

Flow Time	1st 7	Min.	2nd 90	Min.	Date	3-5-62	Ticket Number	326504 S	
Closed In Press. Time	1st 30	Min.	2nd 30	Min.	Kind of Job	Open hole test	Halliburton District	Hays	
Pressure Readings	Field			Office Corrected		Tester	Berens	Witness	Mabry
Depth Top Gauge	3019	Ft.	NO	Blanked Off	Drilling Contractor	Leben Drilling Company			
BT. P.R.D. No.	396		12	Hour Clock	Elevation	2093'	Top Packer	-	
Initial Hydro Mud Pressure	1720		1617		Total Depth	3059'	Bottom Packer	3010'	
Initial Closed in Pres.	950		947		Interval Tested	3013'-3059'	Formation Tested	-	
Initial Flow Pres.	35	1	47		Casing or Hole Size	7 7/8"	Casing Perfs.	Top	
	35	2	57					Bot.	-
Final Flow Pres.	35	1	44				Surface Choke	1/4"	Bottom Choke
Final Closed in Pres.	730		766		Size & Kind Drill Pipe	4 1/2" FH	Drill Collars Above Tester		
Final Hydro Mud Pressure	1740		1595		Mud Weight	10	Mud Viscosity	43	
Depth Gen. Gauge		Ft.		Blanked Off	Temperature	99	Anchor Size & Length	ID 3.76" X 5" OD 46'	
BT. P.R.D. No.				Hour Clock	Depths Mea. From	Kelly Bushings	Depth of Tester Valve	3009' Ft.	
Initial Hydro Mud Pres.					TYPE AMOUNT		Depth Back Pres. Valve	3004' Ft.	
Initial Closed in Pres.					Recovered	20	Feet of Gas		
Initial Flow Pres.		1			Recovered	10	Feet of Oil & gas cut mud		
Final Flow Pres.		1			Recovered	60	Feet of Slightly oil & gas cut mud		
Final Closed in Pres.		2			Recovered	60	Feet of Mud with show of oil		
Final Hydro Mud Pres.					Oil A.P.I. Gravity	-	Water Spec. Gravity	-	
Depth Bot. Gauge	3054	Ft.	YES	Blanked Off	Gas Gravity	-	Surface Pressure	- psi	
BT. P.R.D. No.	1463		12	Hour Clock	Tool Opened	9:10	A.M. Tool Closed	11:17 A.M. P.M.	
Initial Hydro Mud Pres.			1715		Remarks				
Initial Closed in Pres.			986		Opened tool for 7 minute 1st flow. Closed tool for 30 minute initial closed in pressure.				
Initial Flow Pres.		1	32		Reopened tool for 90 minute 2nd flow with very weak blow throughout test. Closed tool for 30 minute final closed in pressure.				
		2	33						
Final Flow Pres.		1	29						
		2	57						
Final Closed in Pres.			793						
Final Hydro Mud Pres.			1693						

CONGEE
 Lease Name
 SEC. 22 - 10 - 16
 Well No.
 Test No.
 Field Area
 County
 ROOKS
 State
 KANSAS
 CITIZEN SERVICE PETROLEUM COMPANY
 Lease Owner/Company Name
 RUSSELL & PLAINVILLE
 Owners District
 22-10-16 W

FORMATION TEST DATA

SPECIAL PRESSURE DATA

5

Gauge No. 396		Depth 3019'			Clock 12 hour		Ticket No. 326504			
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	47	.000		44	.000	57	.000		84
P ₁	.046	44	.0202		96	.1053	59	.0203		124
P ₂			.0404		431	.2106	67	.0406		214
P ₃			.0606		645	.3159	73	.0609		373
P ₄			.0808		752	.4212	78	.0812		498
P ₅			.1010		817	.5265	81	.1015		585
P ₆			.1212		861	.6320	84	.1218		642
P ₇			.1414		890			.1421		685
P ₈			.1616		915			.1624		718
P ₉			.1818		933			.1827		745
P ₁₀			.2020		947			.2030		766

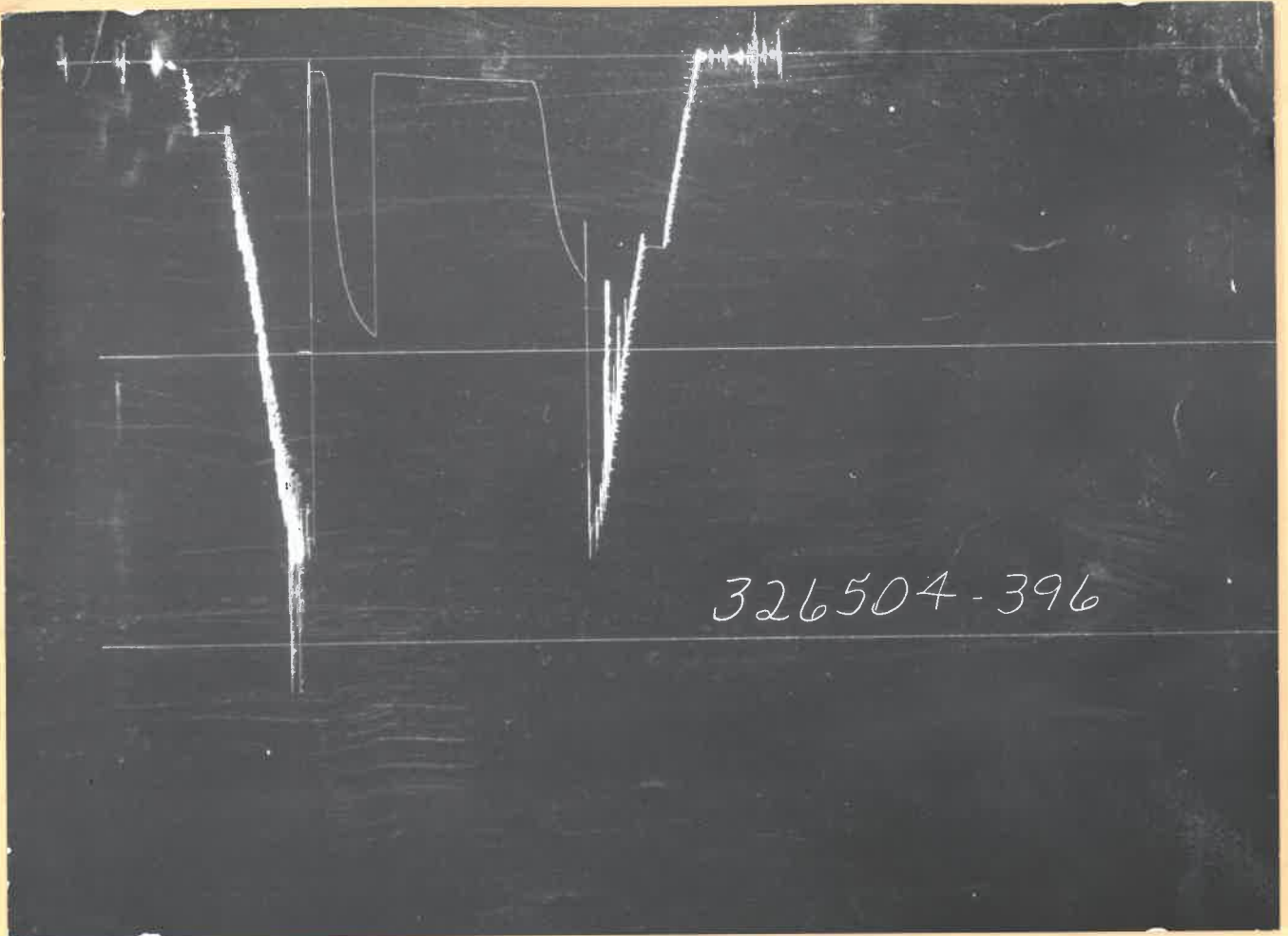
Gauge No. 1463		Depth 3054'			Clock 12 hour					
Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t+\theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t+\theta}{\theta}$	PSIG Temp. Corr.	
P ₀	.000	32	.000		29	.000	33	.000		57
P ₁	.054	29	.0193		107	.1058	32	.0203		105
P ₂			.0386		453	.2116	40	.0406		189
P ₃			.0579		677	.3174	46	.0609		343
P ₄			.0772		784	.4232	50	.0812		496
P ₅			.0965		853	.5290	54	.1015		597
P ₆			.1158		895	.6350	57	.1218		663
P ₇			.1351		928			.1421		707
P ₈			.1544		953			.1624		744
P ₉			.1737		971			.1827		774
P ₁₀			.1930		986			.2030		793
Reading Interval		3			15		3			Minutes

REMARKS:

