

Flow Time	1st 6	Min.	2nd 60	Min.	Date	7-4-62	Ticket Number	346591 - S
Closed In Press. Time	1st 25	Min.	2nd 30	Min.	Kind of Job	Open hole	Halliburton District	Hays
Pressure Readings	Field		Office Corrected		Tester	Dub Sellers	Witness	Jim Quick
Depth Top Gauge	3202	Ft.	no	Blanked Off	Drilling Contractor	PEEL BROTHERS INC.		
BT. P.R.D. No.	232		12	Hour Clock	Elevation	2084' DF	Top Packer	3200'
Initial Hydro Mud Pressure			1678		Total Depth	3265'	Bottom Packer	-
Initial Closed in Pres.			1038		Interval Tested	3200-3265'	Formation Tested	Kansas City
Initial Flow Pres.		1	14		Casing or Hole Size	7 7/8"	Casing Perfs.	Top
		2	24					Bot.
Final Flow Pres.		1	21		Surface Choke	1/4"	Bottom Choke	5/8"
		2	19					I.D. - LENGTH
Final Closed in Pres.			865		Size & Kind Drill Pipe	4 1/2" ACME	Drill Collars Above Tester	-
Final Hydro Mud Pressure			1674		Mud Weight	10	Mud Viscosity	48
Depth Cen. Gauge		Ft.		Blanked Off	Temperature	Act 82	*F Est. Anchor Size & Length	ID 3.84 OD 5" X 65'
BT. P.R.D. No.				Hour Clock	Depths Meas. From	Derrick floor	Depth of Tester Valve	3189 Ft.
Initial Hydro Mud Pres.					TYPE AMOUNT		Depth Back Pres. Valve	3184 Ft.
Initial Closed in Pres.					Cushion			
Initial Flow Pres.		1			Recovered	30	Feet of	mud with scum of
		2			Recovered		Feet of	oil on top
Final Flow Pres.		1			Recovered		Feet of	
		2			Recovered		Feet of	
Final Closed in Pres.					Recovered		Feet of	
Final Hydro Mud Pres.					Oil A.P.I. Gravity		Water Spec. Gravity	
Depth Bot. Gauge	3261	Ft.	yes	Blanked Off	Gas Gravity		Surface Pressure	psi
BT. P.R.D. No.	1462		12	Hour Clock	Tool Opened	3:35 AM	A.M. P.M. Tool Closed	5:06 AM P.M.
Initial Hydro Mud Pres.	1745		1726		Remarks	Tool-opened for a 6 minute first		
Initial Closed in Pres.	1085		1082		flow. Rotated for a 25 minute closed in			
Initial Flow Pres.	40	1	48		pressure. Tool re-opened with blow which			
	40	2	59		died immediately. Took a 30 minute final			
Final Flow Pres.	40	1	49		closed in pressure.			
	50	2	60					
Final Closed in Pres.	895		908					
Final Hydro Mud Pres.	1730		1720					

Legal Location - Sec. - Twp. - Rng. NE NW SE 15 10 16
 Lease Name SMITH 11th
 Well No. 5
 Test No. 1
 Field Area WILDCAT
 Lease Owner/Company Name CITIES SERVICE PETROLEUM COMPANY
 County ROOKS
 State KANSAS
 Owner's District 15-10-16 WPIA INVILLE

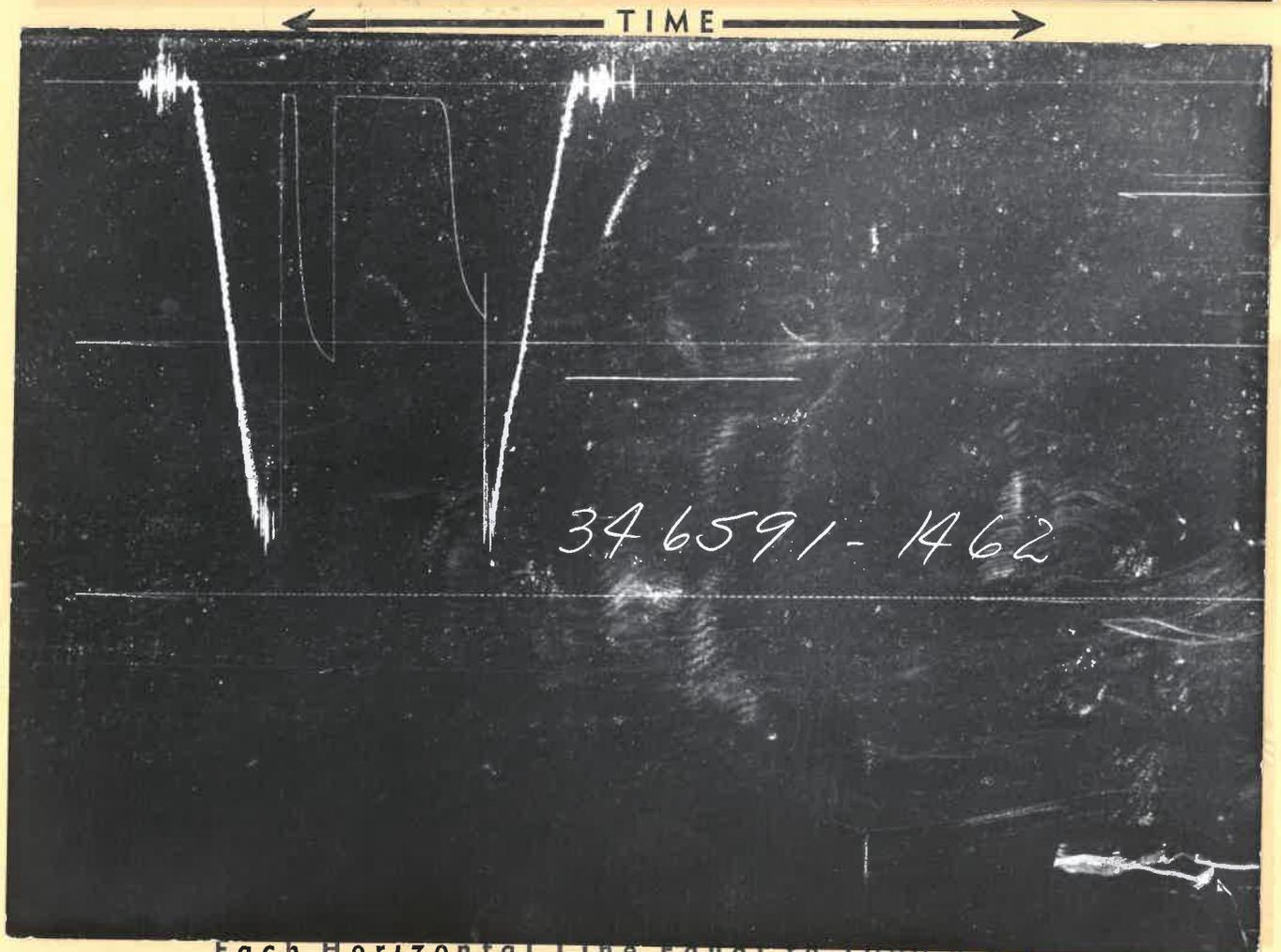
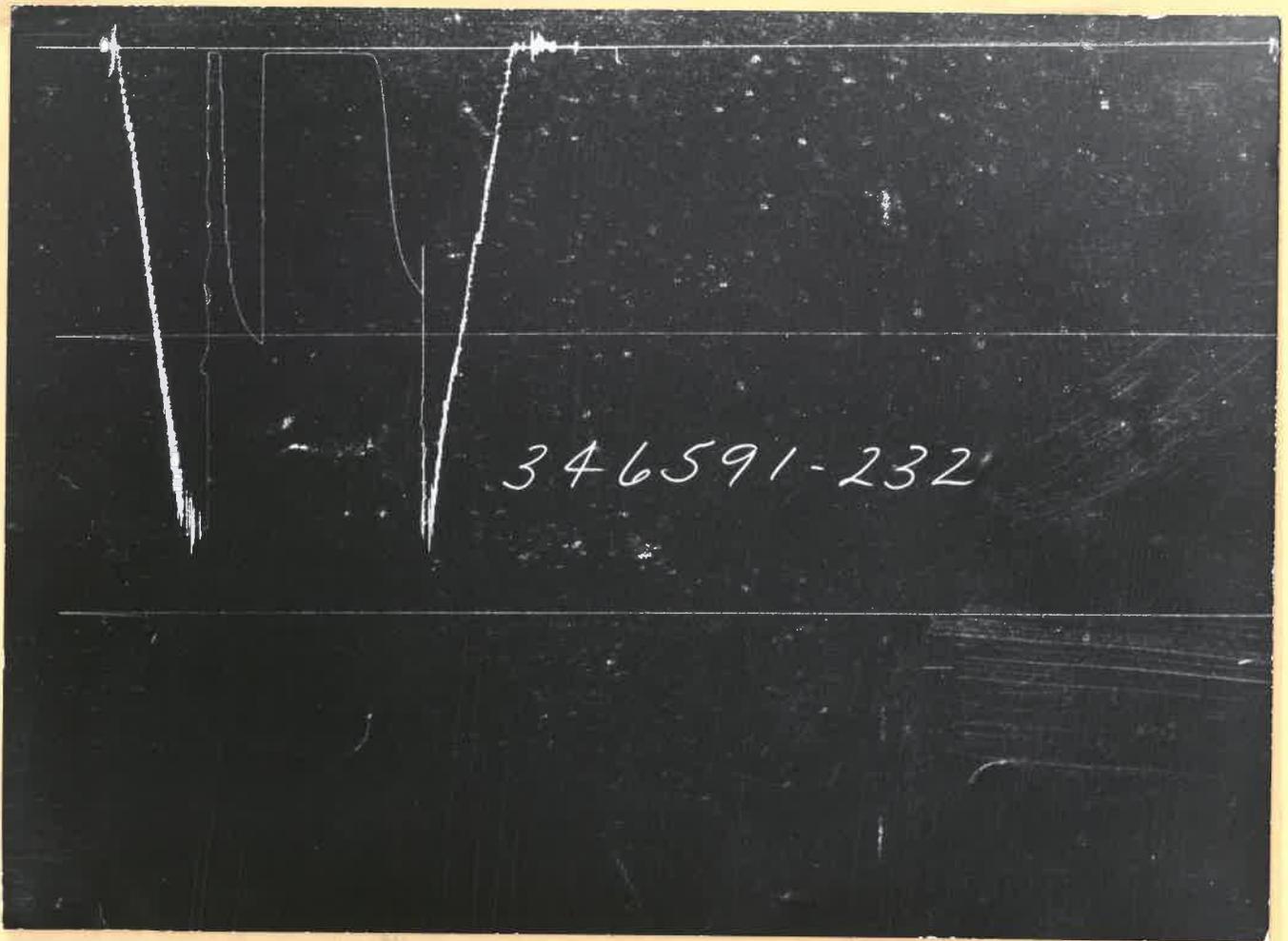
FORMATION TEST DATA
SPECIAL PRESSURE DATA

