packer Depth	
Initial Flow Pres. 20 3-15			Casing or Hole Size 7 7/8"		Size & Type Wall Packer 6 3/4 ESA	
Final Flow Pres. 65 8-66			Liner or Rathole Size 25		Size Bottom Choke 5/8"	
Final Closed in Pres. 495 Questionable 500			Casing Perforations Top Bottom		Size Surface Choke 5/8"	
Final Hydro Mud Pressure 755			Interval Tested 1529-1556		ID & Length Air Chamber	
Depth Center Gauge Ft. Blanked Off			Formation Tested Hunton		ID & Length Drill Collars	
BT. P.R.D. No Hr. Clock			Est. Gauge Depth Temp. 100 F		Size Drill Pipe 3 1/2"	
Pressure Readings Field Office Corrected			MUD DATA Weight 9.8		Viscosity 37	
Initial Hydro Mud Pressure			All depths measured from Kelly Bushing		No...Folders Reproduced	
Initial Closed in Pres.			REMARKS: Tool opened for a 1 minute First			
Initial Flow Pres.			Flow. Rotated tool for a 30 minute Initial			
Final Flow Pres.			Closed in Pressure. Tool re-opened			
Final Closed in Pres.			with a very weak blow throughout test.			
Final Hydro Mud Pressure			Took a 30 minute Final Closed in Pressure.			
Depth Bottom Gauge 1552 Ft. Blanked Off Yes						
BT. P.R.D. No 1601 Hr. Clock						
Pressure Readings Field Office Corrected			NO SPECIAL READING - ADAPTABLE			
Initial Hydro Mud Pressure						
Initial Closed in Pres.			Recovered 125		Feet of Oil & water cut mud	
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 R.R. Valentine Jr.			
Amount-Type of Cushion			Tester M.W. Brach			