SPECIAL PRESSURE DATA

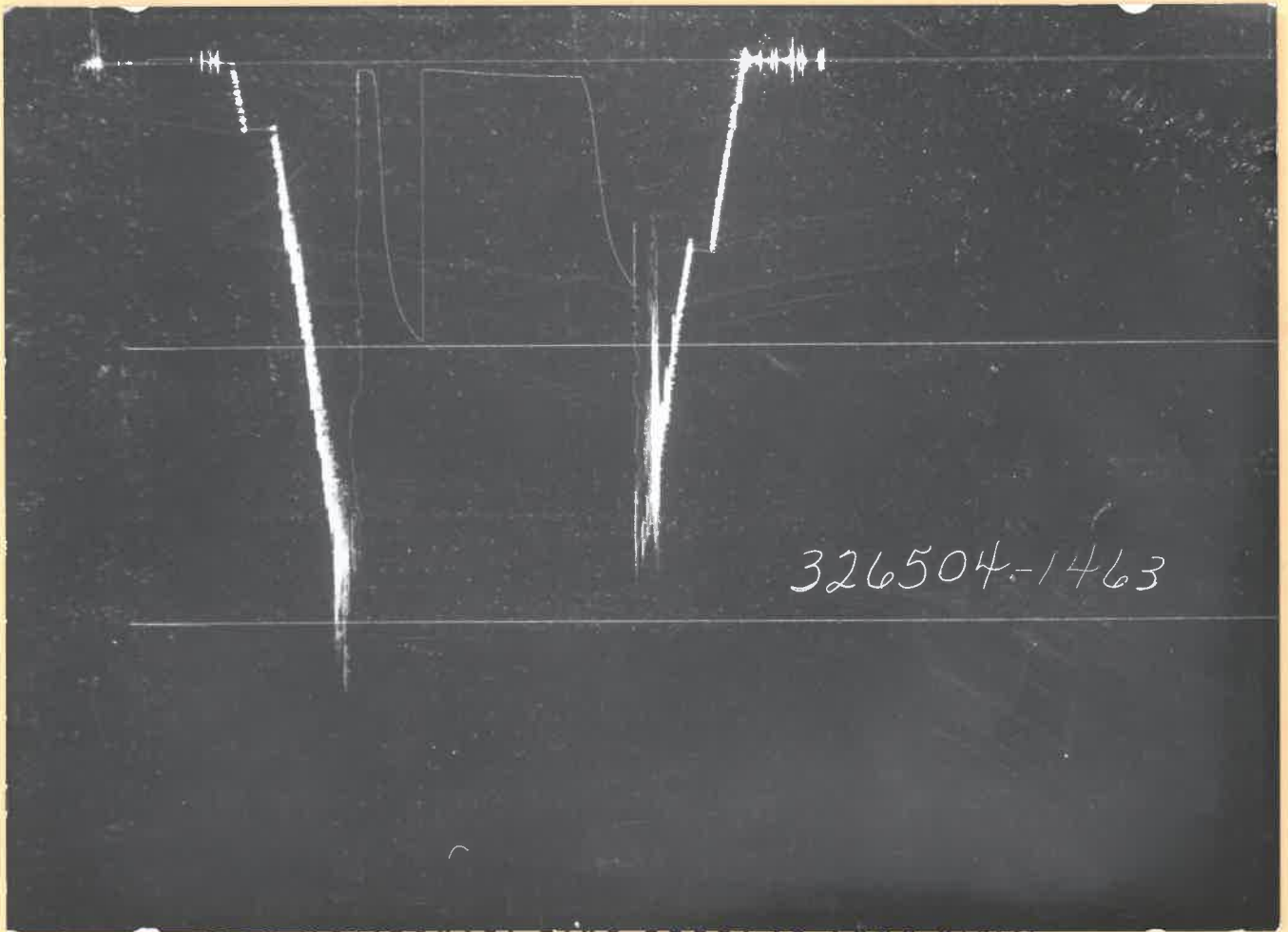
22-105-16W

↑
PRESSURE
↓



326504-396

← TIME →



326504-1463

Flow Time	1st 6	Min.	2nd 90	Min.	Date	3-7-62	Ticket Number	326505 S
Closed In Press. Time	1st 30	Min.	2nd 30	Min.	Kind of Job	Open hole test	Halliburton District	Hays
Pressure Readings	Field		Office Corrected		Tester	Barans	Witness	Mabry
Depth Top Gauge	3310	Ft.	NO	Blanked Off	Drilling Contractor	Leben Drilling Company		
BT. P.R.D. No.	396		12	Hour Clock	Elevation	2093'	Top Packer	-
Initial Hydro Mud Pressure	-		1746		Total Depth	3345'	Bottom Packer	3305'
Initial Closed in Pres.	720		723		Interval Tested	3305' - 3345'	Formation Tested	Kansas City
Initial Flow Pres.	20	1	17		Casing or Hole Size	7 7/8"	Casing Perfs.	Top
	20	2	21					Bot.
Final Flow Pres.	20	1	17		Surface Choke	1/4"	Bottom Choke	5/8"
	20	2	18					I.D. - LENGTH
Final Closed in Pres.	105		124		Size & Kind Drill Pipe	4 1/2" FH	Drill Collars Above Tester	-
Final Hydro Mud Pressure	1850		1739		Mud Weight	10	Mud Viscosity	43
Depth Cen. Gauge		Ft.		Blanked Off	Temperature	96	Anchor Size ID	3.76" X
BT. P.R.D. No.				Hour Clock	Depths Mea. From	Kelly Bushings	Depth of Tester Valve	3298' Ft.
Initial Hydro Mud Pres.					Cushion		TYPE AMOUNT	
Initial Closed in Pres.							Depth Back Pres. Valve	3295' Ft.
Initial Flow Pres.		1			Recovered	28	Feet of Mud	Mea. From Tester Valve
Final Flow Pres.		2			Recovered		Feet of	
Initial Closed in Pres.		1			Recovered		Feet of	
Final Closed in Pres.		2			Recovered		Feet of	
Final Hydro Mud Pres.					Oil A.P.I. Gravity	-	Water Spec. Gravity	-
Depth Bot. Gauge	3334	Ft.	YES	Blanked Off	Gas Gravity	-	Surface Pressure	- psi
BT. P.R.D. No.	1463		12	Hour Clock	Tool Opened	8:45	A.M. Tool Closed	10:51 A.M.
Initial Hydro Mud Pres.			1777		Remarks	Opened tool for 6 minute 1st flow. Closed		
Initial Closed in Pres.			748			tool for 30 minute initial closed in pressure.		
Initial Flow Pres.		1	43			Reopened tool for 90 minute 2nd flow with weak		
		2	51			blow for 4 minutes. Closed tool for 30 minute		
Final Flow Pres.		1	43			final closed in pressure.		
		2	48					
Final Closed in Pres.			148					
Final Hydro Mud Pres.			1772					