Gauge No. 232		Depth 3202			Clock 12 hour		Ticket No. 346591			
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	14	.000		21	.000	24	.000		19
P ₁	.045	21	.0167		368	.424	19	.0207		37
P ₂			.0334		684			.0414		97
P ₃			.0501		831			.0621		257
P ₄			.0668		896			.0828		493
P ₅			.0835		941			.1035		643
P ₆			.1002		971			.1242		722
P ₇			.1169		993			.1449		773
P ₈			.1336		1010			.1656		811
P ₉			.1503		1026			.1863		840
P ₁₀			.1670		1038			.2070		865

Gauge No. 1462		Depth 3261			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	48	.000		49	.000	59	.000		60	
P ₁	.040	49	.016		456	.409	60	.0193		76	
P ₂			.032		744			.0386		125	
P ₃			.048		874			.0579		345	
P ₄			.064		942			.0772		588	
P ₅			.080		987			.0965		713	
P ₆			.096		1018			.1158		778	
P ₇			.112		1041			.1351		827	
P ₈			.128		1059			.1544		858	
P ₉			.144		1072			.1737		886	
P ₁₀			.160		1082			.193		908	
Reading Interval			2.5						3 Minutes		

REMARKS:

SPECIAL PRESSURE DATA



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

Flow Time	1st Min. 5	2nd Min. 60	Date	7-4-62	Ticket Number	346592-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	Earl Mobry
Depth Top Gauge	3278 Ft.	Blanked Off no	Drilling Contractor	PEEL BROTHERS		
BT. P.R.D. No.	232	Hour Clock 12	Elevation	2084' DF	Top Packer	3273'
Initial Hydro Mud Pressure		1722	Total Depth	3311'	Bottom Packer	-
Initial Closed in Pres.		970	Interval Tested	3273-3311'	Formation Tested	Kansas city
Initial Flow Pres.		1 17 2 32	Casing or Hole Size	7 7/8"	Casing Perfs. Top Bot.	
Final Flow Pres.		1 15 2 24	Surface Choke	1/4"	Bottom Choke	5/8"
Final Closed in Pres.		506	Size & Kind Drill Pipe	4 1/2" Acme	Drill Collars Above Tester	-
Final Hydro Mud Pressure		1713	Mud Weight	10	Mud Viscosity	48
Depth Cen. Gauge	Ft.	Blanked Off	Temperature	A 83 °F Est. °F Actual	Anchor Size ID OD	3.84 X 5 38'
BT. P.R.D. No.		Hour Clock	Depths Mea. From	Derrick floor	Depth of Tester Valve	3252 Ft.
Initial Hydro Mud Pres.			Cushion		Depth Back Pres. Valve	3257 Ft.
Initial Closed in Pres.			Recovered	25	Feet of mud with scattered	
Initial Flow Pres.		1	Recovered		Feet of specks of oil & scum	
Final Flow Pres.		1	Recovered		Feet of oil on top	
Final Closed in Pres.		2	Recovered		Feet of	
Final Hydro Mud Pres.			Oil A.P.I. Gravity		Water Spec. Gravity	
Depth Bot. Gauge	3307 Ft.	Blanked Off yes	Gas Gravity		Surface Pressure	psi
BT. P.R.D. No.	1462	Hour Clock 12	Tool Opened	8:27 PM	A.M. P.M. Tool Closed	10:02 PM A.M. P.M.
Initial Hydro Mud Pres.	1775	1744	Remarks	Tool opened for a 5 minute first		
Initial Closed in Pres.	985	992		flow. Rotated for a 30 minute initial		
Initial Flow Pres.	30	1 35		closed in pressure. Tool re-opened -		
Final Flow Pres.	30	2 77*		blow dead immediately - flushed tool with		
Final Closed in Pres.	500	528		same results. Took a 30 minute final		
Final Hydro Mud Pres.	1750	1734		closed in pressure.		

Legal Location Sec. - Twp. - Range. NE NW SE 15 10 16
 Lease Name S MITH 11 U
 Well No. 5
 Test No. 2
 State KANSAS
 County ROOKS
 Lease Owner/Company Name CITIES SERVICE PETROLEUM CO.
 Owner's District PLAINVILLE
 15-105-16W

FORMATION TEST DATA

SPECIAL PRESSURE DATA

Gauge No. 232		Depth 3278			Clock 12 hour		Ticket No. 346592			
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		15	.000	32	.000		24
P ₁	.031	15	.021		84	.428	24	.020		30
P ₂			.042		347			.040		38
P ₃			.063		598			.060		49
P ₄			.084		741			.080		65
P ₅			.105		821			.100		93
P ₆			.126		874			.120		138
P ₇			.147		909			.140		211
P ₈			.168		935			.160		314
P ₉			.189		955			.180		417
P ₁₀			.210		970			.200		506