GEHEPT

LEASE NAME

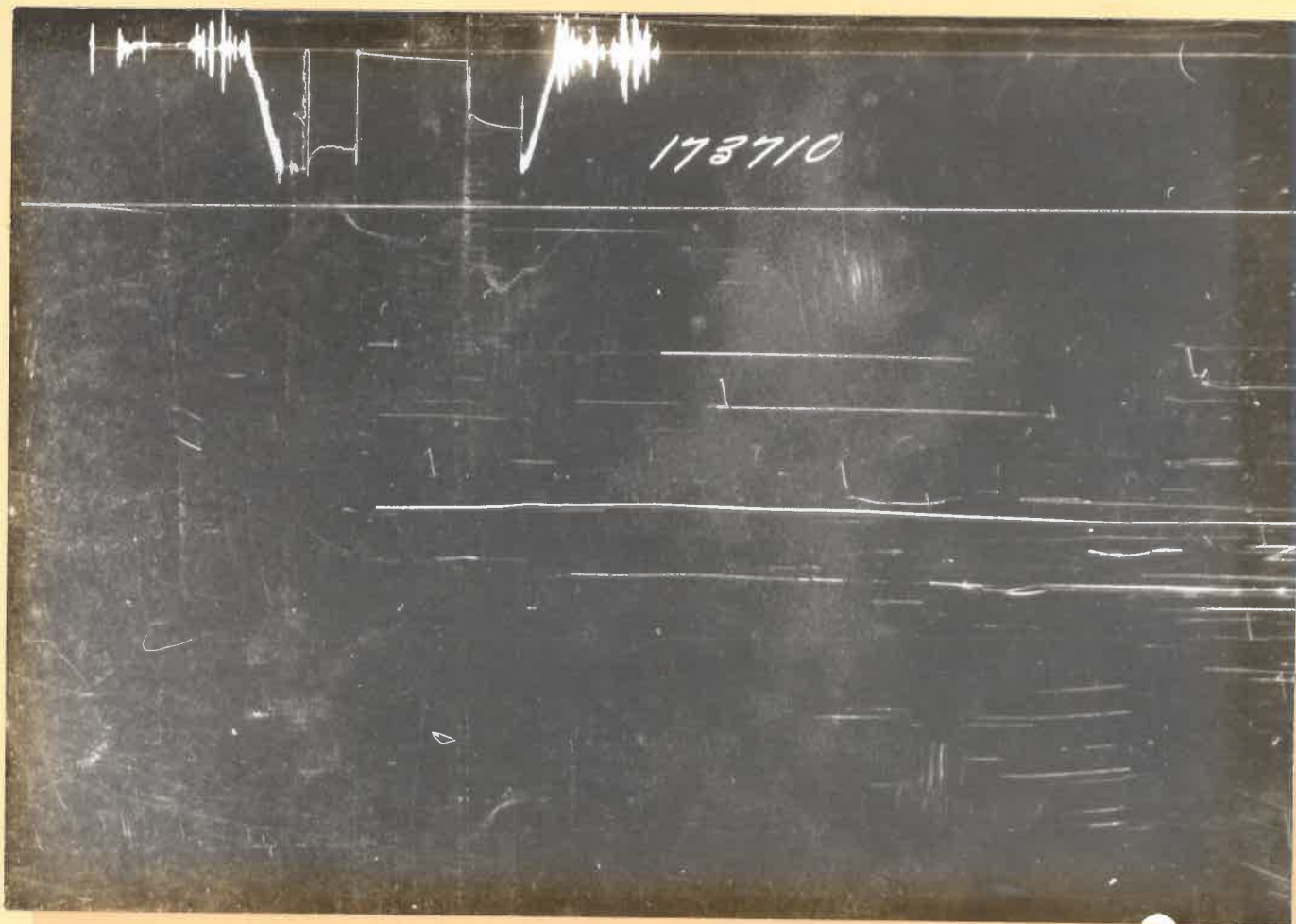
WELL NO. 2

TEST NO. 1

CITIES SERVICE OIL CO.
LEASE OWNER

KANSAS
OWNERS DISTRICT

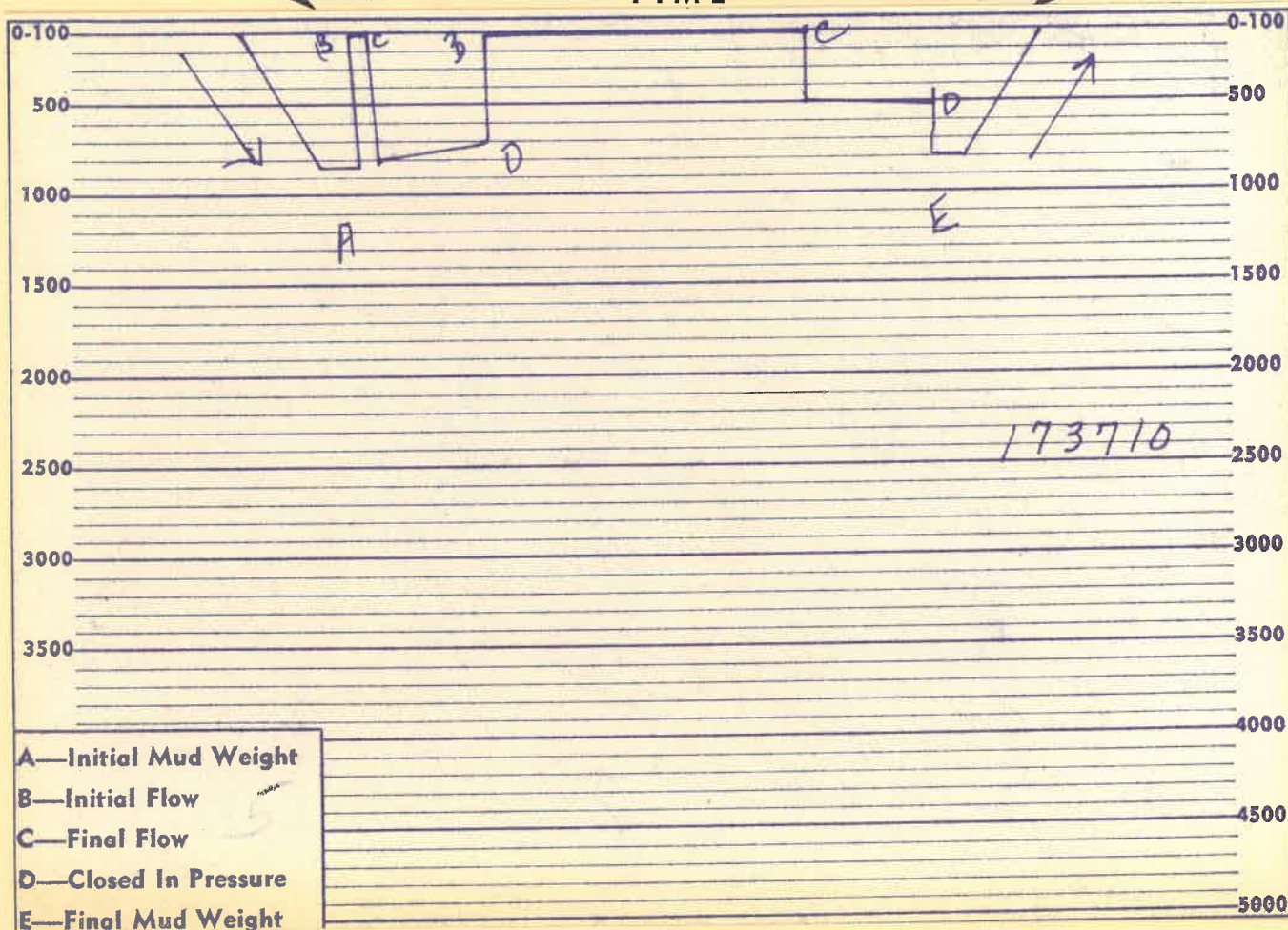
25-11-8E



173710

PRESSURE

TIME



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

Initial Closed In Time 30 Minutes			Date 8-9-59		LOCATION 25-11S-8E FIELD TAGEE COUNTY RILEY STATE KANSAS
Tool Open 1st 2nd Flow Period 2 60 Minutes			Ticket No. 173711		
Final Closed In Time 30 Minutes			HOWCO DISTRICT McPherson		
Depth Top Gauge 1549 Ft. Blanked Off -			Kind of Job Open Hole		
BT. P.R.D. No 374 12 Hr. Clock		CONTRACTOR WHITE AND ELLIS DRILLING INC.			
Pressure Readings Field Office Corrected		HOLE & TOOL DATA			
Initial Hydro Mud Pressure 790 783		Elevation 1222'		Top Packer Depth 1553'	
Initial Closed in Pres. 545 540		Total Depth 1586'		Bottom Packer Depth -	
Initial Flow Pres. 5 10-5		Casing or Hole Size 7 7/8"		Size & Type Wall Packer 6 3/4" ESMP	
Final Flow Pres. 5 10-13		Liner or Rathole Size 7 7/8"		Size Bottom Choke 4 1/8"	
Final Closed in Pres. 360 386		Casing Perforations Top Bottom		Size Surface Choke 5/8"	
Final Hydro Mud Pressure 790 765		Interval Tested 1553-1586'		ID & Length Air Chamber -	
Depth Center Gauge 1582 Ft. Blanked Off yes		Formation Tested Hunton		ID & Length Drill Collars 6"	
BT. P.R.D. No 1601 - Hr. Clock		Est. Gauge Depth Temp. Calc. 100 F°		Size Drill Pipe 3 1/2"	
Pressure Readings Field Office Corrected		MUD DATA Weight 9.8		Viscosity 37	