Legal Location Sec. - Twp. - Rng. SEC. 22 - 10 - 16

Lease Name CONGER

Well No. B-1

Test No. 2

Field Area

County ROOKS

State KANSAS

Lease Owner/Company Name CITIES SERVICE PETROLEUM COMPANY

Owner's District RUSSELL 46-101-16 W

FORMATION TEST DATA

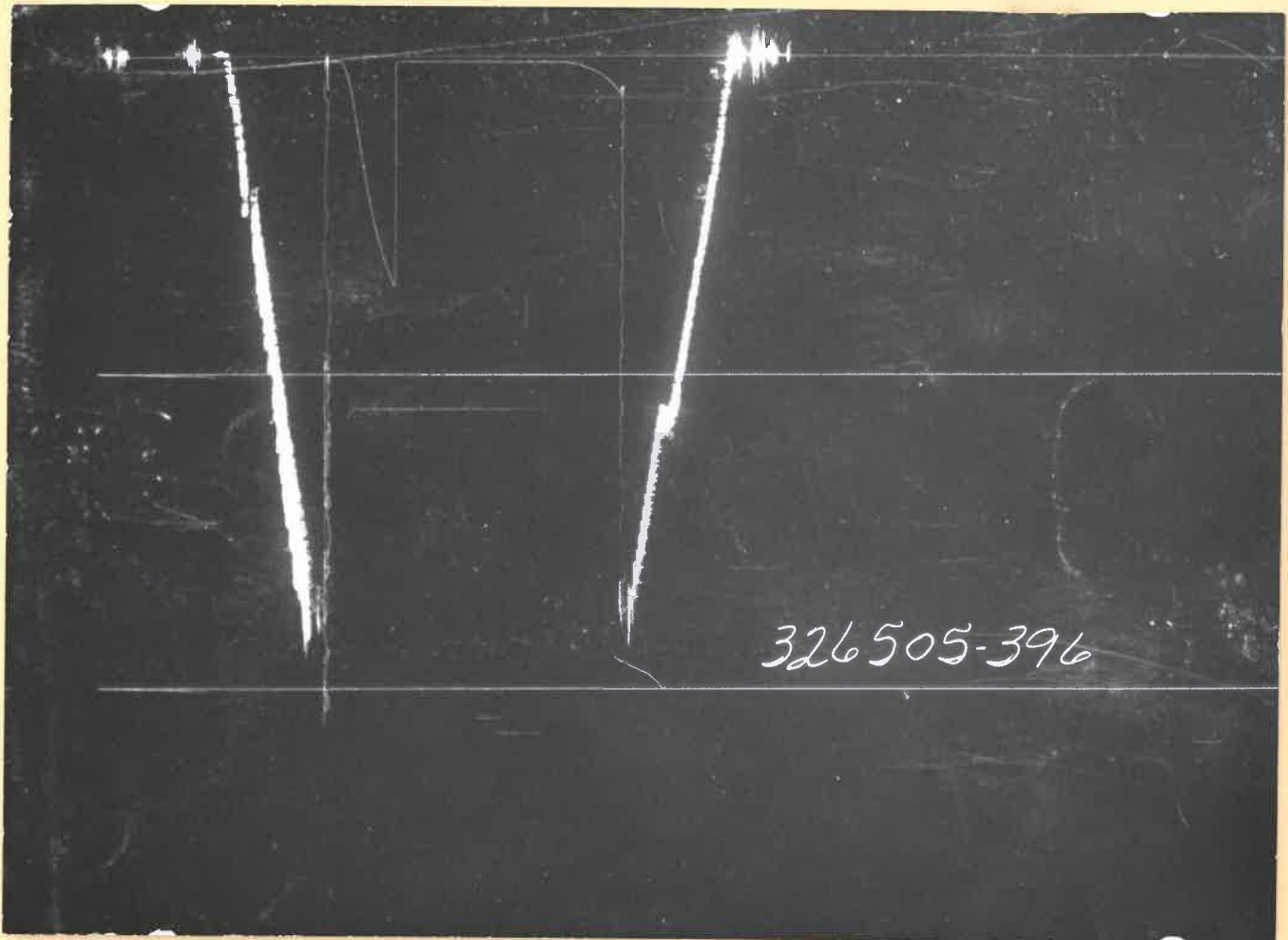
SPECIAL PRESSURE DATA

5

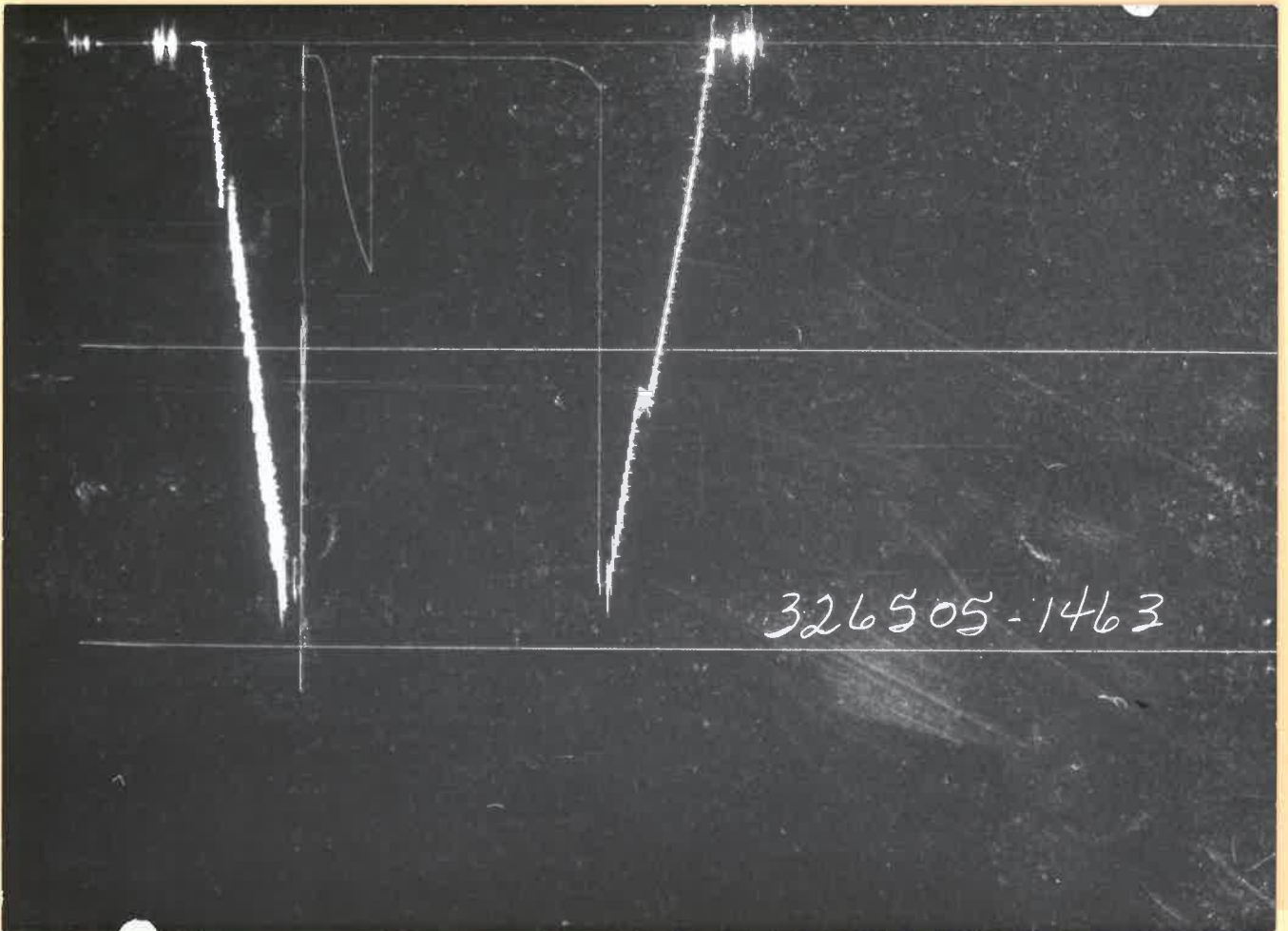
Gauge No. 396			Depth 3310'			Clock 12 hour			Ticket No. 326505		
First Flow Period			Initial Closed In Pressure			Second Flow Period			Final Closed In Pressure		
	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t+\theta}{\phi}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t+\theta}{\phi}$	PSIG Temp. Corr.	
P ₀	.000	17	.000		17	.000	21	.000		18	
P ₁	.049	17	.0198		48	.634	18	.199		124	
P ₂			.0396		117						
P ₃			.0594		219						
P ₄			.0792		329						
P ₅			.0990		425						
P ₆			.1188		506						
P ₇			.1386		576						
P ₈			.1584		633						
P ₉			.1782		682						
P ₁₀			.1980		723						
Gauge No. 1463			Depth 3334'			Clock 12 hour					
P ₀	.000	43	.000		43	.000	51	.000		48	
P ₁	.047	43	.0201		68	.631	48	.206		148	
P ₂			.0402		133						
P ₃			.0603		241						
P ₄			.0804		358						
P ₅			.1005		452						
P ₆			.1206		531						
P ₇			.1407		599						
P ₈			.1608		656						
P ₉			.1809		706						
P ₁₀			.2010		748						
Reading Interval			3						Minutes		
REMARKS:											

SPECIAL PRESSURE DATA

PRESSURE



TIME



Flow Time	1st 5	Min.	2nd 90	Min.	Date	3-8-62	Ticket Number	326506	s	Legal Location Sec. - Twp. - Rng. 22-10-16
Closed In Press. Time	1st 30	Min.	2nd 30	Min.	Kind of Job	OPEN HOLE	Halliburton District	HAYS		
Pressure Readings	Field		Office Corrected		Tester	BEFENS	Witness	LYNCH		
Depth Top Gauge	3354	Ft.	No	Blanked Off	Drilling Contractor	LEBEN DRILLING COMPANY				
BT. P.R.D. No.	396		12	Hour Clock	Elevation	2093'	Top Packer			
Initial Hydro Mud Pressure	1785		1835		Total Depth	3395'	Bottom Packer	3350'		
Initial Closed in Pres.	1145		1151		Interval Tested	3350-3395'	Formation Tested	Kansas City		
Initial Flow Pres.	15		17		Casing or Hole Size	7 7/8"	Casing Perfs. { Top			
	30		32				Bot.			
Final Flow Pres.	185		194		Surface Choke	1/4"	Bottom Choke	5/8"		
Final Closed in Pres.	1090		1100		Size & Kind Drill Pipe	120' FH 4 1/2" APIFH	Drill Collars Above Tester	775' Flex wt		
Final Hydro Mud Pressure			1797		Mud Weight	10	Mud Viscosity	43		
Depth Cen. Gauge		Ft.		Blanked Off	Temperature	98	Anchor Size & Length	ID 3.75" X OD 5"	45'	
BT. P.R.D. No.				Hour Clock	Depths Mea. From	KB	Depth of Tester Valve	3344' Ft.		
Initial Hydro Mud Pres.					Cushion	None	Depth Back Pres. Valve	3340' Ft.		
Initial Closed in Pres.					Recovered	387	Feet of Muddy salt water			
Initial Flow Pres.			1		Recovered		Feet of			
Final Flow Pres.			1		Recovered		Feet of			
Final Closed in Pres.			2		Recovered		Feet of			
Final Hydro Mud Pres.					Oil A.P.I. Gravity		Water Spec. Gravity	1.156		
Depth Bot. Gauge	3384	Ft.	Yes	Blanked Off	Gas Gravity		Surface Pressure	psi		
BT. P.R.D. No.	1163		12	Hour Clock	Tool Opened	12:50	A.M. Tool Closed	2:55	A.M. P.M.	
Initial Hydro Mud Pres.			1865		Remarks	Opened with a fair blow, for 5 min.				
Initial Closed in Pres.			1177			1st flow. Closed for 30 min. ICIP. Reopened				
Initial Flow Pres.			1 46			for 90 min. 2nd flow. Closed for 30 min.				
Final Flow Pres.			2 64			FCIP.				
Final Closed in Pres.			1 49							
Final Flow Pres.			2 221							
Final Closed in Pres.			1125							
Final Hydro Mud Pres.			1827							

FORMATION TEST DATA

SPECIAL PRESSURE DATA

5

CONGER
 Lease Name:
 Well No. B-1
 Test No. 3
 CITIES SERVICE PETROLEUM COMPANY
 Lease Owner/Company Name
 4
 ROOKS
 County
 State
 KANSAS
 Owner's District
 RUSSSELL 2-105-16W