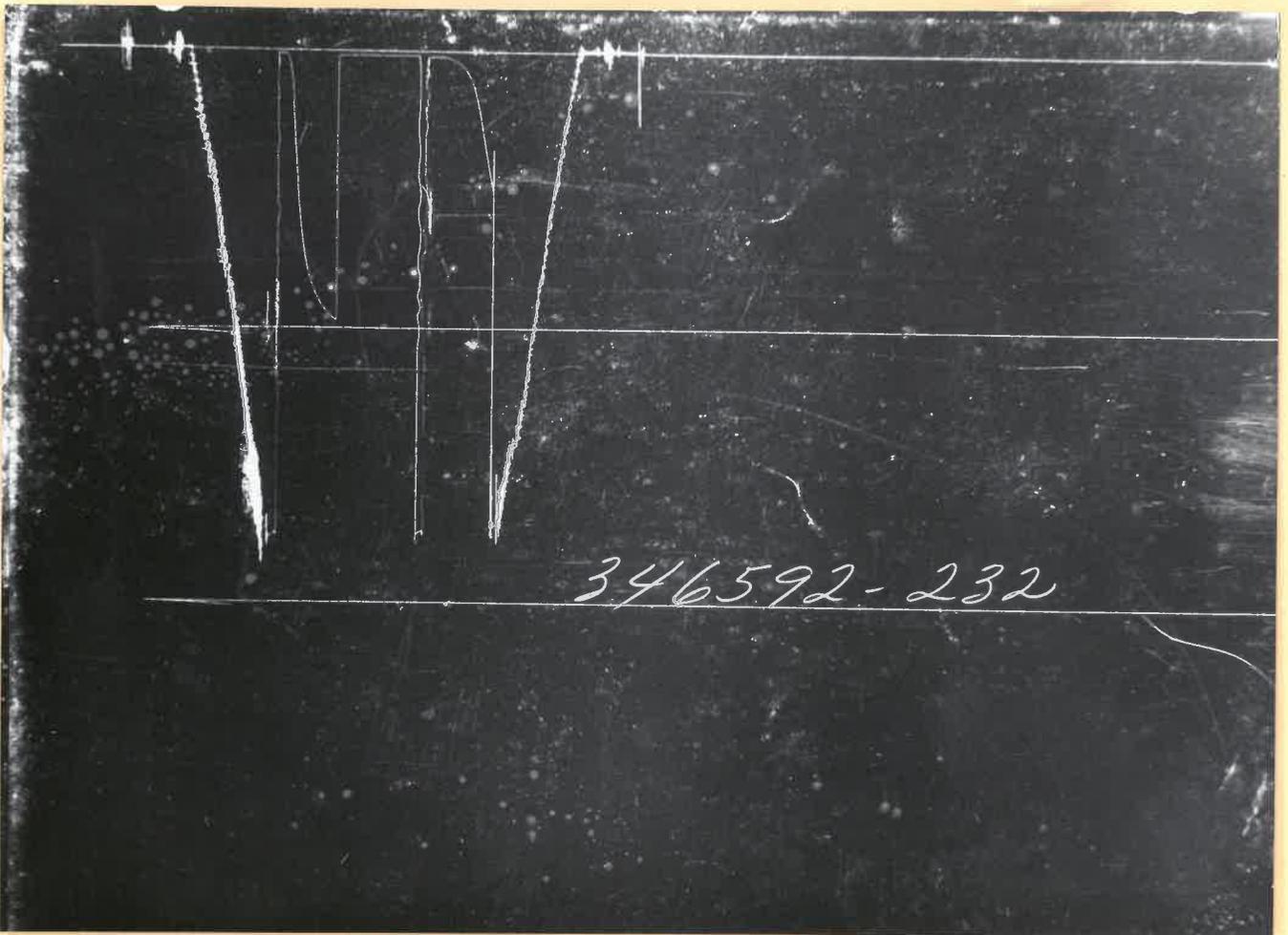
Gauge No. 1462		Depth 3307			Clock 12 hour					
Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t+\theta}{\phi}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t+\theta}{\phi}$	PSIG Temp. Corr.	
P ₀	.000	35	.000		33	.000	77*	.000		40
P ₁	.030	33	.0199		78	.414	40	.020		45
P ₂			.0398		380			.040		52
P ₃			.0597		637			.060		63
P ₄			.0796		770			.080		76
P ₅			.0995		847			.100		99
P ₆			.1194		900			.120		136
P ₇			.1393		934			.140		209
P ₈			.1592		959			.160		323
P ₉			.1791		978			.180		439
P ₁₀			.1990		992			.200		528

Reading Interval 3 Minutes

REMARKS:

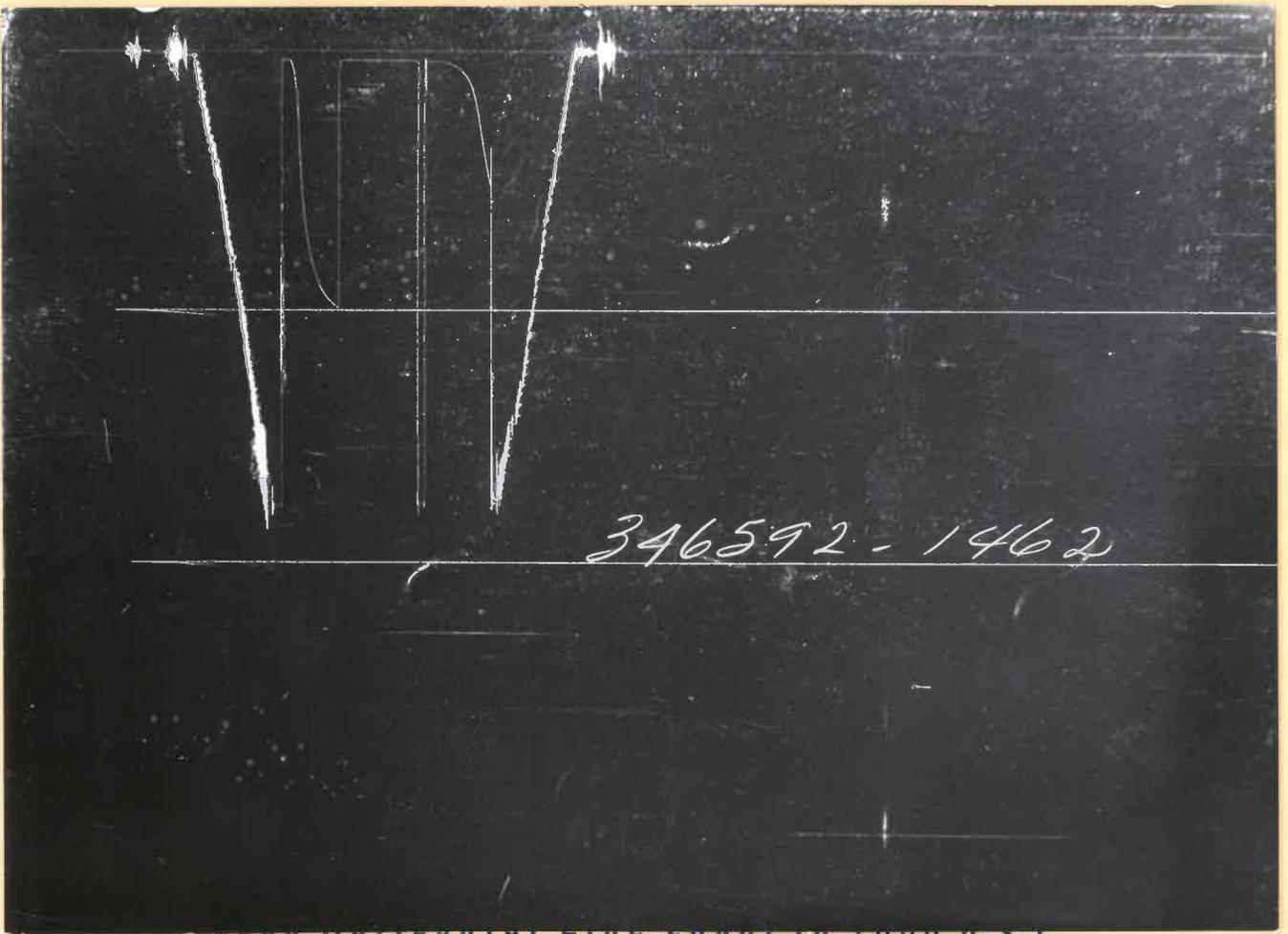
SPECIAL PRESSURE DATA

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PRESSURE
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346592-232

← TIME →



346592-1462

Each horizontal line equals 1000 p.s.i.

Flow Time	1st 5	Min.	2nd 60	Min.	Date	7-5-62	Ticket Number	346593 S
Closed In Press. Time	1st 30	Min.	2nd 30	Min.	Kind of Job	Open hole	Holliberton District	Hays
Pressure Readings	Field		Office Corrected		Tester	Dub Sellers	Witness	Earl Mabry
Depth Top Gauge	3314	Ft.	Blanked Off no		Drilling Contractor	PEEL BROTHERS INC.		
BT. P.R.D. No.	232		Hour Clock 12		Elevation	2084' DF	Top Packer	3312'
Initial Hydro Mud Pressure			1697		Total Depth	3359'	Bottom Packer	-
Initial Closed in Pres.			1145		Interval Tested	47'	Formation Tested	Kansas City
Initial Flow Pres.		1	14		Casing or Hole Size	7 7/8"	Casing Perfs. } Top Bot.	
		2	33					
Final Flow Pres.		1	17		Surface Choke	1/4"	Bottom Choke	5/8"
		2	92		Size & Kind Drill Pipe	4 1/2" ACME	Drill Collars Above Tester	I.D. - LENGTH -
Final Closed in Pres.			1040		Mud Weight	10	Mud Viscosity	44
Final Hydro Mud Pressure			1685		Temperature	Act 83	Anchor Size ID & Length	3.84 X 5
Depth Cen. Gauge		Ft.	Blanked Off		*F. Est. *F. Actual			47
BT. P.R.D. No.			Hour Clock		Depths Mea. From	Derrick Floor	Depth of Tester Valve	3203 Ft.
Initial Hydro Mud Pres.					TYPE AMOUNT		Depth Back Pres. Valve	3197 Ft.
Initial Closed in Pres.					Cushion		Recovered 55 Feet of slightly watery oil specked mud	
Initial Flow Pres.		1			Recovered		Recovered Feet of	
		2			Recovered		Recovered 60 Feet of watery mud with trace of oil	
Final Flow Pres.		1			Recovered		Recovered 60 Feet of watery mud	
		2			Oil A.P.I. Gravity		Water Spec. Gravity	
Final Closed in Pres.					Gas Gravity		Surface Pressure psi	
Final Hydro Mud Pres.					Depth Bot. Gauge	3355 Ft.	Blanked Off yes	
BT. P.R.D. No.	1462		Hour Clock 12		Tool Opened	2:15 PM	A.M. P.M.	Tool Closed 4:23 PM A.M. P.M.
Initial Hydro Mud Pres.	1795		1775		Remarks	Tool opened for a 5 minute first		
Initial Closed in Pres.	1185		1179		flow. Rotated for a 30 minute initial			
Initial Flow Pres.	40	1	42		closed in pressure. Tool re-opened with a			
	40	2	80		fair blow thru test. Took a 30 minute			
Final Flow Pres.	40	1	49		final closed in pressure.			
	120	2	123					
Final Closed in Pres.	1065		1073					
Final Hydro Mud Pres.	1775		1722					

