

Flow Time	1st 6 Min.	2nd 30 Min.	Date	4-1-62	Ticket Number	326516 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	A. A. BERENS	Witness	T. MABRY
Depth Top Gauge	2982 Ft.	No Blanked Off	Drilling Contractor	PEEL BROS. INC.		
BT. P.R.D. No.	396	12 Hour Clock	Elevation	2093' DF	Top Packer	
Initial Hydro Mud Pressure		1607	Total Depth	3028	Bottom Packer	2978'
Initial Closed in Pres.	830	908	Interval Tested	3028-2978'	Formation Tested	Topeka
Initial Flow Pres.	0	1 18 2 19	Casing or Hole Size	7 7/8"	Casing Perfs. } Top Bot.	
Final Flow Pres.	0 25	1 11 2 17	Surface Choke	1/4"	Bottom Choke	5/8"
Final Closed in Pres.	515	504	Size & Kind Drill Pipe	4 1/2" ACME	Drill Collars Above Tester	I.D. - LENGTH
Final Hydro Mud Pressure	-	1602	Mud Weight	10.2	Mud Viscosity	39
Depth Cen. Gauge	3023 Ft.	yes Blanked Off	Temperature	97 °F Est. °F Actual	Anchor Size & Length	ID 3.76" OD 5" X 50
BT. P.R.D. No.	1463	12 Hour Clock	Depths Mea. From	KB	Depth of Tester Valve	2972' Ft.
Initial Hydro Mud Pres.		1632	Cushion	TYPE none AMOUNT	Depth Back Pres. Valve	2968' Ft.
Initial Closed in Pres.		938	Recovered	12	Feet of drilling mud, show of	
Initial Flow Pres.		1 49 2 50	Recovered		Feet of oil in top of tool	
Final Flow Pres.		1 43 2 47	Recovered		Feet of	
Final Closed in Pres.		528	Recovered		Feet of	
Initial Hydro Mud Pres.		1610	Oil A.P.I. Gravity		Water Spec. Gravity	
Initial Flow Pres.			Gas Gravity		Surface Pressure	psi
BT. P.R.D. No.		Hour Clock	Tool Opened	2:50 AM	A.M. P.M.	Tool Closed 4:26 AM P.M.
Initial Hydro Pres.			Remarks	Tool opened for a 6 minute first flow. Ro-		
Initial Closed in Pres.				tated tool for a 30 minute initial closed in pressure.		
Initial Flow Pres.		1		Reopened tool for a 30 minute second flow. Took		
Final Flow Pres.		2		a 30 minute final closed in pressure.		
Final Closed in Pres.		1				
Final Hydro Mud Pres.		2				

Legal Location Sec. - Twp. - King. 15-10-16

Well No. U-2

Test No. 1

Field Area Natoma

County Rooks

State Kansas

Lease Name SMITH

Lease Owner/Company Name CITIZEN SERVICE PETROLEUM COMPANY

Owner's District RUSSELL 15-10-16W

FORMATION TEST DATA

SPECIAL PRESSURE DATA

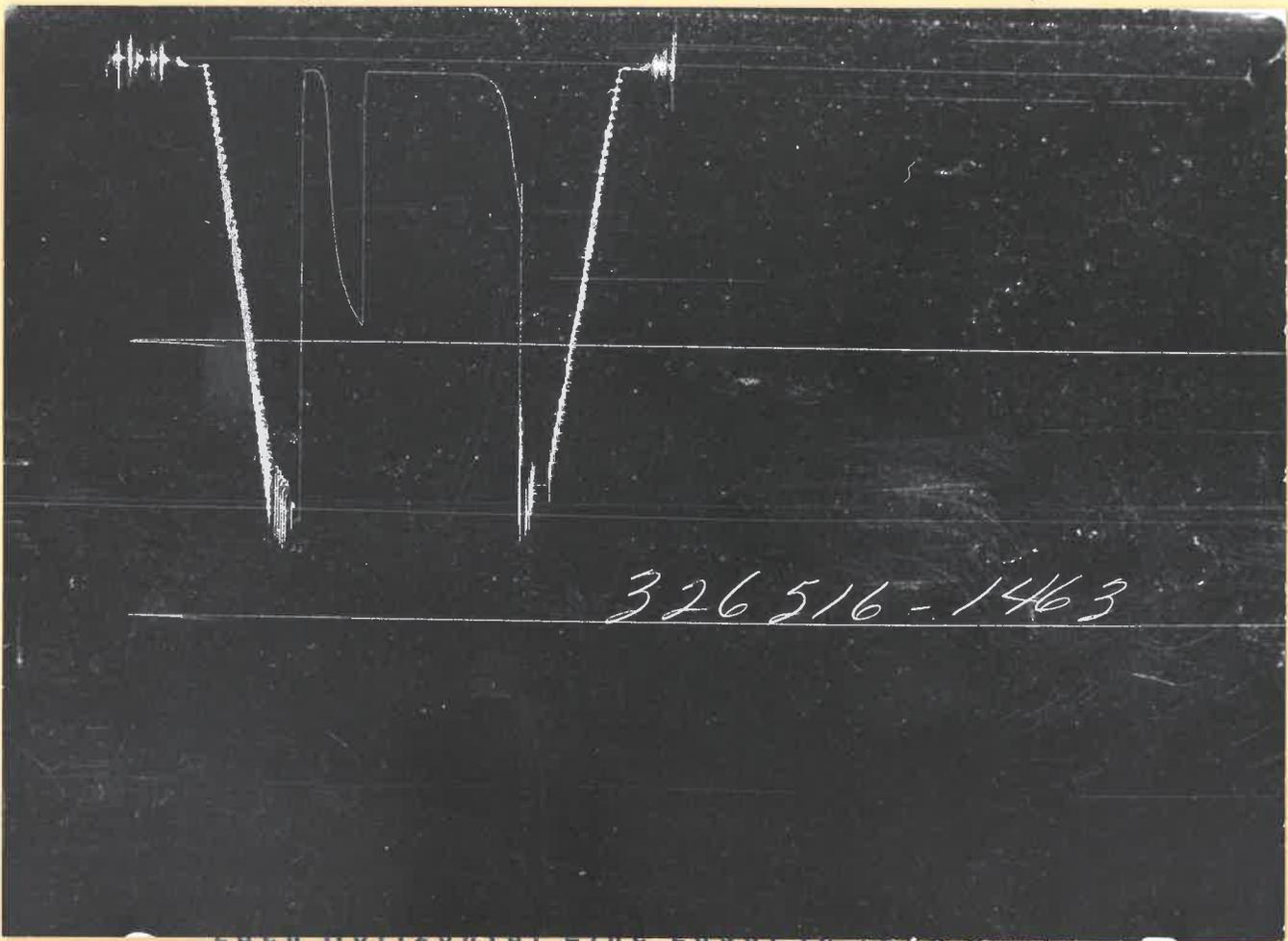
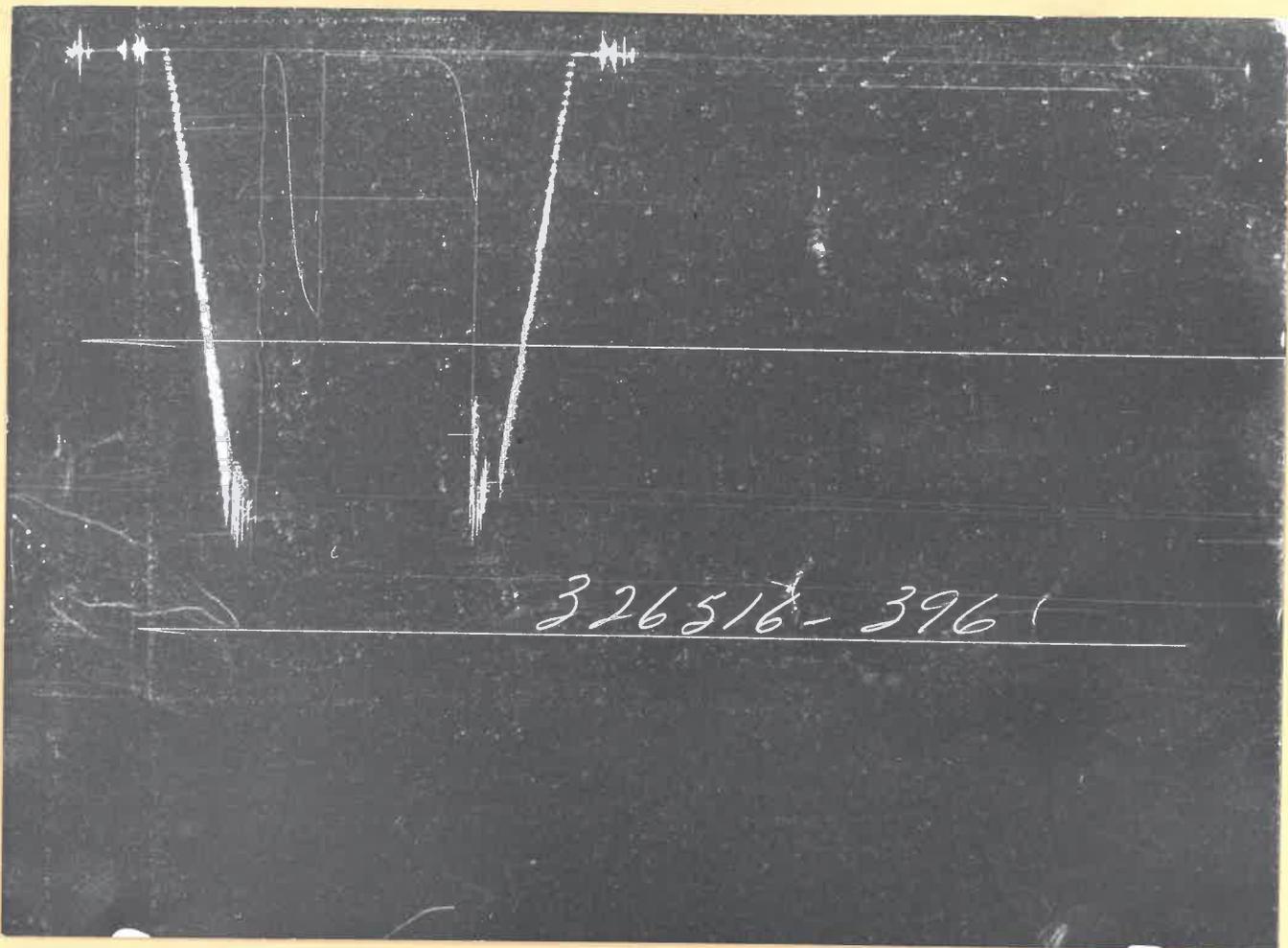
Gauge No. 396		Depth 2982'			Clock 12 hour		Ticket No. 3 26516		
First Flow Period		Initial Closed In Pressure			Second Flow Period		Final Closed In Pressure		
Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t+\theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t+\theta}{\theta}$	PSIG Temp. Corr.
P ₀	.000 18	.000	---	11	.000	19	.000	---	17
P ₁	.033 11	.020		27	.422	17	.020		20
P ₂		.040		71			.040		27
P ₃		.060		233			.060		37
P ₄		.080		494			.080		52
P ₅		.100		671			.100		75
P ₆		.120		764			.120		113
P ₇		.140		822			.140		186
P ₈		.160		863			.160		294
P ₉		.180		894			.180		416
P ₁₀		.200		908			.200		504

