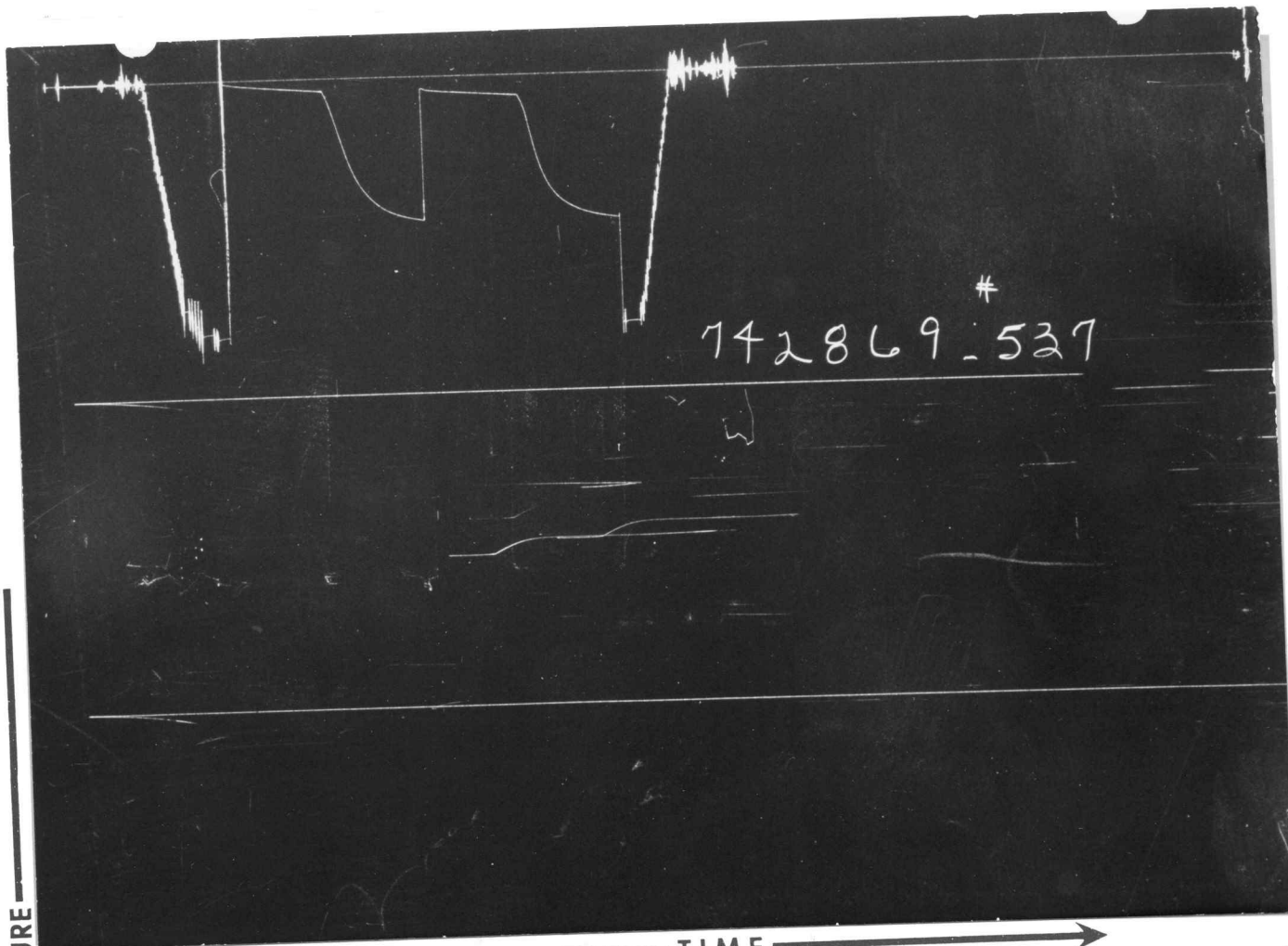


Gauge No.		537		Depth		1544'		Clock No.		4204		12 hour		Ticket No.		742869	
First Flow Period		Closed In Pressure		Second Flow Period		Closed In Pressure		Third Flow Period		Closed In Pressure		Third Flow Period		Closed In Pressure		Third Flow Period	
Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	$\text{Log } \frac{t + \theta}{\theta}$	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	$\text{Log } \frac{t + \theta}{\theta}$	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	$\text{Log } \frac{t + \theta}{\theta}$	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	$\text{Log } \frac{t + \theta}{\theta}$	Time Defl. .000"	PSIG Temp. Corr.
0	.000 8	.000		.000	43	.000		.000	65	.000							
1	.0736 17*	.0265		.0599	47**	.0266		.0266	112	.0532							
2	.1405 22	.0531		.1266	51	.0532		.0532	206	.0798							
3	.2073 27	.0796		.1932	55	.0798		.0798	284	.1064							
4	.2742 31	.1061		.2598	59	.1064		.1064	338	.1330							
5	.3411 36	.1327		.3264	62	.1330		.1330	372	.1596							
6	.4080 39	.1592		.3930	65	.1596		.1596	395	.1862							
7		.1857				.1862		.1862	411	.2128							
8		.2123				.2128		.2128	423	.2394							
9		.2388				.2394		.2394	433	.2660							
10		.2653				.2660		.2660	440	.2926							
11		.2919				.2926		.2926	445	.3192							
12		.3184				.3192		.3192	451	.3458							
13		.3449				.3458		.3458	455	.3724							
14		.3715				.3724		.3724	458	.3990							
15		.3980				.3990		.3990	460								

Gauge No.		291		Depth		1584'		Clock No.		3121		hour		12		Minutes	
Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	$\text{Log } \frac{t + \theta}{\theta}$	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	$\text{Log } \frac{t + \theta}{\theta}$	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	$\text{Log } \frac{t + \theta}{\theta}$	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	$\text{Log } \frac{t + \theta}{\theta}$	Time Defl. .000"	PSIG Temp. Corr.
0	.000 32	.000		.000	63	.000		.000	84	.0265							
1	.0729 38*	.0265		.0603	67**	.0265		.0265	138	.0529							
2	.1391 42	.0531		.1272	71	.0529		.0529	231	.0794							
3	.2053 47	.0796		.1942	74	.0794		.0794	307	.1059							
4	.2715 52	.1061		.2611	78	.1059		.1059	357	.1323							
5	.3378 55	.1327		.3281	81	.1323		.1323	391	.1588							
6	.4040 59	.1592		.3950	84	.1588		.1588	415	.1853							
7		.1857				.1853		.1853	432	.2117							
8		.2123				.2117		.2117	443	.2382							
9		.2388				.2382		.2382	452	.2647							
10		.2653				.2647		.2647	459	.2912							
11		.2919				.2912		.2912	465	.3176							
12		.3184				.3176		.3176	469	.3441							
13		.3449				.3441		.3441	473	.3705							
14		.3715				.3705		.3705	476	.3970							
15		.3980				.3970		.3970	478								

