

Legal Location Sec. - Twp. - Rng. 31 - 15 - 8  
 Lease Name JELINER  
 Well No. 26/5' - 2/12'  
 Test No. ELLSWORTH  
 Tested Interval  
 County KANSAS  
 State  
 Lease Owner/Company Name GLEN N. RUPE

<b>FLUID SAMPLE DATA</b>		Date	1-27-75	Ticket Number	876911
Sampler Pressure _____ P.S.I.G. at Surface	Kind of Job	OPEN HOLE	Halliburton District	GREAT BEND	
Recovery: Cu. Ft. Gas _____ cc. Oil _____ cc. Water _____ cc. Mud _____ Tot. Liquid cc. _____	Tester	WILLINGER	Witness	ELSTER	
Gravity _____ ° API @ _____ ° F.	Drilling Contractor	RED TIGER DRILLING COMPANY		NM S	
Gas/Oil Ratio _____ cu. ft./bbl.	<b>EQUIPMENT &amp; HOLE DATA</b>				
RESISTIVITY _____ CHLORIDE CONTENT _____	Formation Tested	Kansas City			
Recovery Water _____ @ _____ ° F. _____ ppm	Elevation	1656' K.B. Ft.			
Recovery Mud _____ @ _____ ° F. _____ ppm	Net Productive Interval	6' Ft.			
Recovery Mud Filtrate _____ @ _____ ° F. _____ ppm	All Depths Measured From	Kelly Bushing			
Mud Pit Sample _____ @ _____ ° F. _____ ppm	Total Depth	2712' Ft.			
Mud Pit Sample Filtrate _____ @ _____ ° F. _____ ppm	Main Hole/Casing Size	7 7/8"			
Mud Weight _____ vis _____ cp	Drill Collar Length	910'	I.D.	2.764" WP	
	Drill Pipe Length	1750'	I.D.	3.826"	
	Packer Depth(s)	2670' - 2675' Ft.			
	Depth Tester Valve	2662' Ft.			

Cushion	TYPE	AMOUNT	Depth Back Pres. Valve	Surface Choke	Bottom Choke
	NONE		NONE	1"	3/4"

Recovered	Feet of	FLOWING 166,000 Cu. Ft. of gas per day
Recovered	120'	Feet of gas cut mud
Recovered	120'	Feet of gas cut watery mud
Recovered	180'	Feet of muddy water
Recovered	120'	Feet of water

Remarks Tool opened for a 60 minute first flow with gas to the surface in 5 minutes. Closed tool for a 60 minute first closed in pressure. Tool reopened for a 60 minute second flow - flowing gas.. Took a 64 minute second closed in pressure.

SEE PRODUCTION TEST DATA SHEET....

TEMPERATURE	Gauge No. 392		Gauge No.		Gauge No.		TIME	
	Depth:	2663' Ft.	Depth:	Ft.	Depth:	Ft.	Hour Clock	Hour Clock
Est. 97 °F.	Blanked Off	NO	Blanked Off		Blanked Off		Tool Opened 4:00 A.M.	
Actual °F.	Pressures		Pressures		Pressures		Open 8:04 A.M.	
	Field	Office	Field	Office	Field	Office	Reported Minutes	Computed Minutes
Initial Hydrostatic	1424	1476						
First Period	Flow Initial	46	55					
	Flow Final	156	151					
	Closed in	1063	1070				60	60
Second Period	Flow Initial	109	138					
	Flow Final	179	185					
	Closed in	1063	1067				60	60
Third Period	Flow Initial							
	Flow Final							
	Closed in						64	64
Final Hydrostatic	1424	1422						

