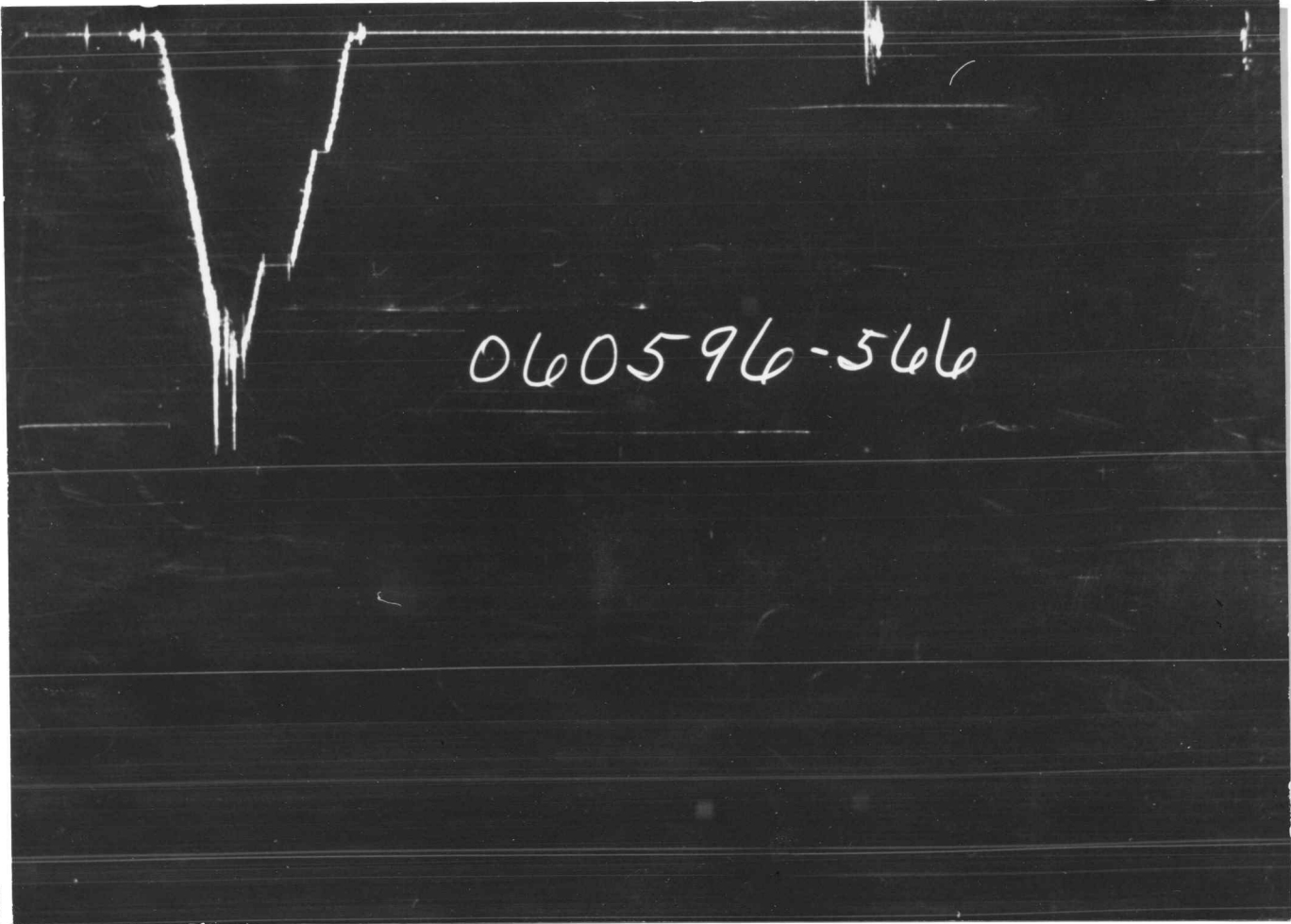


FLUID SAMPLE DATA				Date 11-19-75		Ticket Number 060596	
Sampler Pressure _____ P.S.I.G. at Surface				Kind of Job OPEN HOLE		Halliburton District WINFIELD	
Recovery: Cu. Ft. Gas _____				Tester MR. DURHAM		Witness MR. ELSTER	
cc. Oil _____				Drilling Contractor COMPANY TOOLS BC			
cc. Water _____				EQUIPMENT & HOLE DATA			
cc. Mud _____				Formation Tested Layton Sand			
Tot. Liquid cc. _____				Elevation 1087' KB Ft.			
Gravity _____ ° API @ _____ °F.		Gas/Oil Ratio _____ cu. ft./bbl.		Net Productive Interval _____ Ft.			
		RESISTIVITY _____ CHLORIDE CONTENT _____		All Depths Measured From Kelly Bushing			
Recovery Water _____ @ _____ °F. _____ ppm		Recovery Mud _____ @ _____ °F. _____ ppm		Total Depth 2584' Ft.			
Recovery Mud Filtrate _____ @ _____ °F. _____ ppm		Mud Pit Sample _____ @ _____ °F. _____ ppm		Main Hole/Casing Size 7 7/8"			
Mud Pit Sample Filtrate _____ @ _____ °F. _____ ppm		Mud Weight 9.7 vis 38 cp		Drill Collar Length 220' I.D. 2 1/4"			
				Drill Pipe Length 244' WP I.D. 2.764"-3.826"			
				Packer Depth(s) 2570' - 2575' Ft.			
				Depth Tester Valve 2557' Ft.			
Cushion TYPE AMOUNT		DCIP VALVE		Surface Choke 1/4"		Bottom Choke 3/4"	
Recovered Feet of		Depth Back Pres. Valve 2553'					
Recovered Feet of						Field Area	
Recovered Feet of						Med. From Tester Valve	
Recovered Feet of						NIGGER CREEK	
Recovered Feet of						Test No. MIS 1111	
Remarks LACKED 160' GETTING TO BOTTOM.....						Tested Interval	
						County	
						COWLEY	
TEMPERATURE		Gauge No. 566		Gauge No. 239		Gauge No.	
Depth: _____ Ft.		Depth: _____ Ft.		Depth: _____ Ft.		TIME	
Est. 100 °F.		12 Hour Clock		12 Hour Clock		Tool A.M.	
Blanked Off NO		Blanked Off YES		Blanked Off		Opened P.M.	
Actual °F.		Pressures		Pressures		Opened A.M.	
		Field Office		Field Office		Bypass P.M.	
Initial Hydrostatic						Reported Minutes	
Flow Initial		FAILED TO REACH BOTTOM.....				Computed Minutes	
Flow Final							
Closed in		NO READINGS AVAILABLE.....					
Flow Initial							
Flow Final							
Closed in							
Flow Initial							
Flow Final							
Closed in							
Final Hydrostatic							