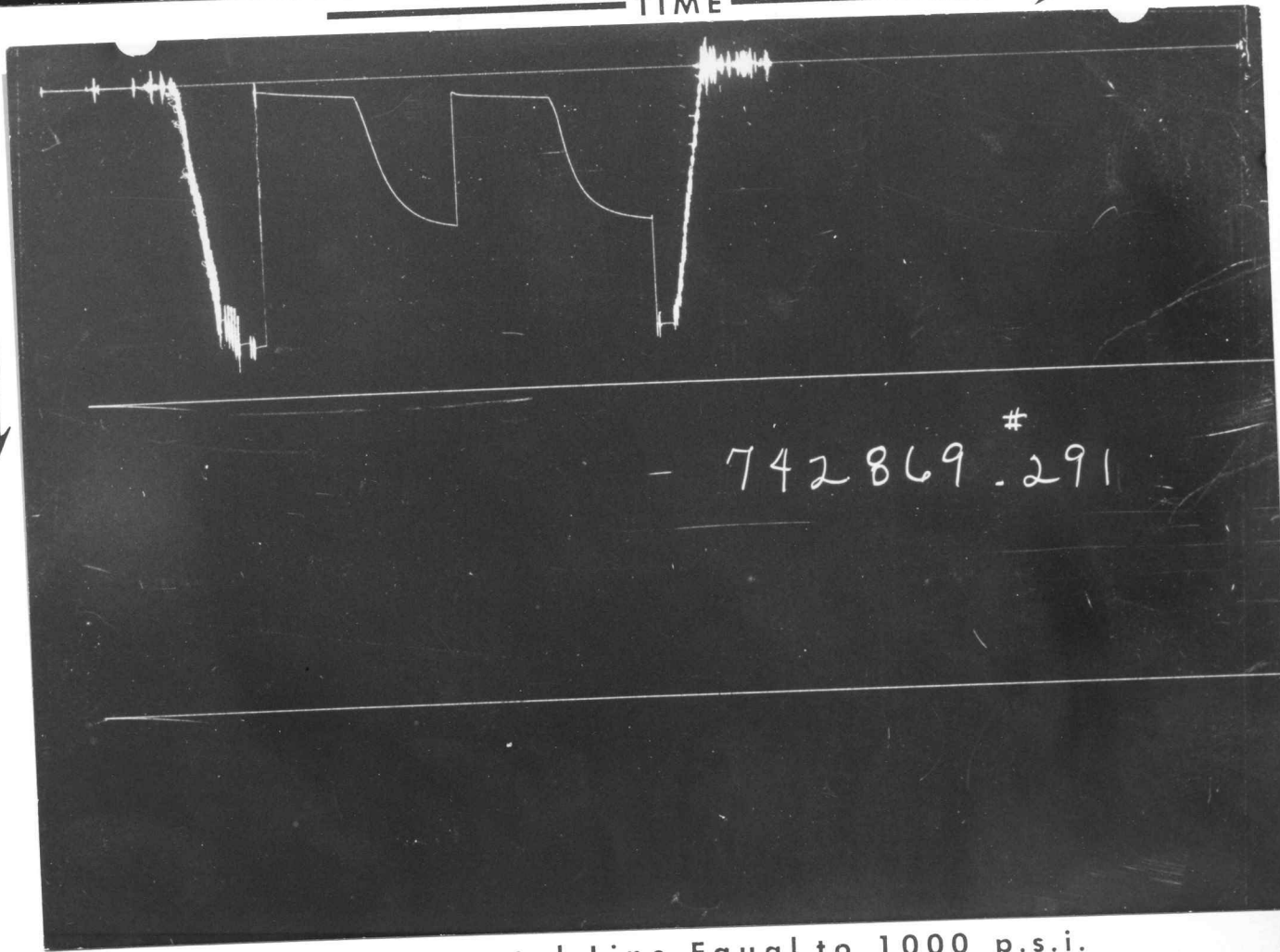
REMARKS: * INTERVAL = 11 MINUTES. ** INTERVAL = 9 MINUTES.

	O. D.	I. D.	LENGTH	DEPTH
Drill Pipe or Tubing	5 3/4"	2"	1'	
Reversing Sub				
Water Cushion Valve				
Drill Pipe	4 1/2"	3.826"	1190'	
Drill Collars * WEIGHT PIPE	4 1/2"	2.764"	339'	
Handling Sub & Choke Assembly	4 1/2"	3.826"	4'	
Dual CIP Valve	5"	3/4"	4'	1536'
Dual CIP Sampler				
Hydro-Spring Tester	5"	3/4"	4'	1540'
Multiple CIP Sampler				
Extension Joint				
AP Running Case	5"	2 1/4"	4'	1544'
Hydraulic Jar				
VR Safety Joint	5"	1"	3'	
Pressure Equalizing Crossover				
Packer Assembly	6 3/4"	2 1/4"	4'	1553'
Distributor				
Packer Assembly	6 3/4"	2 1/4"	4'	1558'
Flush Joint Anchor	5"	2 1/4"	26'	
Pressure Equalizing Tube				
Blanked-Off B.T. Running Case	5"	2 1/4"	4'	1584'
Drill Collars				
Anchor Pipe Safety Joint				
Packer Assembly				
Distributor				
Packer Assembly				
Anchor Pipe Safety Joint				
Side Wall Anchor				
Drill Collars				
Flush Joint Anchor				
Blanked-Off B.T. Running Case				
Total Depth				1588'



PRESSURE

TIME



Line Equal to 1000 p.s.i.