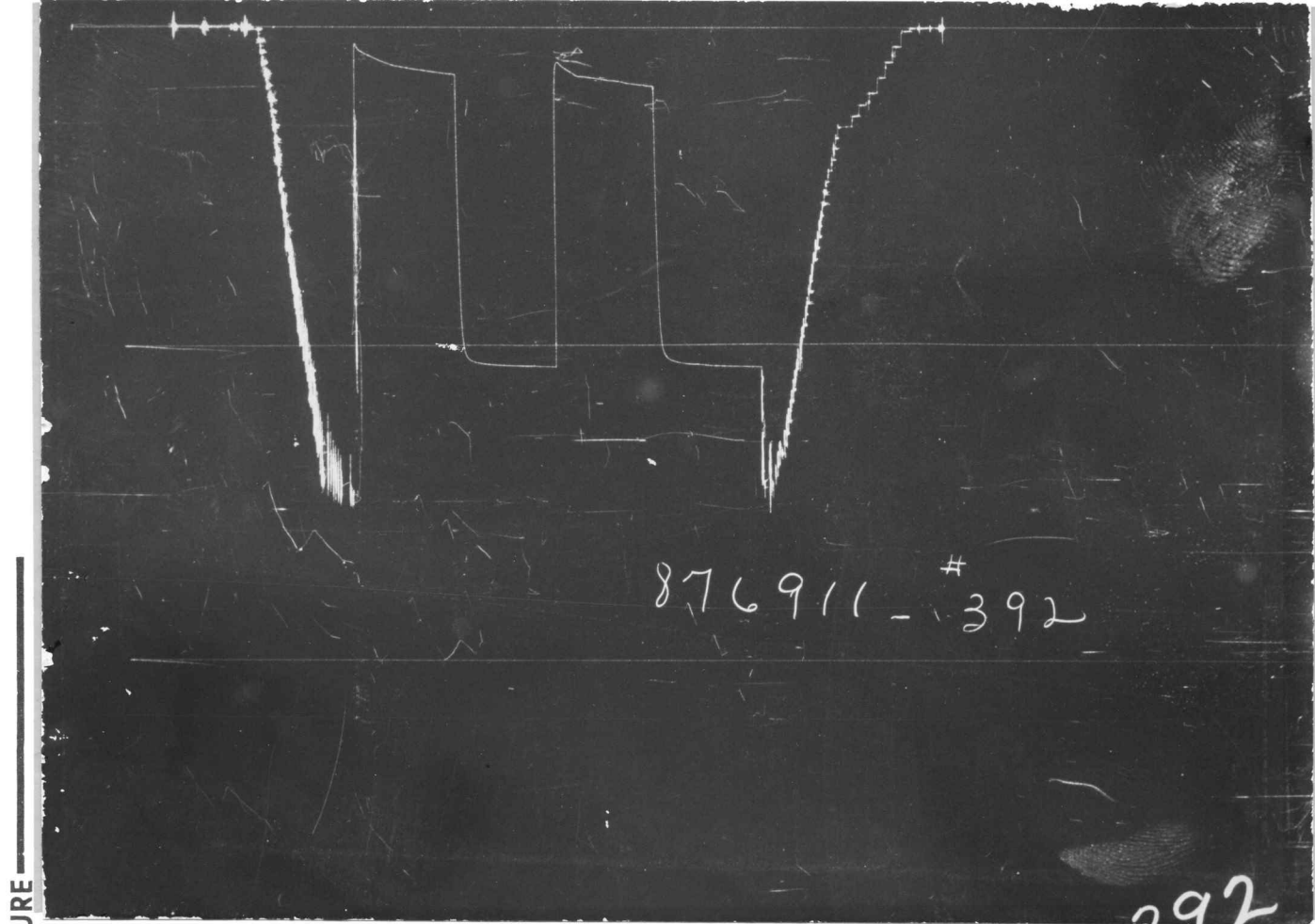


Gauge No.		392		Depth		2663'		Clock No.		4153		12 hour		Ticket No.		876911	
First Flow Period		Closed In Pressure		Second Flow Period		Closed In Pressure		Third Flow Period		Closed In Pressure		Third Flow Period		Closed In Pressure		Third Flow Period	
Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	$\text{Log} \frac{t + \theta}{\theta}$	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 55	.000		.000	151	.000		.000		.000		.000		.000		.000	
1	.0682 95	.0159		.0676	998	.0676	141	.0271		.0271		.0271		.0271		.0271	
2	.1363 116	.0537		.1353	1048	.1353	156	.0543		.0543		.0543		.0543		.0543	
3	.2045 128	.0806		.2030	1056	.2030	164	.0814		.0814		.0814		.0814		.0814	
4	.2727 137	.1075		.2707	1060	.2707	170	.1085		.1085		.1085		.1085		.1085	
5	.3408 144	.1343		.3383	1062	.3383	179	.1356		.1356		.1356		.1356		.1356	
6	.4090 151	.1662		.4060	1063	.4060	185	.1628		.1628		.1628		.1628		.1628	
7		.1881			1064			.1899		.1899		.1899		.1899		.1899	
8		.2149			1066			.2170		.2170		.2170		.2170		.2170	
9		.2418			1066			.2441		.2441		.2441		.2441		.2441	
10		.2687			1067			.2713		.2713		.2713		.2713		.2713	
11		.2955			1067			.2984		.2984		.2984		.2984		.2984	
12		.3224			1067			.3255		.3255		.3255		.3255		.3255	
13		.3493			1068			.3526		.3526		.3526		.3526		.3526	
14		.3761			1069			.3798		.3798		.3798		.3798		.3798	
15		.4030			1070			.4069		.4069		.4069		.4069		.4069	
								.4340		.4340		.4340		.4340		.4340	
Gauge No.				Depth				Clock No.				hour					
0																	
1																	
2																	
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	
11																	
12																	
13																	
14																	
15																	
Reading Interval		10		4		10		4		4		Minutes					

REMARKS:

	O. D.	I. D.	LENGTH	DEPTH
Drill Pipe or Tubing .....	5.75"	2.75"	12"	
Reversing Sub .....				
Water Cushion Valve .....				
Drill Pipe .....	4.5"	3.826"	1750'	
Drill Collars <b>FLEX WEIGHT</b> .....	4.5"	2.764"	910'	