Legal Location Sec. - Twp. - Rng. NE NW SE 15 10 16
 Lease Name SMITH #011
 Well No. 5
 Test No. 3
 Field Area WILDCAT
 County ROOKS
 State KANSAS
 Lease Owner/Company Name CITIES SERVICE PETROLEUM CO.
 Owner's District PLAINVILLE / 5-101-16m

FORMATION TEST DATA

SPECIAL PRESSURE DATA

Gauge No. 232		Depth 3314			Clock 12 hour		Ticket No. 346593			
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	14	.000		17	.000	33	.000		92
P ₁	.0058	14	.0214		942	.109	46	.0205		658
P ₂	.0116	14	.0428		1037	.218	63	.0410		857
P ₃	.0174	15	.0642		1069	.327	79	.0615		946
P ₄	.0232	16	.0856		1093	.436	92	.0820		979
P ₅	.0290	17	.1070		1114			.1025		999
P ₆			.1284		1128			.1230		1013
P ₇			.1498		1136			.1435		1023
P ₈			.1712		1141			.1640		1030
P ₉			.1926		1144			.1845		1037
P ₁₀			.2140		1145			.2050		1040

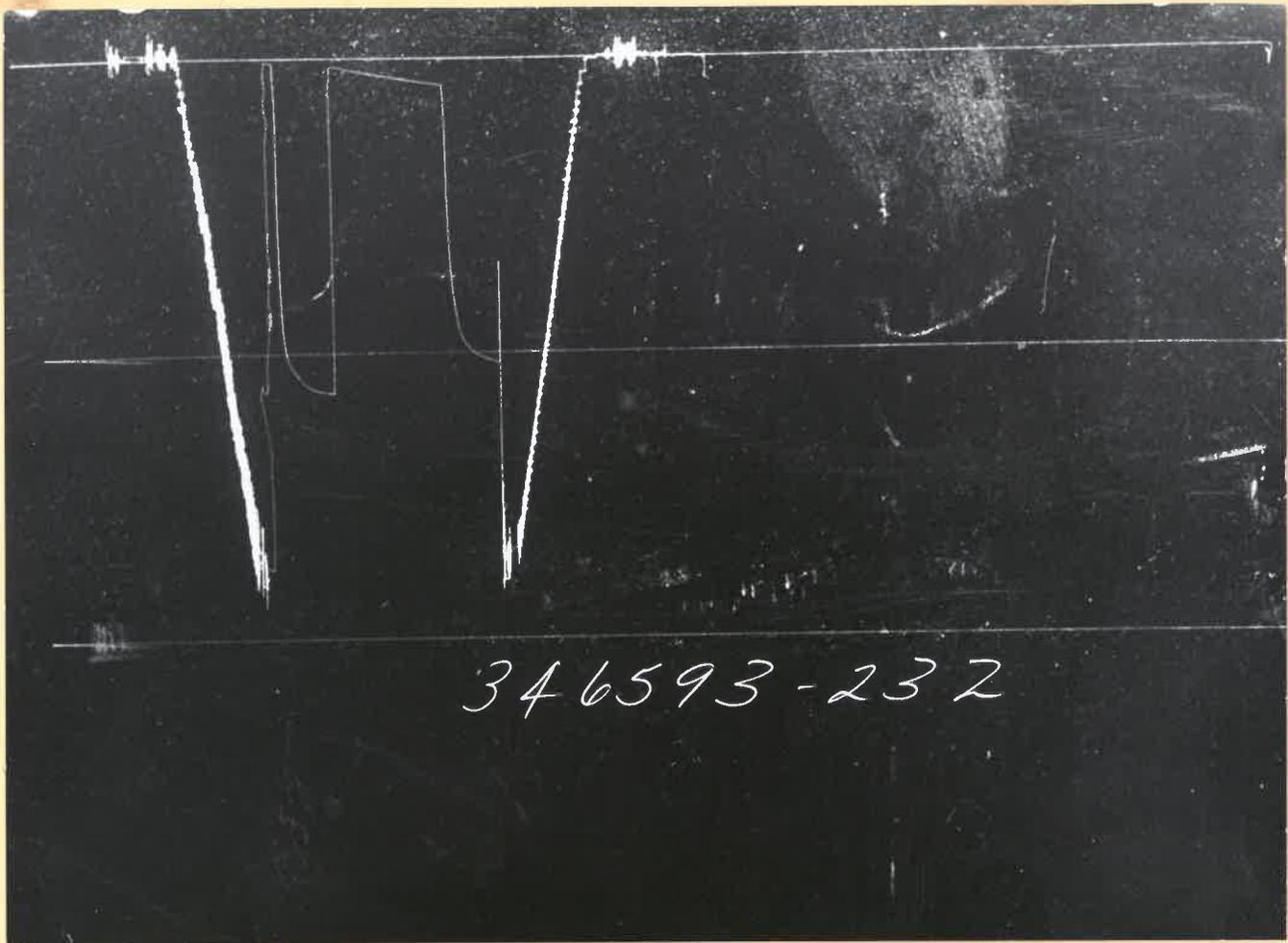
Gauge No. 1462		Depth 3355			Clock		hour			
P ₀	.000	42	.000		49	.000	80	.000		123
P ₁	.006	42	.0203		1027	.107	76	.0189		785
P ₂	.012	43	.0406		1087	.214	94	.0378		938
P ₃	.018	45	.0609		1115	.321	109	.0567		994
P ₄	.024	46	.0812		1139	.428	123	.0756		1022
P ₅	.030	49	.1015		1154			.0945		1038
P ₆			.1218		1164			.1134		1049
P ₇			.1421		1170			.1323		1059
P ₈			.1624		1174			.1512		1064
P ₉			.1827		1176			.1701		1069
P ₁₀			.2030		1179			.189		1073
Reading Interval		3			15		3			Minutes

REMARKS:

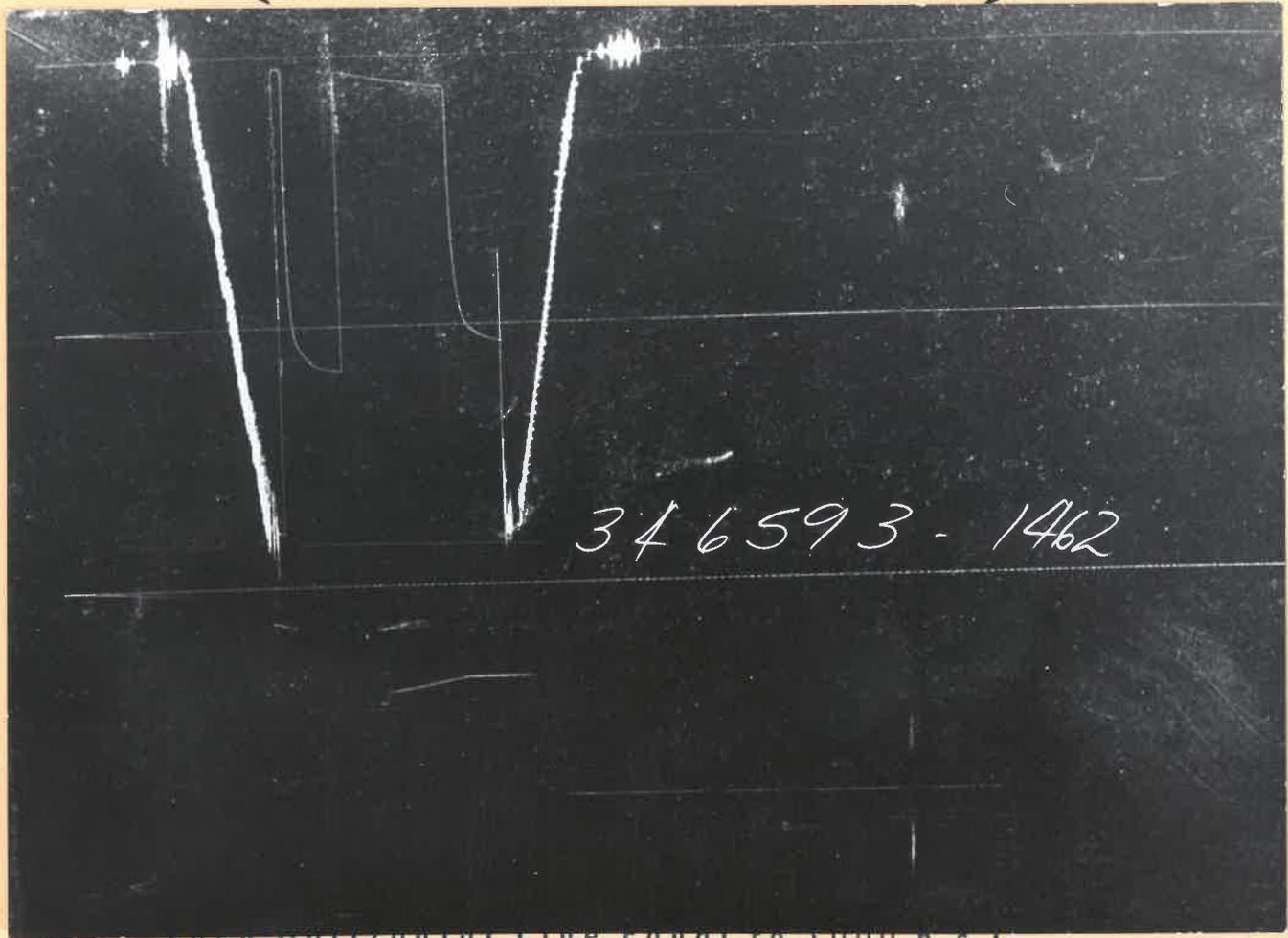
SPECIAL PRESSURE DATA

1297

↑
PRESSURE
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← TIME →



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

Flow Time	1st 5	Min.	2nd 60	Min.	Date	7-6-62	Ticket Number	346594	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	SELLERS	Witness	LYNCH	
Depth Top Gauge	3363	Ft.	no	Blanked Off	Drilling Contractor	PEEL BROTHERS, INC.			
BT. P.R.D. No.	232		12	Hour Clock	Elevation	2084' DF	Top Pecker	3361'	
Initial Hydro Mud Pressure			1761		Total Depth	3402'	Bottom Pecker		
Initial Closed in Pres.			1017		Interval Tested	3361-3402'	Formation Tested	Kansas city	
Initial Flow Pres.			1 7		Casing or Hole Size	7 7/8"	Casing Perfs.	Top Bot.	
Final Flow Pres.			1 8		Surface Choke	1/4"	Bottom Choke	5/8"	
Final Closed in Pres.			583		Size & Kind Drill Pipe	4 1/2" ACME	Drill Collars Above Tester		I.D. - LENGTH
Final Hydro Mud Pressure			1734		Mud Weight	9.7	Mud Viscosity	47	
Depth Cen. Gauge		Ft.		Blanked Off	Temperature	84	Anchor Size & Length	ID 3.84" X OD 5"	
BT. P.R.D. No.				Hour Clock	Depths Mea. From	DF	Depth of Tester Valve		Ft.
Initial Hydro Mud Pres.					Cushion	None	Depth Back Pres. Valve		Ft.
Initial Closed in Pres.					Recovered	8	Feet of drilling mud		
Initial Flow Pres.			1		Recovered		Feet of		
Final Flow Pres.			1		Recovered		Feet of		
Final Closed in Pres.					Recovered		Feet of		
Final Hydro Mud Pres.					Oil A.P.I. Gravity		Water Spec. Gravity		
Depth Bot. Gauge	3398	Ft.	yes	Blanked Off	Gas Gravity		Surface Pressure		psi
BT. P.R.D. No.	1462		12	Hour Clock	Tool Opened	10:10	Tool Closed	11:45	AM. P.M.
Initial Hydro Mud Pres.	1995		1790		Remarks	Opened for 5 min. 1st flow. Closed			
Initial Closed in Pres.	1045		1047		for 30 min. initial closed in pressure. Re-				
Initial Flow Pres.	30		1 35		opened with a blow, for 60 min. 2nd flow.				
Final Flow Pres.	30		1 35		Closed for 30 min. final closed in pressure				
Final Closed in Pres.	600		614						
Final Hydro Mud Pres.	1960		1765						

Legal Location
 Lease Name
 Well No.
 Test No.
 Field Area
 County
 State
 CITIES SERVICE PETROLEUM COMPANY
 Lease Owner/Company Name
 Owner's District
 15-10-16W

FORMATION TEST DATA

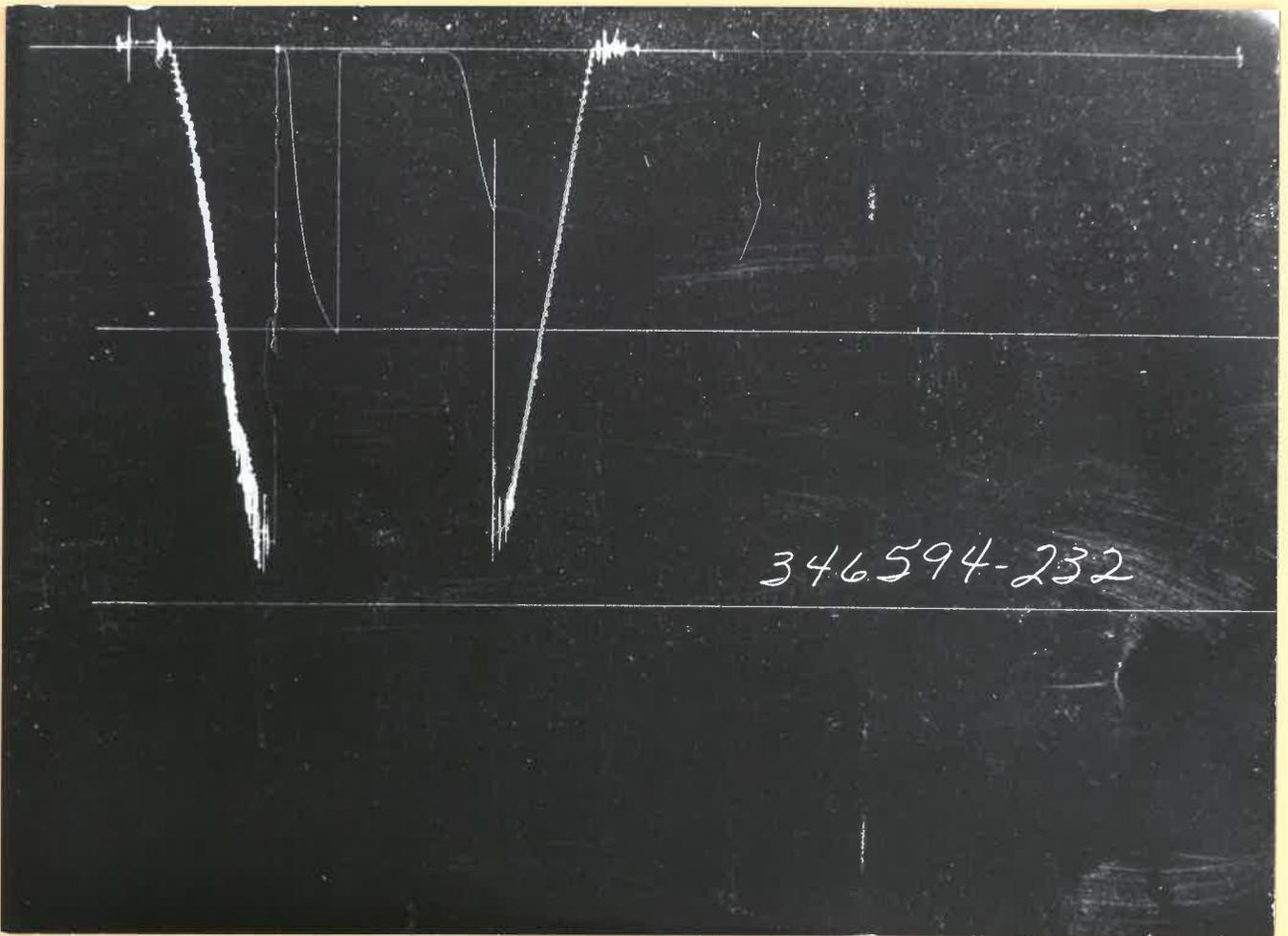
SPECIAL PRESSURE DATA

Gauge No.		232		Depth		3363'		Clock		12 hour		Ticket No.		31165911	
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	7	.000		8	.000	20	.000		12					
P ₁	.029	8	.0223		159	.427	12	.020		20					
P ₂			.0446		392			.040		36					
P ₃			.0669		573			.060		69					
P ₄			.0892		706			.080		129					
P ₅			.1115		803			.100		218					
P ₆			.1338		872			.120		304					
P ₇			.1561		924			.140		386					
P ₈			.1784		965			.160		463					
P ₉			.2007		996			.180		540					
P ₁₀			.2230		1017			.200		583					
Gauge No.		1462		Depth		3398'		Clock		12 hour					
P ₀	.000	35	.000		35	.000	46	.000		38					
P ₁	.033	35	.0202		186	.415	38	.0186		46					
P ₂			.0404		474			.0372		62					
P ₃			.0606		637			.0558		88					
P ₄			.0808		758			.0744		145					
P ₅			.1010		845			.0930		236					
P ₆			.1212		911			.1116		341					
P ₇			.1414		961			.1302		425					
P ₈			.1616		997			.1488		498					
P ₉			.1818		1027			.1674		562					
P ₁₀			.2020		1047			.1860		614					
Reading Interval			3				3				Minutes				
REMARKS:															