Initial Hydro Mud Pressure		All depths measured from Kelly Bushing		No...Folders Reproduced 5	
Initial Closed in Pres.		REMARKS: Tool opened for 2 minutes first flow.			
Initial Flow Pres.		Rotated tool for 30 Minutes Initial closed			
Final Flow Pres.		in pressure. Tool reopened with a blow.			
Final Closed in Pres.					
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 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		R. R. Valentine Jr.			
Amount-Type of Cushion -		Witnessed By			
		Tester M.W. Brach			

	Time	PSI	
Initial Hydro Mud Pressure		783	Ticket No. <u>173711</u>
1st Initial Flow		10	
	2 Minutes	10	Lease <u>GEHRT</u>
Initial Closed In Pressure	30 Minutes	540	Well No. <u>2</u> Test No. <u>2</u>
2nd Initial Flow		5	BT No. <u>374</u> Depth <u>1549</u>
	60 Minutes	13	<u>12</u> Hr. Clock No. <u>—</u>
Final Closed In Pressure	30 Minutes	386	Temperature Corrected to <u>Calc. 100° F</u>
Final Hydro Mud Pressure		765	

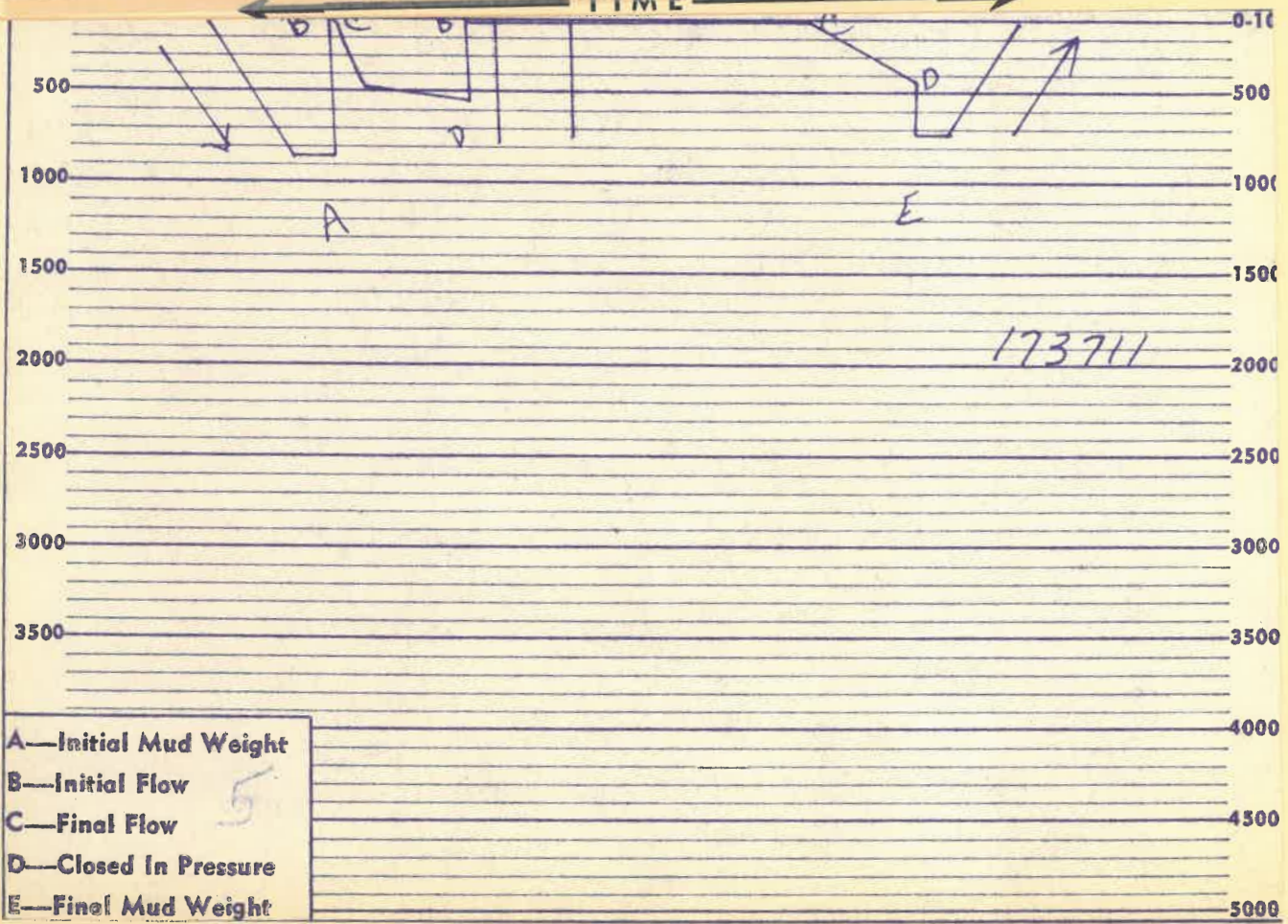
	1st Flow Pressure		Initial CIP		2nd Flow Pressure		Final CIP	
	Time Defl. .000"	PSI Temp. Corr.	Time Defl. .000"	PSI Temp. Corr.	Time Defl. .000"	PSI Temp. Corr.	Time Defl. .000"	PSI Temp. Corr.
PO			.000	10	.000	5	.000	13
P1			.0185	262	.421	13	.0205	115
P2			.037	368			.041	195
P3			.0555	424			.0615	242
P4			.074	460			.082	278
P5			.0925	485			.1025	306
P6			.111	502			.123	328
P7			.1295	513			.1435	346
P8			.148	524			.164	361
P9			.1665	533			.1845	374
P10			.185	540			.205	386
	Minute Intervals	3	Minute Intervals	3	Minute Intervals	3	Minute Intervals	3