Handling Sub & Choke Assembly .....				
Dual CIP Valve .....	5"	.87"	48.92"	
Dual CIP Sampler .....				
Hydro-Spring Tester .....	5"	.75"	60.21"	2662'
Multiple CIP Sampler .....				
Extension Joint .....				
AP Running Case .....	5"	3.06"	49.63"	2663'
Hydraulic Jar .....				
VR Safety Joint .....				
Pressure Equalizing Crossover .....				
Packer Assembly .....	6 3/4"	1.53"	48.89"	2670'
Distributor .....				
Packer Assembly .....	6 3/4"	1.53"	48.89"	2675'
Flush Joint Anchor .....	5"	2.37"	37'	
Pressure Equalizing Tube .....				
Blanked-Off B.T. Running Case .....	5"	3.06"	49.63"	?
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 .....				

5



PRESSURE

TIME

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

Legal Location Sec. - Twp. - Rng. 31-15S-8W  
 Lease Name  
 Well No. 2  
 Test No. 2715-2767  
 Tested Interval  
 County  
 Field Area  
 Meas. From Tester Valve  
 State  
 KANSAS  
 GLEN N. RUPE  
 Lease Owner/Company Name

<b>FLUID SAMPLE DATA</b>		Date 1-28-75	Ticket Number 876912
Sampler Pressure _____ P.S.I.G. at Surface	Kind of Job OPEN HOLE	Halliburton District GREAT BEND	
Recovery: Cu. Ft. Gas _____ cc. Oil _____ cc. Water _____ cc. Mud _____ Tot. Liquid cc. _____	Tester MR. WILLINGER	Witness MR. ESTER	
Gravity _____ ° API @ _____ ° F.	Drilling Contractor RED TIGER DRILLING COMPANY DR S		
Gas/Oil Ratio _____ cu. ft./bbl.	EQUIPMENT & HOLE DATA		
RESISTIVITY _____ CHLORIDE CONTENT _____	Formation Tested Kansas City	Elevation _____ Ft.	
Recovery Water _____ @ _____ ° F. _____ ppm	Net Productive Interval 52'	All Depths Measured From Kelly Bushing	
Recovery Mud _____ @ _____ ° F. _____ ppm	Total Depth 2767'	Main Hole/Casing Size 7 7/8"	
Recovery Mud Filtrate _____ @ _____ ° F. _____ ppm	Drill Collar Length 910' WP I.D. 2.764"	Drill Pipe Length 1804' I.D. 3.826"	
Mud Pit Sample _____ @ _____ ° F. _____ ppm	Packer Depth(s) 2710-2715'	Depth Tester Valve 2698'	
Mud Pit Sample Filtrate _____ @ _____ ° F. _____ ppm			
Mud Weight _____ vis _____ cp			