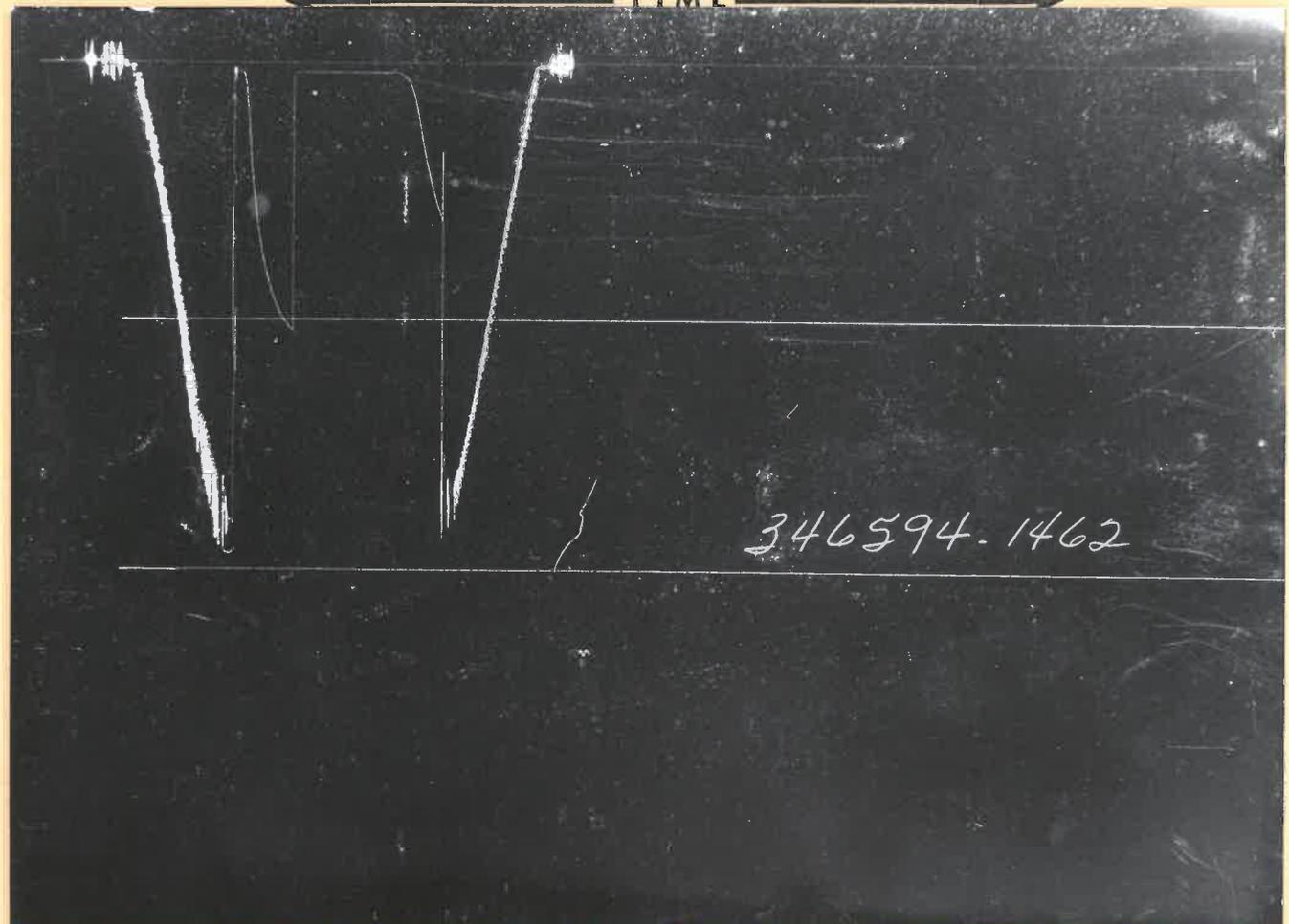
SPECIAL PRESSURE DATA

2

↑
PRESSURE
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← TIME →



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

Flow Time	1st 5	Min.	2nd 60	Min.	Date	7-8-62	Ticket Number	346595
Closed in Press. Time	1st 30	Min.	2nd 30	Min.	Kind of Job	Open Hole	Heilburton District	Hays
Pressure Readings	Field		Office Corrected		Tester	Dub Sellers	Witness	Vic Lynch
Depth Top Gauge	3561	Ft.	No	Blanked Off	Drilling Contractor	Peel Bros Inc.		
BT. P.R.D. No.	232		12	Hour Clock	Elevation	2084' DF	Top Packer	3559'
Initial Hydro Mud Pressure			1857		Total Depth	3580'	Bottom Packer	-
Initial Closed in Pres.			76		Interval Tested	21'	Formation Tested	Conglomerate
Initial Flow Pres.		1	9		Casing or Hole Size	7 7/8"	Casing Perfs.	{ Top Bot.
Final Flow Pres.		1	9		Surface Choke	1/4"	Bottom Choke	5/8"
Final Closed in Pres.		2	13		Size & Kind Drill Pipe	4 1/2" Acme	Drill Collars Above Tester	-
Final Hydro Mud Pressure			1842		Mud Weight	9.7	Mud Viscosity	47
Depth Cen. Gauge		Ft.		Blanked Off	Temperature	100 °F Est.	Anchor Size & Length	ID 3.84" X 21' OD 5"
BT. P.R.D. No.				Hour Clock	Depths Mea. From	DF	Depth of Tester Valve	3551 Ft.
Initial Hydro Mud Pres.					TYPE AMOUNT		Depth Back Pres. Valve	3546 Ft.
Initial Closed in Pres.					Cushion			
Initial Flow Pres.		1			Recovered	12 Feet of	drlg mud	
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	3576	Ft.	Yes	Blanked Off	Oil A.P.I. Gravity		Water Spec. Gravity	
BT. P.R.D. No.	1462		12	Hour Clock	Gas Gravity		Surface Pressure	psi
Initial Hydro Mud Pres.	1995		1875		Tool Opened	2:50	A.M. Tool Closed	4:25
Initial Closed in Pres.	100		98		Remarks	Open tool for 5 minutes first flow.		
Initial Flow Pres.	20	1	28			Closed for 30 mins initial closed in pressure.		
Final Flow Pres.	20	2	35			Reopen tool with blow dead immediately.		
Final Closed in Pres.	40	1	30			Closed for 30 mins final closed in pressure.		
Final Hydro Mud Pres.	1975	2	29			No special reading adaptable.		
			38					
			1867					

