	1st Min.	2nd Min.
Flow Time	30	30
Closed In Press. Time	30	30
Pressure Readings	Field	Office Corrected
Depth Top Gauge	2447 Ft.	No Blanked Off
BT. P.R.D. No.	536	12 Hour Clock
Initial Hydro Mud Pressure	1280	1274
Initial Closed in Pres.	795	785
Initial Flow Pres.	18 1	16
	110 2	111
Final Flow Pres.	100 1	99
	175 2	173
Final Closed in Pres.	795	786
Final Hydro Mud Pressure	1255	1274
Depth Cen. Gauge	2463 Ft.	yes Blanked Off
BT. P.R.D. No.	1698	12 Hour Clock
Initial Hydro Mud Pres.		
Initial Closed in Pres.		
Initial Flow Pres.	1	
	2	
Final Flow Pres.	1	
	2	
Final Closed in Pres.		
Final Hydro Mud Pres.		
Depth Bot. Gauge	Ft.	Blanked Off
BT. P.R.D. No.		Hour Clock
Initial Hydro Mud Pres.		
Initial Closed in Pres.		
Initial Flow Pres.	1	
	2	
Final Flow Pres.	1	
	2	
Final Closed in Pres.		
Final Hydro Mud Pres.		

Date	6-7-62	Ticket Number	323557 - S
Kind of Job	OPEN HOLE	Halliburton District	EL DORADO
Tester	W. L. GASPERSON	Witness	GARRETT DAVIS
Drilling Contractor	WHITE & ELLIS DRILLING INC.		
Elevation	1396' GL	Top Packer	
Total Depth	2467'	Bottom Packer	2456'
Interval Tested	2456-2467'	Formation Tested	Viola
Casing or Hole Size	7 7/8"	Casing Top / Perfs. Bot.	
Surface Choke	1"	Bottom Choke	3/4"
Size & Kind Drill Pipe	4 1/2" X H	Drill Collars Above Tester I.D. - LENGTH	2 1/4" X 86'
Mud Weight	10.1	Mud Viscosity	40
Temperature	100 °F Est. / °F Actual	Anchor Size & Length ID / OD	3 1/2" X 4" 11
Depths Mea. From	1401 KB	Depth of Tester Valve	2445' Ft.
Cushion TYPE — AMOUNT — Ft.		Depth Back Pres. Valve	— Ft.
Recovered	398 Feet of	Oil	
Recovered	65 Feet of	Heavy oil cut mud	
Recovered	Feet of		
Recovered	Feet of		
Oil A.P.I. Gravity	42 @ 82°	Water Spec. Gravity	
Gas Gravity		Surface Pressure	psi
Tool Opened	6:20 AM A.M. P.M.	Tool Closed	7:50 AM A.M. P.M.

Remarks: Tool opened with good blow for a 30 minute first flow. Rotated tool for a 30 minute initial closed in pressure. Reopened tool with good blow for a 30 minute final flow. Took a 30 minute final closed in pressure.

Meas. From Tester Valve

Lease Name: HEGBERG — Well No.: 1 — Test No.: 170

Legal Location Sec. - Twp. - Rng.: 28 - 25S - 5E — 884' N & 1096' W of Center

Field Area: El Dorado — County: BUTLER — State: KANSAS

Lease Owner/Company Name: CITIES SERVICE PETROLEUM COMPANY

Owner's District: EL DORADO, KS.