Gauge No. 1463		Depth 3023'			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 49	.000	---	43	.000	50	.000	---	47
P ₁	.046 43	.0193		63	.430	47	.0195		49
P ₂		.0386		126			.0390		57
P ₃		.0579		402			.0585		66
P ₄		.0772		600			.0780		80
P ₅		.0965		722			.0975		102
P ₆		.1158		798			.1170		143
P ₇		.1351		848			.1365		218
P ₈		.1544		886			.1560		338
P ₉		.1737		915			.1755		449
P ₁₀		.1930		938			.1950		528
Reading Interval		3					3 Minutes		

REMARKS:

SPECIAL PRESSURE DATA

16W



Flow Time	1st 5	Min.	2nd 90	Min.	Date	4-3-62	Ticket Number	326518 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	3200	Ft.	NO	Blanked Off	Drilling Contractor	Peel Brothers Incorporated		
BT. P.R.D. No.	396		12	Hour Clock	Elevation	2093'	Top Pecker	-
Initial Hydro Mud Pressure	-		1722		Total Depth	3262'	Bottom Pecker	3195'
Initial Closed in Pres.	1080		1096		Interval Tested	3195'-3262'	Formation Tested	Kansas City
Initial Flow Pres.	10		1	12	Casing or Hole Size	7 7/8"	Casing Perfs. {	Top
	28		2	24				Bot.
Final Flow Pres.	10		1	12	Surface Choke	1/4"	Bottom Choke	5/8"
	28		2	32				
Final Closed in Pres.	980		974		Size & Kind Drill Pipe	4 1/2"	Drill Collars Above Tester	-
Final Hydro Mud Pressure	1770		1669		Mud Weight	10.3	Mud Viscosity	40
Depth Cen. Gauge		Ft.		Blanked Off	Temperature	97	Anchor Size & Length	ID 3.76" X 67' OD 5"
BT. P.R.D. No.				Hour Clock	Depths Mes. From	Kelly Bushings	Depth of Tester Valve	3189' Ft.
Initial Hydro Mud Pres.					TYPE AMOUNT		Depth Back Pres. Valve	3185' Ft.
					Cushion -			
Initial Closed in Pres.					Recovered	25	Foot of Watery mud	
Initial Flow Pres.					Recovered	31	Foot of Mud	
Final Flow Pres.					Recovered		Foot of	
Final Closed in Pres.					Recovered		Foot of	
Final Hydro Mud Pres.					Oil A.P.I. Gravity	-	Water Spec. Gravity	-
Depth Bot. Gauge	3257	Ft.	YES	Blanked Off	Gas Gravity	-	Surface Pressure	- psi
BT. P.R.D. No.	1463		12	Hour Clock	Tool Opened	10:15	A.M. Tool Closed	12:20 A.M.
Initial Hydro Mud Pres.			1758		Remarks	Opened tool for 5 minute 1st flow. Closed		
Initial Closed in Pres.			1126			tool for 30 minute initial closed in pressure.		
Initial Flow Pres.							Reopened tool for 90 minute 2nd flow. with very	
Final Flow Pres.							weak blow throughout test. Closed tool for 30	
Final Closed in Pres.			1001			minute final closed in pressure.		
Final Hydro Mud Pres.			1705					

Legal Location Sec. - Twp. - Rng. SE. 15 - 10 - 16
 Well No. U-2
 Test No. 2
 Field Area NATOMA
 County ROOKS
 State KANSAS
 Lessee Name SMITH
 Lessee Owner/Company Name CITIES SERVICE PETROLEUM COMPANY
 Owner's District RUSSELL
 15-10-16m

FORMATION TEST DATA
SPECIAL PRESSURE DATA

5

Gauge No.		396		Depth		3200'		Clock		12 hour		Ticket No.		326518	
First Flow Period		Initial Closed In Pressure				Second Flow Period		Final Closed In Pressure							
Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t+\phi}{\phi}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t+\phi}{\phi}$	PSIG Temp. Corr.						
P ₀	.000	12	.000	12	.000	24	.000		32						
P ₁	.026	12	.0196	666	.633	32	.020		54						
P ₂			.0392	919			.040		108						
P ₃			.0588	991			.060		258						
P ₄			.0784	1025			.080		559						
P ₅			.0980	1048			.100		754						
P ₆			.1176	1064			.120		851						
P ₇			.1372	1076			.140		904						
P ₈			.1568	1084			.160		945						
P ₉			.1764	1091			.180		961						
P ₁₀			.1960	1096			.200		974						