Legal Location Sec. - Twp. - Rng. NE NW SE 15-10-16

Lessee Name SMITH U

Well No. 5

Test No. 5

Field Area SMITH

County ROOKS

State KANSAS

Owner's District 15-10-16 W

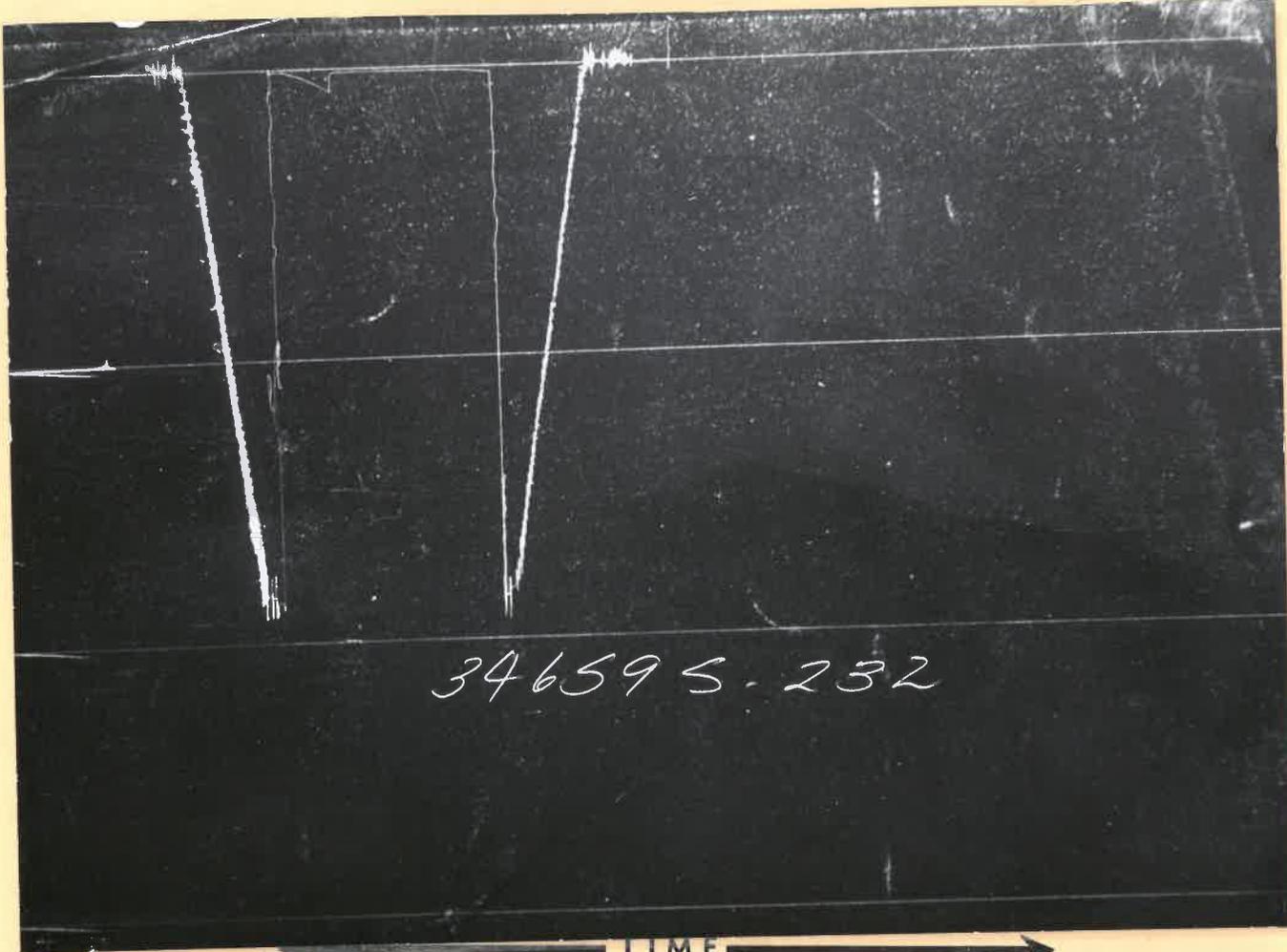
CITIES SERVICE PETROLEUM COMPANY

Lessee Owner/Company Name

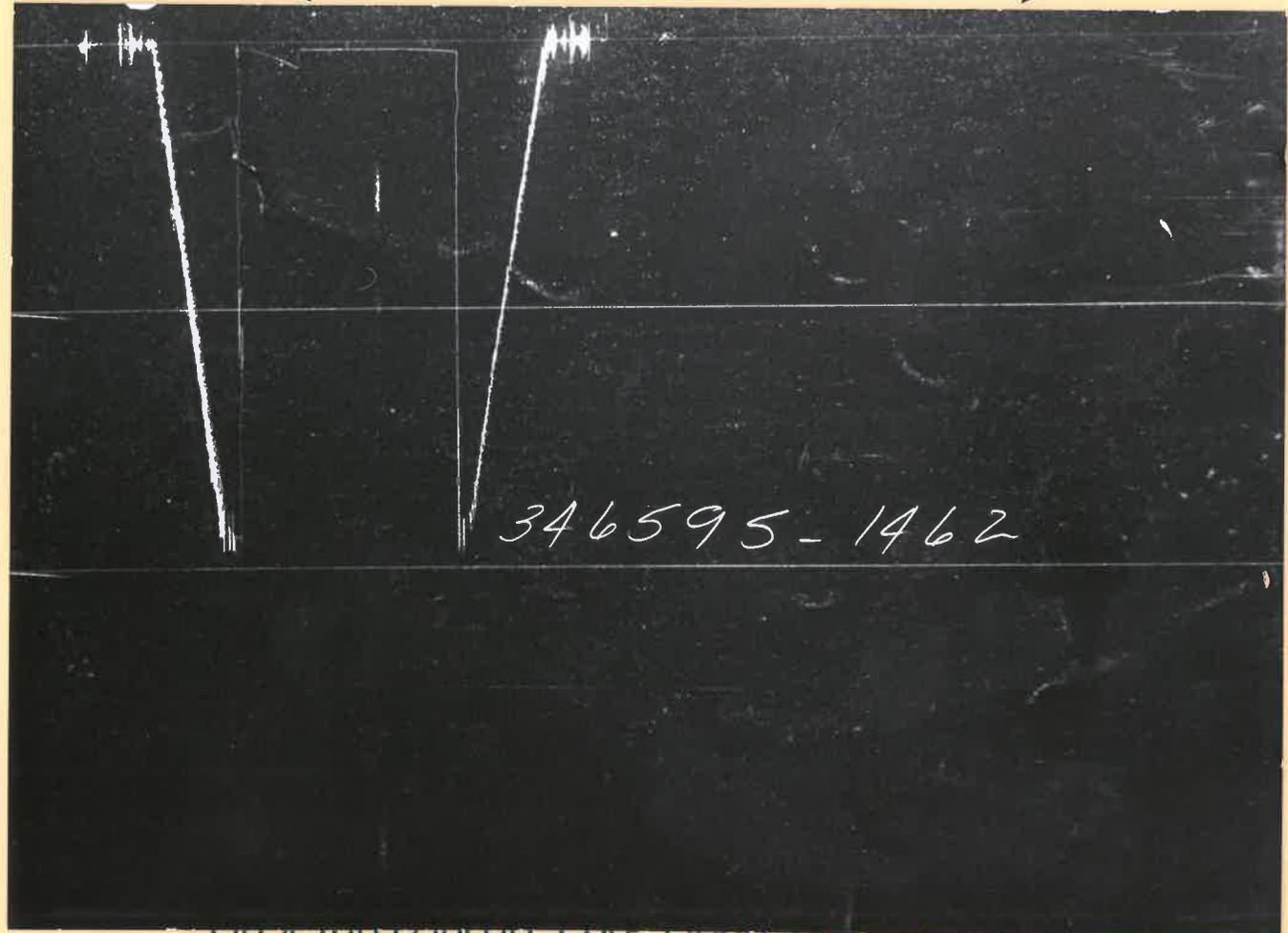
FORMATION TEST DATA

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

PRESSURE



346595-232



346595-1462

Each horizontal line equals 1000 p.s.i.