FORMATION TEST DATA

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SPECIAL PRESSURE DATA

Gauge No. 536	Depth 2447	Clock 12 hour	Ticket No. 323557

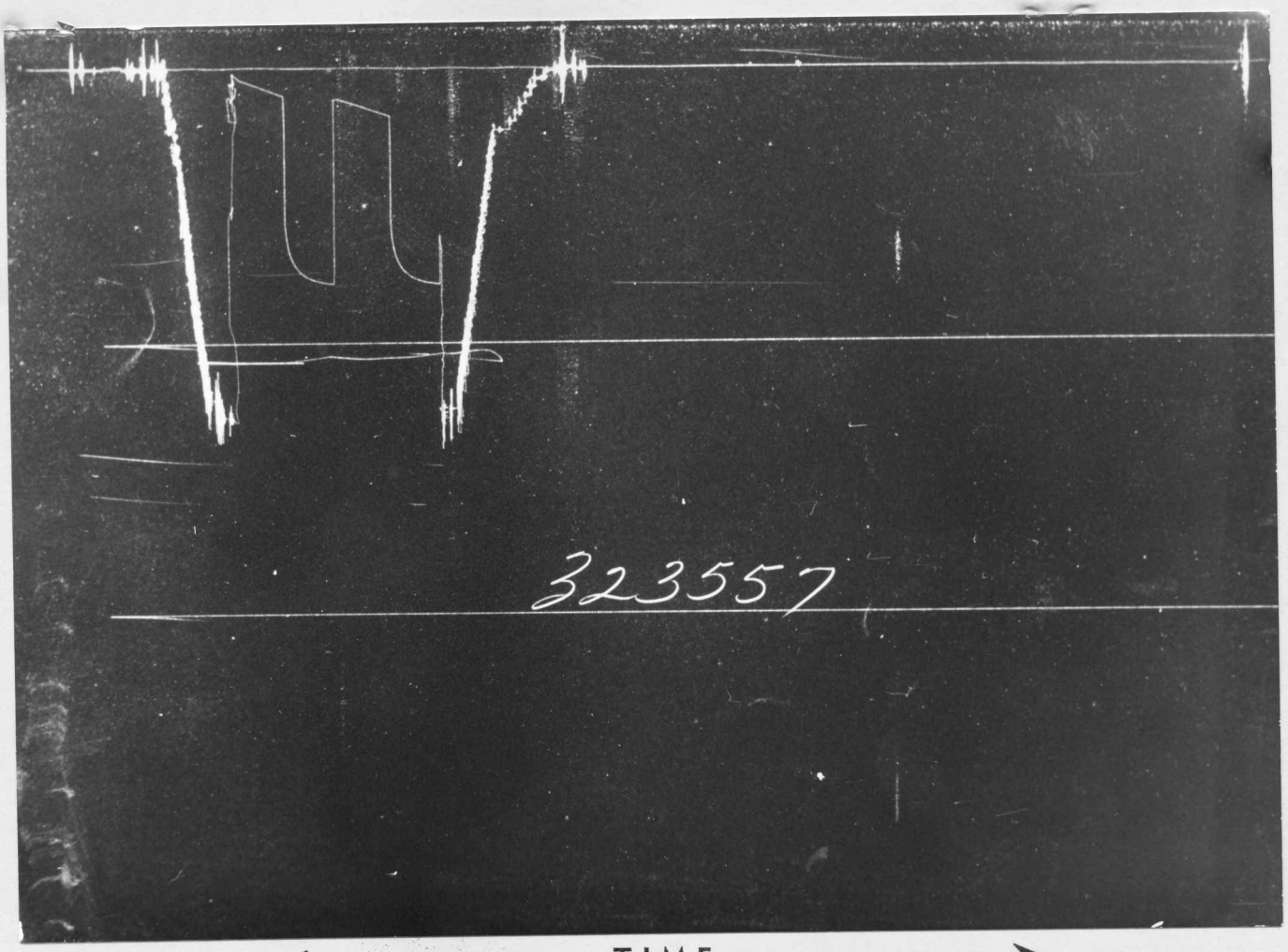
	First Flow Period		Initial Closed In Pressure			Second Flow Period		Final Closed In Pressure		
	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t+\theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t+\theta}{\theta}$	PSIG Temp. Corr.
P_0	.000	16	.000		99	.000	111	.000		173
P_1	.041	44	.0197		671	.045	119	.0197		680
P_2	.082	57	.0394		713	.090	131	.0394		721
P_3	.123	71	.0591		739	.135	146	.0591		743
P_4	.164	85	.0788		754	.180	159	.0788		756
P_5	.205	99	.0985		764	.225	173	.0985		766
P_6			.1182		772			.1182		774
P_7			.1379		776			.1379		778
P_8			.1576		780			.1576		782
P_9			.1773		783			.1773		785
P_{10}			.1970		785			.1970		786