Cushion	TYPE	AMOUNT	Depth Back Pres. Valve	Surface Choke	Bottom Choke
Recovered 1130		Feet of water		1"	3/4"
Recovered		Feet of			
Recovered		Feet of			
Recovered		Feet of			
Recovered		Feet of			
Remarks Opened tool for 59 minute first flow with a strong blow. Closed tool for 62 minute first closed in pressure. Reopened tool for 61 minute second flow with a good blow, building to a strong blow in 4 minutes. Closed tool for 58 minute second closed in pressure.					

TEMPERATURE	Gauge No. 536		Gauge No. 392		Gauge No.		TIME	
	Depth:	2700 Ft.	Depth:	2763 Ft.	Depth:	Ft.		
Est. 98 °F.	12	Hour Clock	12	Hour Clock		Hour Clock	Tool Opened 21:30	A.M. P.M.
	Blanked Off	NO	Blanked Off	YES	Blanked Off		Opened Bypass 1:34	A.M. P.M.
Actual °F.	Pressures		Pressures		Pressures		Reported	Computed
	Field	Office	Field	Office	Field	Office	Minutes	Minutes
Initial Hydrostatic		1456	1486	1483				
First Period	Flow Initial	51	78	82				
	Flow Final	330	343	354				
	Closed in	1032	1055	1056			60	59
Second Period	Flow Initial	341	359	370				
	Flow Final	513	547	537				
	Closed in	1020	1047	1043			60	61
Third Period	Flow Initial							
	Flow Final							
	Closed in						60	58
Final Hydrostatic		1441	1471	1465				

Gauge No. 536		Depth 2700'		Clock No. 7098		12 hour		Ticket No. 876912	
First Flow Period		First In Pressure		Second Flow Period		Second 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	.000	51	.000	.000	330	.000	.000	.000	513
1	.0609	107*	.0541	.0745	871**	.0745	.0269	.0269	830****
2	.1285	164	.0946	.1422	928	.1422	.0672	.0672	909
3	.1961	214	.1352	.2099	960	.2099	.1076	.1076	947
4	.2638	255	.1757	.2776	981	.2776	.1479	.1479	968
5	.3314	294	.2163	.3453	994	.3453	.1883	.1883	982
6	.3990	330	.2568	.4130	1005	.4130	.2286	.2286	993
7			.2974		1014		.2689		1002
8			.3379		1020		.3093		1009
9			.3785		1027		.3496		1015
10			.4190		1032		.3900		1020
11									
12									
13									
14									
15									

