

Legal Location Sec. - Twp. - Rng. 12-34-6E
 Lease Name
 Well No.
 Test No.
 Field Area
 Meas. From Tester Valve
 Tested Interval
 County
 State
 Lease Owner/Company Name

L & B LAND & OIL
 WILDCAT
 COWLEY
 KANSAS
 EUFaula ENTERPRISES, INCORPORATED

FLUID SAMPLE DATA				Date	Ticket Number
Sampler Pressure _____ P.S.I.G. at Surface				8-6-75	793089
Recovery: Cu. Ft. Gas _____				Kind of Job	Halliburton District
cc. Oil _____				OPEN HOLE TEST	EL DORADO
cc. Water _____				Tester	Witness
cc. Mud _____				MR. BUTCHER	MR. LARSON
Tot. Liquid cc. _____				Drilling Contractor	
Gravity _____ ° API @ _____ ° F.				COMPANY TOOLS BJ S	
Gas/Oil Ratio _____ cu. ft./bbl.				EQUIPMENT & HOLE DATA	
RESISTIVITY _____ CHLORIDE CONTENT _____				Formation Tested	Stalnaker
Recovery Water _____ @ _____ ° F. _____ ppm				Elevation	1273' Kelly Bushing Ft.
Recovery Mud _____ @ _____ ° F. _____ ppm				Net Productive Interval	15' Ft.
Recovery Mud Filtrate _____ @ _____ ° F. _____ ppm				All Depths Measured From	Kelly Bushing
Mud Pit Sample _____ @ _____ ° F. _____ ppm				Total Depth	1798' Ft.
Mud Pit Sample Filtrate _____ @ _____ ° F. _____ ppm				Main Hole/Casing Size	7 7/8"
Mud Weight 9.8 vis 60 cp				Drill Pipe Length	369 1/2' I.D. 2.764"
				Packer Depth(s)	1779' 1783' Ft.
				Depth Tester Valve	1767' Ft.
Cushion		TYPE AMOUNT	Depth Back Pres. Valve	Surface Choke	Bottom Choke
		NONE	NONE	1/4"	3/4"
Recovered 255' Feet of salt water.					
Recovered Feet of					
Recovered Feet of					
Recovered Feet of					
Recovered Feet of SEE PRODUCTION TEST DATA SHEET....					
Remarks OPENED WITH A WEAK BLOW THROUGHOUT 60 MINUTES. NO GAS TO SURFACE. SECOND OPENING WITH NO BLOW FOR 4 MINUTES, THEN VERY WEAK BLOW. WEAK BLOW 45 MINUTES OF OPENING. NO GAS TO SURFACE. WOULD NOT BURN.					
TEMPERATURE		Gauge No. 737	Gauge No. 397	Gauge No.	TIME
Depth: 1769' Ft.		Depth: 1794' Ft.	Depth: _____ Ft.	Hour Clock	Tool 930 7:30
Est. 87 ° F.		Blanked Off NO	Blanked Off YES	Blanked Off	Opened 1130 P.M.
Actual ° F.		Pressures		Pressures	
		Field Office	Field Office	Field Office	Field Office
Initial Hydrostatic		927 919	- 929		
First Period	Flow Initial	17 9	- 20		
	Flow Final	69 70	- 79		
Closed in		558 561	- 569		
Second Period	Flow Initial	69 75	- 86		
	Flow Final	120 125	- 135		
Closed in		558 559	- 567		
Third Period	Flow Initial				
	Flow Final				
Closed in					
Final Hydrostatic		901 888	- 899		

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Casing perms. _____ Bottom choke 3/4" Surf. temp. _____ °F Ticket No. 793089
 Gas gravity _____ Oil gravity _____ GOR _____
 Spec. gravity _____ Chlorides _____ ppm Res. _____ @ _____ °F

INDICATE TYPE AND SIZE OF GAS MEASURING DEVICE USED _____

Date	Time	Choke Size	Surface Pressure psi	Gas Rate MCF	Liquid Rate BPD	Remarks
8-6-75						
	400					Truck called # 9082
	630					On location. Circulated after short trip.
	700					Made up tool.
	730					Picked tool up.
	800					Going in hole.
	925					On bottom - no trouble.
	930					Opened tool with a weak blow 3/4".
	945					Weak blow - 3" in water.
	1000					No gas to surface 3".
	1015					" " " "
	1020					" " " " 2".
						Blow getting weaker.
	1030					Closed tool.
	1130					Opened tool - no blow.
	1134					Very weak blow.
	1145					Weak blow 1/2" in water.
8-7-75	1200					" " 1/2" "
	1215					No gas to surface- would not burn.
	1215					Weak blow 1/2" - No gas.
	1230					Closed tool.
	1330					Off bottom.