Gauge No. 396		Depth 3354'			Clock 12 hour		Ticket No. 326506			
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	17	.000		22	.000	32	.000		194
P ₁	.0076	17	.0205		1098	.0977	47	.025		989
P ₂	.0152	17	.0410		1118	.1954	66	.050		1020
P ₃	.0228	18	.0615		1129	.2931	98	.075		1042
P ₄	.0304	20	.0820		1136	.3908	132	.100		1057
P ₅	.0380	22	.1025		1141	.4885	164	.125		1069
P ₆			.1230		1144	.5860	194	.150		1077
P ₇			.1435		1147			.175		1085
P ₈			.1640		1149			.200		1091
P ₉			.1845		1150			.225		1097
P ₁₀			.2050		1151			.250		1100

Gauge No. 1463		Depth 3384'			Clock 12 hour					
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	46	.000		49	.000	64	.000		221
P ₁	.035	49	.0214		1112	.0977	75	.0258		1000
P ₂			.0428		1139	.1954	93	.0516		1039
P ₃			.0642		1153	.2931	126	.0774		1062
P ₄			.0856		1161	.3908	159	.1032		1079
P ₅			.1070		1166	.4885	190	.1290		1091
P ₆			.1284		1170	.5860	221	.1548		1100
P ₇			.1498		1172			.1806		1107
P ₈			.1712		1174			.2064		1114
P ₉			.1926		1175			.2322		1120
P ₁₀			.2140		1177			.2580		1125

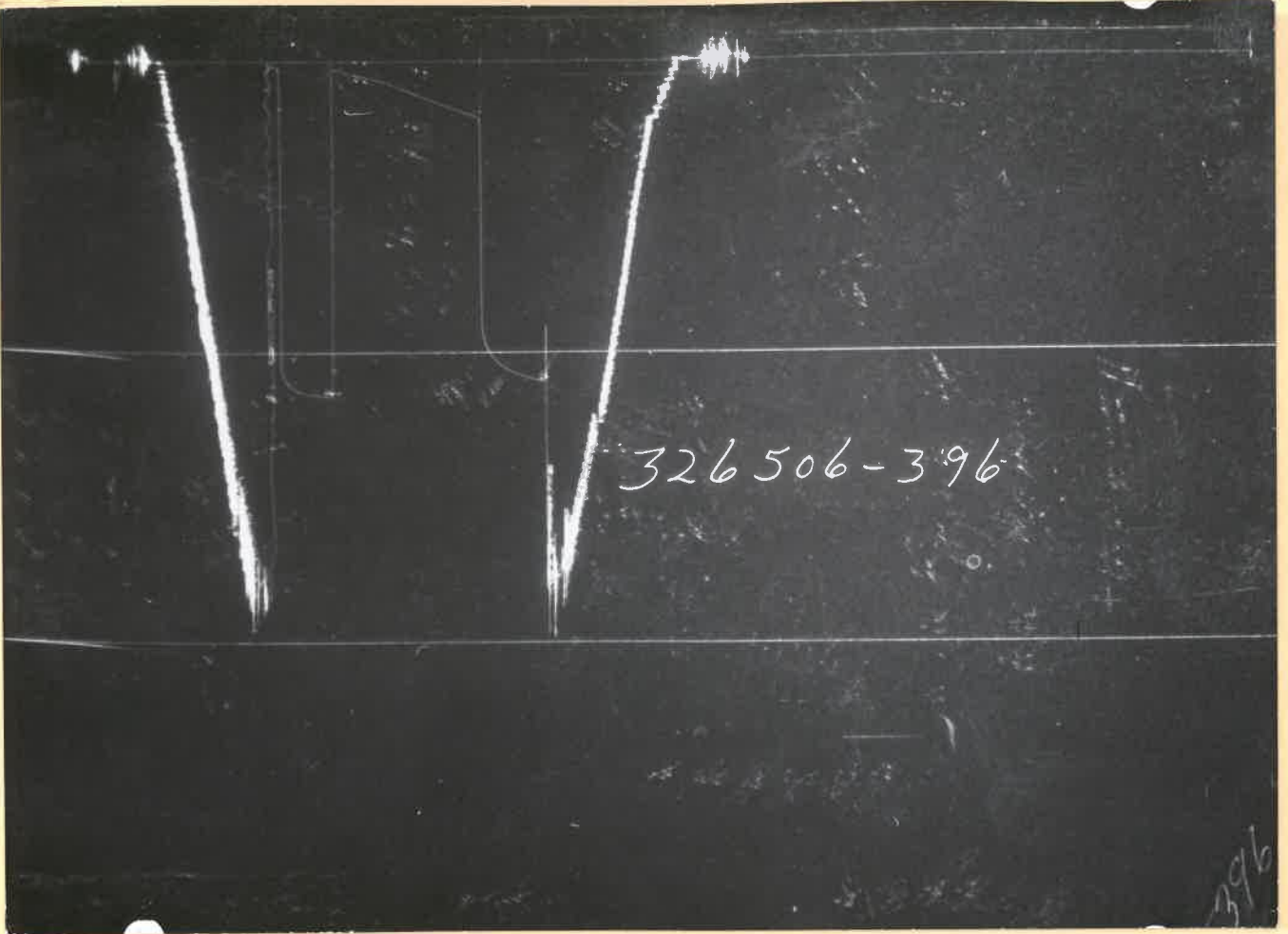
Reading Interval 1 3 15 3 Minutes

REMARKS:

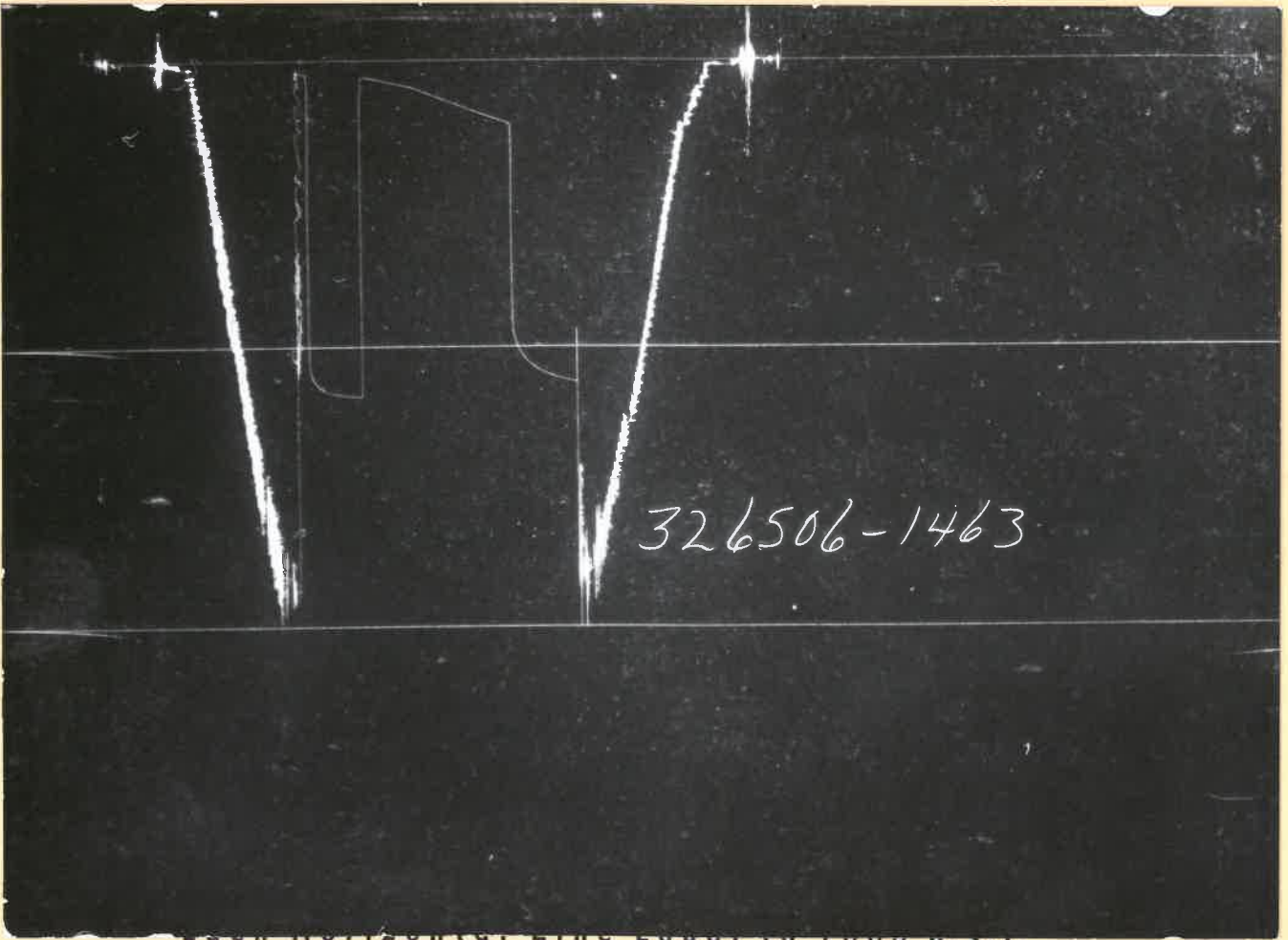
SPECIAL PRESSURE DATA

1497

PRESSURE



TIME



Each horizontal line equal to 1000 p.s.i.