Legal Location Sec. - Twp. - Rng. C SE/SW 15 - 34S - 2E
 Lease Name O'BRIEN
 Well No. 2
 Test No. MIS 1111
 Tested Interval
 County COWLEY
 State KANSAS
 Lease Owner/Company Name EUFOLA ENTERPRISES, INCORPORATED

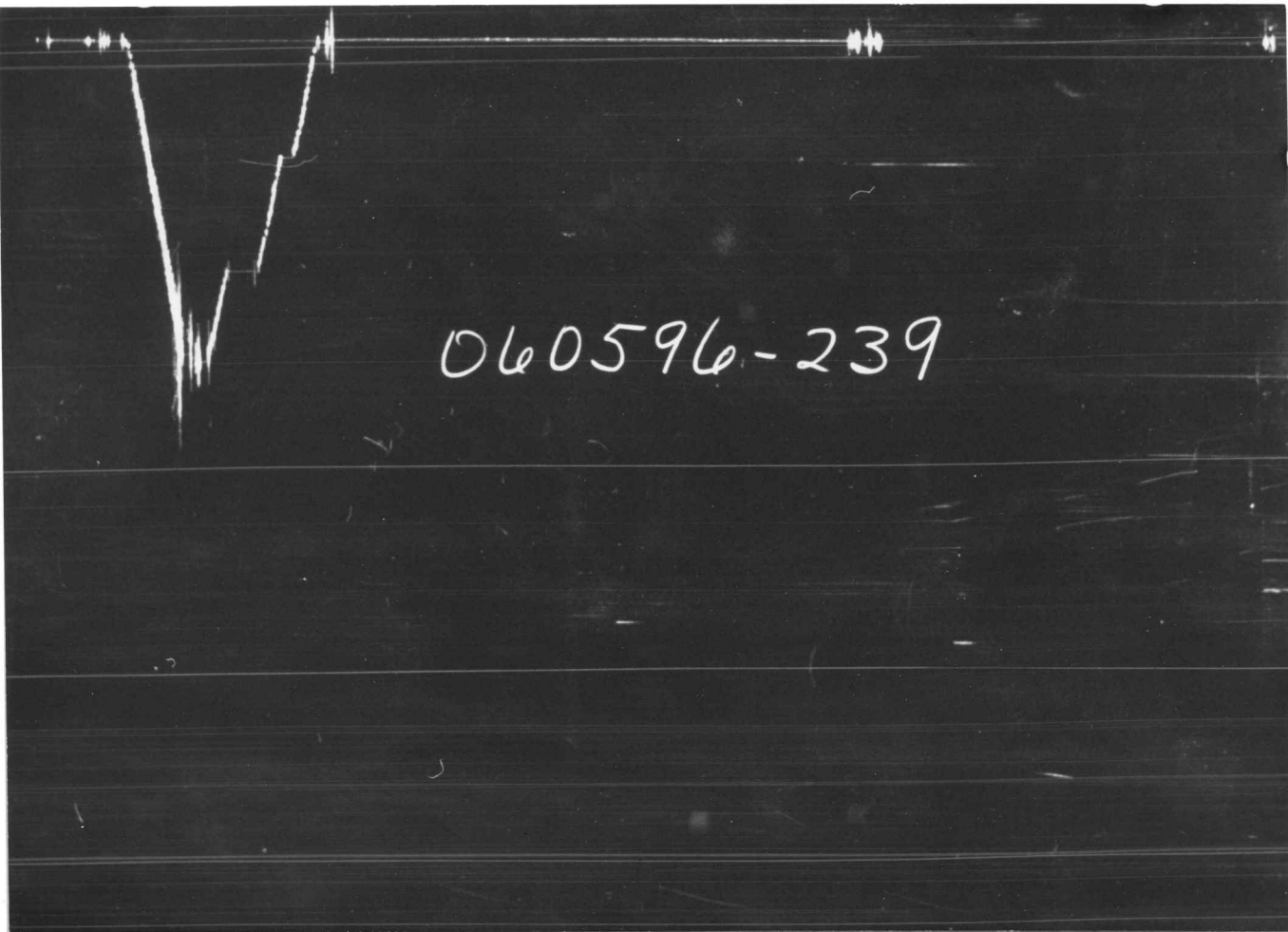
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	O. D.	I. D.	LENGTH	DEPTH
Drill Pipe or Tubing	5 3/4"	2"	1'	
Reversing Sub				
Water Cushion Valve	4 1/2"	3.826"	-	
Drill Pipe Weight pipe	4 1/2"	2.764"	244'	
Drill Collars	6 1/4"	2 1/4"	220'	
Handling Sub & Choke Assembly	4 1/2"	3.826"	4'	
Dual CIP Valve	5"	3/4"	4'	
Dual CIP Sampler				
Hydro-Spring Tester	5"	3/4"	4'	
Multiple CIP Sampler				
Extension Joint				
AP Running Case	5"	2 1/2"	4'	
Hydraulic Jar				
VR Safety Joint	5"	1"	3'	
Pressure Equalizing Crossover				
Packer Assembly	6 3/4"	2 1/2"	4'	
Distributor				
Packer Assembly	6 3/4"	2 1/2"	4'	
Flush Joint Anchor	5"	2 1/2"	5'	
Pressure Equalizing Tube				
Blanked-Off B.T. Running Case	5"	2 1/2"	4'	
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				2584'