Gauge No. 737		Depth 1769'		Clock No. 7101		12 hour		Ticket No. 793089	
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.
0	.0000 9	.0000	70	.0000	75	.0000	125		
1	.0662 22	.0269	393	.0673	83	.0466	455*		
2	.1324 33	.0538	456	.1346	92	.0732	485		
3	.1986 43	.0807	485	.2019	101	.0998	503		
4	.2648 52	.1076	503	.2692	109	.1264	515		
5	.3310 60	.1345	516	.3365	118	.1530	524		
6	.3970 70	.1614	526	.4040	125	.1796	532		
7		.1883	533			.2062	537		
8		.2152	539			.2328	542		
9		.2421	545			.2594	545		
10		.2690	548			.2860	549		
11		.2959	551			.3126	551		
12		.3228	555			.3392	554		
13		.3497	557			.3658	556		
14		.3766	559			.3924	558		
15		.4030	561			.4190	559		

Gauge No. 397		Depth 1794'		Clock No. 7047		12 hour	
Time Defl. .000"	PSIG Temp. Corr.						
0	.0000 20	.0000	79	.0000	86	.0000	135
1	.0668 33	.0270	404	.0677	93	.0468	466*
2	.1336 42	.0540	466	.1354	102	.0735	494
3	.2004 52	.0810	494	.2031	110	.1002	511
4	.2672 62	.1080	511	.2708	119	.1270	523
5	.3340 71	.1350	524	.3385	128	.1537	532
6	.4010 79	.1620	533	.4060	135	.1804	539
7		.1890	541	.2072		.2072	544
8		.2160	547	.2339		.2339	549
9		.2430	551	.2606		.2606	553
10		.2700	555	.2873		.2873	556
11		.2970	558	.3141		.3141	559
12		.3240	561	.3408		.3408	562
13		.3510	563	.3675		.3675	564
14		.3780	566	.3943		.3943	566
15		.4050	569	.4210		.4210	567