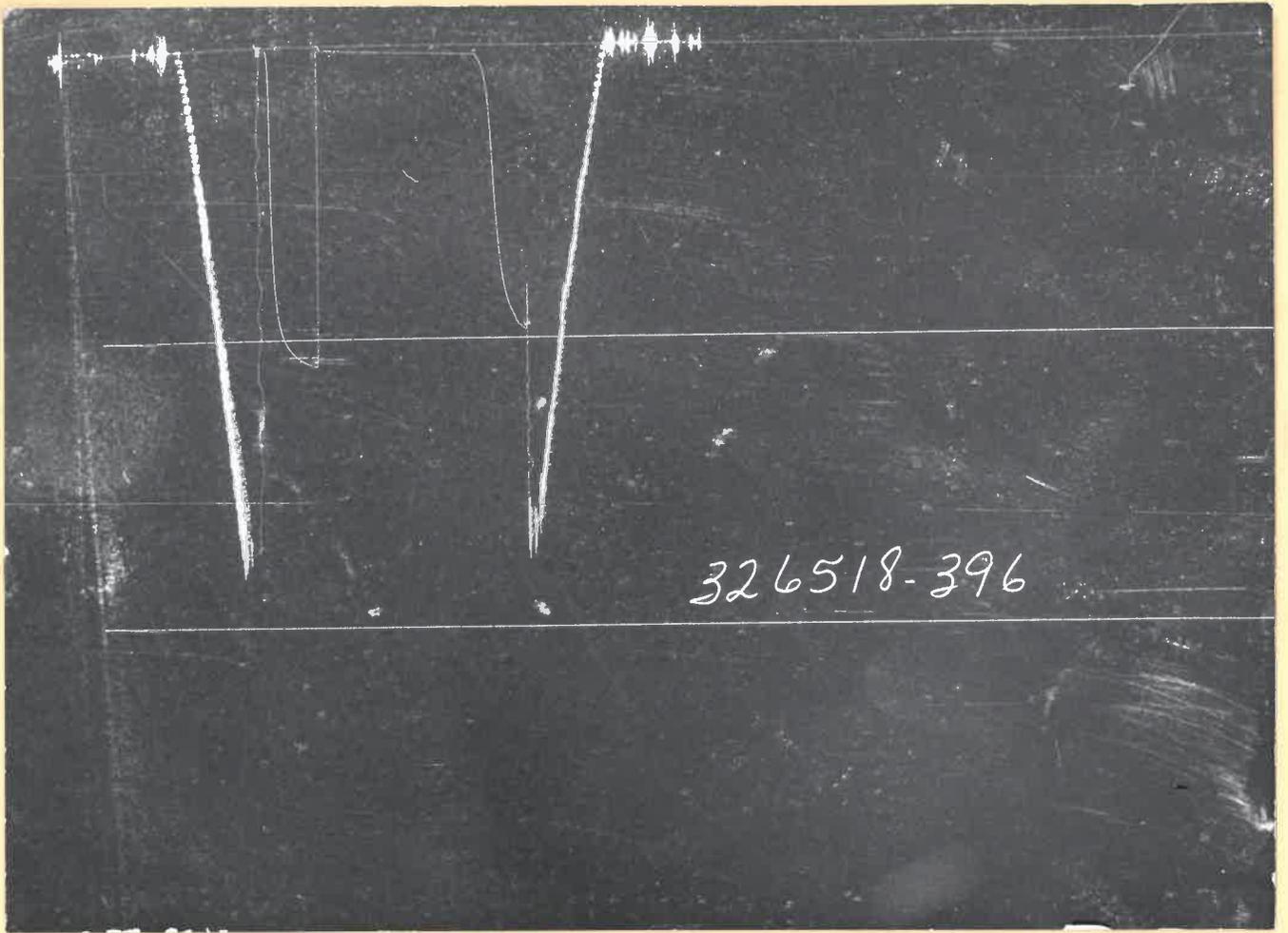
Gauge No.		1463		Depth		3257'		Clock		12 hour	
Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t+\phi}{\phi}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t+\phi}{\phi}$	PSIG Temp. Corr.		
P ₀	.000	45	.000	46	.000	60	.000		66		
P ₁	.032	46	.0205	743	.635	66	.0204		85		
P ₂			.0420	938			.0408		139		
P ₃			.0615	1011			.0612		361		
P ₄			.0820	1050			.0816		625		
P ₅			.1025	1074			.1020		790		
P ₆			.1230	1091			.1224		879		
P ₇			.1435	1104			.1428		929		
P ₈			.1640	1113			.1632		963		
P ₉			.1845	1119			.1836		986		
P ₁₀			.2050	1126			.2040		1001		
Reading Interval		3						3		Minutes	

REMARKS:

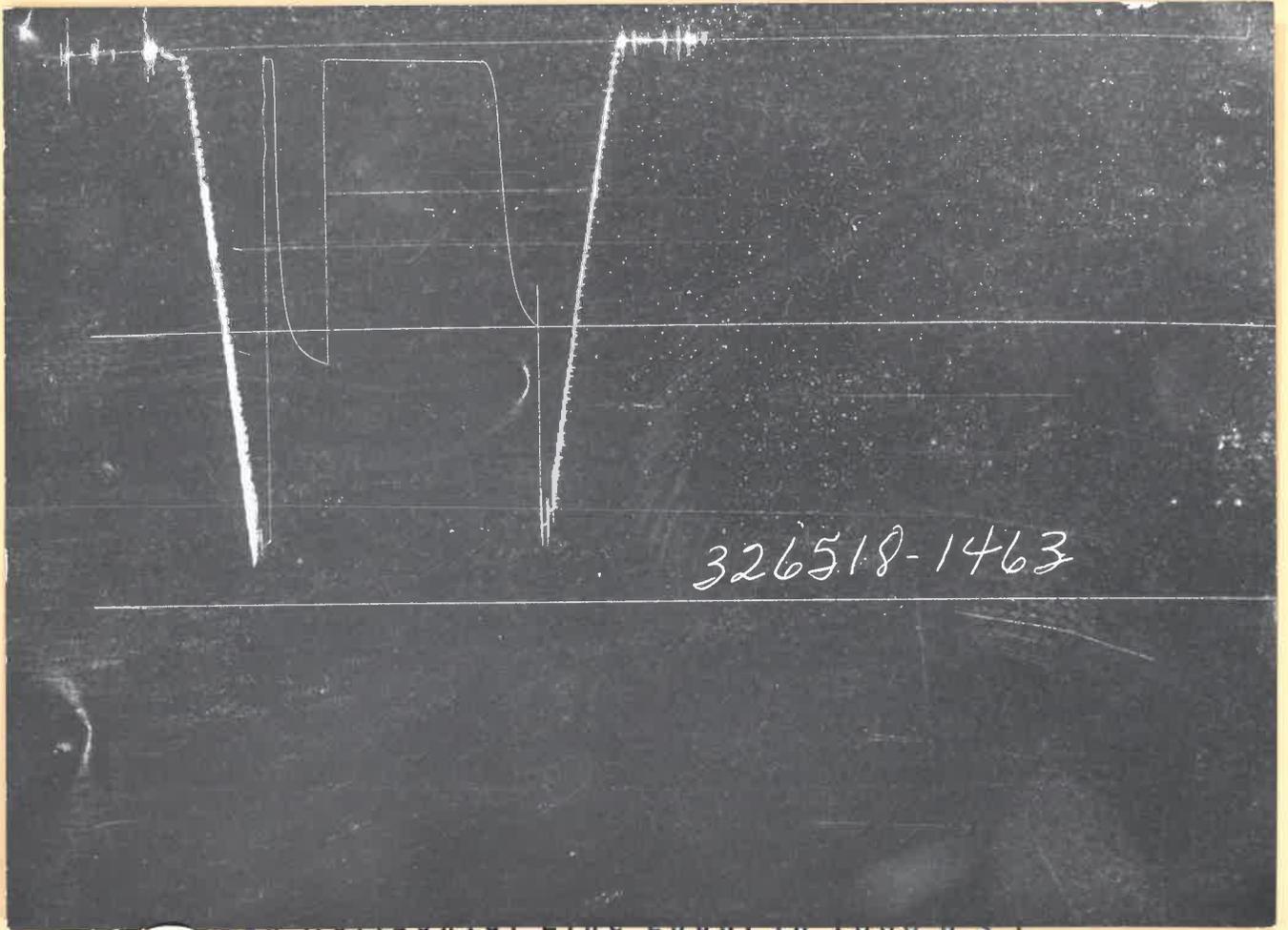
SPECIAL PRESSURE DATA

M9.