Flow Time	1st Min. 5	2nd Min. 60	Date	3-9-62	Ticket Number	326507	S
Closed In Press. Time	1st Min. 30	2nd Min. 31	Kind of Job	OPEN HOLE	Halliburton District	HAYS	
Pressure Readings	Field	Office Corrected	Tester	BERENS	Witness	MABRY	
Depth Top Gauge	3447	Ft.	No	Blanked Off	Drilling Contractor	LEBEN DRILLING COMPANY	
BT. P.R.D. No.	396		12	Hour Clock	Elevation	2093'	Top Packer
Initial Hydro Mud Pressure			1830		Total Depth	3475'	Bottom Packer
Initial Closed in Pres.	1160		1126		Interval Tested	3445-3475'	Formation Tested
Initial Flow Pres.	20	1	16		Casing or Hole Size	7 7/8"	Casing Perfs. } Top
Final Flow Pres.	20	1	13		Surface Choke	1/4"	Bottom Choke
Final Closed in Pres.	990		983		Size & Kind Drill Pipe	120' FH 4 1/2" APIFH	Drill Collars Above Tester
Final Hydro Mud Pressure			1830		Mud Weight	10.1	Mud Viscosity
Depth Cen. Gauge		Ft.		Blanked Off	Temperature	98	Anchor Size & Length
BT. P.R.D. No.				Hour Clock	Depths Mea. From	KB	Depth of Tester Valve
Initial Hydro Mud Pres.					Cushion	None	Depth Back Pres. Valve
Initial Closed in Pres.					Recovered	28	Feet of Mud
Initial Flow Pres.		1			Recovered		Feet of
Final Flow Pres.		1			Recovered		Feet of
Final Closed in Pres.		2			Recovered		Feet of
Final Hydro Mud Pres.					Oil A.P.I. Gravity		Water Spec. Gravity
Depth Bot. Gauge	3468	Ft.	Yes	Blanked Off	Gas Gravity		Surface Pressure
BT. P.R.D. No.	1163		12	Hour Clock	Tool Opened	11:00	Tool Closed
Initial Hydro Mud Pres.			1852		Remarks	Opened with a weak blow, for 5 min. 1st flow. Closed for 30 min. ICIP.	
Initial Closed in Pres.			1142			Reopened for 60 min. 2nd flow. Closed for 31 min. FCIP.	
Initial Flow Pres.		1	33				
Final Flow Pres.		2	42				
Final Closed in Pres.		1	31				
Final Hydro Mud Pres.		2	39				
Final Closed in Pres.			1000				
Final Hydro Mud Pres.			1852				

Legal Location Sec. - Twp. - Rng. 22-10-16

Lease Name CONGER

Well No. B-1

Test No. 4

Field Area

County ROOKS

Lease Owner/Company Name CITIES SERVICE PETROLEUM COMPANY

State KANSAS

Owner's District RUSSSELL 44-700-16m

FORMATION TEST DATA
SPECIAL PRESSURE DATA

5

Gauge No. 396		Depth 3447'		Clock 12 hour		Ticket No. 326507			
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		13	.000	21	.000	20
P ₁	.040	13	.0197		61	.426	20	.0205	37
P ₂			.0394		305			.0410	88
P ₃			.0591		584			.0615	220
P ₄			.0788		767			.0820	420
P ₅			.0985		897			.1025	590
P ₆			.1182		981			.1230	724
P ₇			.1379		1033			.1435	819
P ₈			.1576		1073			.1640	889
P ₉			.1773		1102			.1845	942
P ₁₀			.1970		1126			.2050	983

Gauge No. 1463		Depth 3468'		Clock 12 hour				
Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.			
P ₀	.000	33	.000	31	.000	42	.000	39
P ₁	.034	31	.0205	70	.426	39	.0206	60
P ₂			.0410	341			.0412	121
P ₃			.0615	610			.0618	306
P ₄			.0820	783			.0824	502
P ₅			.1025	898			.1030	647
P ₆			.1230	983			.1236	764
P ₇			.1435	1047			.1442	850
P ₈			.1640	1084			.1648	912
P ₉			.1845	1119			.1854	963
P ₁₀			.2050	1142			.2060	1000

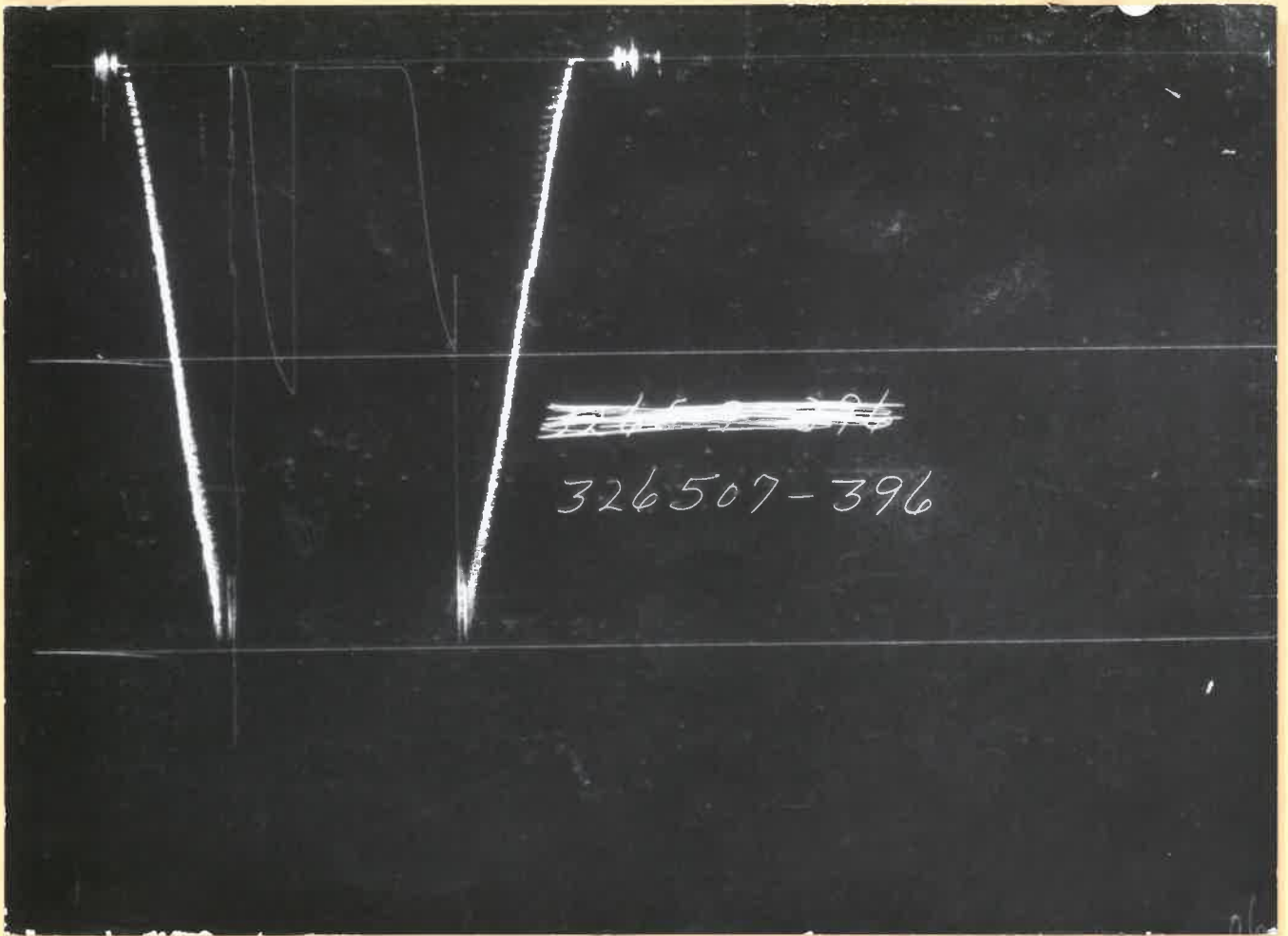
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REMARKS:

SPECIAL PRESSURE DATA

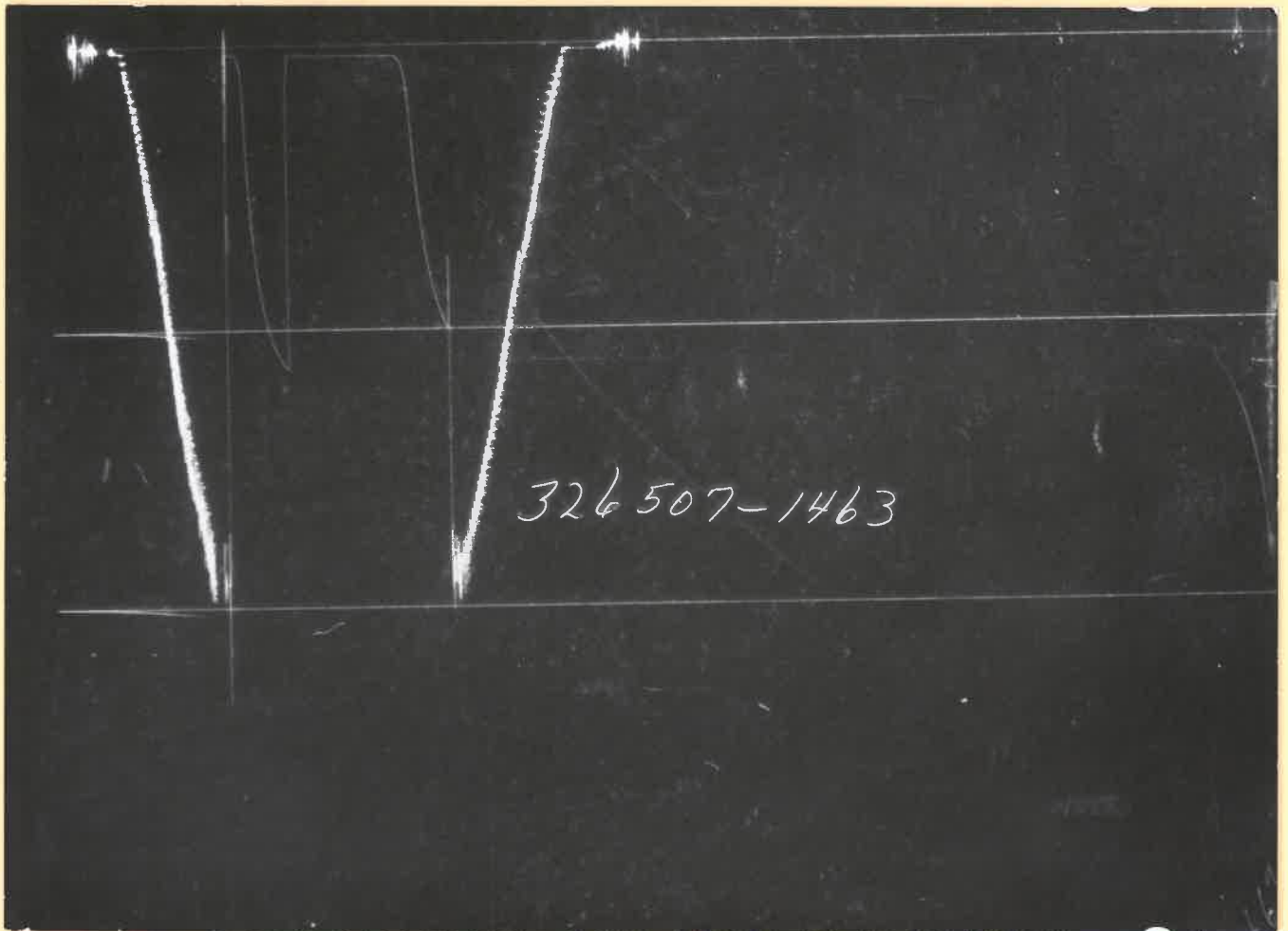
149/

PRESSURE



~~5745-796~~
326507-396

TIME



326507-1463

Flow Time	1st 5	Min.	2nd 60	Min.	Date	3-10-62	Ticket Number	326508	S
Closed In Press. Time	1st 30	Min.	2nd 30	Min.	Kind of Job	OPEN HOLE	Halliburton District	HAYS	
Pressure Readings	Field		Office Corrected		Tester	BERENS	Witness	MABRY	
Depth Top Gauge	3606	Ft.	No	Blanked Off	Drilling Contractor	LEBEN DRILLING COMPANY			
BT. P.R.D. No.	396		12	Hour Clock	Elevation	2093'	Top Packer		
Initial Hydro Mud Pressure			1875		Total Depth	3630'	Bottom Packer	3600'	
Initial Closed in Pres.	1005		1007		Interval Tested	3600-3630'	Formation Tested	Cong.	
Initial Flow Pres.	35 90		1 46* 2 90		Casing or Hole Size	7 7/8"	Casing Perfs.	Top Bot.	
Final Flow Pres.			1 75 2 456		Surface Choke	1/4"	Bottom Choke	5/8"	
Final Closed in Pres.	870		865		Size & Kind Drill Pipe	4 1/2" FH API	Drill Collars Above Tester	775' Flex wt.	I.D. - LENGTH
Final Hydro Mud Pressure	1940		1861		Mud Weight	10	Mud Viscosity	42	
Depth Cen. Gauge		Ft.		Blanked Off	Temperature	99	Anchor Size & Length	ID 3.75" OD 5" X	30'
BT. P.R.D. No.				Hour Clock	Depths Mea. From	KB	Depth of Tester Valve	3597'	Ft.
Initial Hydro Mud Pres.					TYPE AMOUNT		Depth Back Pres. Valve	3594'	Ft.
Initial Closed in Pres.					Cushion	None			
Initial Flow Pres.			1		Recovered	15'	Feet of	Slightly oil cut mud	Mea. From Tester Valve
Final Flow Pres.			2		Recovered	120	Feet of	Oil cut mud	
Initial Flow Pres.			1		Recovered	180'	Feet of	Heavy oil cut mud	
Final Flow Pres.			2		Recovered	300'	Feet of	Slightly mud cut oil	
Initial Flow Pres.			1		Recovered	300'	Feet of	Slightly muddy oil & gas cut mud.	
Final Flow Pres.			2		Recovered	60'	Feet of	lightly oil cut muddy water.	
Final Hydro Mud Pres.					Oil A.P.I. Gravity	60' 27	Water Spec. Gravity	1.071	
Depth Bot. Gauge	3624	Ft.	Yes	Blanked Off	Gas Gravity		Surface Pressure		psi
BT. P.R.D. No.	1163		12	Hour Clock	Tool Opened	6:55	A.M. P.M.	Tool Closed	8:30
Initial Hydro Mud Pres.			1899		Remarks	Opened for 5 min. 1st flow. Closed			
Initial Closed in Pres.			1023			for 30 min. ICIP. Reopened for 60 min. 2nd			
Initial Flow Pres.			1 85 2 113			flow. Closed for 30 min. FCIP.			
Final Flow Pres.			1 113* 2 470			*Questionable			
Final Closed in Pres.			880						
Final Hydro Mud Pres.			1885						

Legal Location Sec. - Twp. - Rng. Lease Name 22-10-16 Well No. B-1 Test No. 5 Field Area NATOMA County ROOKS State KANSAS
 CONGER Lease Name B-1 Well No. 5 Test No. 5 CITIES SERVICE PETROLEUM CO. Lease Owner/Company Name RUSSELL Owner's District 22-10-16 W