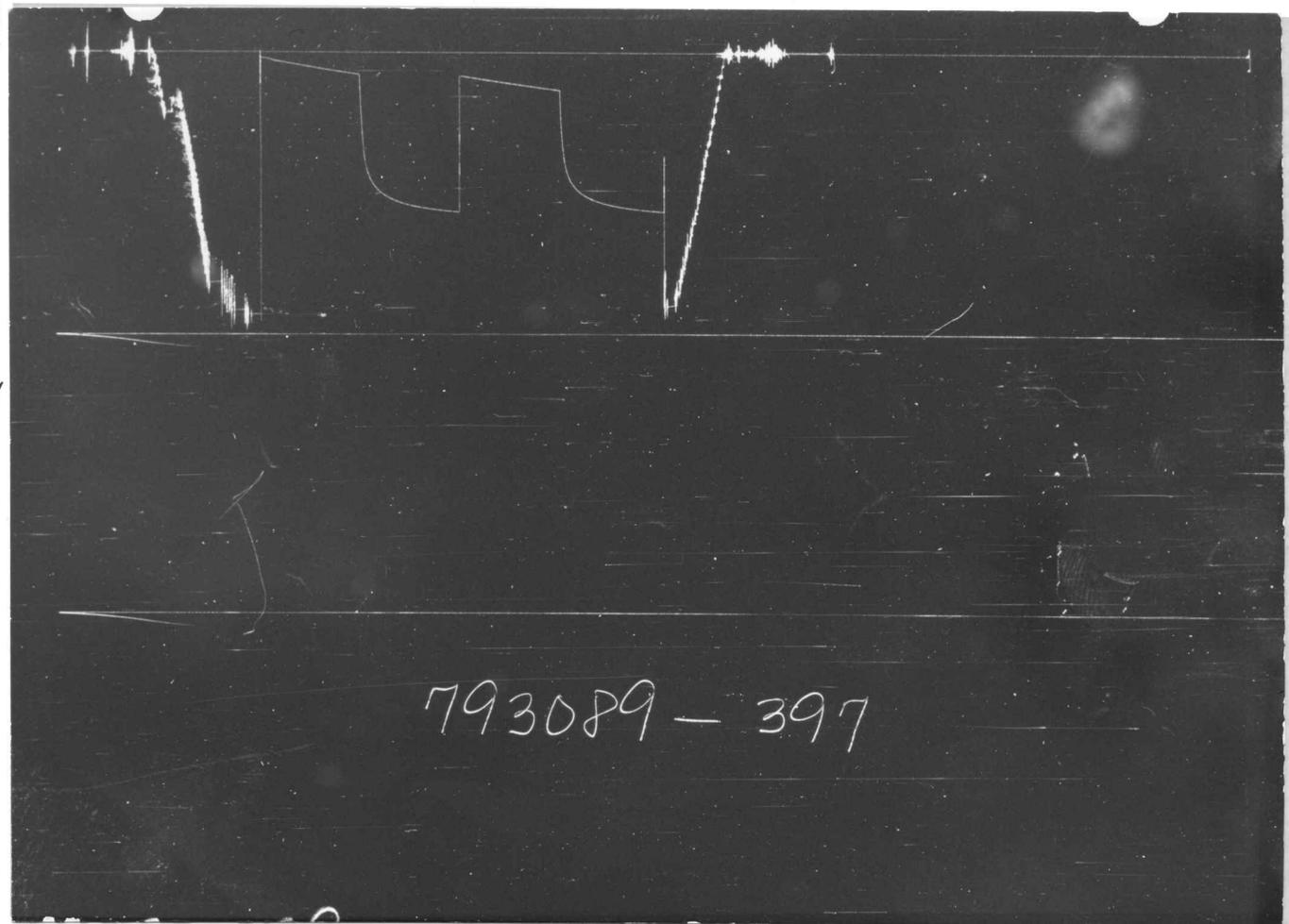
Reading Interval 10 4 10 4

Minutes

REMARKS: * INTERVAL = 7 MINUTES



	O. D.	I. D.	LENGTH	DEPTH
Drill Pipe or Tubing				
Reversing Sub	5.75"	2.75"	1.00'	
Water Cushion Valve				
Drill Pipe	4.50"FH	3.826"	1385'	
Handling Sub & Choke Assembly	4.50"FH	2.764"	369 1/2'	
Dual CIP Valve	4.50"	3.50"	4.50'	
Dual CIP Sampler	5.00"	.87"	5.00'	
Hydro-Spring Tester	5.00"	.75"	5.00'	1767'
Multiple CIP Sampler				
Extension Joint				
AP Running Case	5.00"	3.75"	4.00'	1769'
Hydraulic Jar				
VR Safety Joint	5.00"	1.00"	3.00'	
Pressure Equalizing Crossover				
Packer Assembly	6.75"	1.50"	4.00'	1779'
Distributor				
Packer Assembly	6.75"	1.50"	4.00'	1783'
Flush Joint Anchor	5.00"	3.84"	10'	
Pressure Equalizing Tube				
Blanked-Off B.T. Running Case	5.00"	2.75"	4.00'	1794'
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				1798'