↑
PRESSURE
↓



← TIME →



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

Flow Time	1st 5 Min.	2nd 80 Min.	Date	11-1-62	Ticket Number	326519 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	A. A. BERENS	Witness	K. LYNCH
Depth Top Gauge	3365 Ft.	No Blanked Off	Drilling Contractor	PEEL BROS., INC.		
BT. P.R.D. No.	396	12 Hour Clock	Elevation	2093'	Top Packer	
Initial Hydro Mud Pressure	-	1806	Total Depth	3409'	Bottom Packer	3361'
Initial Closed in Pres.	1135	1143	Interval Tested	3361-3409'	Formation Tested	Kansas City
Initial Flow Pres.	10	1 12	Casing or Hole Size	7 7/8"	Casing Perfs.	Top
Final Flow Pres.	15	1 12	Surface Choke	1/4"	Bottom Choke	5/8"
Final Closed in Pres.	995	909	Size & Kind Drill Pipe	4 1/2" ACME	Drill Collars Above Tester	I.D. - LENGTH
Final Hydro Mud Pressure	-	1786	Mud Weight	10.2	Mud Viscosity	45
Depth Cen. Gauge	3403 Ft.	yes Blanked Off	Temperature	99 °F Est. °F Actual	Anchor Size & Length	ID OD X
BT. P.R.D. No.	1163	12 Hour Clock	Depths Mea. From	KB	Depth of Tester Valve	3355' Ft.
Initial Hydro Mud Pres.		1827	Cushion	none	Depth Back Pres. Valve	3351' Ft.
Initial Closed in Pres.		1167	Recovered	33 Feet of	oil cut mud	
Initial Flow Pres.		1 41	Recovered	2 Feet of	free oil	
Final Flow Pres.		1 40	Recovered			
Final Closed in Pres.		932	Recovered			
Final Hydro Mud Pres.		1819	Oil A.P.I. Gravity		Water Spec. Gravity	
Depth Bot. Gauge			Gas Gravity		Surface Pressure	psi
BT. P.R.D. No.			Tool Opened	11:20 AM	A.M. P.M.	Tool Closed 1:45 PM A.M. P.M.
Initial Hydro Mud Pres.			Remarks	Tool opened with weak blow for a 5 minute first flow. Rotated tool for a 30 minute initial closed in pressure. Reopened tool with weak blow for an 80 minute final flow. Took a 30 minute final closed in pressure.		
Initial Closed in Pres.						
Initial Flow Pres.		1 2				
Final Flow Pres.		1 2				
Final Closed in Pres.						
Final Hydro Mud Pres.						

Legal Location Sec. - Twp. - Rng. 15 10 16

Lease Name SMITH

Well No. U-2

Test No. 3

Field Area Natoma

County Rooks

State Kansas

Lease Owner/Company Name CITIES SERVICE PETROLEUM COMPANY

Owner's District RUSSELL

15-10-16W

FORMATION TEST DATA

SPECIAL PRESSURE DATA

Gauge No. 396		Depth 3365			Clock 12 hour		Ticket No. 326519			
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	12	.000		12	.000	22	.000		22
P ₁	.026	12	.0204		125	.618	22	.020		34
P ₂			.0408		694			.040		54
P ₃			.0612		905			.060		90
P ₄			.0816		996			.080		173
P ₅			.1020		1050			.100		371
P ₆			.1224		1083			.120		599
P ₇			.1428		1105			.140		729
P ₈			.1632		1122			.160		812
P ₉			.1836		1134			.180		871
P ₁₀			.2040		1143			.200		909

Gauge No. 1463		Depth 3403			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	41	.000		40	.000	52	.000		52
P ₁	.033	40	.0208		162	.624	52	.0201		65
P ₂			.0416		733			.0402		86
P ₃			.0624		919			.0603		129
P ₄			.0832		1009			.0804		251
P ₅			.1040		1064			.1005		499
P ₆			.1248		1100			.1206		673
P ₇			.1456		1126			.1407		778
P ₈			.1664		1144			.1608		848
P ₉			.1872		1157			.1809		896
P ₁₀			.2080		1167			.2010		932

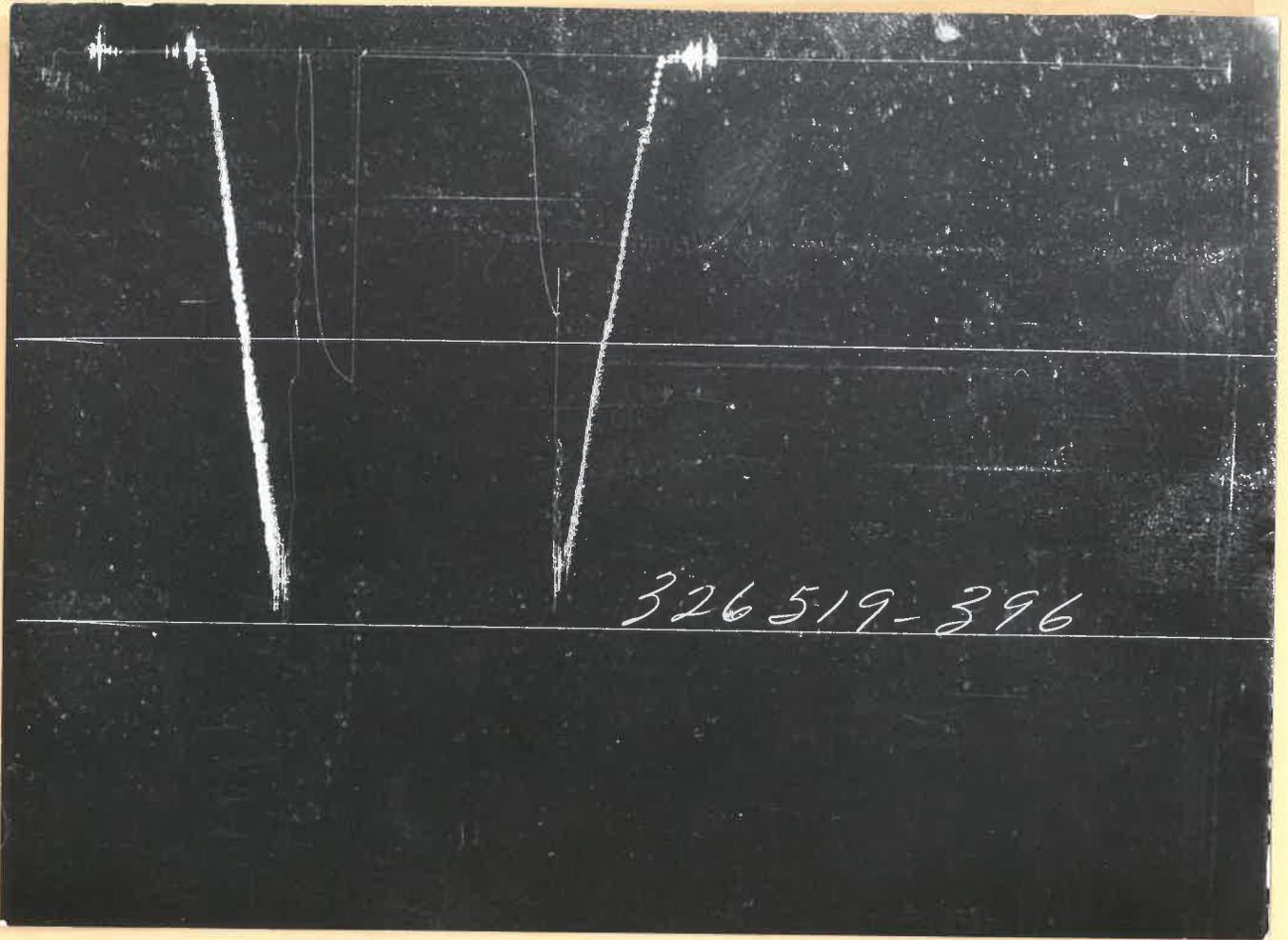
Reading Interval 3 Minutes

REMARKS:

SPECIAL PRESSURE DATA

169

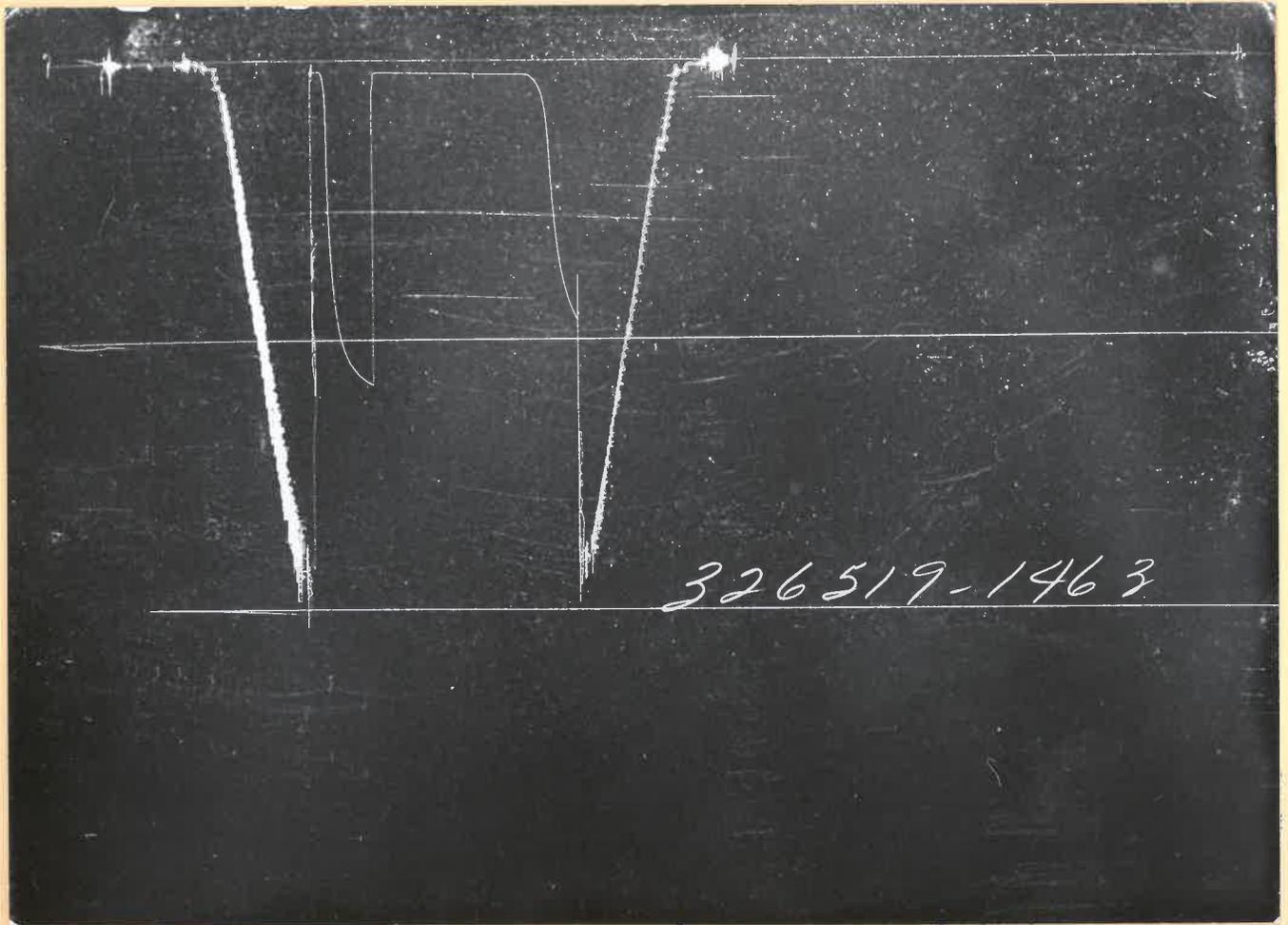
↑
PRESSURE



326519-396

← TIME →

↓
PRESSURE



326519-1463

Flow Time	1st Min. 5	2nd Min. 60	Date	4-5-62	Ticket Number	304375	S
Closed In Press. Time	1st Min. 30	2nd Min. 30	Kind of Job	OPEN HOLE	Halliburton District	HAYS	
Pressure Readings	Field	Office Corrected	Tester	DUB SELLERS	Witness	V. L. LYNCH	
Depth Top Gauge	3419 Ft.	No Blanked Off	Drilling Contractor	PEEL BROS. INC.			
BT. P.R.D. No.	1463	12 Hour Clock	Elevation	2093' DF	Top Packer	3417'	
Initial Hydro Mud Pressure		1847	Total Depth	3465'	Bottom Packer	-	
Initial Closed in Pres.		957	Interval Tested	48'	Formation Tested	Kansas City	
Initial Flow Pres.		1 21 2 32	Casing or Hole Size	7 7/8"	Casing Perfs. } Top Bot.		
Final Flow Pres.		1 22 2 26	Surface Choke	none	Bottom Choke	5/8"	
Final Closed in Pres.		417	Size & Kind Drill Pipe	4 1/2" ACME	Drill Collars Above Tester	none	I.D. - LENGTH
Final Hydro Mud Pressure		1828	Mud Weight	10.3	Mud Viscosity	41	
Depth Cen. Gauge	3461 Ft.	Blanked Off yes	Temperature	84	Anchor Size & Length	ID 3.84 OD 5" X 48	
BT. P.R.D. No.	396	12 Hour Clock	Depths Mea. From	DF	Depth of Tester Valve	3402'	Ft.
Initial Hydro Mud Pres.	1865	1861	Cushion	none	Depth Back Pres. Valve	3407'	Ft.
Initial Closed in Pres.	970	971	Recovered	15	Feet of drilling mud with show of oil		
Initial Flow Pres.	30	1 35 2 44	Recovered		Feet of		
Final Flow Pres.	30	1 37 2 38	Recovered		Feet of		
Final Closed in Pres.	420	436	Recovered		Feet of		
Final Hydro Mud Pres.	1845	1835	Oil A.P.I. Gravity		Water Spec. Gravity		
Depth Bot. Gauge		Blanked Off	Gas Gravity		Surface Pressure		psi
BT. P.R.D. No.		Hour Clock	Tool Opened	6:20 AM	A.M. P.M.	Tool Closed	7:50 AM A.M. P.M.
Initial Hydro Mud Pres.			Remarks	Tool opened for a 5 minute first flow. Blow			
Initial Closed in Pres.				dead in 4 minutes. Rotated tool for a 30 minute			
Initial Flow Pres.		1 2		initial closed in pressure. Reopened tool for a			
Final Flow Pres.		1 2		60 minute final flow. Took a 30 minute final close			
Final Closed in Pres.				in pressure.			
Final Hydro Mud Pres.							

SMITH U
 Lease Name
 155W JONE 16SE
 Well No. 2
 Test No. 4
 Field Area Natoma
 County ROOKS
 State KANSAS
 Legal Location Sec. - Twp. - Rng.
 Cities Service Petroleum Company
 Lease Owner/Company Name
 Plainville
 Owner's District
 15-105-16

FORMATION TEST DATA

SPECIAL PRESSURE DATA

Gauge No. 1463		Depth 3419			Clock 12 hour		Ticket No. 304375			
First Flow Period		Initial Closed In Pressure			Second Flow Period		Final Closed in Pressure			
	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t+\theta}{e}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t+\theta}{e}$	PSIG Temp. Corr.
P ₀	.000	21	.000		22	.000	32	.000		26
P ₁	.030	22	.0198		66	.416	26	.0171		31
P ₂			.0396		227			.0342		39
P ₃			.0594		364			.0513		52
P ₄			.0792		508			.0684		69
P ₅			.0990		628			.0855		95
P ₆			.1188		716			.1026		136
P ₇			.1386		791			.1197		196
P ₈			.1584		857			.1368		273
P ₉			.1782		909			.1539		347
P ₁₀			.1980		957			.1710		417