Remarks:

173711

↑
PRESSURE
↓

← TIME →



- A—Initial Mud Weight
- B—Initial Flow
- C—Final Flow
- D—Closed In Pressure
- E—Final Mud Weight

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

GEHERT

LEASE NAME

2

WELL NO.

3

TEST NO.

CITIES SERVICE OIL COMPANY

LEASE OWNER

LOCATION NE SW NW 25-11S-8E

FIELD

YAEGER

COUNTY RILEY

STATE

KANSAS

OWNERS DISTRICT

25-11-8E

Initial Closed In Time 30 Minutes			Date 8-10-59	
Tool Open 1st 3 / 2nd 60 Minutes			Ticket No. 173712	
Final Closed In Time 30 Minutes			HOWCO DISTRICT McPherson	
Depth Top Gauge 1575 Ft. Blanked Off No			Kind of Job Open Hole	
BT. P.R.D. No 374 12 Hr. Clock		CONTRACTOR White and Ellis		
Pressure Readings Field Office Corrected		HOLE & TOOL DATA		
Initial Hydro Mud Pressure 790 799		Elevation 1222'	Top Packer Depth 1579'	
Initial Closed in Pres. 480 477		Total Depth 1601'	Bottom Packer Depth -	
Initial Flow Pres. 0 5-8		Casing or Hole Size 7 7/8"	Size & Type Wall Packer 6 3/4" ESWP	
Final Flow Pres. 0 8-8		Liner or Rathole Size 7 7/8"	Size Bottom Choke 5/8"	
Final Closed in Pres. 380 384		Casing Perforations Top Bottom	Size Surface Choke 5/8"	
Final Hydro Mud Pressure - 783		Interval Tested 1579-1601'	ID & Length Air Chamber -	
Depth Center Gauge 1597 Ft. Blanked Off Yes		Formation Tested Hunton	ID & Length Drill Collars 6" x 90'	
BT. P.R.D. No 1601 - Hr. Clock		Est. Gauge Depth Temp. Calc. 100 F°	Size Drill Pipe 3 1/2"	
Pressure Readings Field Office Corrected		MUD DATA Weight 9.8	Viscosity 37	
Initial Hydro Mud Pressure		All depths measured from Kelly Bushing		No...Folders Reproduced 5
Initial Closed in Pres.		REMARKS: Opened tool 1:20 with a weak blow dead		
Initial Flow Pres.		in 3 minutes. Rotated tool closed for a 30		
Final Flow Pres.		minute Initial Closed in Pressure. Reopened		
Final Closed in Pres.		tool with no blow. Took a 30 minute Final		
Final Hydro Mud Pressure		Closed in 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 10	Feet of Mud with spot of oil	
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 R. R. Valentine Jr.		
Amount-Type of Cushion -		Tester M. W. Brach		