PRESSURE

TIME



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

FLUID SAMPLE DATA				Date 11-20-75	Ticket Number 060597
Sampler Pressure _____ P.S.I.G. at Surface				Kind of Job OPEN HOLE TEST	Halliburton District WINFIELD
Recovery: Cu. Ft. Gas _____				Tester MR. DURHAM	Witness MR. ELSTER
cc. Oil _____				Drilling Contractor COMPANY TOOLS PW S	
cc. Water _____				EQUIPMENT & HOLE DATA	
cc. Mud _____				Formation Tested Layton Sand	
Tot. Liquid cc. _____				Elevation 1087' K.B.	Ft.
Gravity _____ ° API @ _____ °F.	RESISTIVITY		CHLORIDE CONTENT	Net Productive Interval 9'	Ft.
Gas/Oil Ratio _____ cu. ft./bbl.				All Depths Measured From Kelly Bushing	
Recovery Water _____ @ _____ °F. _____ ppm				Total Depth 2584'	Ft.
Recovery Mud _____ @ _____ °F. _____ ppm				Main Hole/Casing Size 7 7/8"	
Recovery Mud Filtrate _____ @ _____ °F. _____ ppm				Drill Collar Length 220'	I.D. 2 1/4"
Mud Pit Sample _____ @ _____ °F. _____ ppm				Drill Pipe Length 2082' - 244'	I.D. 3.826" - 2.764" WP
Mud Pit Sample Filtrate _____ @ _____ °F. _____ ppm				Packer Depth(s) 2570' - 2575'	Ft.
Mud Weight 9.7 vis 42 cp				Depth Tester Valve 2557'	Ft.

TYPE	AMOUNT	Depth Back Pres. Valve	Surface Choke	Bottom Choke
Cushion			1/4"	3/4"

Recovered	100	Feet of	Very slightly oil cut mud.
Recovered		Feet of	
Recovered		Feet of	
Recovered		Feet of	
Recovered		Feet of	

Remarks Opened tool for a 61 minute first flow period with a weak blow throughout. Closed tool for a 58 minute initial closed in pressure period. Reopened tool for a 121 minute second flow period with a very weak blow throughout. CHARTS INDICATE PARTIAL PLUGGING OF ANCHOR PERFORATIONS DURING INITIAL FLOW PERIOD - TOOLS FAILED TO CLOSE FOR FINAL CLOSED IN PRESSURE.

TEMPERATURE	Gauge No. 566		Gauge No. 239		Gauge No.		TIME	
	Depth:	2561' Ft.	Depth:	2580' Ft.	Depth:	Ft.		
Est. 100 °F.	12	Hour Clock	12	Hour Clock		Hour Clock	Tool	A.M.
	Blanked Off	No	Blanked Off	Yes	Blanked Off		Opened	6:05 P.M.
Actual °F.	Pressures		Pressures		Pressures		Opened	A.M.
	Field	Office	Field	Office	Field	Office	Bypass	10:05 P.M.
Initial Hydrostatic	1305	1343		1352			Reported	Computed
							Minutes	Minutes
First Period Flow	Initial	9.9	17	54				
	Final	19.8	25	140			60	61
	Closed in	901.1	886	898			60	58
Second Period Flow	Initial	19.8	30	84				
	Final	39.6	55	78			60	121
	Closed in						60	
Third Period Flow	Initial							
	Final							
	Closed in							
Final Hydrostatic	1305	1329		1339				

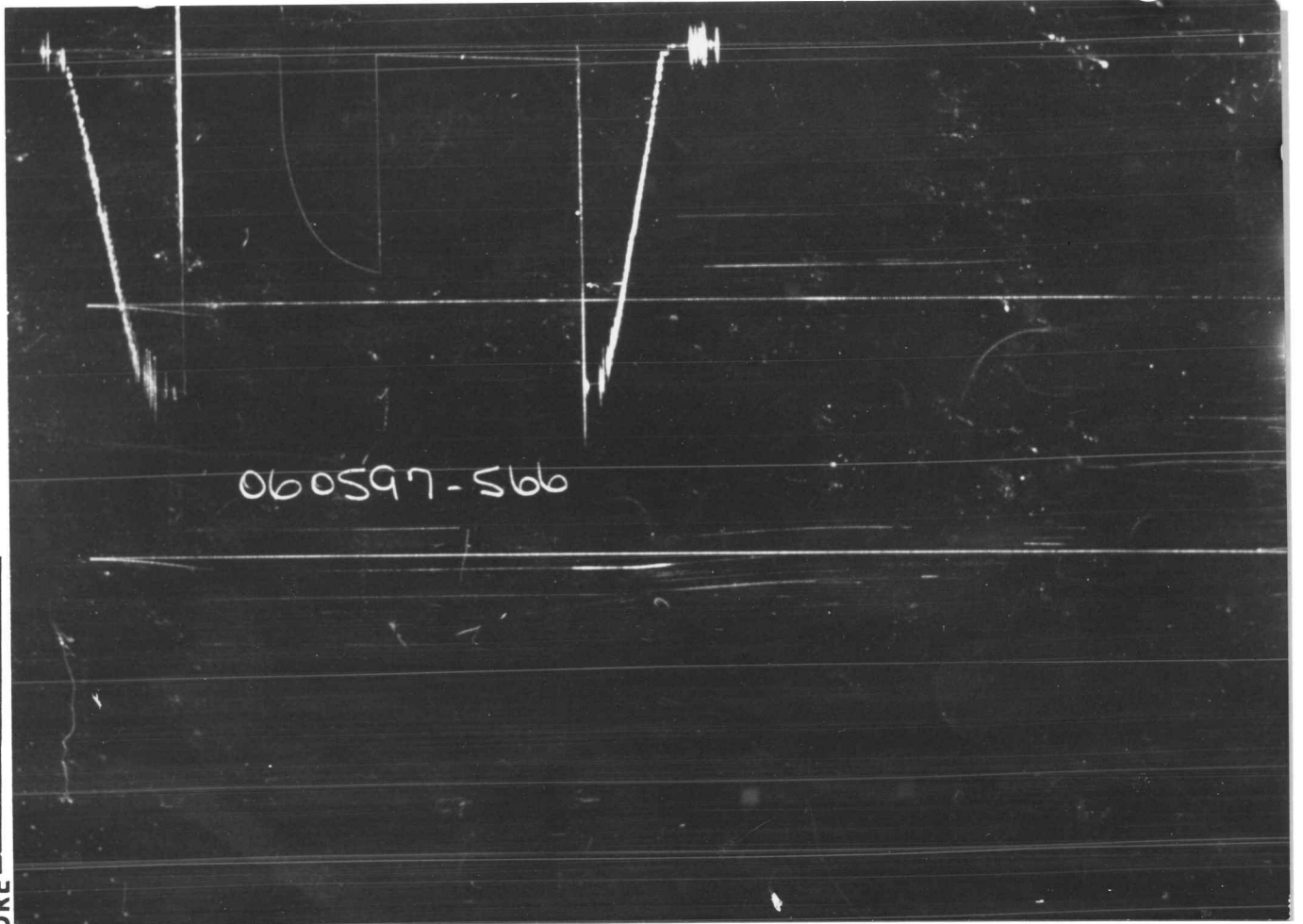
Legal Location Sec. - Twp. - Rng. C/SE/SW 15 - 34S - 2E
 Well No. NIGGER CREEK
 Field Area
 Meq. From Tester Valve
 Tested Interval
 County COWLEY
 State KANSAS
 Lease Owner/Company Name