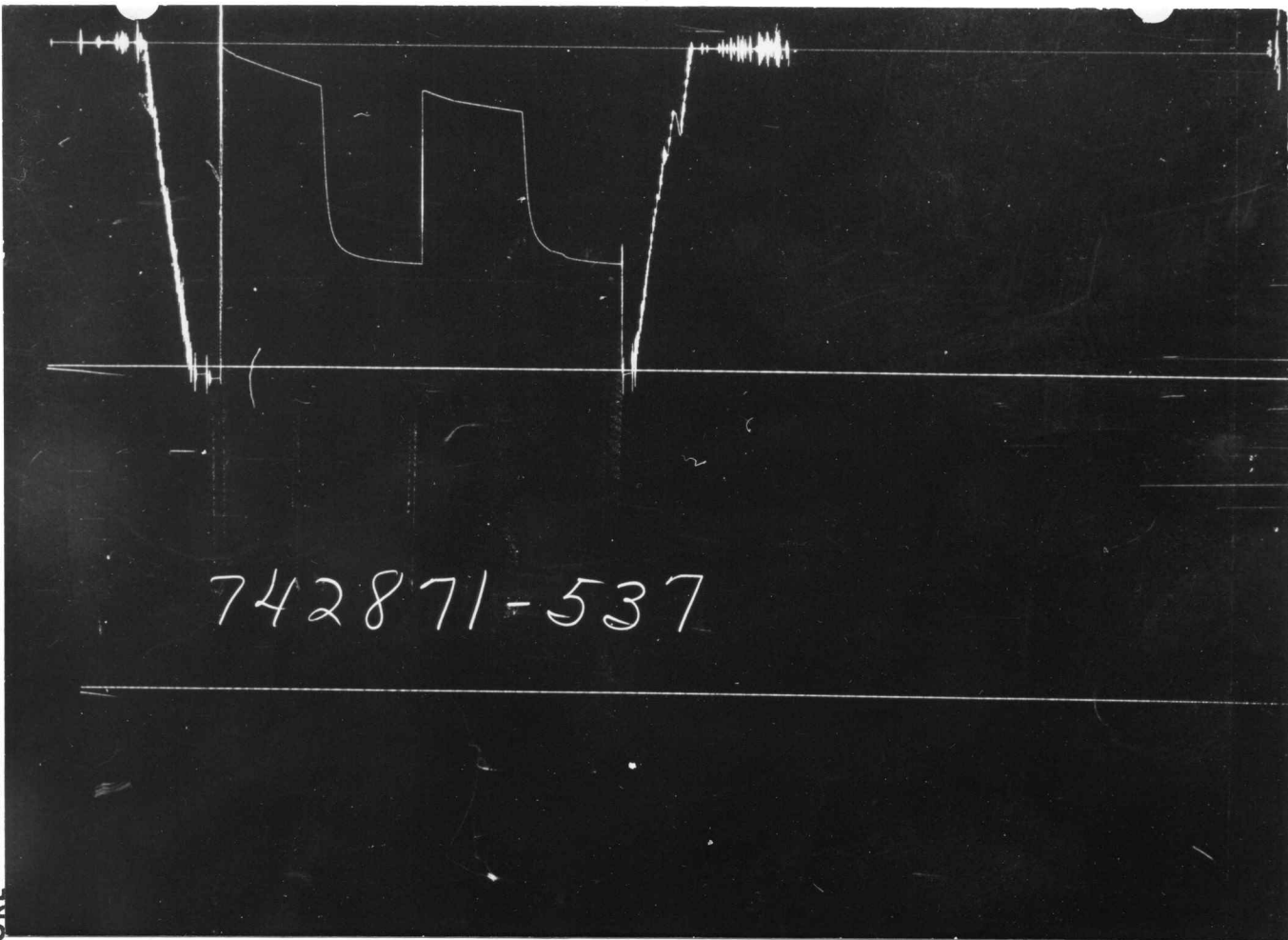
Gauge No. 537		Depth 1970'		Clock No. 4024		12 hour		Ticket No. 742871	
First Flow Period		First Closed In Pressure		Second Flow Period		Second Closed In Pressure		Third Flow Period	
Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.
$\text{Log } \frac{t + \theta}{\theta}$		$\text{Log } \frac{t + \theta}{\theta}$		$\text{Log } \frac{t + \theta}{\theta}$		$\text{Log } \frac{t + \theta}{\theta}$		$\text{Log } \frac{t + \theta}{\theta}$	
0	.0000 11	.0000	130	.0000	142	.0000	205		
1	.0667 41	.0404	560	.0665	158	.3096	550		
2	.1333 60	.0808	628	.1330	173	.0792	613		
3	.2000 79	.2121	648	.1995	181	.1188	633		
4	.2667 97	.1616	658	.2660	190	.1584	643		
5	.3333 114	.2020	665	.3325	197	.1980	657		
6	.4000 130	.2424	668	.3990	205	.2376	662		
7		.2828	672			.2772	665		
8		.3232	674			.3168	668		
9		.3636	676			.3564	670		
10		.4040	676			.3960	672		
11									
12									
13									
14									
15									

Gauge No. 291		Depth 2018'		Clock No. 3121		12 hour	
Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.
0	.0000 38	.0000	156	.0000	167	.0000	229
1	.0663 68	.0401	588	.0663	181	.3096	568
2	.1327 85	.0802	649	.1327	197	.0792	631
3	.1990 103	.1203	669	.1990	205	.1188	653
4	.2653 121	.1604	680	.2653	213	.1584	666
5	.3317 139	.2005	688	.3317	221	.1980	680
6	.3980 156	.2406	692	.3980	229	.2376	687
7		.2807	695			.2772	691
8		.3208	699			.3168	694
9		.3609	700			.3564	695
10		.4010	701			.3960	698
11							
12							
13							
14							
15							

Reading Interval	10	6	10	6	Minutes
REMARKS:					