	Time	PSI	Ticket No. 173712	
Initial Hydro Mud Pressure		799		
1st	Initial Flow	5	Lease GEHERT	
	Final Flow	3 Minutes 8		
Initial Closed In Pressure	30 Minutes	477	Well No. 2	Test No. 3
2nd	Initial Flow	8	BT No. 374	Depth 1575'
	Final Flow	60 Minutes 8	12	Hr. Clock No. -
Final Closed In Pressure	30 Minutes	384	Temperature Corrected to Calc. 100 ° F	
Final Hydro Mud Pressure		783		

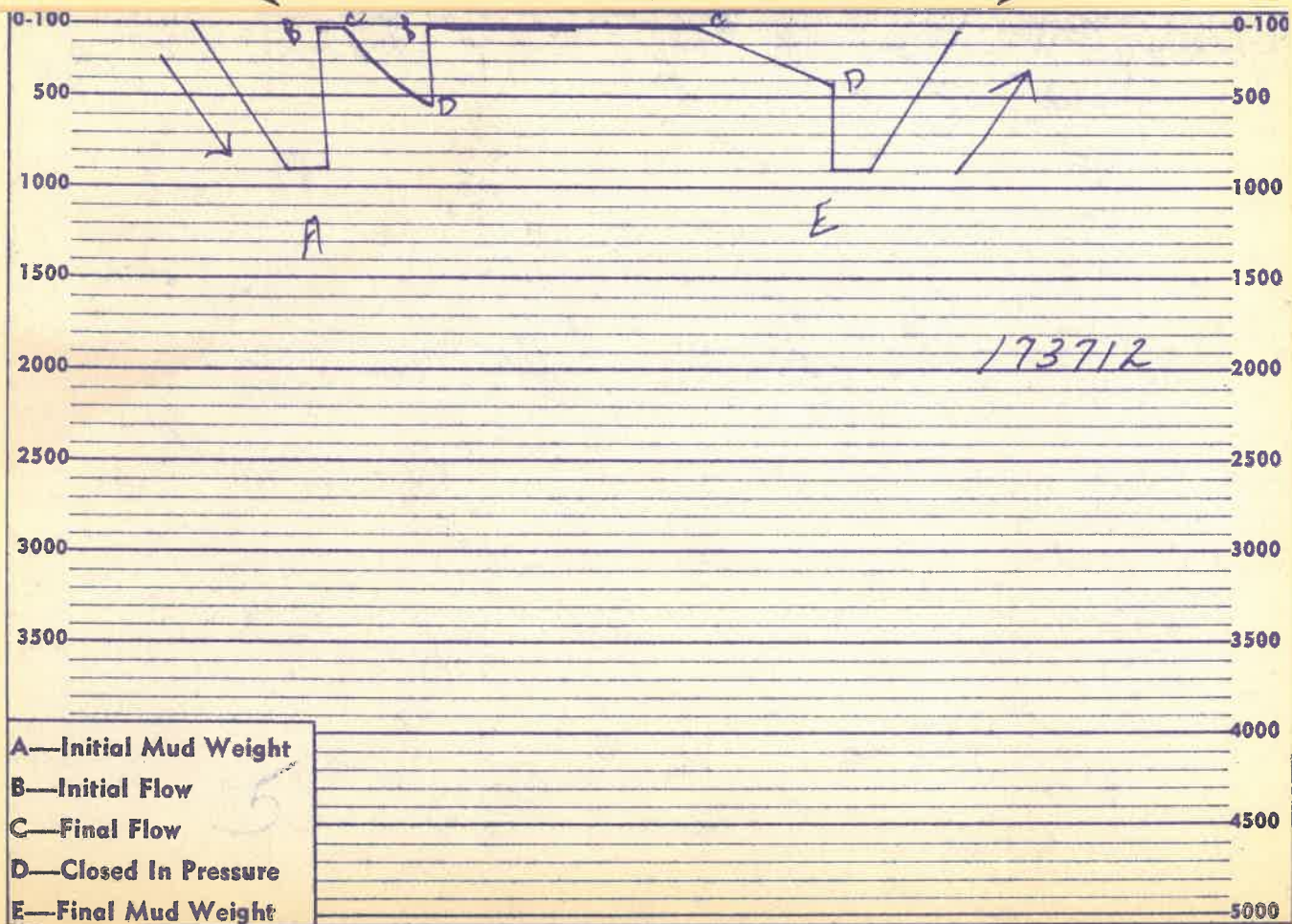
	1st Flow Pressure		Initial CIP		2nd Flow Pressure		Final CIP	
	Time Defl. .000"	PSI Temp. Corr.	Time Defl. .000"	PSI Temp. Corr.	Time Defl. .000"	PSI Temp. Corr.	Time Defl. .000"	PSI Temp. Corr.
P0			.000	8	.000	8	.000	8
P1			.019	118	.104	8	.024	56
P2			.038	248	.208	8	.048	147
P3			.057	311	.312	8	.072	215
P4			.076	361	.416	8	.096	258
P5			.095	396			.120	293
P6			.114	419			.144	320
P7			.133	437			.168	339
P8			.152	454			.192	358
P9			.171	467			.216	371
P10			.190	477			.240	384
	Minute Intervals		3	Minute Intervals	15	Minute Intervals	3	Minute Intervals