Gauge No. 566		Depth 2561'		Clock No. 4204		Ticket No. 060597	
First Flow Period		First Closed In Pressure		Second Flow Period		Second Closed In Pressure	
Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.
$\text{Log } \frac{t + \theta}{\theta}$		$\text{Log } \frac{t + \theta}{\theta}$		$\text{Log } \frac{t + \theta}{\theta}$		$\text{Log } \frac{t + \theta}{\theta}$	
Third Flow Period		Third Closed In Pressure		Third Flow Period		Third Closed In Pressure	
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	.000	17	25	.000	30		
1	.0721*	18	438	.1072***	33		
2	.1377	19	595	.2078	37		
3	.2033	21	690	.3083	40		
4	.2688	22	752	.4089	43		
5	.3344	23	793	.5094	46		
6	.4000	25	822	.6099	49		
7			845	.7105	52		
8			863	.8110	55		
9			875				
10			886				
11							
12							
13							
14							
15							
Gauge No. 239		Depth 2580'		Clock No. 3121		12 hour	
0	.000	54	140	.000	84		
1	.406	140	487	.1057***	56		
2			624	.2047	62		
3			710	.3038	65		
4			767	.4028	69		
5	PLUGGING		807	.5019	71		
6			835	.6009	72		
7			857	.7000	74		
8			875	.7990	78		
9			888				
10			898				
11							
12							
13							
14							
15							
Reading Interval 10		6		15		Minutes	

REMARKS:

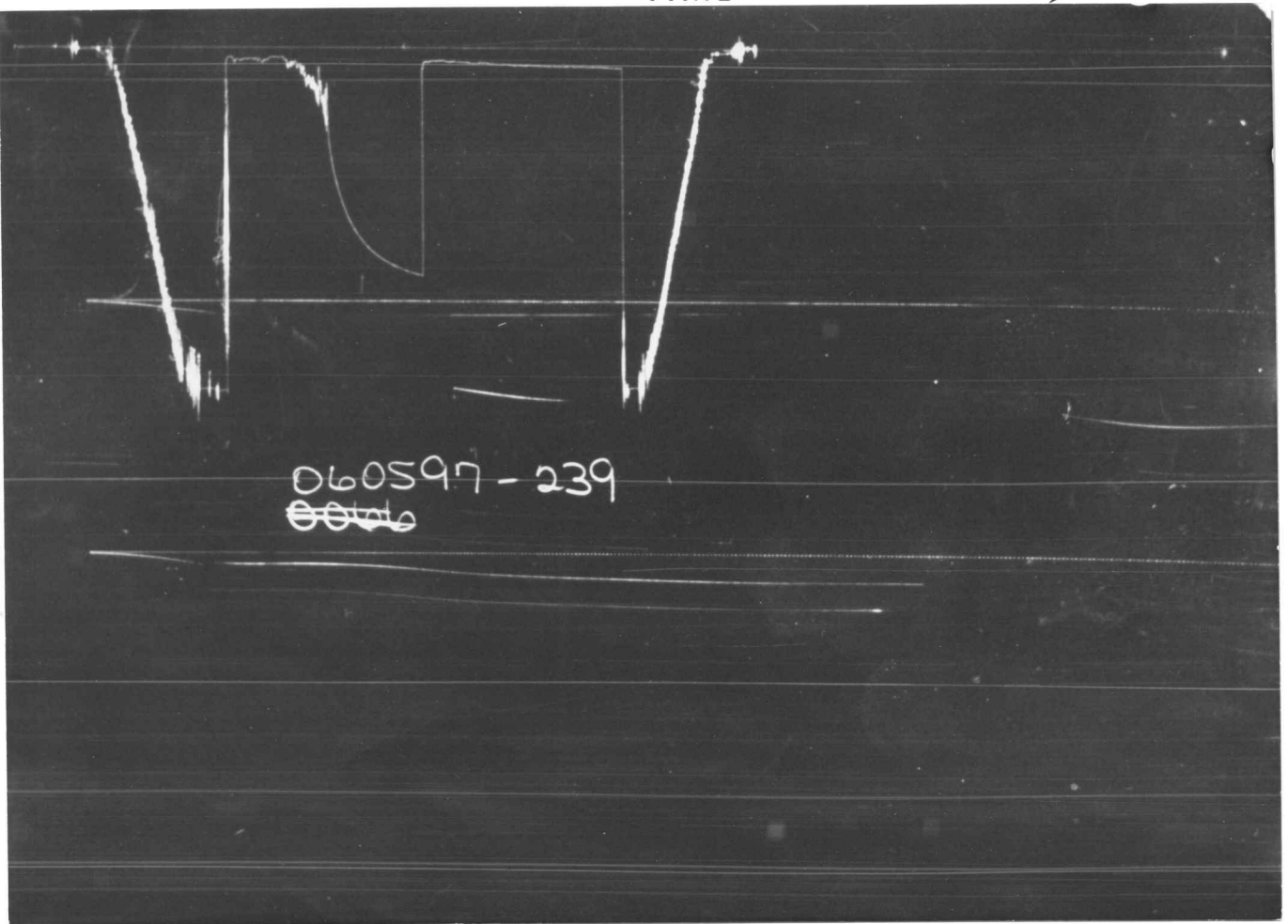
* = 11 minutes ** = 4 minutes *** = 16 minutes