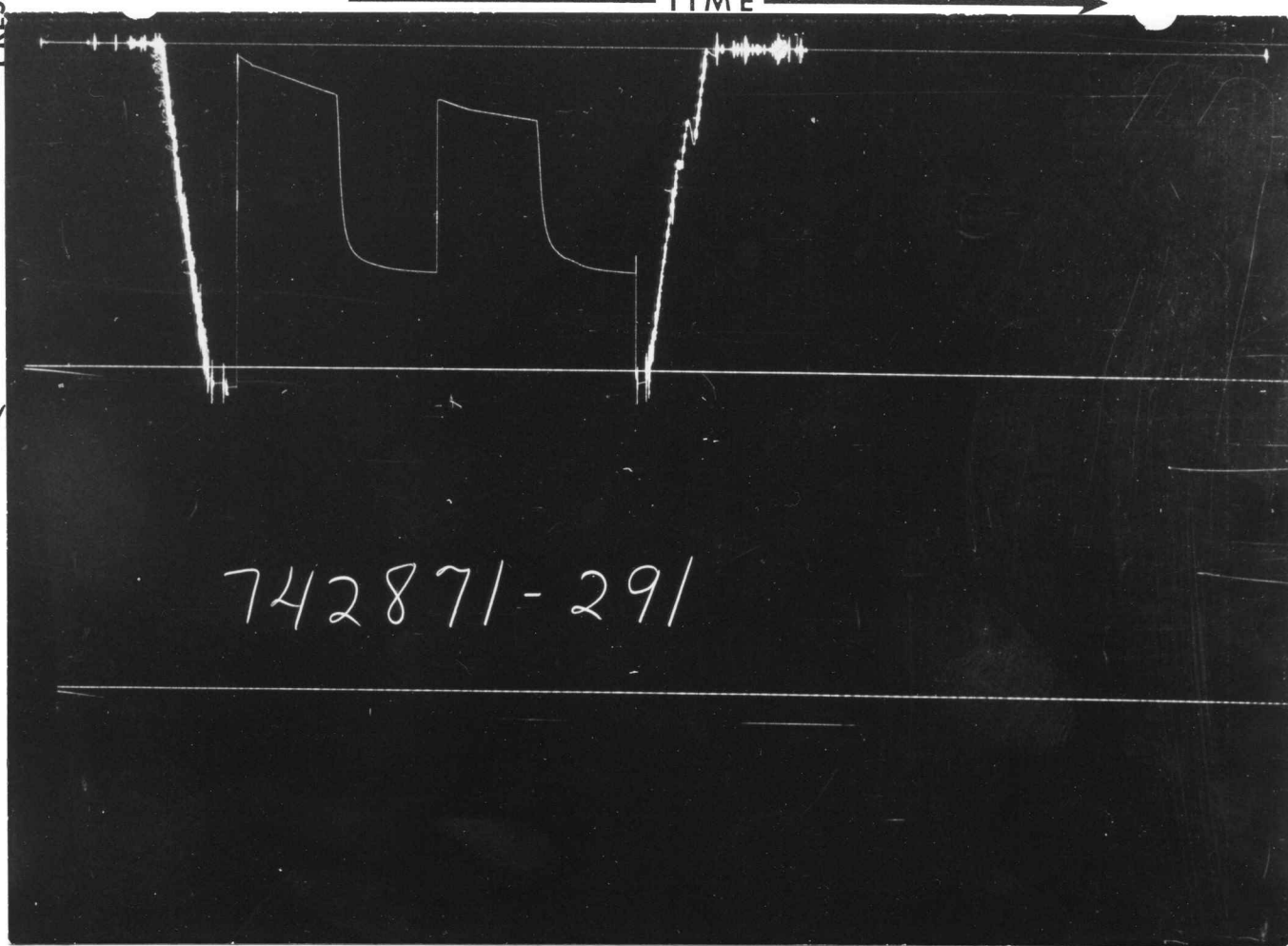


	O. D.	I. D.	LENGTH	DEPTH
Drill Pipe or Tubing				
Reversing Sub	5 3/4"	2"	1'	
Water Cushion Valve				
Drill Pipe	4 1/2"	3.826"	1616'	
Drill Collars	4 1/2" WP	2.764"	339'	
Handling Sub & Choke Assembly	4 1/2"	3.826"	4'	
Dual CIP Valve	5"	3/4"	4'	1962'
Dual CIP Sampler				
Hydro-Spring Tester	5"	3/4"	4'	1966'
Multiple CIP Sampler				
Extension Joint				
AP Running Case	5"	2 1/4"	4'	1970'
Hydraulic Jar				
VR Safety Joint	5"	1"	3'	
Pressure Equalizing Crossover				
Packer Assembly	6 3/4"	2 1/4"	4'	1979'
Distributor				
Packer Assembly	6 3/4"	2 1/4"	4'	1984'
Flush Joint Anchor	5"	2 1/4"	34'	
Pressure Equalizing Tube				
Blanked-Off B.T. Running Case	5"	2 1/4"	4'	2018'
Drill Collars				
Anchor Pipe Safety Joint				
Packer Assembly				
Distributor				
Packer Assembly				
Anchor Pipe Safety Joint				
Side Wall Anchor				
Drill Collars				
Flush Joint Anchor				
Blanked-Off B.T. Running Case				
Total Depth				2022'



PRESSURE

TIME



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

Casing perms. _____ Bottom choke _____ Surf. temp _____ °F Ticket No. 792547
Gas gravity _____ Oil gravity _____ GOR _____
Spec. gravity _____ Chlorides _____ ppm Res. _____ @ _____ °F

INDICATE TYPE AND SIZE OF GAS MEASURING DEVICE USED.

[illegible]