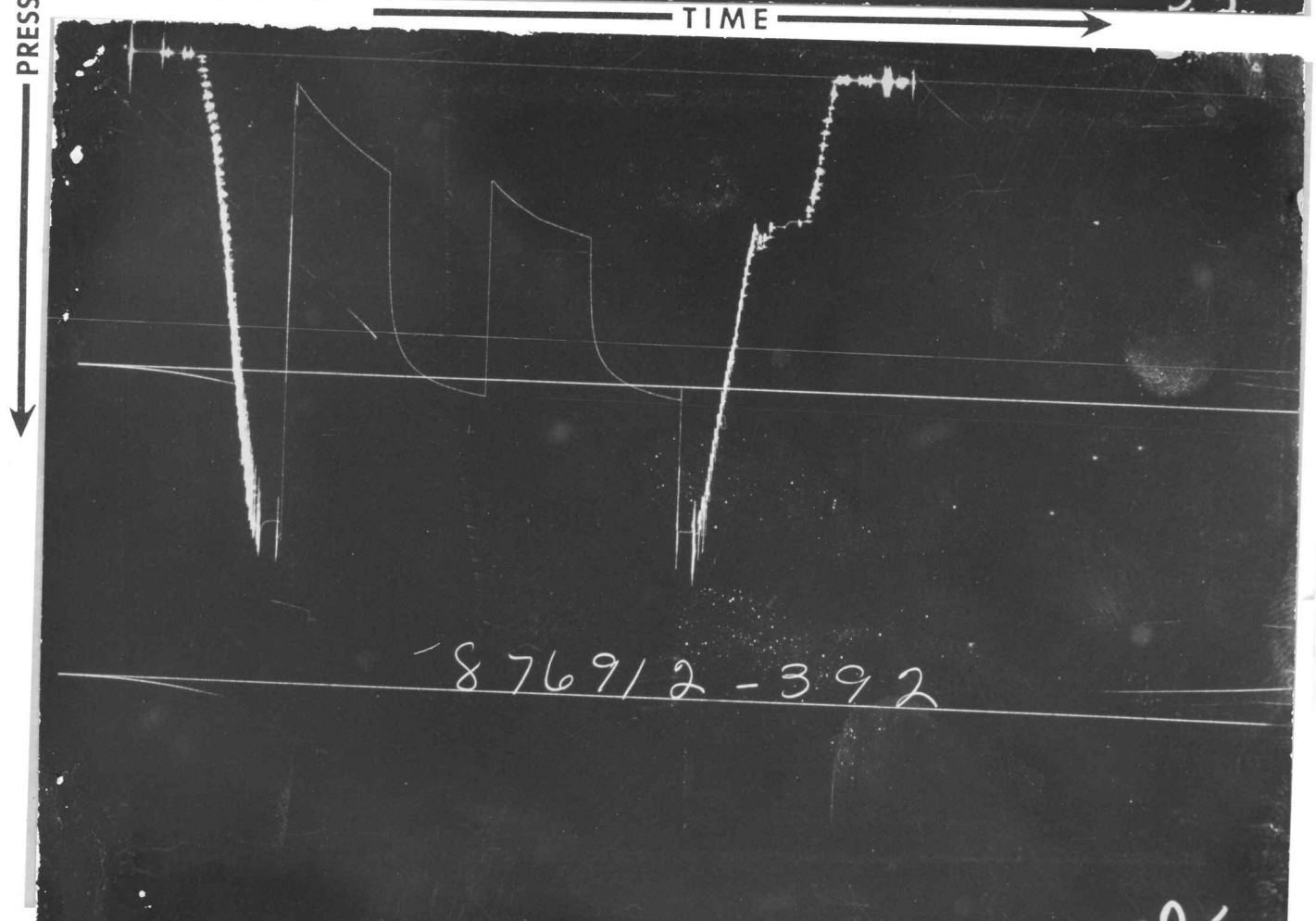
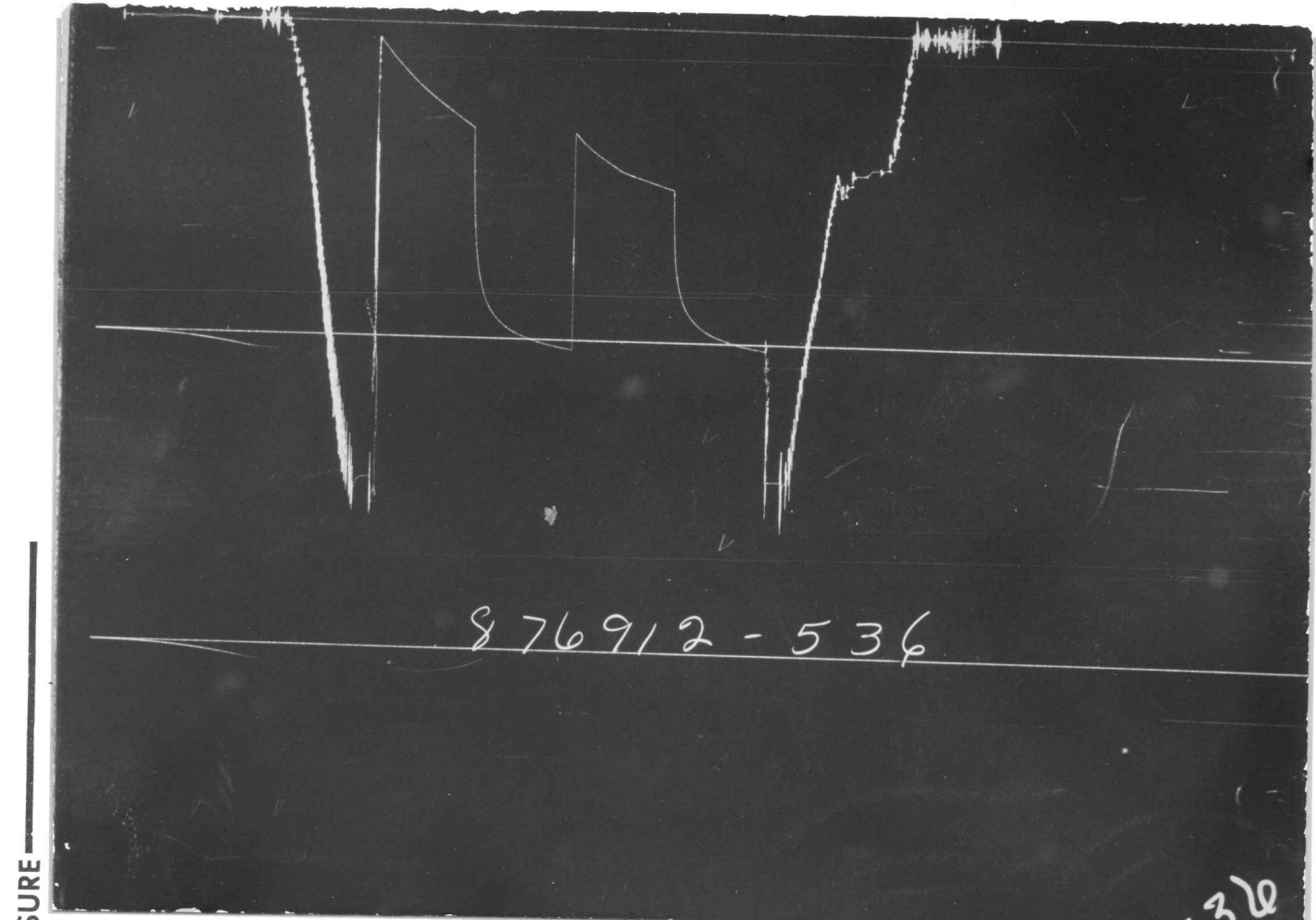
Gauge No. 392		Depth 2763'		Clock No. 4098		hour 12	
Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t + \theta}{\theta}$	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.
0	.000	82	.000	.000	370	.000	537
1	.0616	138*	.0547	.0754	419***	.0272	859****
2	.1301	195	.0957	.1439	455	.0679	935
3	.1986	241	.1368	.2124	483	.1087	969
4	.2671	284	.1778	.2810	503	.1495	991
5	.3355	321	.2188	.3495	520	.1902	1005
6	.4040	354	.2599	.4180	537	.2310	1016
7			.3009			.2717	1025
8			.3419			.3124	1032
9			.3830			.3533	1038
10			.4240			.3940	1043
11							
12							
13							
14							
15							