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

FLUID SAMPLE DATA				Date		Ticket Number	
Sampler Pressure _____ P.S.I.G. at Surface				8-8-75		742854	
Recovery: Cu. Ft. Gas _____				Kind of Job		Halliburton District	
cc. Oil _____				OPEN HOLE		WINFIELD	
cc. Water _____				Tester		Witness	
cc. Mud _____				DURHAM		ELSTER	
Tot. Liquid cc. _____				Drilling Contractor		COMPANY TOOLS NM S	
Gravity _____ ° API @ _____ °F.				EQUIPMENT & HOLE DATA			
Gas/Oil Ratio _____ cu. ft./bbl.				Formation Tested			
RESISTIVITY _____ CHLORIDE CONTENT _____				Layton Sand			
Recovery Water _____ @ _____ °F. _____ ppm				Elevation			
Recovery Mud _____ @ _____ °F. _____ ppm				1273' K.B. Ft.			
Recovery Mud Filtrate _____ @ _____ °F. _____ ppm				Net Productive Interval			
Mud Pit Sample _____ @ _____ °F. _____ ppm				8' Ft.			
Mud Pit Sample Filtrate _____ @ _____ °F. _____ ppm				All Depths Measured From			
Mud Weight 9.8 vis 45 cp				Kelly Bushing			
				Total Depth			
				2020' Ft.			
				Main Hole/Casing Size			
				7 7/8"			
				Drill Collar Length			
				-			
				Drill Pipe Length			
				1736' - WP 256" I.D. 3.826" - WP 2.764"			
				Packer Depth(s)			
				2007- 2012' Ft.			
				Depth Tester Valve			
				1994' Ft.			
Cushion		TYPE AMOUNT		DCIP VALVE		Surface	
		NONE		1990'		Choke	
						1/4"	
						Bottom Choke	
						3/4"	
Recovered		120'		Feet of		gas in the drill pipe	
Recovered		30'		Feet of		oily mud	
Recovered		90'		Feet of		slightly oil cut muddy water	
Recovered				Feet of			
Recovered				Feet of			
Remarks Tool opened for a 60 minute first flow with a blow which was building to a good blow. Closed tool for a 60 minute first closed in pressure. Tool reopened for a 61 minute second flow - blow was building to a good blow. Took a 59 minute second closed in pressure. CHARTS INDICATE LEAKAGE DURING THE FINAL CLOSED IN PRESSURE.							
TEMPERATURE		Gauge No. 537		Gauge No. 291		Gauge No.	
		Depth: 1998' Ft.		Depth: 2016' Ft.		Depth: Ft.	
Est. 95 °F.		12 Hour Clock		12 Hour Clock		Hour Clock	
		Blanked Off NO		Blanked Off YES		Blanked Off	
Actual °F.		Pressures		Pressures		Pressures	
		Field Office		Field Office		Field Office	
Initial Hydrostatic		- 1032		- 1040		Reported Computed	
						Minutes Minutes	
First Period Flow Initial		7.9 4		- 32			
Final		31.4 32		- 43		60 60	
Closed in		690.0 686		- 696		60 60	
Second Period Flow Initial		31.4 36		- 51			
Final		47.1 60		- 70		60 61	
Closed in		627.2 624		- 635		60 59	
Third Period Flow Initial							
Final							
Closed in							
Final Hydrostatic		- 1012		- 1018			

Legal Location Sec. - Twp. - Rng. NW-SE-NE - 12 - 34S - 6E
 Lease Name L & B LAND & CATTLE CO. Well No. 2012' - 2020' Field Area WILDCAT
 Test No. 2 Tested Interval
 Country COWLEY State KANSAS
 Lease Owner/Company Name EUFOLA ENTERPRISES, INCORPORATED