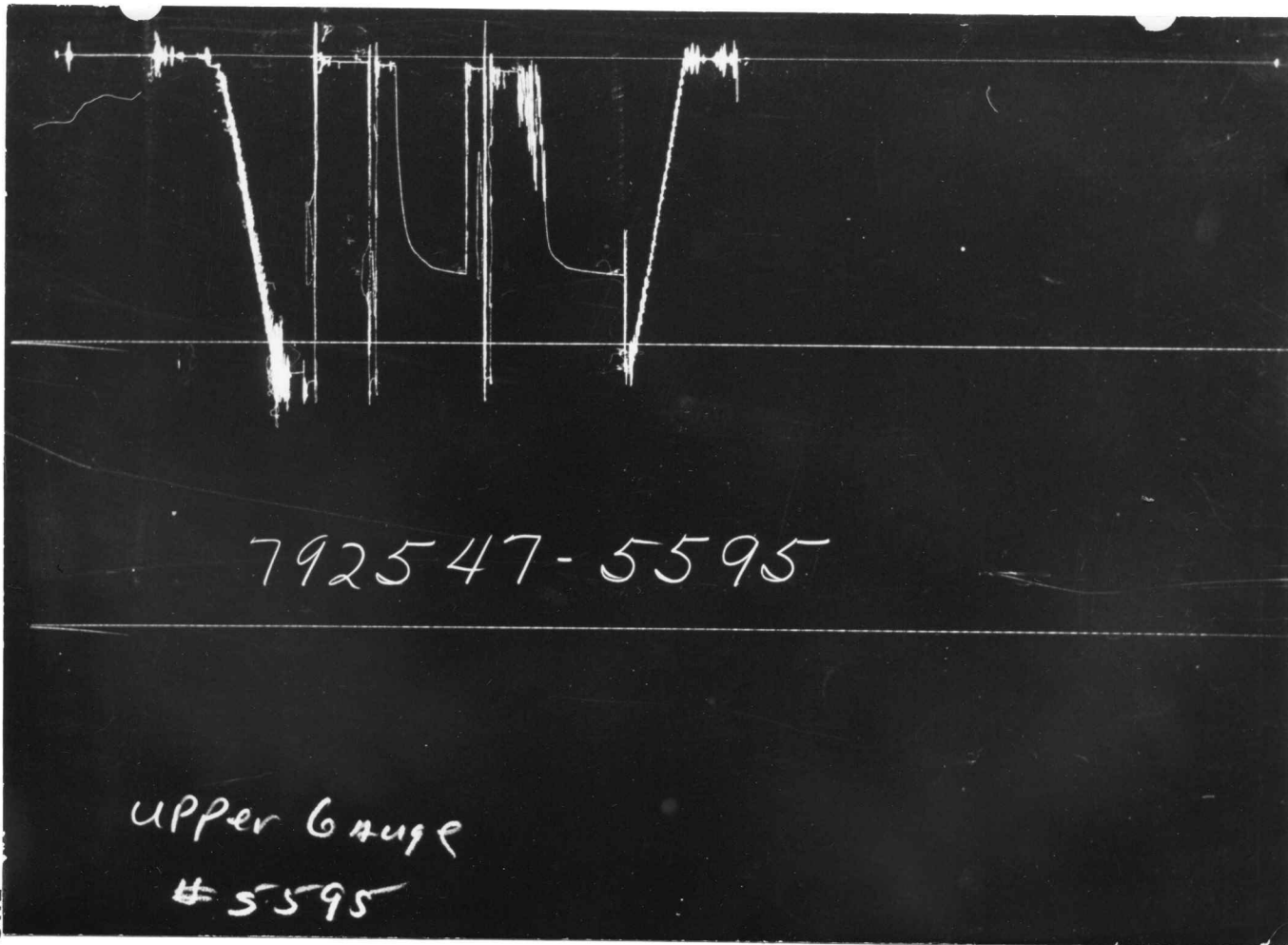
Gauge No. 5595		Depth 2153'		Clock No. ???		12 hour		Ticket No. 792547	
First Flow Period		First Closed In Pressure		Second Flow Period		Second Closed In Pressure		Third Flow Period	
Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	$\text{Log } \frac{t + \theta}{\theta}$	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	$\text{Log } \frac{t + \theta}{\theta}$	Time Defl. .000"	PSIG Temp. Corr.
0 .0000	12	.0000		.0000	36	.0000			
1 .0469	15*	.0335		.0400	40 BB**	.0407			
2 .1005	20	.0604		.0934	44 AB	.0678			
3 .1541	20	.0872		.1468	47	.0950			
4 .2078	20 BB	.1140		.2002	50	.1221			
5 .2614	30 AB	.1409		.2536	50	.1492			
6 .3150	32	.1677		.3070	326	.1763			
7		.1945				.2035			
8		.2213				.2306			
9		.2482				.2577			
10		.2750				.2849			
11						.3120			
12									
13									
14									
15									

Gauge No. 5594		Depth 2206'		Clock No. ???		12 hour	
Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	$\text{Log } \frac{t + \theta}{\theta}$	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.
0 .0000	41	.0000		.0000	193	.0000	713
1 .3180	518	.0329		.2960	713	.0410	739***
2		.0593				.0683	749
3 PLUGGING...		.0856		PLUGGING...		.0956	760
4		.1119				.1229	762
5		.1383				.1502	766
6		.1646				.1775	770
7		.1910				.2048	774
8		.2173				.2321	777
9		.2437				.2594	779
10		.2700				.2867	781
11						.3140	783
12							
13							
14							
15							

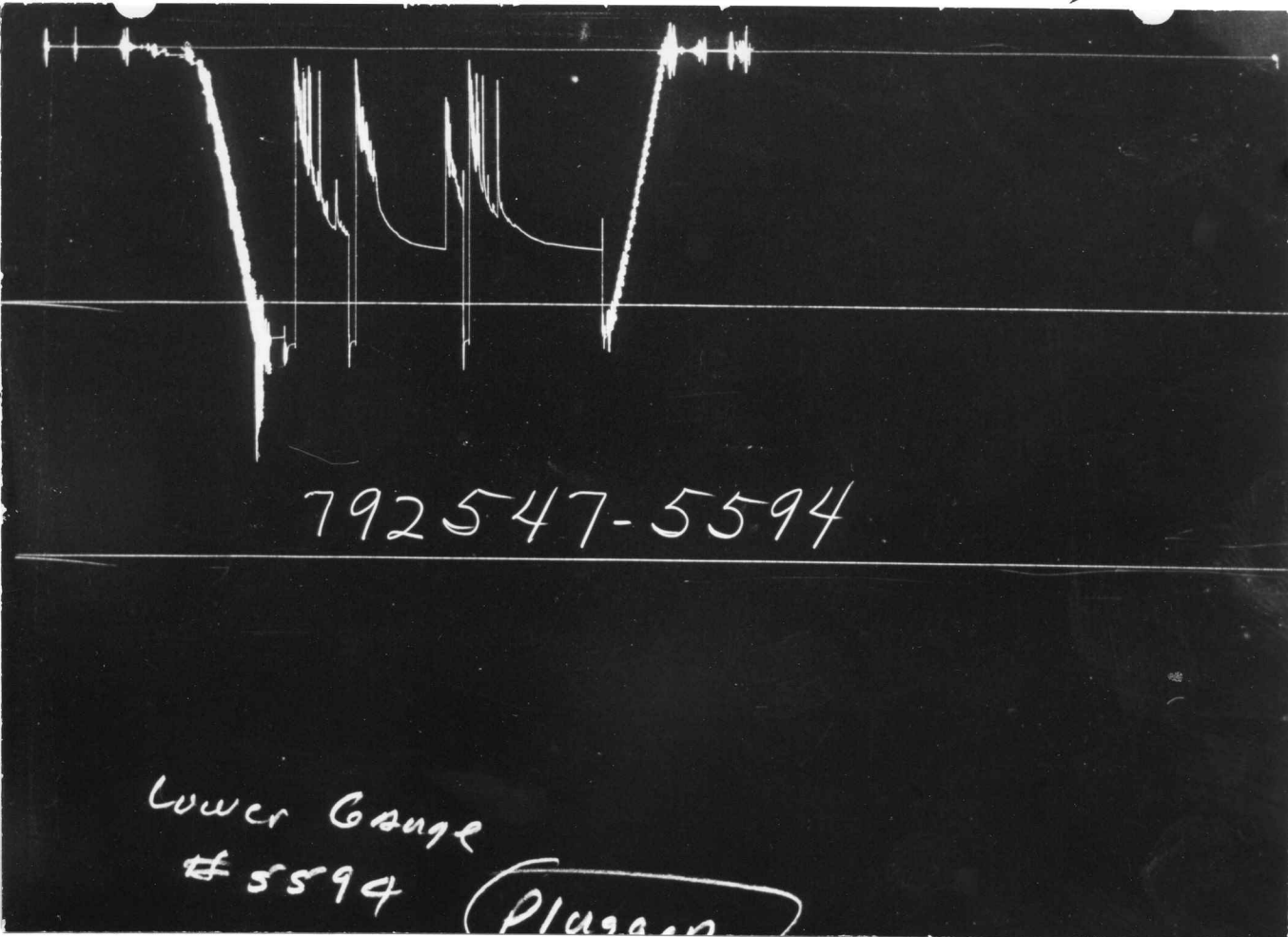
Reading Interval 8		4		8		4		Minutes	
REMARKS:		*Interval = 7 minutes		**Interval = 5 minutes		***Interval = 6 minutes			
		BB = Before by-passing		AB = After by-passing					