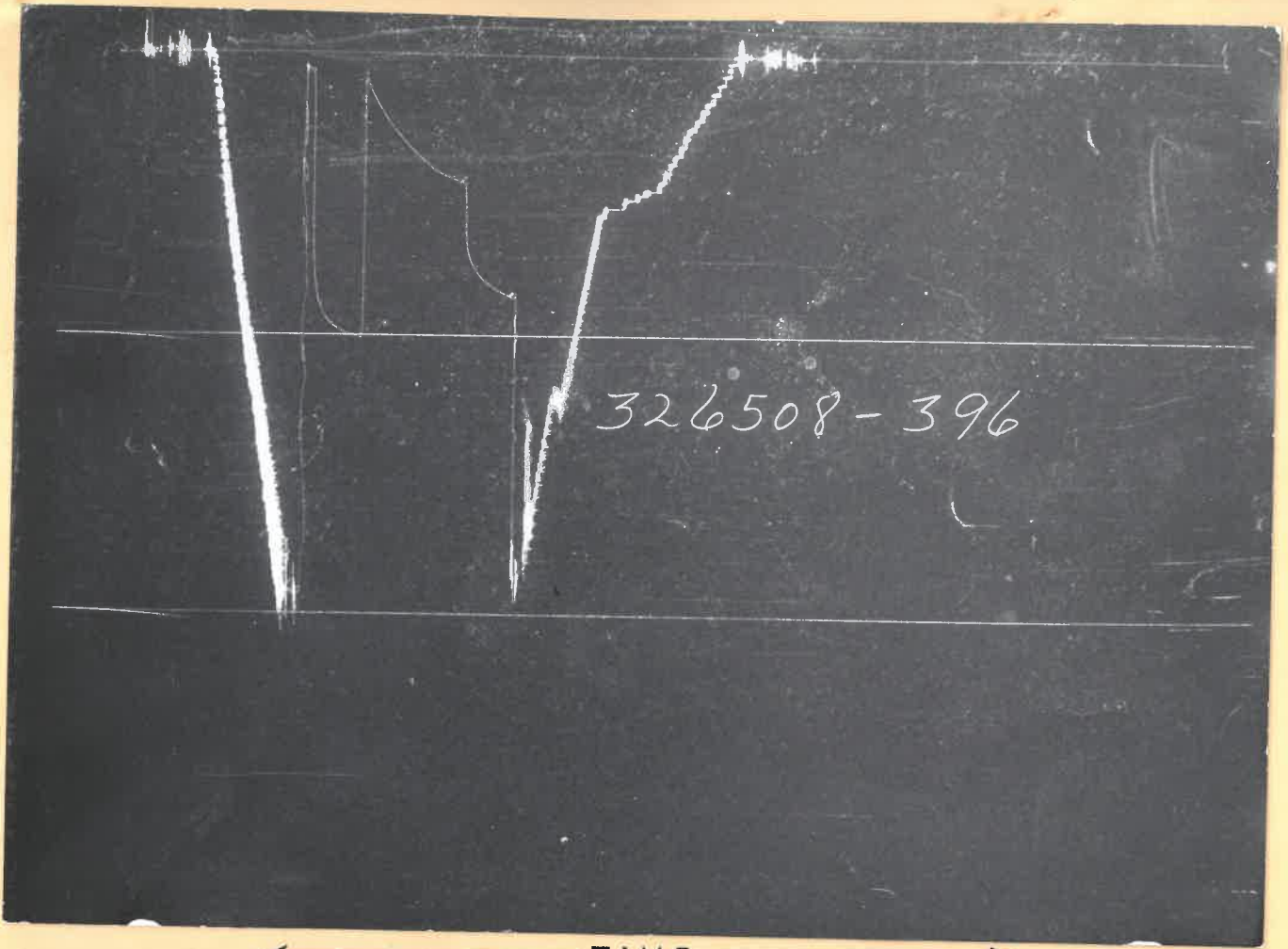
FORMATION TEST DATA
 SPECIAL PRESSURE DATA

Gauge No. 396		Depth 3606'		Clock 12 hour		Ticket No. 326508			
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	46*	.000	75	.000	90	.000		456
P ₁	.0062	52	.0205	852	.1035	246	.0207		721
P ₂	.0124	57	.0410	913	.2070	348	.0414		757
P ₃	.0186	61	.0615	942	.3105	420	.0621		782
P ₄	.0248	67	.0820	961	.4140	456	.0828		801
P ₅	.0310	75	.1025	974			.1035		817
P ₆			.1230	983			.1242		830
P ₇			.1435	992			.1449		841
P ₈			.1640	997			.1656		849
P ₉			.1845	1003			.1863		858
P ₁₀			.2050	1007			.2070		865

Gauge No. 1463		Depth 3624'		Clock 12 hour						
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	85	.000	113*	.000	113	.000		470	
P ₁	.0062	83	.021	868	.1043	264	.0211		731	
P ₂	.0124	83	.042	924	.2086	364	.0422		771	
P ₃	.0186	86	.063	955	.3129	435	.0633		795	
P ₄	.0248	91	.084	974	.4170	470	.0844		815	
P ₅	.0310	113*	.105	987			.1055		831	
P ₆			.126	999			.1266		843	
P ₇			.147	1006			.1477		855	
P ₈			.168	1013			.1688		864	
P ₉			.189	1018			.1899		873	
P ₁₀			.210	1023			.2110		880	
Reading Interval 1		3			15		3			Minutes
REMARKS: *Questionable										

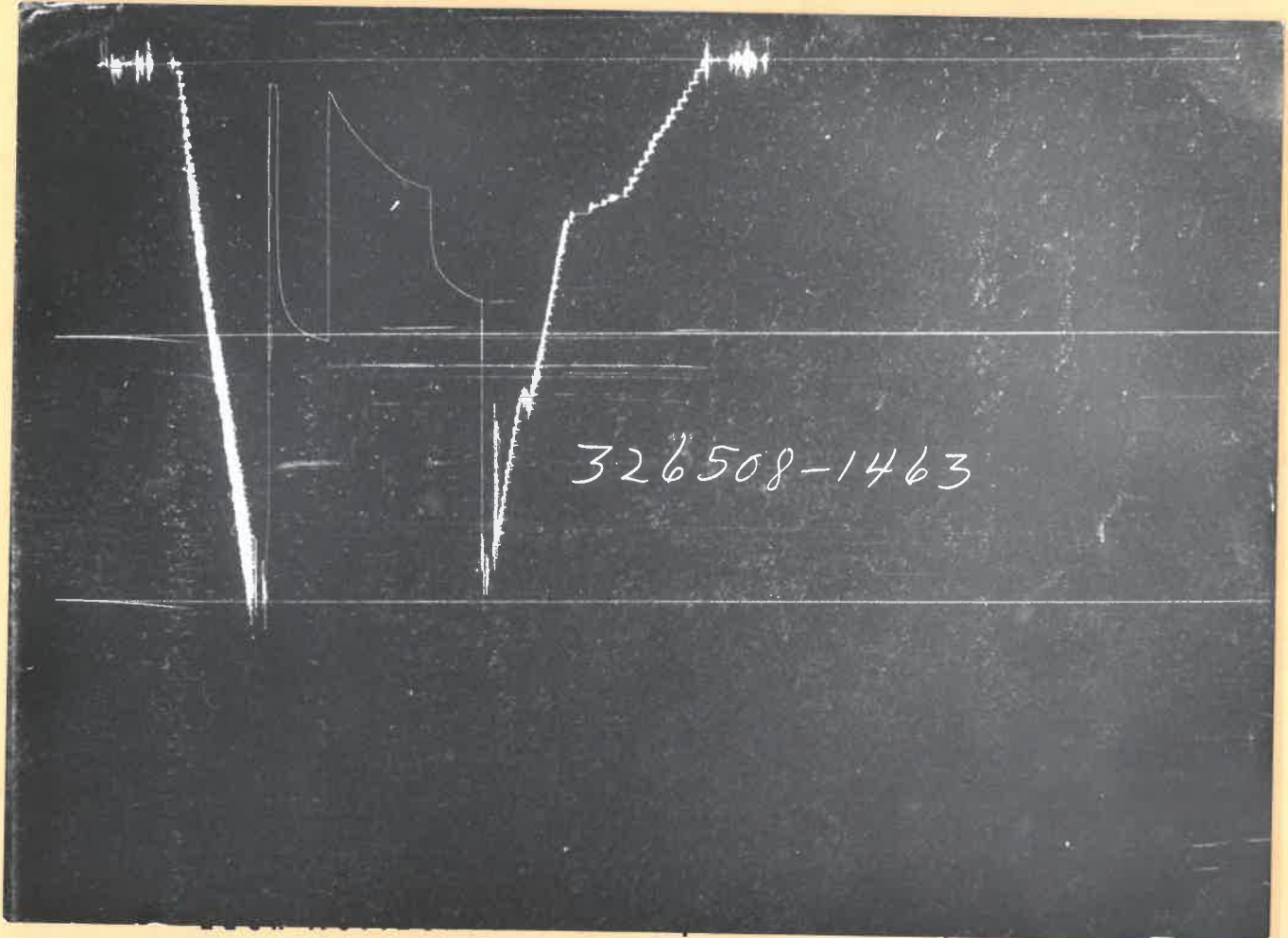
SPECIAL PRESSURE DATA

105-16W



PRESSURE

TIME



Flow Time	1st 5 Min.	2nd 60 Min.	Date	3-10-62	Ticket Number	326509 - S
Closed In Press. Time	1st 30 Min.	2nd 30 Min.	Kind of Job	OPEN HOLE	Halliburton District	HAYS, KANSAS
Pressure Readings	Field	Office Corrected	Tester	BERENS	Witness	MABRY
Depth Top Gauge	3622' Ft.	NO Blanked Off	Drilling Contractor	LEBEN DRILLING COMPANY	Top Packer	-
BT. P.R.D. No.	396	12 Hour Clock	Elevation	2093'	Bottom Packer	3630'
Initial Hydro Mud Pressure	-	1936	Total Depth	3645'	Formation Tested	CONGLOMERATE
Initial Closed in Pres.	590	590	Interval Tested	3630' - 3645'	Casing Perfs. } Top - Bot. -	
Initial Flow Pres.	5	1 11 2 21	Casing or Hole Size	7 7/8"	Bottom Choke	5/8"
Final Flow Pres.	20	1 11 2 20	Surface Choke	1 1/4"	Drill Collars Above Tester	-
Final Closed in Pres.	205	219	Size & Kind Drill Pipe	4 1/2" API F.H.	Mud Viscosity	43
Final Hydro Mud Pressure	-	1919	Mud Weight	10.1	Anchor Size ID & Length	3.75" X 5" X 15'
Depth Cen. Gauge	Ft.	Blanked Off	Temperature	99 °F Actual		
BT. P.R.D. No.		Hour Clock	Depths Mea. From	KELLY BUSHING	Depth of Tester Valve	3619' Ft.
Initial Hydro Mud Pres.			Cushion	NONE	Depth Back Pres. Valve	3616' Ft.
Initial Closed in Pres.			Recovered	30' Feet of mud		
Initial Flow Pres.		1	Recovered	Feet of		
Final Flow Pres.		1	Recovered	Feet of		
Final Closed in Pres.		2	Recovered	Feet of		
Final Hydro Mud Pres.			Oil A.P.I. Gravity	-	Water Spec. Gravity	-
Depth Bot. Gauge	3639' Ft.	YES Blanked Off	Gas Gravity	-	Surface Pressure	0# psi
BT. P.R.D. No.	1463	12 Hour Clock	Tool Opened	9:45 A.M.	Tool Closed	11:20 P.M.
Initial Hydro Mud Pres.			Remarks	Tool opened for a 5 minute first flow. Ro-		
Initial Closed in Pres.	CLOCK STOPPED.			tated tool for a 30 minute initial closed in press-		
Initial Flow Pres.	NO READINGS ARE			ure. Tool re-opened with a weak blow, which contin-		
Final Flow Pres.	AVAILABLE.			ued for 5 minutes. Took a 30 minute final closed		
Final Closed in Pres.				in pressure.		
Final Hydro Mud Pres.						