Remarks:



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PRESSURE
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← TIME →



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

Initial Closed In Time 30 Minutes			Date 8-11-59		LOCATION SW SE NW 25-11S-8E
Tool Open 1st 4 1/2 2nd 60 Minutes			Ticket No. 222563		
Final Closed In Time 30 Minutes			HOWCO DISTRICT El Dorado, Kansas		
Depth Top Gauge 1602 Ft. Blanked Off No			Kind of Job Open Hole		
BT. P.R.D. No 396 12 Hr. Clock		CONTRACTOR White and Ellis Drilling Co.		HOLE & TOOL DATA	
Pressure Readings Field Office Corrected					
Initial Hydro Mud Pressure 800 814		Elevation 1222' KB Top Packer Depth 1598'			
Initial Closed in Pres. 490 503		Total Depth 1615 Bottom Packer Depth -			
Initial Flow Pres. 15 16419		Casing or Hole Size 7 5/8" Size & Type Wall Packer 6 3/4" ESWP			
Final Flow Pres. 15 13-18		Liner or Rathole Size 7 5/8" Size Bottom Choke 3/4"			
Final Closed in Pres. 432 426		Casing Perforations Top Bottom Size Surface Choke 1"			
Final Hydro Mud Pressure 8000 808		Interval Tested 1598-1615' ID & Length Air Chamber -			
Depth Center Gauge 1611 Ft. Blanked Off Yes		Formation Tested Hunton ID & Length Drill Collars -			
BT. P.R.D. No 1698 12 Hr. Clock		Est. Gauge Depth Temp. Calc. 100 F. Size Drill Pipe 3 1/2" IF			
Pressure Readings Field Office Corrected		MUD DATA Weight 9.8 Viscosity 37			
Initial Hydro Mud Pressure		All depths measured from Kelly Bushing No...Folders Reproduced 5			
Initial Closed in Pres.		REMARKS: Opened tool for a 4 1/2 minute flow.			
Initial Flow Pres.		Rotated tool closed for a 30 minute Initial			
Final Flow Pres.		Closed in Pressure. Reopened tool with a			
Final Closed in Pres.		very weak blow. Took a 30 minute Final			
Final Hydro Mud Pressure		Closed in 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 5 Feet of Drilling mud slightly water cut			
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 R. Valentine			
Amount-Type of Cushion -		Tester L. J. Cline			

	Time	PSI	
Initial Hydro Mud Pressure		814	Ticket No. 222563
1st Initial Flow		16	
1st Final Flow	4 1/2 Minutes	13	Lease GEHERT
Initial Closed In Pressure	30 Minutes	503	Well No. 2 Test No. 5
2nd Initial Flow		19	BT No. 396 Depth 1602'
2nd Final Flow	60 Minutes	18	12 Hr. Clock No. 3229
Final Closed In Pressure	30 Minutes	426	Temperature Corrected to Calc. 100 ° F
Final Hydro Mud Pressure		808	

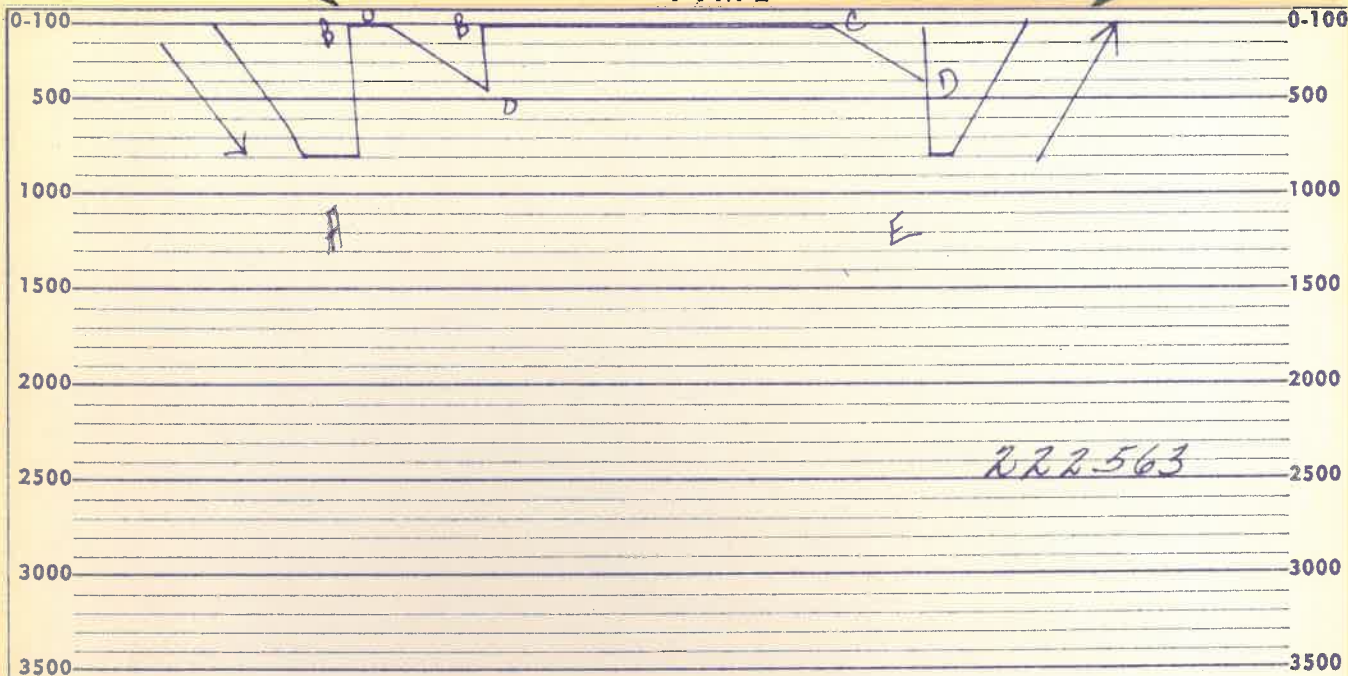
	1st Flow Pressure		Initial CIP		2nd Flow Pressure		Final CIP	
	Time Defl. .000"	PSI Temp. Corr.	Time Defl. .000"	PSI Temp. Corr.	Time Defl. .000"	PSI Temp. Corr.	Time Defl. .000"	PSI Temp. Corr.
PO			.000	13	.000	19	.000	18
P1			.0215	46	.419	18	.021	31
P2			.043	141			.042	67
P3			.0645	249			.063	128
P4			.086	295			.084	201
P5			.1075	357			.105	257
P6			.129	399			.126	301
P7			.1505	432			.147	341
P8			.172	461			.168	375
P9			.1935	487			.189	405
P10			.215	503			.210	426
	Minute Intervals		3	Minute Intervals	Minute Intervals		3	Minute Intervals