	O. D.	I. D.	LENGTH	DEPTH
Drill Pipe or Tubing				
Reversing Sub	5 3/4"	3 1/2"	1'	
Water Cushion Valve				
Drill Pipe	4 1/2"	3.826"	2136'	
Drill Collars	6 1/4"	2 1/4"	None	
Handling Sub & Choke Assembly	4 1/2"	3 1/2"	5'	
Dual CIP Valve	5"	3/4"	5'	2143'
Dual CIP Sampler				
Hydro-Spring Tester	5"	3/4"	5'	2148'
Multiple CIP Sampler				
Extension Joint				
AP Running Case	5"	1 3/4"	5'	2153'
Hydraulic Jar				
VR Safety Joint	5"	1"	5'	
Pressure Equalizing Crossover				
Packer Assembly	6 3/4"	1 1/2"	5'	2163'
Distributor				
Packer Assembly	6 3/4"	1 1/2"	4'	2168'
			1' Tail	
Flush Joint Anchor				
Pressure Equalizing Tube				
Blanked-Off B.T. Running Case				
Drill Pipe	4 1/2"	3.826"	29'	
Drill Collars				
Anchor Pipe Safety Joint				
Packer Assembly				
Distributor				
Packer Assembly				
Anchor Pipe Safety Joint				
Side Wall Anchor				
Drill Collars				
Flush Joint Anchor	4 9/16"	2 1/2"	5'	
Blanked-Off B.T. Running Case	4 9/16"	2 1/2"	4'	2206'
Total Depth				2210'

PRESSURE



TIME



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

FLUID SAMPLE DATA				Date		Ticket Number	
Sampler Pressure _____ P.S.I.G. at Surface				9-19-75		742872	
Recovery: Cu. Ft. Gas _____				Kind of Job		Halliburton District	
cc. Oil _____				OPEN HOLE		WINFIELD	
cc. Water _____				Tester		Witness	
cc. Mud _____				J. DURHAM		MR. ELSTER	
Tot. Liquid cc. _____				Drilling Contractor		COMPANY TOOLS SM S	
Gravity _____ ° API @ _____ °F.				EQUIPMENT & HOLE DATA			
Gas/Oil Ratio _____ cu. ft./bbl.				Formation Tested _____ Oswego Lime			
RESISTIVITY _____ CHLORIDE CONTENT _____				Elevation _____ 1258' Kelly bushing Ft.			
Recovery Water _____ @ _____ °F. _____ ppm				Net Productive Interval _____ 28' Ft.			
Recovery Mud _____ @ _____ °F. _____ ppm				All Depths Measured From _____ Kelly bushing			
Recovery Mud Filtrate _____ @ _____ °F. _____ ppm				Total Depth _____ 2520' Ft.			
Mud Pit Sample _____ @ _____ °F. _____ ppm				Main Hole/Casing Size _____ 7 7/8"			
Mud Pit Sample Filtrate _____ @ _____ °F. _____ ppm				Drill Collar Length _____ - I.D.			
Mud Weight 9.9 vis 50 cp				Drill Pipe Length _____ 2084-339' I.D. 3.826 - 2.764"			
				Packer Depth(s) _____ 2448-2453' Ft.			
				Depth Tester Valve _____ 2435' Ft.			
TYPE		AMOUNT		DCIP Valve		Surface	
Cushion				2431'		Choke 1/4" Bottom Choke 3/4"	
Recovered	10	Feet of gas cut drilling mud					
Recovered	300	Feet of slightly oil & gas cut drilling mud					
Recovered	300	Feet of slightly oil & gas cut muddy salt water					
Recovered		Feet of					
Recovered		Feet of					
Remarks Tool opened for 59 minute first flow period with a strong blow. Closed tool for 60 minute first closed in pressure period. Tool reopened for 61 minute second flow with a strong blow with gas. Closed tool for 60 minute second closed in pressure. Charts indicate possible partial plugging during initial flow period.							
TEMPERATURE	Gauge No. 537		Gauge No. 291		Gauge No.		TIME
	Depth: 2439 Ft.		Depth: 2516 Ft.		Depth: _____ Ft.		
Est. 100 °F.	12 Hour Clock		12 Hour Clock		Hour Clock		Tool A.XX
	Blanked Off no		Blanked Off yes		Blanked Off		Opened 1:50 P.M.
Actual °F.	Pressures		Pressures		Pressures		Opened A.XX
	Field	Office	Field	Office	Field	Office	Bypass 5:50 P.M.
Initial Hydrostatic	-	1247	-	1288			Reported Minutes
First Period Flow	Initial	47	52	107			Computed Minutes
	Final	157	182	205			
	Closed in	909	908	932			60 59
Second Period Flow	Initial	157	155	230			
	Final	251	242	265			60 61
	Closed in	909	902	925			60 60
Third Period Flow	Initial						
	Final						
Final Hydrostatic	-	1219	-	1255			

Casing perms. _____ Bottom choke 3/4" Surf. temp. _____ °F Ticket No. 742872
 Gas gravity _____ Oil gravity _____ GOR _____
 Spec. gravity _____ Chlorides _____ ppm Res. _____ @ _____ °F
 INDICATE TYPE AND SIZE OF GAS MEASURING DEVICE USED 2" Merla Orifice well tester

Date Time	a.m. p.m.	Choke Size	Surface Pressure psi	Gas Rate MCF	Liquid Rate BPD	Remarks
9-19-75						
1115						On location-rig came out of hole with drill pipe.
1220						Picked up and made up tools.
1255						Started tools in hole.
1350		1/4"				Opened tool with strong blow with
1400		3/8"	11	69.4		gas to the surface in 3 minutes.
1410		"	19	93.3		
1420		"	20	100		
1430		"	21	104		
1440		"	21	104		
1450		"	21	104		Closed tool for first CIP period.
1550						Reopened for second flow period with
1600		3/4"	7	211		a strong blow with gas
1610		"	5	175		
1620		"	5	175		
1630		"	5	175		
1640		"	5	175		
1650		"	5	175		Closed tool for second CIP period.
1750						Started out of hole with test.