Legal Location Sec. - Twp. - Rng. 22-10 - 16
 Lease Name CONGER
 Well No. B-1
 Test No. 6
 Field Area NATOMA
 County ROOKS
 State KANSAS
 Lease Owner/Company Name UTILITY SERVICE FIRM/UTILITY COMPANY
 Owner's District

FORMATION TEST DATA
 SPECIAL PRESSURE DATA

5-C

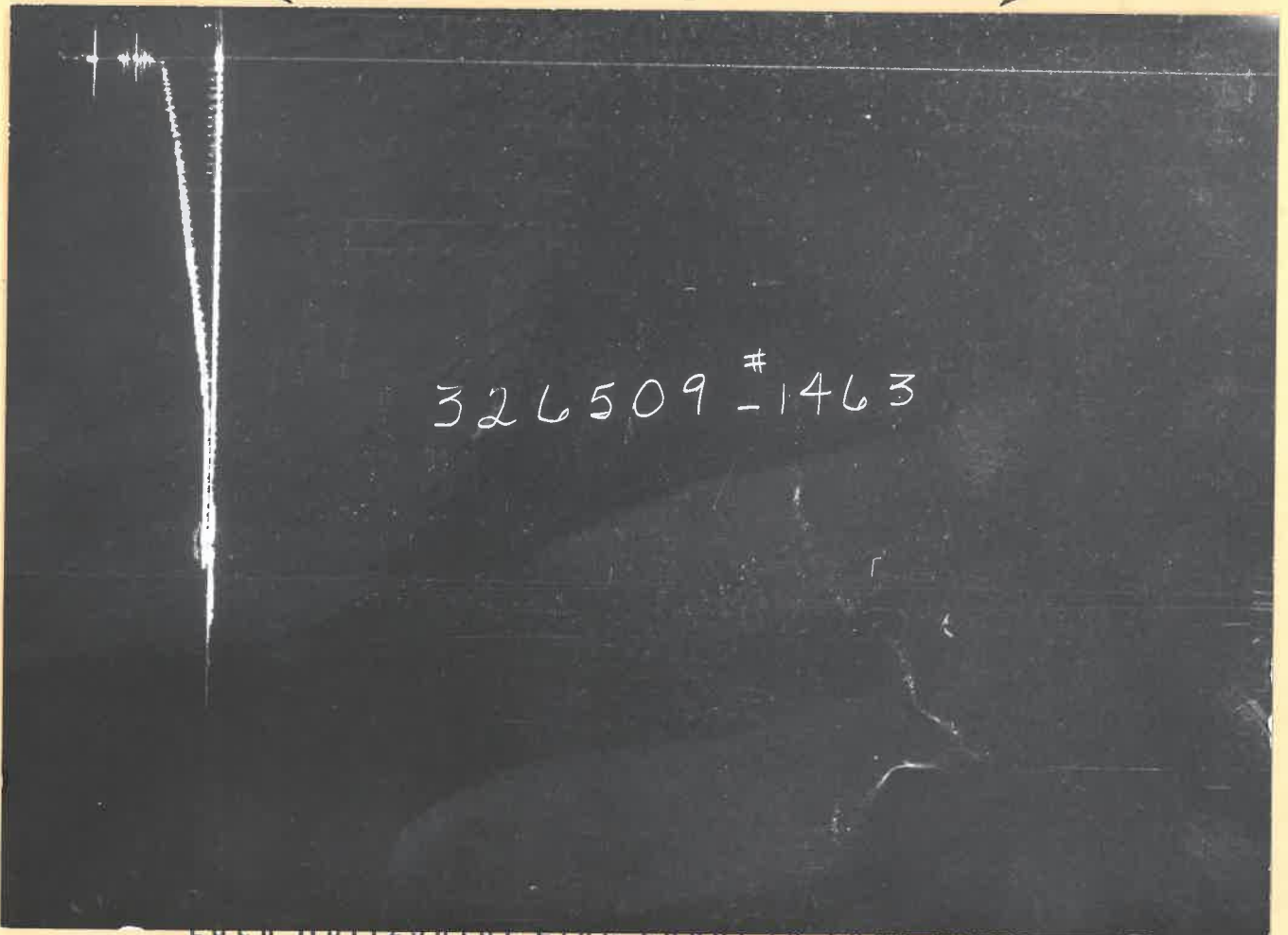
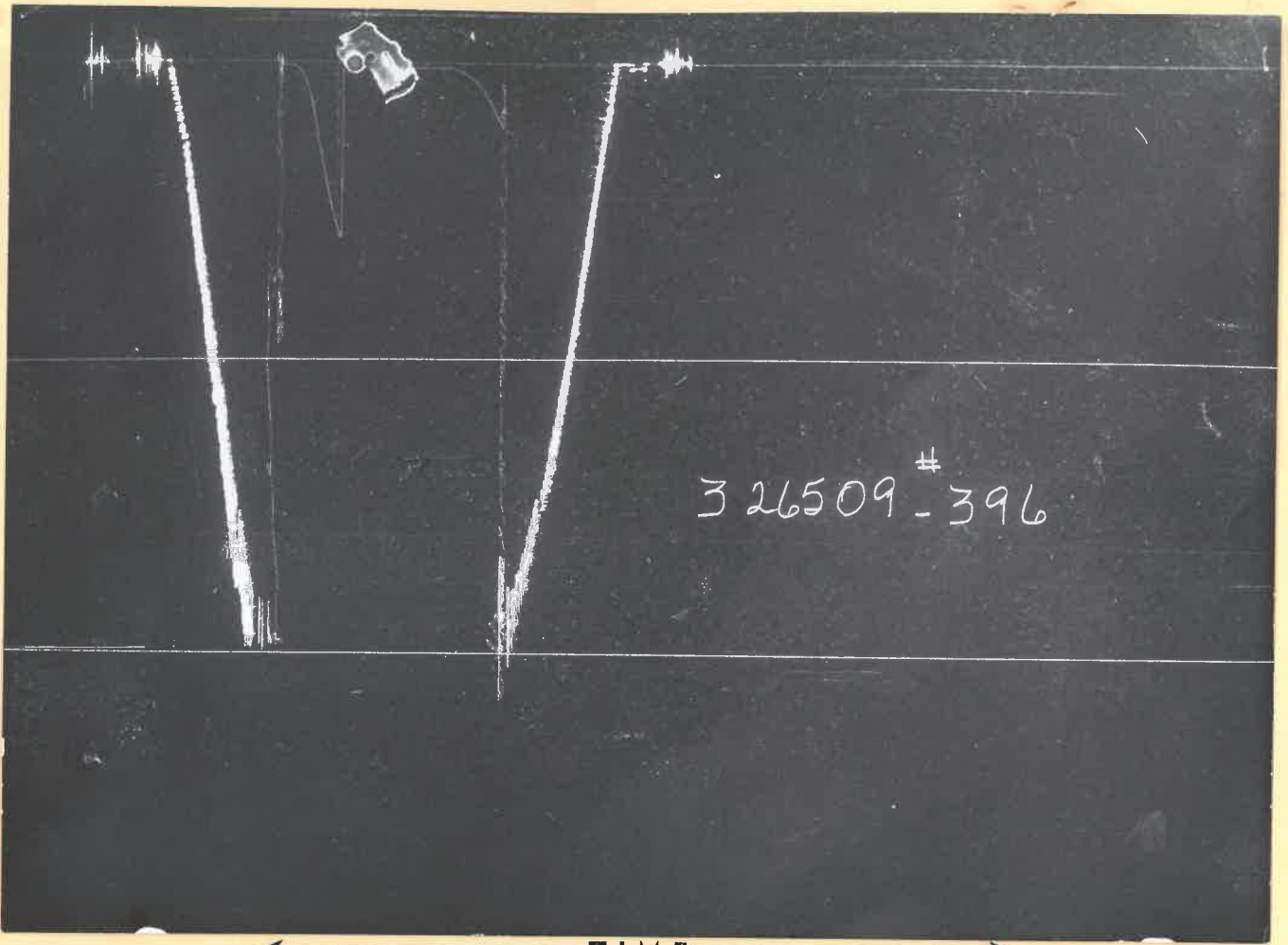
Gauge No. 396		Depth 3622'			Clock 12 hour		Ticket No. 326509			
First Flow Period		Initial Closed In Pressure			Second Flow Period		Final Closed In Pressure			
Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t + \theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t + \theta}{\theta}$	PSIG Temp. Corr.	
P ₀	.000	11	.000		11		.000	21	.000	20
P ₁	.036	11	.0205		17		.1078	18	.0202	25
P ₂			.0410		30		.2156	20	.0404	33
P ₃			.0615		61		.3234	20	.0606	44
P ₄			.0820		118		.431	20	.0808	55
P ₅			.1025		203				.1010	71
P ₆			.1230		297				.1212	93
P ₇			.1435		384				.1414	119
P ₈			.1640		469				.1616	152
P ₉			.1845		537				.1818	186
P ₁₀			.205		590				.202	219

Gauge No. 1463		Depth 3639'			Clock 12 hour				
P ₀									
P ₁			CLOCK STOPPED						
P ₂									
P ₃									
P ₄									
P ₅									
P ₆									
P ₇									
P ₈									
P ₉									
P ₁₀									
Reading Interval		3			15		3 Minutes		

REMARKS:

SPECIAL PRESSURE DATA

101
M 91



Each horizontal line equals 1000 psi.