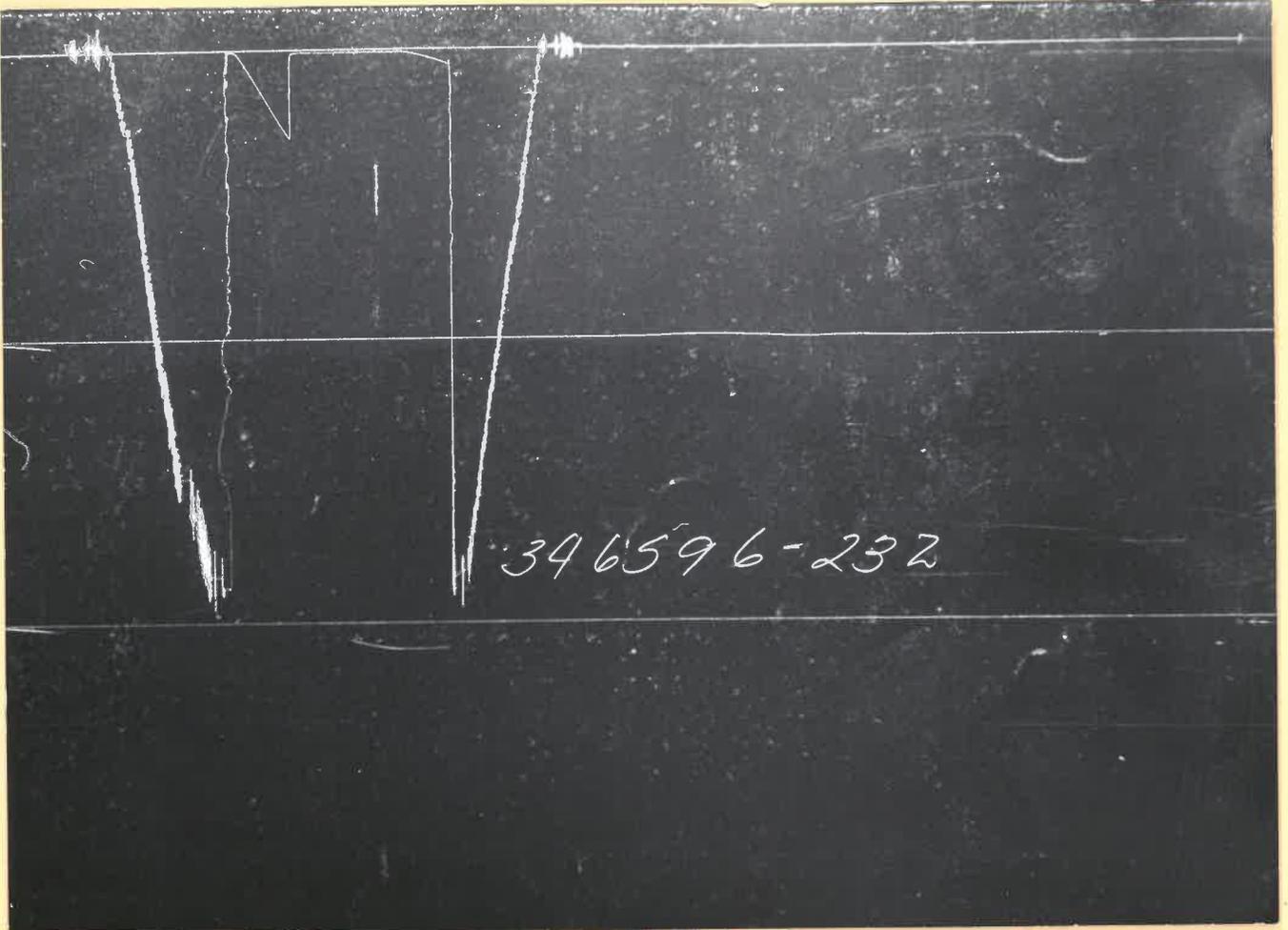
Flow Time	1st Min. 5	2nd Min. 60	Date	7-8-62	Ticket Number	346596
Closed In Press. Time	1st Min. 30	2nd Min. 30	Kind of Job	Open Hole	Halliburton District	Hays
Pressure Readings	Field	Office Corrected	Tester	Dub Sellers	Witness	Earl Mabry
Depth Top Gauge	3561 Ft.	Blanked Off no	Drilling Contractor	Peel Bros. Inc.		
BT. P.R.D. No.	232	12 Hour Clock	Elevation	2084' DF	Top Packer	3559'
Initial Hydro Mud Pressure		1833	Total Depth	3600'	Bottom Packer	-
Initial Closed in Pres.		303	Interval Tested	3559-3600'	Formation Tested	Conglomerate
Initial Flow Pres.		1 5 2 16	Casing or Hole Size	7 7/8"	Casing Perfs. } Top Bot.	
Final Flow Pres.		1 5 2 9	Surface Choke	1/4"	Bottom Choke	5/8"
Final Closed in Pres.		51	Size & Kind Drill Pipe	4 1/2" Acme	Drill Collars Above Tester	I.D. - LENGTH
Final Hydro Mud Pressure		1823	Mud Weight	9.7	Mud Viscosity	50
Depth Cen. Gauge	Ft.	Blanked Off	Temperature	100 °F Est. °F Actual	Anchor Size ID & Length	3.84" X 41" OD 5"
BT. P.R.D. No.		Hour Clock	Depths Mea. From	DF	Depth of Tester Valve	3551 Ft.
Initial Hydro Mud Pres.			Cushion	TYPE AMOUNT	Depth Back Pres. Valve	3546 Ft.
Initial Closed in Pres.			Recovered	Feet of		
Initial Flow Pres.		1 2	Recovered	4 Feet of	drilling mud	
Final Flow Pres.		1 2	Recovered	Feet of		
Final Closed in Pres.			Recovered	Feet of		
Final Hydro Mud Pres.			Oil A.P.I. Gravity		Water Spec. Gravity	
Depth Bot. Gauge	3596 Ft.	Blanked Off yes	Gas Gravity		Surface Pressure	psi
BT. P.R.D. No.	1462	12 Hour Clock	Tool Opened	2:45	A.M. Tool Closed	3:20 P.M.
Initial Hydro Mud Pres.	1885	1874	Remarks	Open tool for 5 mins weak blow.		
Initial Closed in Pres.	355	339		Closed for 30 mins. Reopen tool		
Initial Flow Pres.	30	1 37 2 44		dead remainder of test. Closed		
Final Flow Pres.	30	1 37 2 36		for 30 mins.		
Final Closed in Pres.	80	80		No special reading adaptable.		
Final Hydro Mud Pres.	1860	1843				

Legal Location: NE NW SE 15-10-16
 Lease Name: SMITH U
 Well No.: 5
 Test No.: 6
 Field Area: SMITH
 County: ROOKS
 State: KANSAS
 Lease Owner/Company Name: CITIERS SERVICE PETROLEUM COMPANY
 Owner's District: 15-105-16X

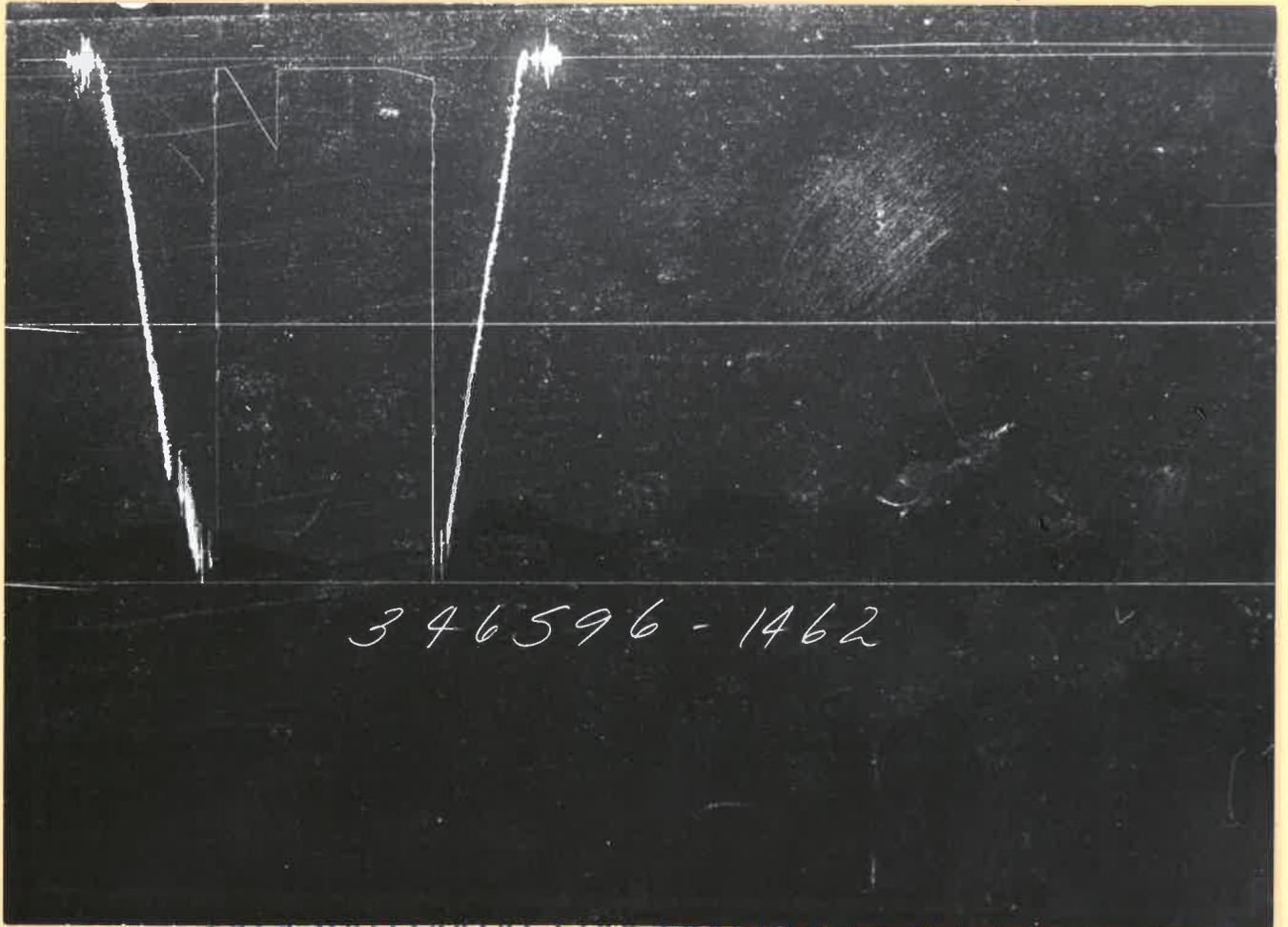
FORMATION TEST DATA

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PRESSURE



TIME



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