	O. D.	I. D.	LENGTH	DEPTH
Drill Pipe or Tubing	5 3/4"	2"	1'	
Reversing Sub				
Water Cushion Valve Weight Pipe	4 1/2"	2.764"	244'	
Drill Pipe	4 1/2"	3.826"	2082'	
Drill Collars	6 1/4"	2 1/4"	220'	
Handling Sub & Choke Assembly	4 1/2"	3.826"	4'	
Dual CIP Valve	5"	3/4"	4'	2553'
Dual CIP Sampler				
Hydro-Spring Tester	5"	3/4"	4'	2557'
Multiple CIP Sampler				
Extension Joint				
AP Running Case	5"	2 1/4"	4'	2561'
Hydraulic Jar				
VR Safety Joint	5"	1"	3'	
Pressure Equalizing Crossover				
Packer Assembly	6 3/4"	2 1/4"	4'	2570'
Distributor				
Packer Assembly	6 3/4"	2 1/4"	4'	2575'
Flush Joint Anchor	5"	2 1/4"	5'	
Pressure Equalizing Tube				
Blanked-Off B.T. Running Case	5"	2 1/4"	4'	2580'
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				2584'



PRESSURE

TIME



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

FLUID SAMPLE DATA				Date 11-23-75		Ticket Number 742950	
Sampler Pressure _____ P.S.I.G. at Surface				Kind of Job OPEN HOLE		Halliburton District WINFIELD	
Recovery: Cu. Ft. Gas _____				Tester R. O'NEAL		Witness T. ELSTER	
cc. Oil _____				Drilling Contractor COMPANY TOOLS SM			
cc. Water _____				EQUIPMENT & HOLE DATA			
cc. Mud _____				Formation Tested Bartlesville sand			
Tot. Liquid cc. _____				Elevation 1090' Ft.			
Gravity _____ ° API @ _____ ° F.				Net Productive Interval - Ft.			
Gas/Oil Ratio _____ cu. ft./bbl.				All Depths Measured From Kelly bushing			
RESISTIVITY _____ CHLORIDE CONTENT _____				Total Depth 3297' Ft.			
Recovery Water _____ @ _____ ° F. _____ ppm				Main Hole/Casing Size 7 7/8"			
Recovery Mud _____ @ _____ ° F. _____ ppm				Drill Collar Length 244' I.D. 2.764"			
Recovery Mud Filtrate _____ @ _____ ° F. _____ ppm				Drill Pipe Length 2990' I.D. 3.826"			
Mud Pit Sample _____ @ _____ ° F. _____ ppm				Packer Depth(s) 3259-3264' Ft.			
Mud Pit Sample Filtrate _____ @ _____ ° F. _____ ppm				Depth Tester Valve 3246' Ft.			
Mud Weight 10 vis 39 cp							