Gauge No. 537		Depth 2439'		Clock No. 4204		12 hour		Ticket No. 742872	
First Flow Period		First Closed In Pressure		Second Flow Period		Second Closed In Pressure		Third Flow Period	
Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	$\log \frac{t+\theta}{\theta}$	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	$\log \frac{t+\theta}{\theta}$	Time Defl. .000"	PSIG Temp. Corr.
0	.0000 52	.0000		.0000	155	.0000			
1	.0603* 69	.0267		.0723** 167		.0265			
2	.1273 83	.0535		.1381 186		.0529			
3	.1943 100	.0802		.2038 204		.0794			
4	.2613 131	.1069		.2695 219		.1059			
5	.3283 164	.1337		.3353 231		.1324			
6	.3950 182	.1604		.4010 242		.1588			
7		.1871				.1853			
8		.2138				.2118			
9		.2406				.2382			
10		.2673				.2647			
11		.2940				.2912			
12		.3208				.3176			
13		.3475				.3441			
14		.3742				.3706			
15		.4010				.3970			

Gauge No. 291		Depth 2516'		Clock No. 3121		12 hour	
Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.
0	.0000 107	.0000		.0000	230		
1	.0598* 100	.0265		.0721** 188			
2	.1262 101	.0531		.1377 208			
3	.1927 135	.0796		.2033 224			
4	.2591 158	.1061		.2688 240			
5	.3256 189	.1327		.3344 252			
6	.3920 205	.1592		.4000 265			
7		.1857					
8		.2122					
9		.2388					
10		.2653					
11		.2918					
12		.3184					
13		.3449					
14		.3714					
15		.3980					

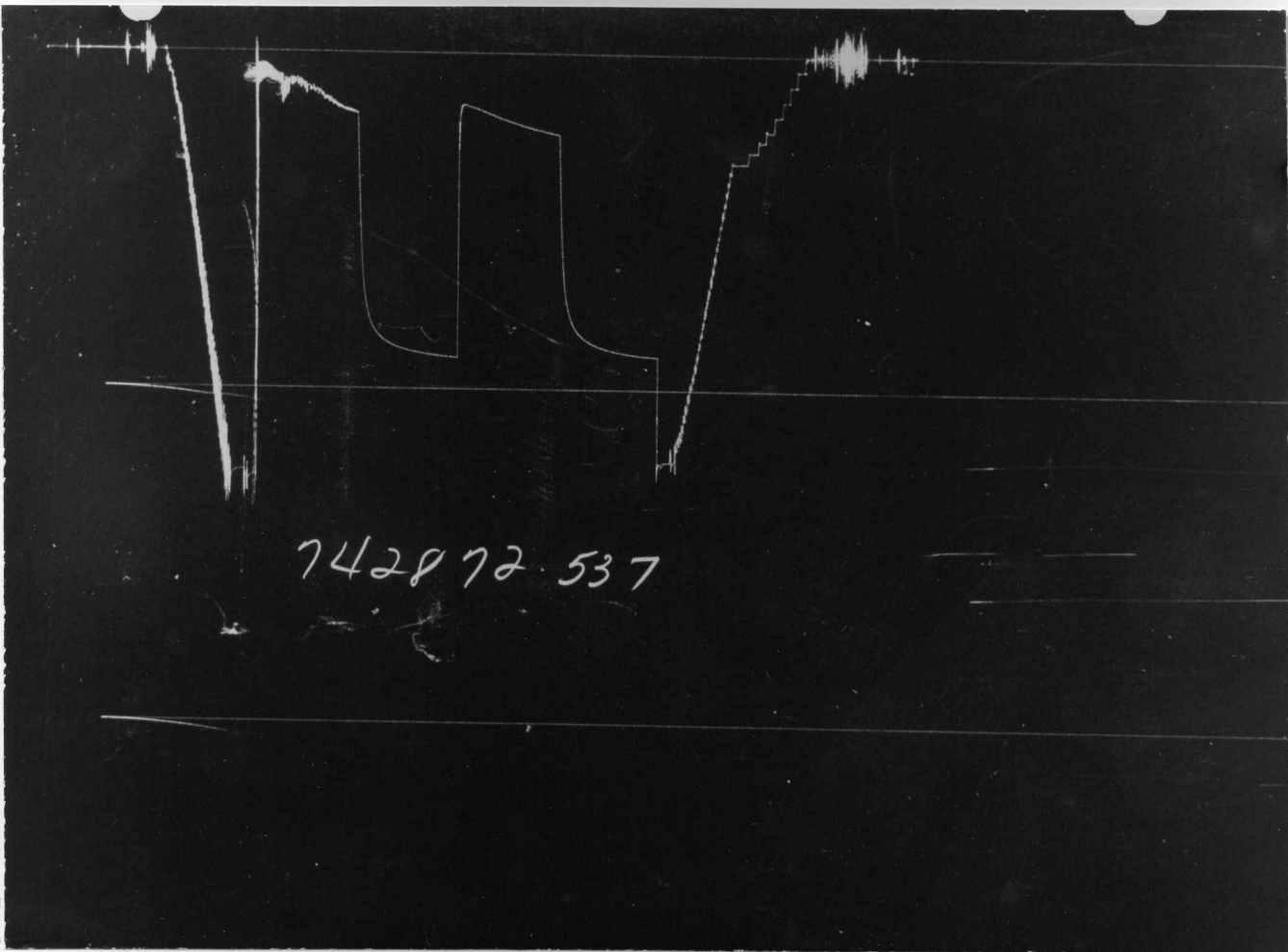
Gauge No. 10		Depth 4		Clock No. 4		12 hour	
Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.
0	.0000	.0000		.0000	265		
1	.0598*	.0265		.0265	735		
2	.1262	.0531		.0531	823		
3	.1927	.0796		.0796	856		
4	.2591	.1061		.1061	874		
5	.3256	.1327		.1327	886		
6	.3920	.1592		.1592	895		
7		.1857		.1857	901		
8		.2122		.2122	908		
9		.2388		.2388	911		
10		.2653		.2653	914		
11		.2918		.2918	917		
12		.3184		.3184	920		
13		.3449		.3449	921		
14		.3714		.3714	924		
15		.3980		.3980	925		