Remarks:

222563

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PRESSURE
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← TIME →



- A—Initial Mud Weight
- B—Initial Flow
- C—Final Flow
- D—Closed In Pressure
- E—Final Mud Weight

Full Mud Weight

Initial Closed In Time 30 Minutes			Date 8-12-59		LOCATION SW SE NW 36-11S-8E
Tool Open 1st 2 2nd 60 Minutes			Ticket No. 222564		
Final Closed In Time 30 Minutes			HOWCO DISTRICT El Dorado, Kansas		
Depth Top Gauge 1617 Ft. Blanked Off No			Kind of Job Open Hole		
BT. P.R.D. No 396 12 Hr. Clock		CONTRACTOR White and Ellis Drilling Co.		FIELD	WELL NO. 2
Pressure Readings Field Office Corrected		HOLE & TOOL DATA			
Initial Hydro Mud Pressure 830 830		Elevation 1222' DF Top Packer Depth 1615'			
Initial Closed in Pres. 593 608		Total Depth 1630' Bottom Packer Depth -			
Initial Flow Pres. 45 27-54		Casing or Hole Size 7 5/8" Size & Type Wall Packer 6 3/4" ESWP			
Final Flow Pres. 358 43-360		Liner or Rathole Size 7 5/8" Size Bottom Choke 3/4"			
Final Closed in Pres. 578 605		Casing Perforations Top Bottom Size Surface Choke 1"			
Final Hydro Mud Pressure 815 808		Interval Tested 1615-1630' ID & Length Air Chamber -			
Depth Center Gauge 1626 Ft. Blanked Off Yes		Formation Tested Hunton ID & Length Drill Collars 6" x 120'			
BT. P.R.D. No 1698 12 Hr. Clock		Est. Gauge Depth Temp. Calc. 100 F° Size Drill Pipe 3 1/2"			
Pressure Readings Field Office Corrected		MUD DATA Weight 9.7 Viscosity 37			
Initial Hydro Mud Pressure		All depths measured from Kelly using No...Folders Reproduced 5			
Initial Closed in Pres.		REMARKS: Opened tool for a 3 minute flow.			
Initial Flow Pres.		Rotated tool closed for a 30 minute Initial			
Final Flow Pres.		Closed in Pressure. Reopened tool with a			
Final Closed in Pres.		strong blow throughout test. Took a 30			
Final Hydro Mud Pressure		minute Final Closed in Pressure.			
Depth Bottom Gauge Ft. Blanked Off					
BT. P.R.D. No Hr. Clock				STATE KANSAS	OWNERS DISTRICT
Pressure Readings Field Office Corrected					
Initial Hydro Mud Pressure					
Initial Closed in Pres.		Recovered 240 Feet of Muddy water			
Initial Flow Pres.		Recovered 535 Feet of Water			
Final Flow Pres.		Recovered Feet of			
Final Closed in Pres.		Recovered Feet of			
Final Hydro Mud Pressure		Witnessed By R. Valentine			
Amount-Type of Cushion -		Tester L. J. Cline			