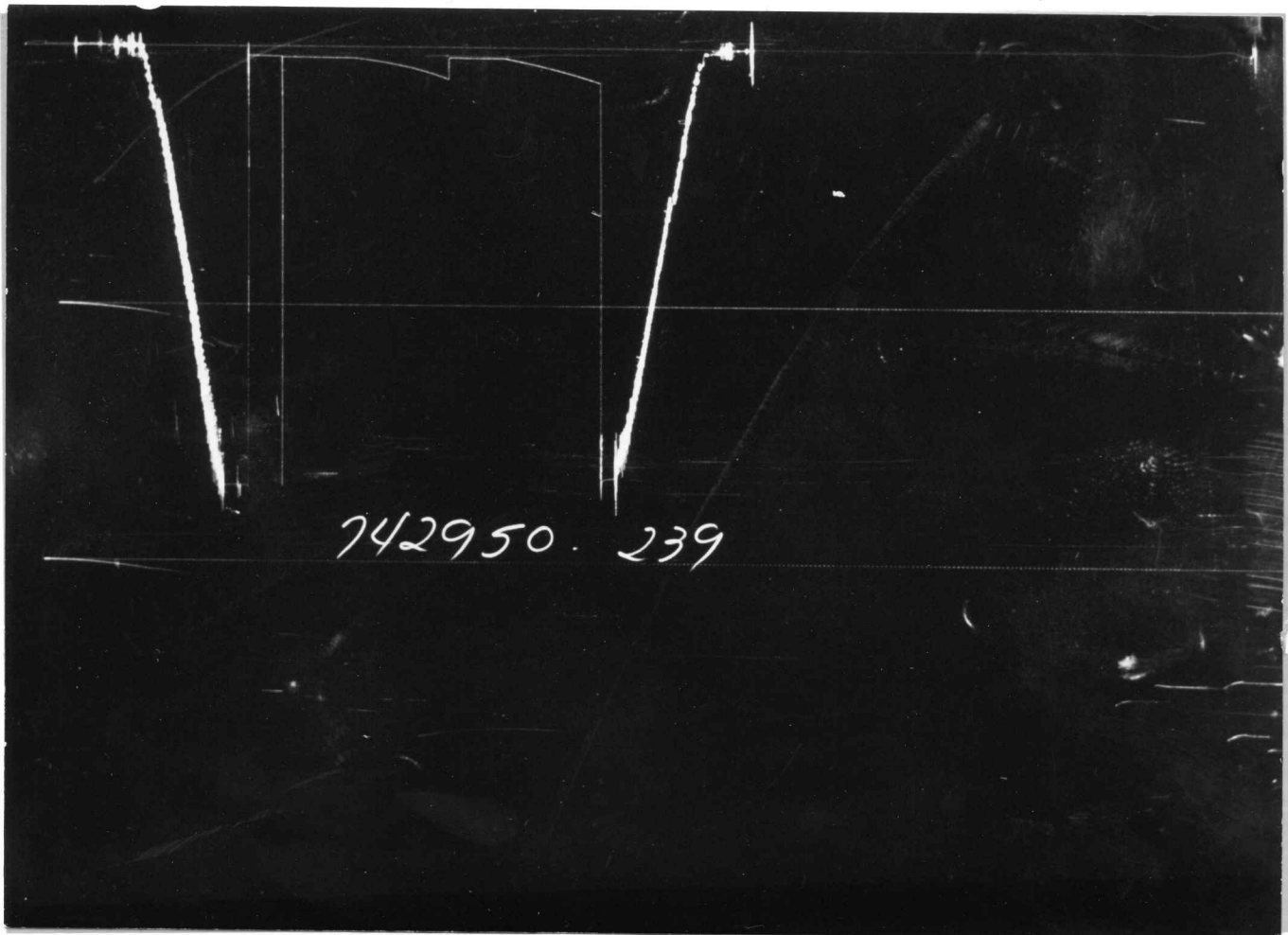
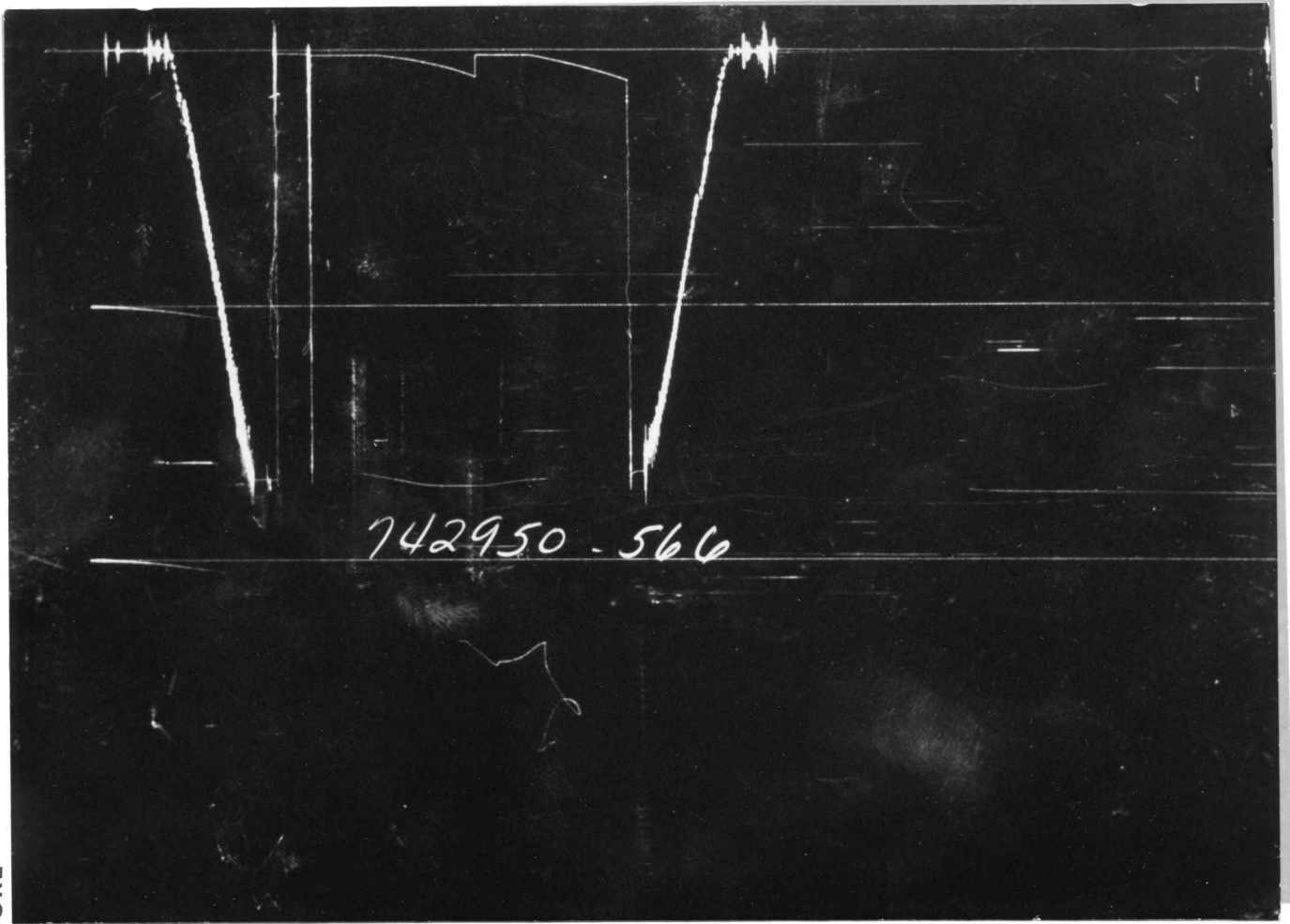
Cushion	TYPE	AMOUNT	Depth Back Pres. Valve 3241'	Surface Choke 1/4"	Bottom Choke 3/4"
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Recovered 10	Feet of	slightly oil cut mud	Meas. From Tester Valve
Recovered	Feet of		
Recovered	Feet of		
Recovered	Feet of		
Recovered	Feet of		
Recovered	Feet of		
Remarks SEE PRODUCTION TEST DATA SHEET			

TEMPERATURE	Gauge No. 566		Gauge No. 239		Gauge No.		TIME
	Depth:	3250 Ft.	Depth:	3293 Ft.	Depth:	Ft.	
Est. 107 °F.	12 Hour Clock		12 Hour Clock		Hour Clock		Tool A.M.
	Blanked Off NO		Blanked Off YES		Blanked Off		Opened 1825 P.M.
Actual °F.	Pressures		Pressures		Pressures		Opened A.M.
	Field	Office	Field	Office	Field	Office	Bypass 2155 P.M.
Initial Hydrostatic	1682	1687	-	1707			Reported Minutes
First Period Flow	Initial	10	-	37			Computed Minutes
	Final	20	-	44			
	Closed in	109	-	114			60
Second Period Flow	Initial	20	-	40			
	Final	20	-	42			30
	Closed in	109	-	135			60
Third Period Flow	Initial						
	Final						
	Closed in						
Final Hydrostatic	1652	1655	-	1671			