Reading Interval 10		Depth 4		Clock No. 4		12 hour	
Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.
0	.0000	.0000		.0000	265		
1	.0598*	.0265		.0265	735		
2	.1262	.0531		.0531	823		
3	.1927	.0796		.0796	856		
4	.2591	.1061		.1061	874		
5	.3256	.1327		.1327	886		
6	.3920	.1592		.1592	895		
7		.1857		.1857	901		
8		.2122		.2122	908		
9		.2388		.2388	911		
10		.2653		.2653	914		
11		.2918		.2918	917		
12		.3184		.3184	920		
13		.3449		.3449	921		
14		.3714		.3714	924		
15		.3980		.3980	925		

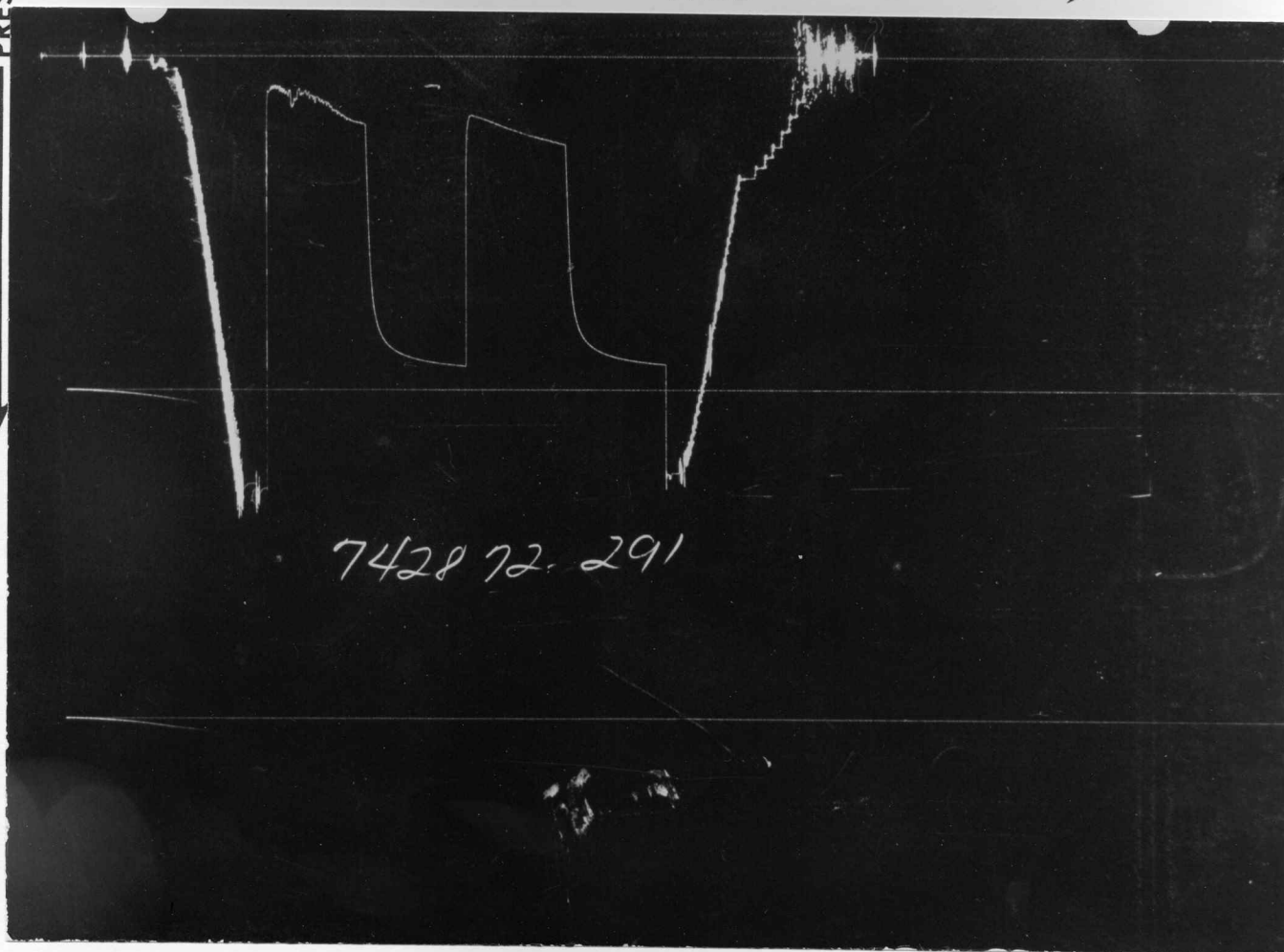
REMARKS:		*First interval is equal to 9 minutes. ** First interval is equal to 11 minutes.	

	O. D.	I. D.	LENGTH	DEPTH
Drill Pipe or Tubing				
Reversing Sub	5 3/4"	2"	1'	
Water Cushion Valve				
Drill Pipe	4 1/2"	3.826"	2084'	
Drill Collars... Weight Pipe.....	4 1/2"	2.764"	339'	
Handling Sub & Choke Assembly	4 1/2"	3.826"	4'	
Dual CIP Valve	5"	3/4"	4'	2431'
Dual CIP Sampler				
Hydro-Spring Tester	5"	3/4"	4'	2435'
Multiple CIP Sampler				
Extension Joint				
AP Running Case	5"	2 1/4"	4'	2439'
Hydraulic Jar				
VR Safety Joint	5"	1"	3'	
Pressure Equalizing Crossover				
Packer Assembly	6 3/4"	2 1/4"	4'	2448'
Distributor				
Packer Assembly	6 3/4"	2 1/4"	4'	2453'
Flush Joint Anchor	5"	2 1/4"	64'	
Pressure Equalizing Tube				
Blanked-Off B.T. Running Case	5"	2 1/4"	4'	2516'
Drill Collars				
Anchor Pipe Safety Joint				
Packer Assembly				
Distributor				
Packer Assembly				
Anchor Pipe Safety Joint				
Side Wall Anchor				
Drill Collars				
Flush Joint Anchor				
Blanked-Off B.T. Running Case				
Total Depth				2520'

PRESSURE



PRESSURE



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