Gauge No.	Depth	Clock	hour

P_0										
P_1										
P_2										
P_3										
P_4										
P_5										
P_6										
P_7										
P_8										
P_9										
P_{10}										
Reading Interval	6		3			6		3		Minutes

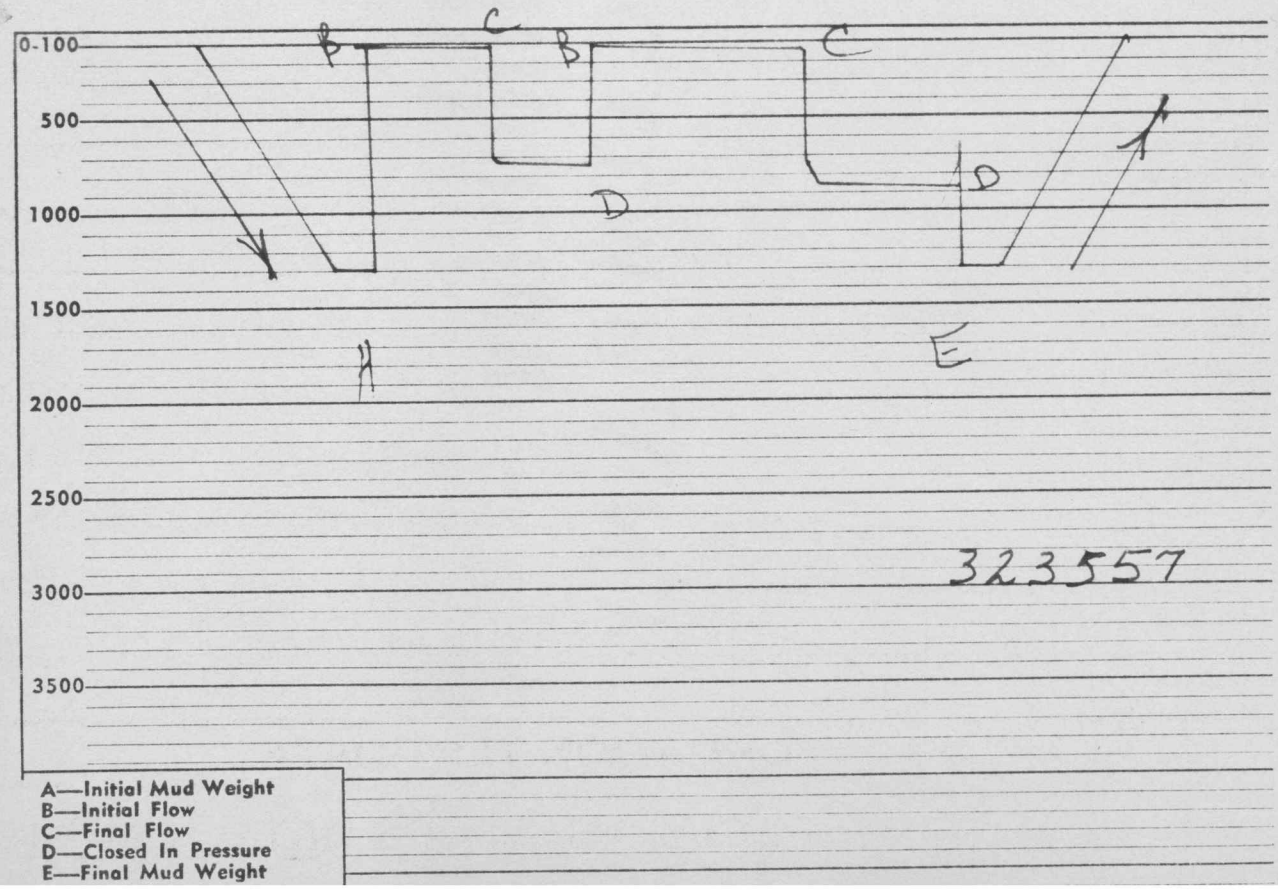
REMARKS:

SPECIAL PRESSURE DATA



PRESSURE

TIME



	1st Min.	2nd Min.
Flow Time	30	30
Closed In Press. Time	30	30
Pressure Readings	Field	Office Corrected
Depth Top Gauge	2553 Ft.	no Blanked Off
BT. P.R.D. No.	536	12 Hour Clock
Initial Hydro Mud Pressure	1310	1304
Initial Closed in Pres.	722	721
Initial Flow Pres.	10 (1) / 20 (2)	18 / 23
Final Flow Pres.	20 (1) / 20 (2)	18 / 22
Final Closed in Pres.	695	689
Final Hydro Mud Pressure	1310	1295
Depth Cen. Gauge	Ft.	Blanked Off
BT. P.R.D. No.		Hour Clock
Initial Hydro Mud Pres.		
Initial Closed in Pres.		
Initial Flow Pres.	1 / 2	
Final Flow Pres.	1 / 2	
Final Closed in Pres.		
Final Hydro Mud Pres.		
Depth Bot. Gauge	2567 Ft.	yes Blanked Off
BT. P.R.D. No.	1698	12 Hour Clock
Initial Hydro Mud Pres.		
Initial Closed in Pres.		
Initial Flow Pres.	1 / 2	
Final Flow Pres.	1 / 2	
Final Closed in Pres.		
Final Hydro Mud Pres.		

Date	6-8-62	Ticket Number	323558 S
Kind of Job	OPEN HOLE	Halliburton District	ELDORADO
Tester	GASPERSON	Witness	DAVIS
Drilling Contractor	WHITE & ELLIS DRILLING COMPANY		
Elevation	1396' GL	Top Packer	
Total Depth	2571'	Bottom Packer	2562'
Interval Tested	2562-2571'	Formation Tested	Arbuckle
Casing or Hole Size	7 7/8"	Casing Perfs. Top / Bot.	
Surface Choke	1"	Bottom Choke	3/4"
Size & Kind Drill Pipe	4½" x Hole	Drill Collars Above Tester (I.D. - LENGTH)	2¼" x 86'
Mud Weight	10	Mud Viscosity	41
Temperature	100 °F Est. / °F Actual	Anchor Size & Length (ID / OD)	3½" / 4" X 9'
Depths Mea. From	KB	Depth of Tester Valve	2551' Ft.
Cushion (TYPE / AMOUNT)	- Ft.	Depth Back Pres. Valve	Ft.
Recovered	15 Feet of	Oil cut mud	
Recovered	Feet of		
Recovered	Feet of		
Recovered	Feet of		
Oil A.P.I. Gravity		Water Spec. Gravity	
Gas Gravity		Surface Pressure	psi
Tool Opened	12:00 noon A.M. / P.M.	Tool Closed	1:30 A.M. / P.M.

Remarks: Opened with a very weak blow, for 30 min. 1st flow. Closed for 30 min. initial closed in pressure. Reopened for 30 min. 2nd flow. Closed for 30 min. final closed in pressure.

Legal Location Sec. - Twp. - Rng.: 884' N & 1096' W of Center 28-25S-5E
Lease Name: HEGBERG
Well No.: 170
Test No.: 2
Field Area: ELDORADO
County: BUTLER
State: KANSAS
Lease Owner/Company Name: CITIES SERVICE PETROLEUM COMPANY
Owner's District: ELDORADO

Mea. From Tester Valve

FORMATION TEST DATA

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Gauge No. 536	Depth 2553'	Clock 12 hour	Ticket No. 323558