Reading Interval	10	6	10	6	Minutes
REMARKS:	* First interval equal to 9 minutes.		** -8 minutes		*** -11 minutes
					**** -4 minutes.



	O. D.	I. D.	LENGTH	DEPTH
Drill Pipe or Tubing .....				
Reversing Sub .....	5.75"	2.75"	12"	
Water Cushion Valve .....				
Drill Pipe .....	4.50"	3.826"	1804'	
Drill Collars .....	4.50"	2.764"	910' WP	
Handling Sub & Choke Assembly .....				
Dual CIP Valve .....	5"	.87"	48.92"	
Dual CIP Sampler .....				
Hydro-Spring Tester .....	5"	.75"	60.21"	2698'
Multiple CIP Sampler .....				
Extension Joint .....				
AP Running Case .....	5"	3.06"	49.63"	2700'
Hydraulic Jar .....				
VR Safety Joint .....				
Pressure Equalizing Crossover .....				
Packer Assembly .....	6 3/4"	1.53"	48.89"	2710'
Distributor .....				
Packer Assembly .....	6 3/4"	1.53"	48.89"	2715'
Flush Joint Anchor .....	5"	2.37"	52'	
Pressure Equalizing Tube .....				
Blanked-Off B.T. Running Case .....	5"	3.06"	49.63'	2763'
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 .....				



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