Legal Location Sec. - Twp. - Rng. C SE SW 15 - 34 - 2 E
 Lease Name O'BRIEN
 Well No. 2
 Field Area ARK CITY
 County COWLEY
 State KANSAS
 Tested Interval 3264' - 3297'

	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"	2990'	
Drill Collars Wt. Pipe	4 1/2"	2.764"	244'	
Handling Sub & Choke Assembly	4 1/2"	3 1/2"	4'	
Dual CIP Valve	5"	3/4"	5'	
Dual CIP Sampler				
Hydro-Spring Tester	5"	3/4"	5'	3246'
Multiple CIP Sampler				
Extension Joint				
AP Running Case	5"	2 1/4"	4'	3250'
Hydraulic Jar				
VR Safety Joint	5"	1"	3'	
Pressure Equalizing Crossover				
Packer Assembly	6 3/4"	1 1/2"	4'	3259'
Distributor				
Packer Assembly	6 3/4"	1 1/2"	4'	3264'
Flush Joint Anchor				
Pressure Equalizing Tube				
Blanked-Off B.T. Running Case				
Drill Collars				
Anchor Pipe Safety Joint				
Packer Assembly				
Distributor				
Packer Assembly				
Anchor Pipe Safety Joint				
Side Wall Anchor				
Drill Collars				
Flush Joint Anchor	5"	2 1/2"	29'	
Blanked-Off B.T. Running Case	5"	2 1/4"	4'	3293'
Total Depth				3297'



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

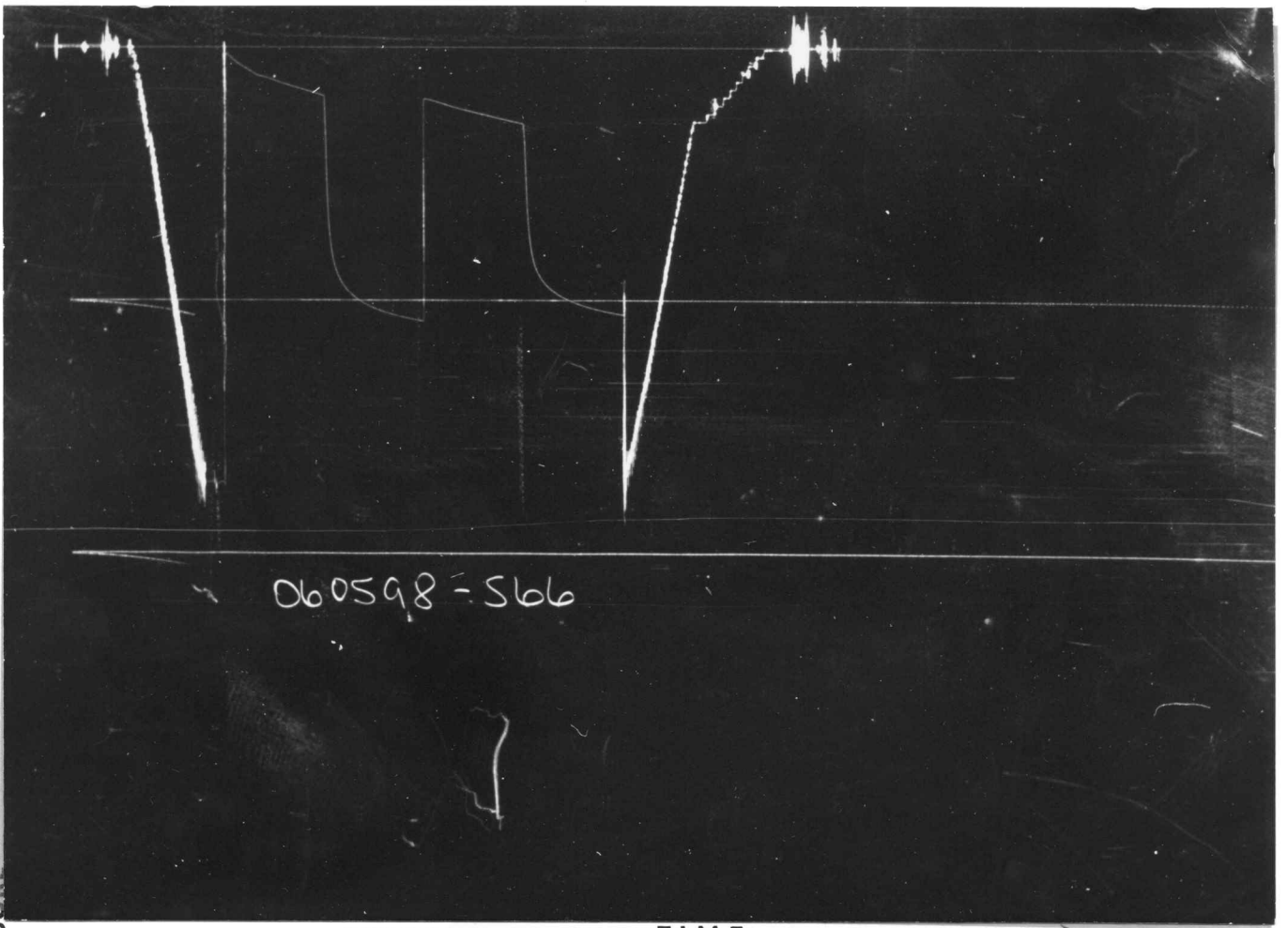
Gauge No. 566		Depth 3305'		Clock No. 4204		Ticket No. 060598	
First Flow Period		First Closed In Pressure		Second Flow Period		Second Closed In Pressure	
Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.
0	.000	26	193	.000	207	.000	303
1	.0670	74	773	.0668	221	.0267	777
2	.1340	113	893	.1337	240	.0535	884
3	.2010	132	944	.2005	257	.0802	929
4	.2680	154	974	.2673	273	.1069	956
5	.3350	174	996	.3342	289	.1337	975
6	.4020	193	1012	.4010	303	.1604	990
7			1026			.1871	1002
8			1037			.2138	1012
9			1046			.2406	1022
10			1054			.2673	1029
11			1061			.2940	1036
12			1067			.3208	1042
13			1073			.3475	1048
14			1078			.3742	1052
15			1082			.4010	1056