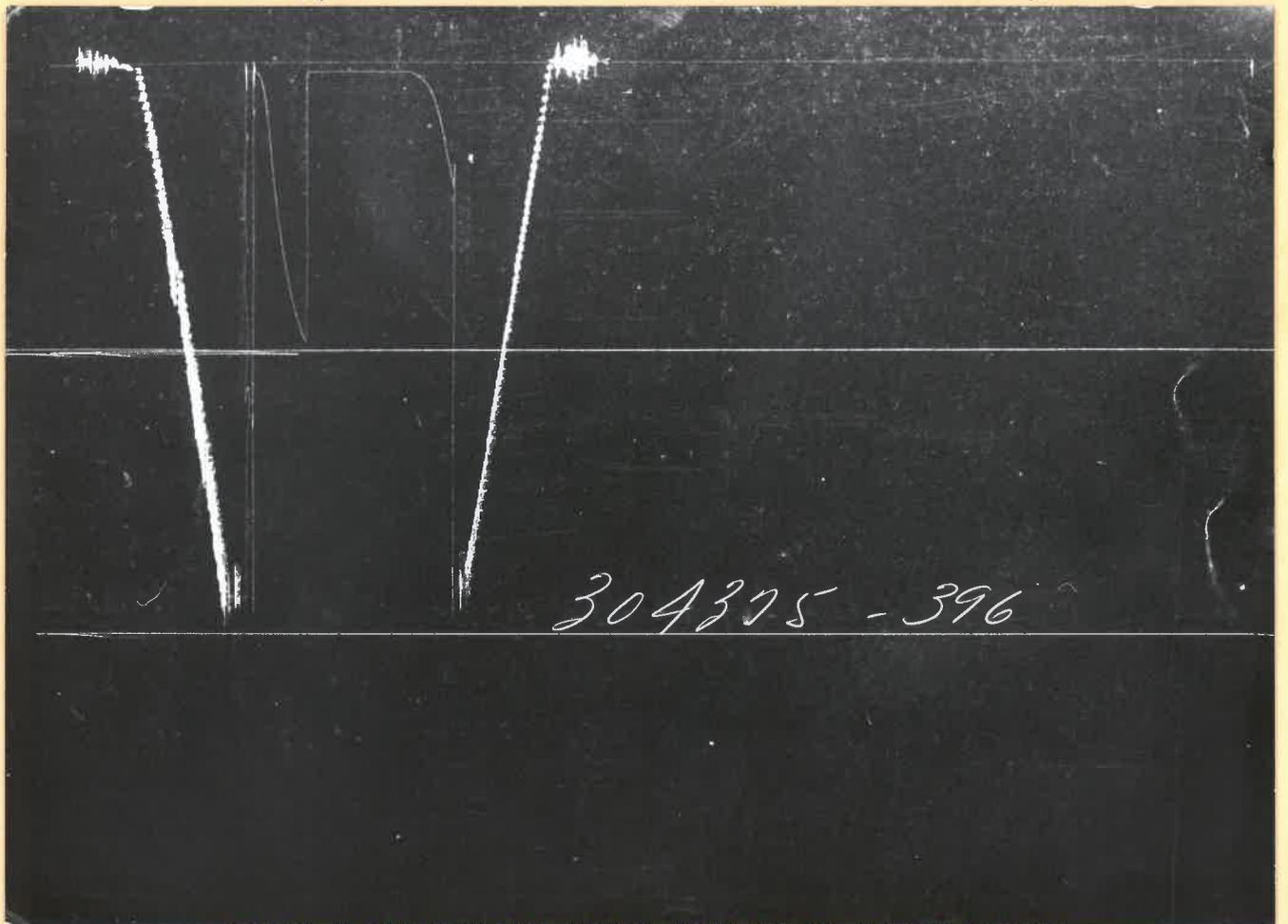
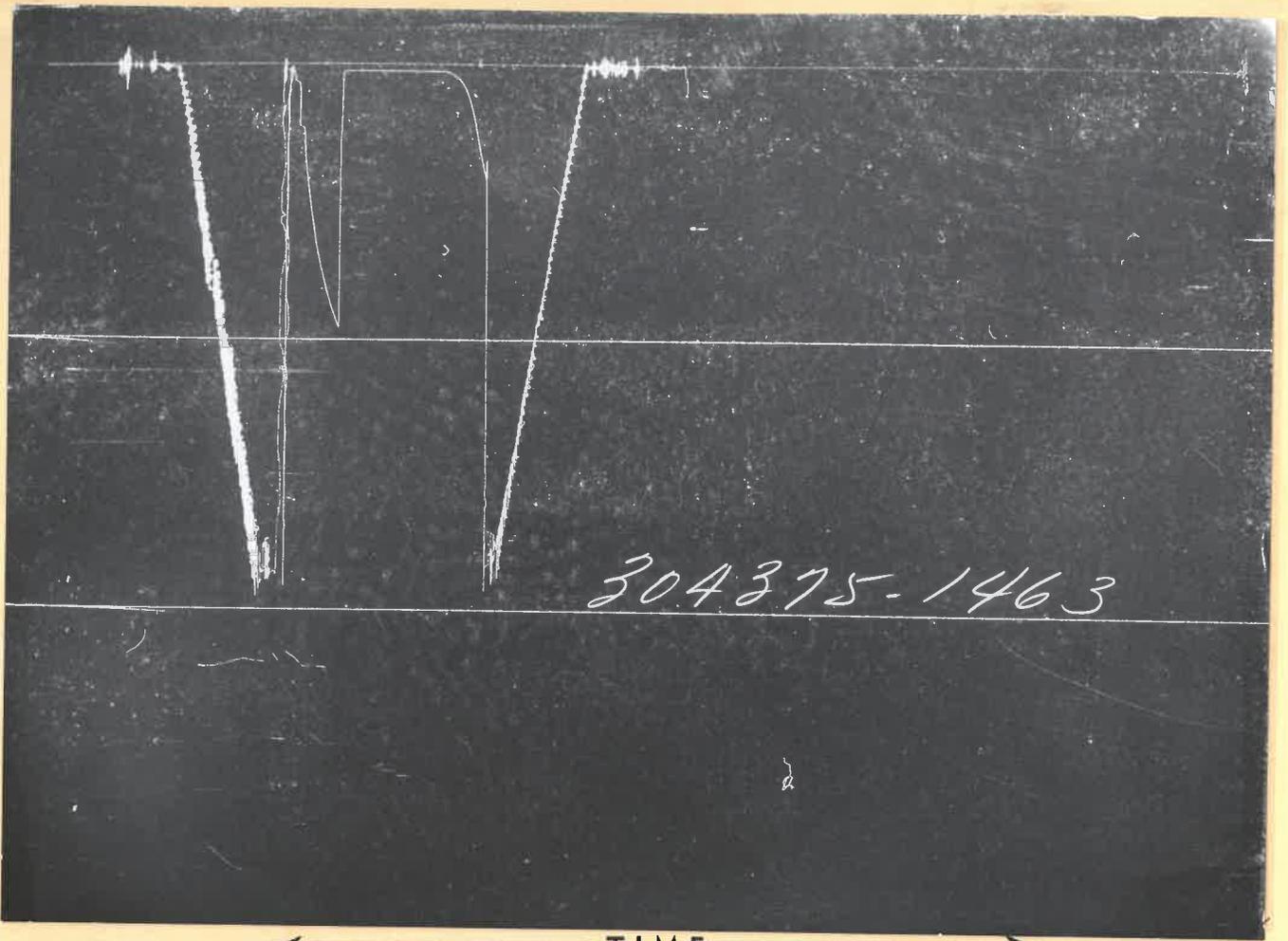
Gauge No. 396		Depth 3461			Clock 12 hour					
	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t+\theta}{e}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t+\theta}{e}$	PSIG Temp. Corr.
P ₀	.000	35	.000		37	.000	44	.000		38
P ₁	.039	37	.0198		63	.415	38	.018		44
P ₂			.0396		147			.036		51
P ₃			.0594		321			.054		63
P ₄			.0792		488			.072		80
P ₅			.0990		618			.090		107
P ₆			.1188		721			.108		147
P ₇			.1386		806			.126		205
P ₈			.1584		873			.144		277
P ₉			.1782		928			.162		358
P ₁₀			.1980		971			.180		574

Reading Interval 3 3 Minutes

REMARKS:

SPECIAL PRESSURE DATA

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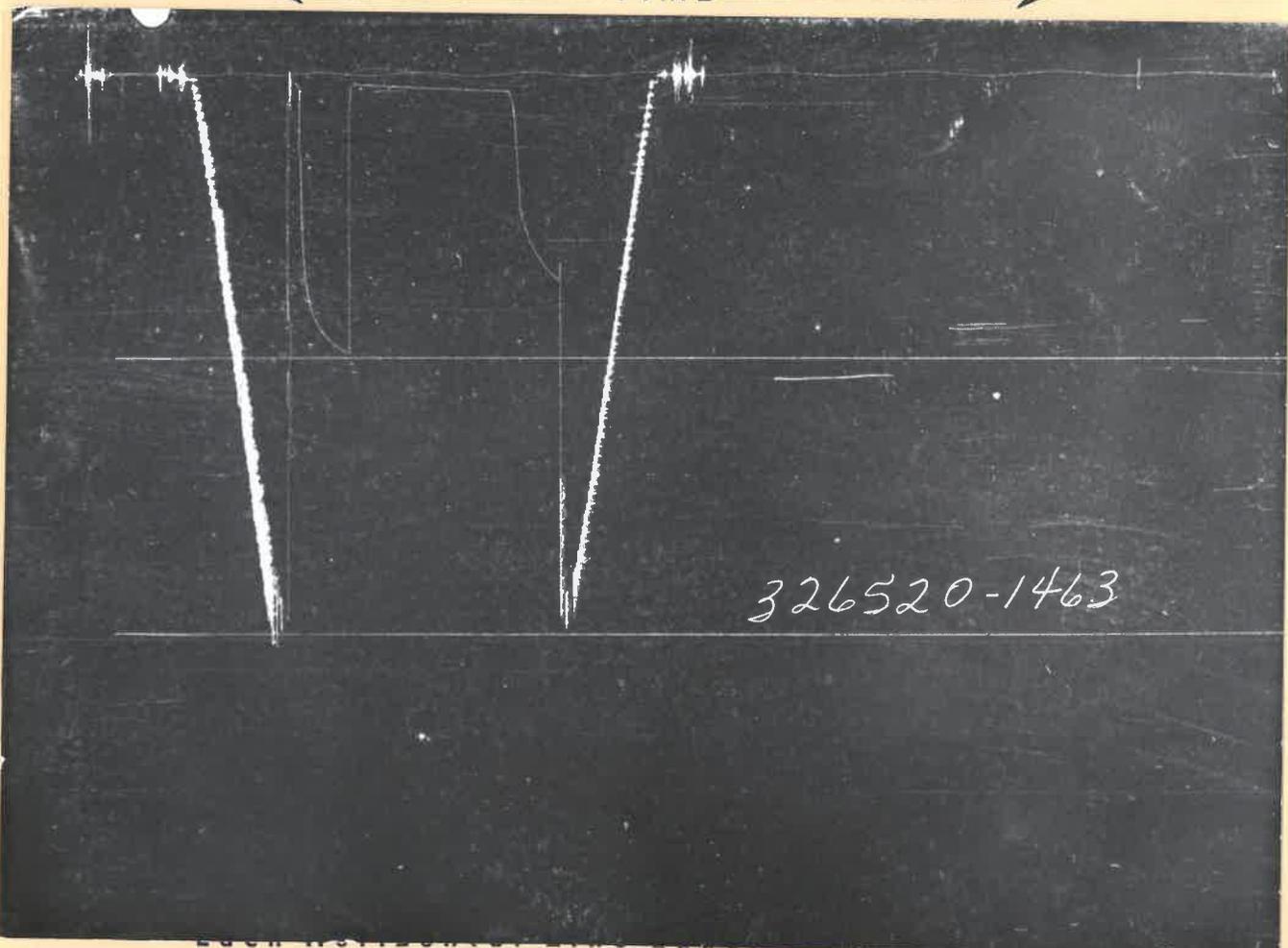
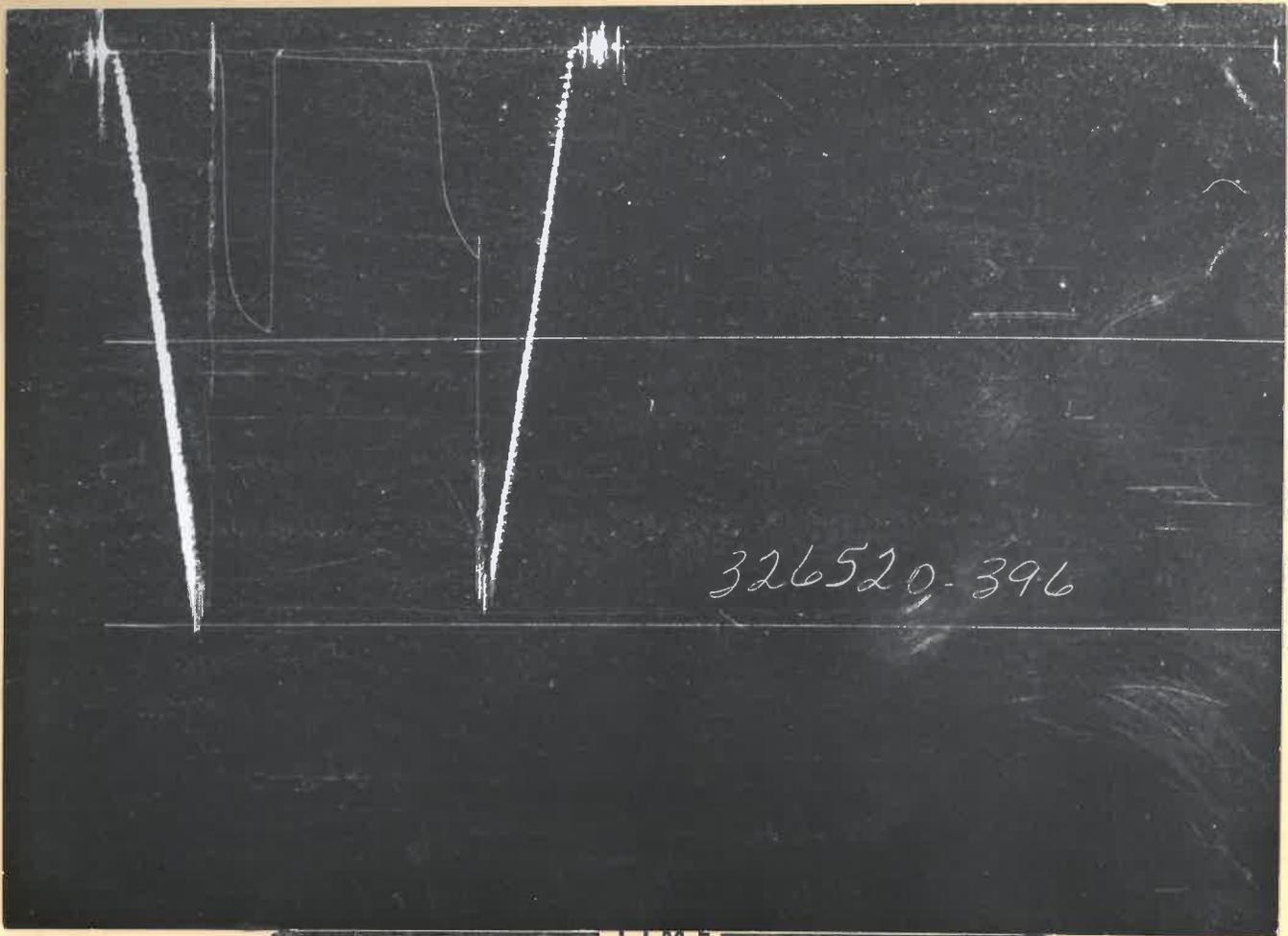
Each horizontal line equal to 1000 p.s.i.

Flow Time	1st 5	Min.	2nd 90	Min.	Date	4-6-62	Ticket Number	326520	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	3556	Ft.	NO	Blanked Off	Drilling Contractor	Peel Brothers Incorporated			
BT. P.R.D. No.	396		12	Hour Clock	Elevation	2093'	Top Packer	-	
Initial Hydro Mud Pressure	-		1898		Total Depth	3590'	Bottom Packer	3559'	
Initial Closed in Pres.	960		973		Interval Tested	3559'-3590'	Formation Tested	Conglomerate	
Initial Flow Pres.	20		1 16		Casing or Hole Size	7 7/8"	Casing Perfs.	Top	-
	-		2 29					Bot.	-
Final Flow Pres.	-		1 17		Surface Choke	1/4"	Bottom Choke	5/8"	
Final Closed in Pres.	715		722		Size & Kind Drill Pipe	4 1/2" ACME	Drill Collars Above Tester	-	
Final Hydro Mud Pressure	1935		1883		Mud Weight	10.3	Mud Viscosity	43	
Depth Cen. Gauge		Ft.		Blanked Off	Temperature	101	Anchor Size & Length	ID	- X
BT. P.R.D. No.				Hour Clock	Depths Mea. From		Depth of Tester Valve	3553'	Ft.
Initial Hydro Mud Pres.					TYPE AMOUNT		Depth Back Pres. Valve	3549'	Ft.
Initial Closed in Pres.					Recovered	82	Feet of Oil cut 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	3584	Ft.	YES	Blanked Off	Gas Gravity	-	Surface Pressure	-	psi
BT. P.R.D. No.	1463		12	Hour Clock	Tool Opened	2:25	A.M. Tool Closed	4:30	A.M. P.M.
Initial Hydro Mud Pres.			1913		Remarks	Opened tool for 5 minute 1st flow.			
Initial Closed in Pres.			986			Closed tool for 30 minute initial closed			
Initial Flow Pres.			1 33			in pressure. Reopened tool for 90 minute			
Final Flow Pres.			2 45			2nd flow. Closed tool for 30 minute final			
Final Closed in Pres.			1 42			closed in pressure.			
Final Hydro Mud Pres.			2 61						
Final Closed in Pres.			725						
Final Hydro Mud Pres.			1902						

Legal Location Sec. 15 - 10 - 16
 Lease Name SMITH
 Well No. 0-2
 Test No. 5
 Field Area Natona
 County Natona
 Rooks
 State KANSAS
 Owner's District RUSSELL 15-10-16
 Lease Owner/Company Name CITIES SERVICE PETROLEUM COMPANY