	Time	PSI	
Initial Hydro Mud Pressure		830	Ticket No. 222564
1st Initial Flow		27	
1st Final Flow	2 Minutes	43	Lease GEHERT
Initial Closed In Pressure	30 Minutes	608	
2nd Initial Flow		54	Well No. 2 Test No. 6
2nd Final Flow	60 Minutes	360	
Final Closed In Pressure	30 Minutes	605	BT No. 396 Depth 1617'
Final Hydro Mud Pressure		808	
			12 Hr. Clock No. 4094
			Temperature Corrected to Calc. 100 ° F

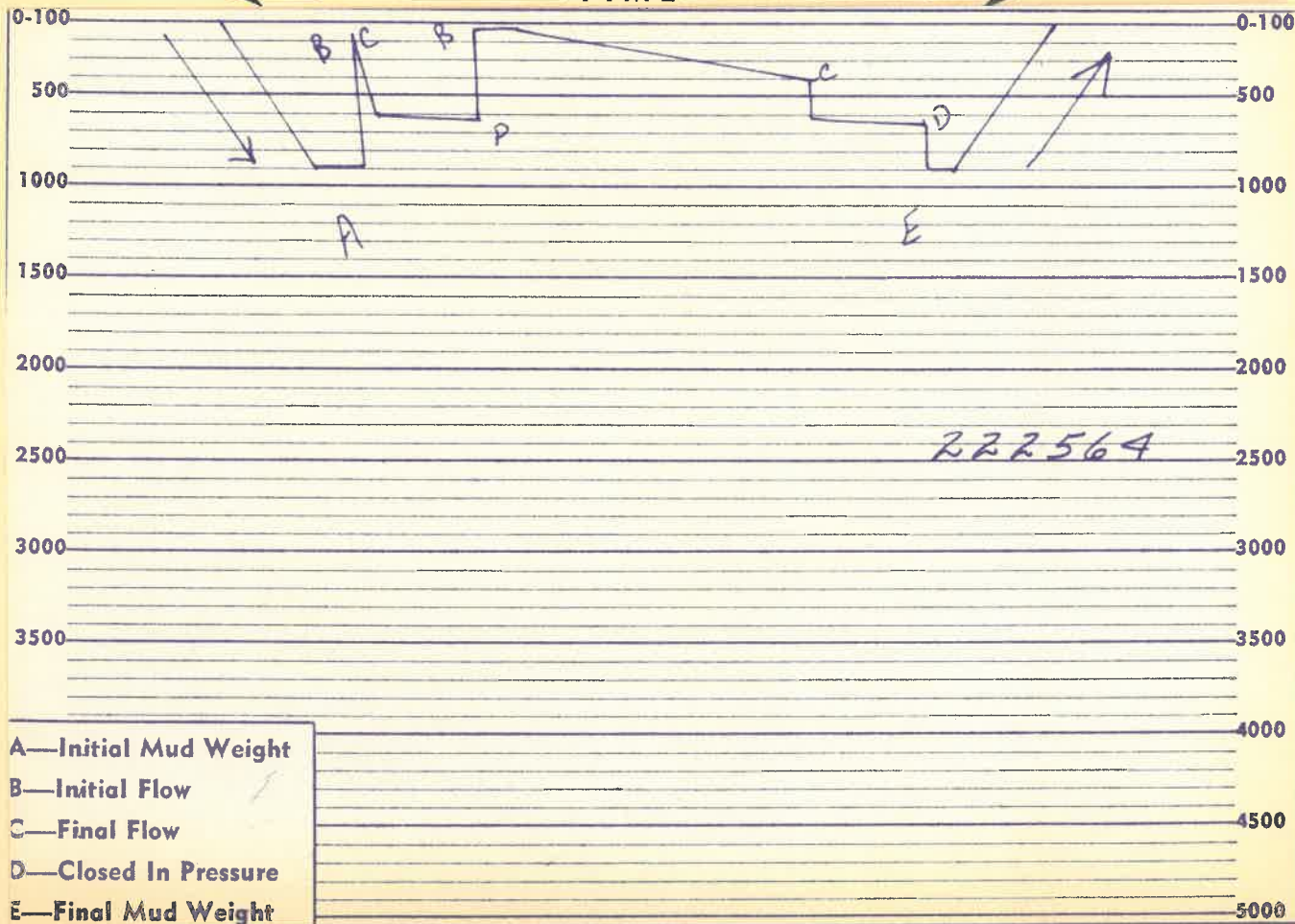
	1st Flow Pressure		Initial CIP		2nd Flow Pressure		Final CIP	
	Time Defl. .000"	PSI Temp. Corr.	Time Defl. .000"	PSI Temp. Corr.	Time Defl. .000"	PSI Temp. Corr.	Time Defl. .000"	PSI Temp. Corr.
PO			.000	43	.000	54	.000	360
P1			.0205	572	.103	149	.020	556
P2			.041	593	.206	231	.040	580
P3			.0615	601	.309	299	.060	590
P4			.082	604	.412	360	.080	598
P5			.1025	607			.100	601
P6			.123	608			.120	602
P7			.1435	608			.140	604
P8			.164	608			.160	605
P9			.1845	608			.180	605
P10			.205	608			.200	605
	Minute Intervals		3	Minute Intervals	15	Minute Intervals	3	Minute Intervals

Remarks:

222564

PRESSURE

TIME



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