Gauge No. 239		Depth 2350'		Clock No. 3121		12 hour	
First Flow Period		First Closed In Pressure		Second Flow Period		Second Closed In Pressure	
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	.000	50	215	.000	229	.000	325
1	.0667	92	766	.0662	244	.0265	796
2	.1334	132	904	.1323	262	.0531	906
3	.2001	151	961	.1985	280	.0796	953
4	.2668	174	992	.2647	295	.1061	978
5	.3335	194	1015	.3309	310	.1327	997
6	.4000	215	1033	.3970	325	.1592	1012
7			1046			.1857	1019
8			1058			.2122	1035
9			1067			.2388	1043
10			1075			.2653	1051
11			1083			.2918	1058
12			1089			.3184	1062
13			1094			.3449	1069
14			1099			.3714	1074
15			1103			.3980	1078
Reading Interval 10		4		10		4	

REMARKS:

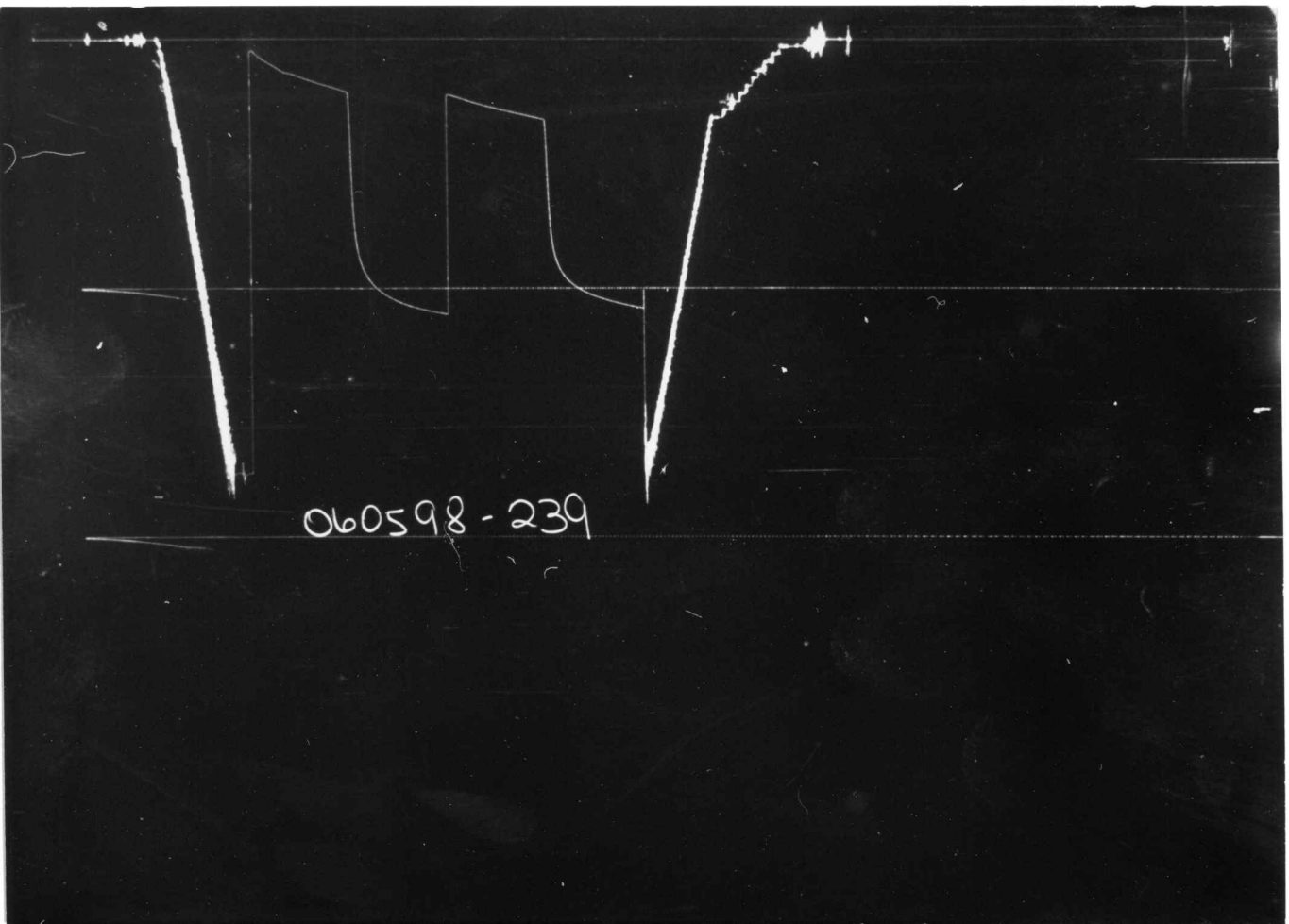


	O. D.	I. D.	LENGTH	DEPTH
Drill Pipe or Tubing				
Reversing Sub	5 3/4"	2"	1'	
Water Cushion Valve				
Drill Pipe	4 1/2"	3.826"	3046'	
Drill Collars	4 1/2"	2.764"	244'	
Weight Pipe	4 1/2"	3.826"	4'	
Handling Sub & Choke Assembly	5"	3/4"	4'	3297'
Dual CIP Valve	5"	3/4"	4'	3301'
Dual CIP Sampler				
Hydro-Spring Tester				
Multiple CIP Sampler				
Extension Joint				
AP Running Case	5"	2 1/4"	4'	3305'
Hydraulic Jar				
VR Safety Joint	5"	1"	3'	
Pressure Equalizing Crossover				
Packer Assembly	6 3/4"	2 1/4"	4'	3314'
Distributor				
Packer Assembly	6 3/4"	2 1/4"	4'	3319'
Flush Joint Anchor	5"	2 1/4"	31'	
Pressure Equalizing Tube				
Blanked-Off B.T. Running Case	5"	2 1/4"	4'	3350'
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				3354'



PRESSURE

TIME



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