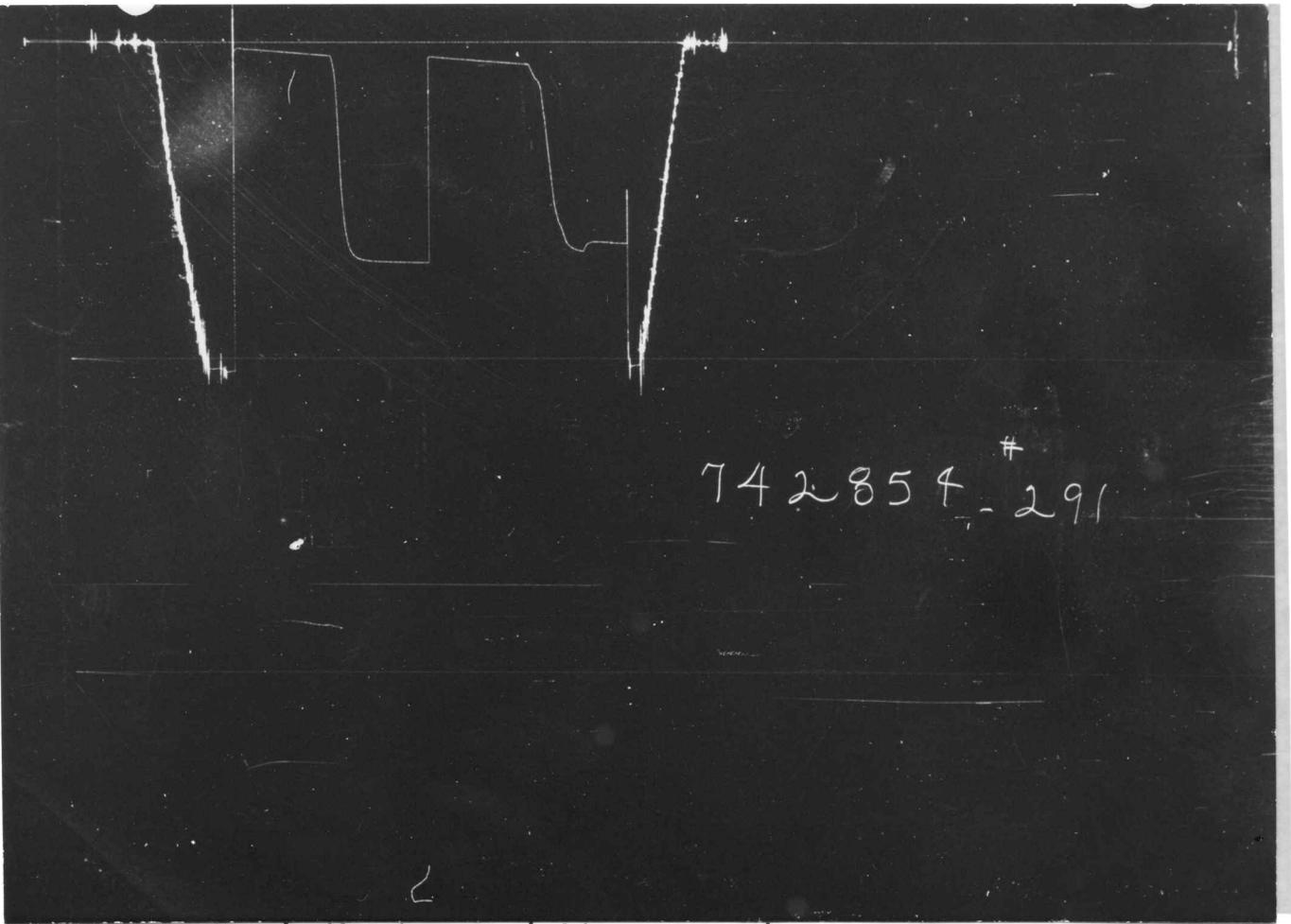
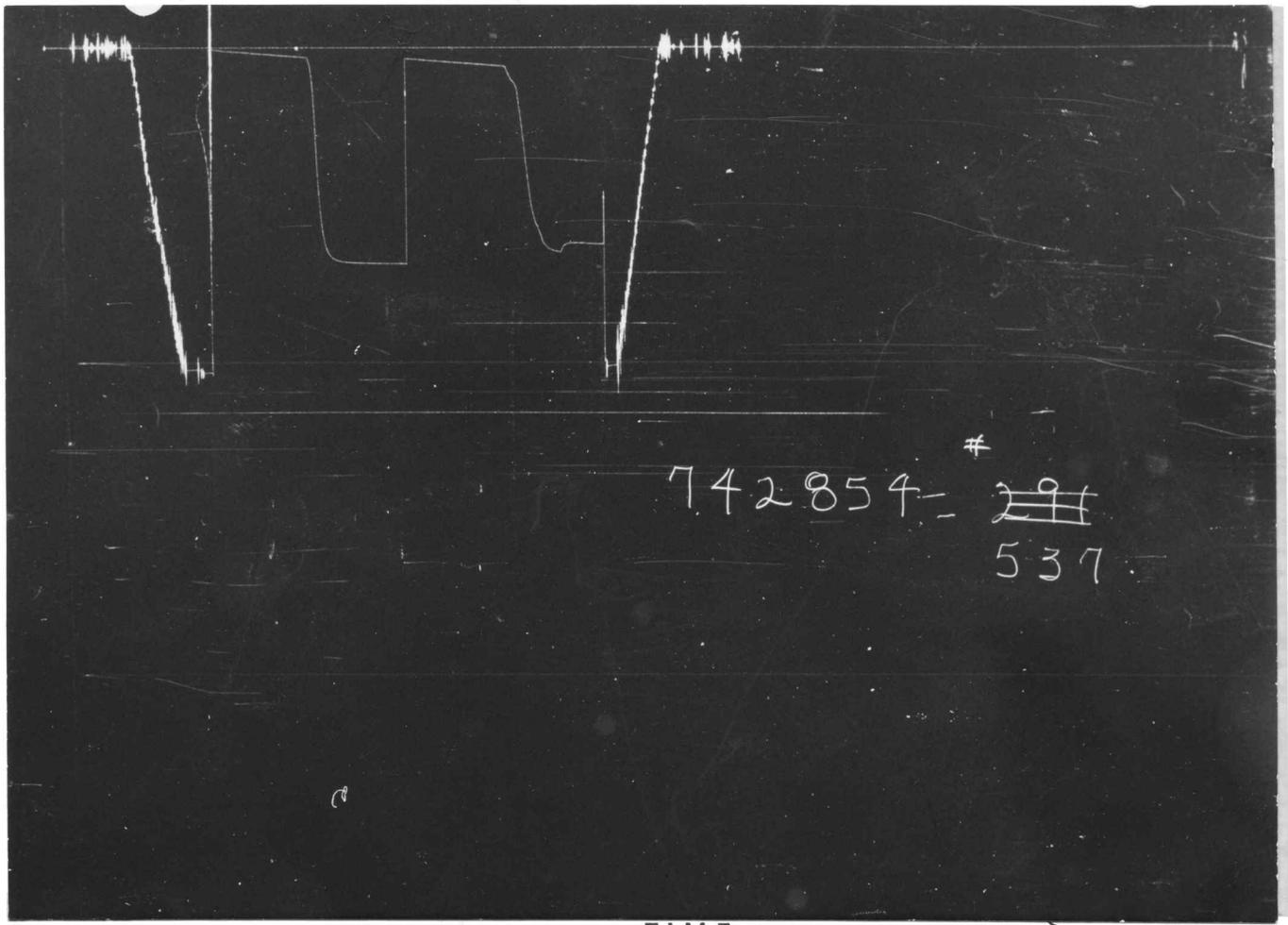
Gauge No. 537		Depth		1998'		Clock No. 4204		12 hour		Ticket No. 742854	
First Flow Period		First Closed In Pressure		Second Flow Period		Second Closed In Pressure		Third Flow Period		Third Closed In Pressure	
Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.
		$\text{Log } \frac{t + \theta}{\theta}$				$\text{Log } \frac{t + \theta}{\theta}$				$\text{Log } \frac{t + \theta}{\theta}$	
0	.000	4	.000	.000	36	.000	60	.000			
1	.0663	12	.0265	.0734	41*	.396	624				
2	.1327	15	.0531	.1401	45						
3	.1990	20	.0796	.2068	49						
4	.2653	24	.1061	.2736	53						
5	.3317	27	.1327	.3403	56						
6	.3980	32	.1592	.4070	60						
7			.1857								
8			.2123								
9			.2388								
10			.2653								
11			.2919								
12			.3184								
13			.3449								
14			.3715								
15			.3980								
Gauge No. 291		Depth		2016'		Clock No. 3121		hour		12	
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.	Time Defl. .000"	PSIG Temp. Corr.
0	.000	32	.000	.000	51	.000	70				
1	.0662	23	.0264	.0729	50*	.399	635				
2	.1323	27	.0528	.1391	55						
3	.1985	31	.0792	.2053	59						
4	.2647	34	.1056	.2715	63						
5	.3308	39	.1320	.3378	66						
6	.3970	43	.1584	.4040	70						
7			.1848								
8			.2112								
9			.2376								
10			.2640								
11			.2904								
12			.3168								
13			.3432								
14			.3696								
15			.3960								
Reading Interval 10		4		10						Minutes	