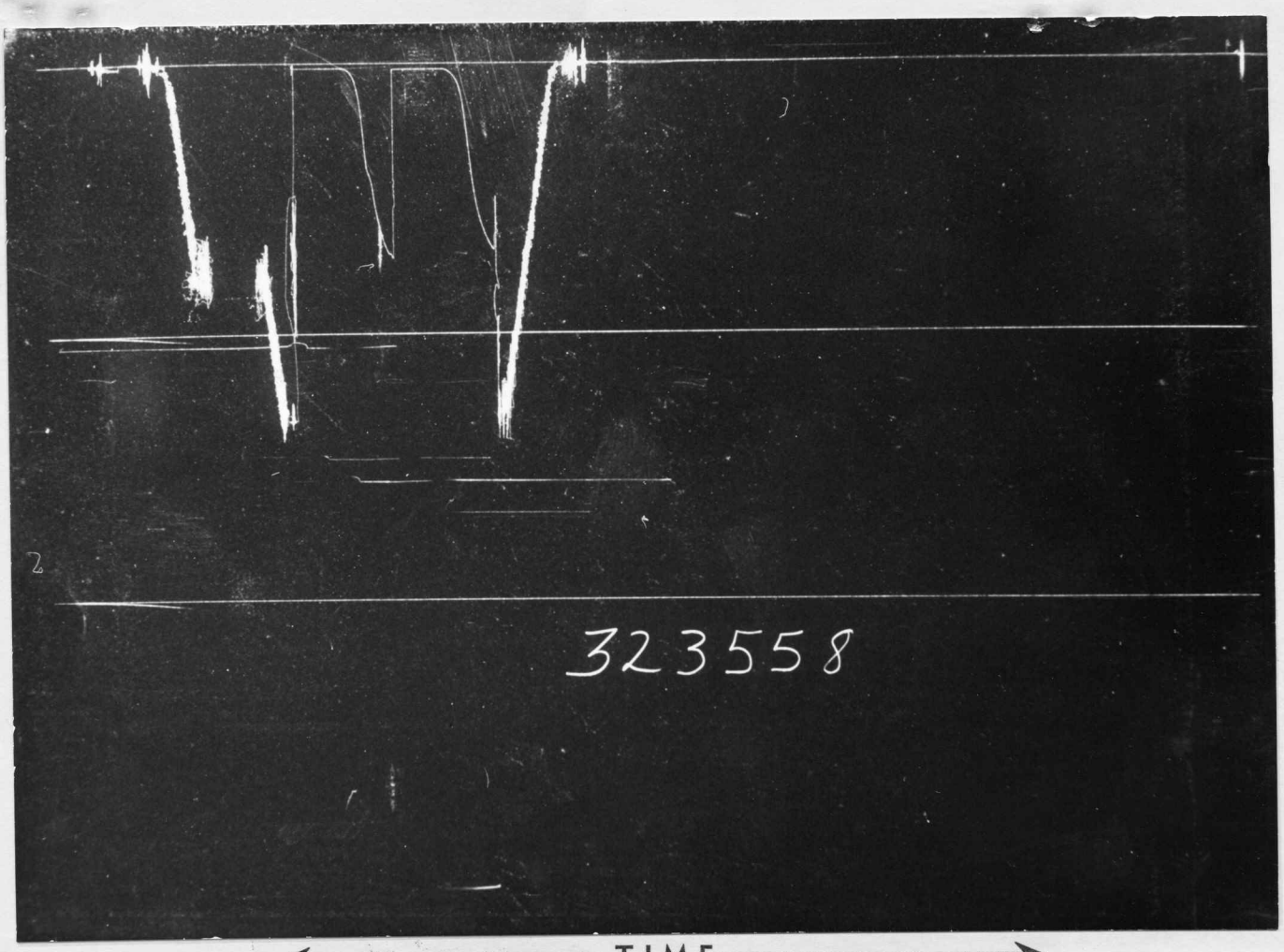
	First Flow Period		Initial Closed In Pressure			Second Flow Period		Final Closed In Pressure		
	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t+\Theta}{\Theta}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t+\Theta}{\Theta}$	PSIG Temp. Corr.
P_0	.000	18	.000		18	.000	23	.000		22
P_1	.187	18	.022		19	.204	22	.0208		27
P_2			.044		33			.0416		43
P_3			.066		73			.0624		76
P_4			.088		181			.0832		154
P_5			.110		371			.1040		312
P_6			.132		442			.1248		463
P_7			.154		561			.1456		559
P_8			.176		645			.1664		620
P_9			.198		693			.1872		662
P_{10}			.220		721			.2080		689

Gauge No.	Depth	Clock	hour

P_0										
P_1										
P_2										
P_3										
P_4										
P_5										
P_6										
P_7										
P_8										
P_9										
P_{10}										

Reading Interval	3		3	Minutes

REMARKS:



PRESSURE

TIME