FORMATION TEST DATA
SPECIAL PRESSURE DATA

PRESSURE



Gauge No. 396		Depth 3556'			Clock 12 hour		Ticket No. 326520			
First Flow Period		Initial Closed In Pressure			Second Flow Period		Final Closed In Pressure			
	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t+\theta}{e}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t+\theta}{e}$	PSIG Temp. Corr.
P ₀	.000	16	.000		17	.000	29	.000		45
P ₁	.025	17	.0202		510	.1023	27	.0202		111
P ₂			.0404		775	.2046	30	.0404		212
P ₃			.0606		845	.3069	34	.0606		466
P ₄			.0808		885	.4092	37	.0808		544
P ₅			.1010		910	.5115	41	.1010		591
P ₆			.1212		929	.6140	45	.1212		627
P ₇			.1414		944			.1414		658
P ₈			.1616		956			.1616		683
P ₉			.1818		965			.1818		704
P ₁₀			.2020		973			.2020		722

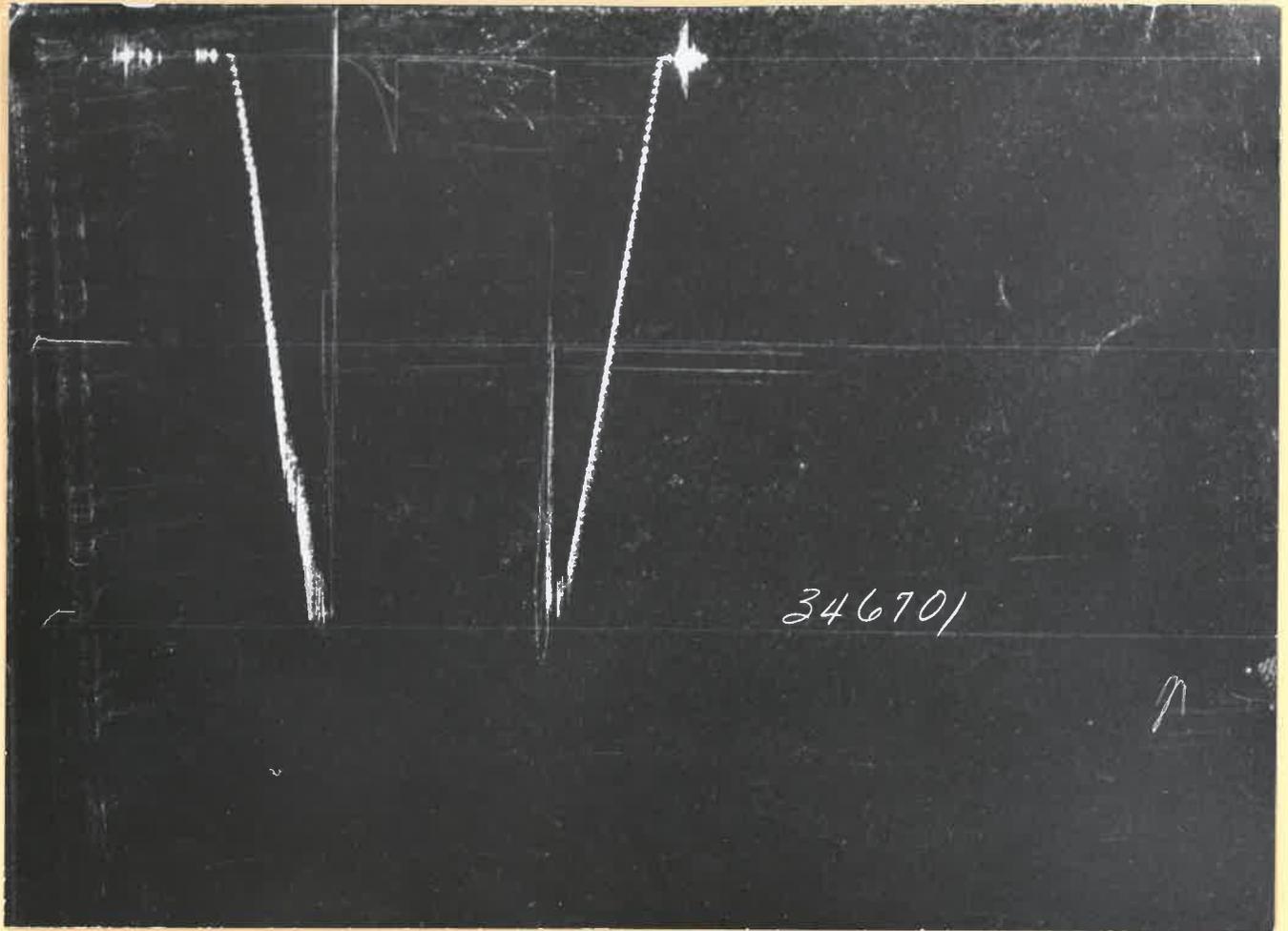
Gauge No. 1463		Depth 3584'			Clock 12 hour						
	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t+\theta}{e}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t+\theta}{e}$	PSIG Temp. Corr.	
P ₀	.000	33	.000		42	.000	45	.000		61	
P ₁	.032	42	.0205		631	.1045	42	.020		118	
P ₂			.0410		786	.2090	47	.040		355	
P ₃			.0615		851	.3135	51	.060		521	
P ₄			.0820		890	.4180	54	.080		575	
P ₅			.1025		917	.5225	58	.100		604	
P ₆			.1230		938	.6270	61	.120		645	
P ₇			.1435		954			.140		666	
P ₈			.1640		966			.160		691	
P ₉			.1845		977			.180		707	
P ₁₀			.2050		986			.200		725	
Reading Interval			3			15		3			Minutes

REMARKS:

SPECIAL PRESSURE DATA

M 9/1-56

PRESSURE



TIME

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

Flow Time	1st Min. 5	2nd Min. 60	Date	4-7-62	Ticket Number	346701
Closed In Press. Time	1st Min. 30	2nd Min. 30	Kind of Job	Open Hole	Halliburton District	Hays
Pressure Readings	Field	Office Corrected	Tester	A. A. Berens	Witness	E. Nabry
Depth Top Gauge	3585 Ft.	No Blanked Off	Drilling Contractor	Peel Bros. Inc.		
BT. P.R.D. No.	396	12 Hour Clock	Elevation	2093' DF	Top Packer	3592'
Initial Hydro Mud Pressure	-	1928	Total Depth	3605'	Bottom Packer	3598'
Initial Closed in Pres.	330	327	Interval Tested	3598-3605'	Formation Tested	Congl.
Initial Flow Pres.	10	1 9 2 12	Casing or Hole Size	7 7/8"	Casing Perfs. } Top	
Final Flow Pres.	14	1 9 2 12	Surface Choke	1 1/4"	Bottom Choke	5/8"
Final Closed in Pres.	50	53	Size & Kind Drill Pipe	4 1/2" Acme	Drill Collars Above Tester	I.D. - LENGTH
Final Hydro Mud Pressure	1980	1880	Mud Weight	10.3	Mud Viscosity	43
Depth Cen. Gauge	Ft.	Blanked Off	Temperature	101	°F Est. Anchor Size ID & Length OD	X
BT. P.R.D. No.		Hour Clock	Depths Mea. From	-	Depth of Tester Valve	3582 Ft.
Initial Hydro Mud Pres.			Cushion		Depth Back Pres. Valve	3578 Ft.
Initial Closed in Pres.			Recovered	18 Feet of mud		
Initial Flow Pres.		1	Recovered	Feet of		
Final Flow Pres.		2	Recovered	Feet of		
Final Closed in Pres.		1	Recovered	Feet of		
Final Hydro Mud Pres.		2	Recovered	Feet of		
Depth Bot. Gauge	Ft.	Blanked Off	Oil A.P.I. Gravity		Water Spec. Gravity	
BT. P.R.D. No.		Hour Clock	Gas Gravity		Surface Pressure	psi
Initial Hydro Mud Pres.			Tool Opened	5:05	A.M. Tool Closed	6:40
Initial Closed in Pres.			Remarks	Open tool for 5 mins first flow.		
Initial Flow Pres.		1		Closed for 30 mins. Reopen tool with a weak		
Final Flow Pres.		2		blow for 5 mins. Closed for 30 mins.		
Final Closed in Pres.		1		No special reading adaptable.		
Final Hydro Mud Pres.		2				

Legal Location Sec. - Twp. - Rng. 15-10-16
 Lease Name SMITH
 Well No. U-2
 Test No. 6
 Field Area NATOMA
 County FOOKS
 State KANSAS
 Lease Owner/Company Name CITIES SERVICE PETROLEUM COMPANY
 Owner's District RUSSELL
 15-10-16 W

FORMATION TEST DATA

* Potentiometric Surface Reference to Rotary Table When Elevation Not Given, Fresh Water Corrected to 100° F.