REMARKS: * INTERVAL = 11 MINUTES.

21



	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"	1736'	
Drill Collars	4 1/2"	2.764"	256'	
Handling Sub & Choke Assembly	4 1/2"	3.826"	4'	
Dual CIP Valve	5"	3/4"	4'	1990'
Dual CIP Sampler				
Hydro-Spring Tester	5"	3/4"	4'	1994'
Multiple CIP Sampler				
Extension Joint				
AP Running Case	5"	2 1/4"	4'	1998'
Hydraulic Jar				
VR Safety Joint	5"	1"	3'	
Pressure Equalizing Crossover				
Packer Assembly	6 3/4"	2 1/4"	4'	2007'
Distributor				
Packer Assembly	6 3/4"	2 1/4"	4'	2012'
Flush Joint Anchor	5"	2 1/4"	4'	
Pressure Equalizing Tube				
Blanked-Off B.T. Running Case	5"	2 1/4"	4'	2016'
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				2020'



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

Gauge No. 737		Depth 2163'		Clock No. ???		Ticket No. 792531	
First Flow Period		First Closed In Pressure		Second Flow Period		Third Flow Period	
Time Defl. .000"	PSIG Temp. Corr.						
$\text{Log } t + \frac{\theta}{\rho}$		$\text{Log } t + \frac{\theta}{\rho}$		$\text{Log } t + \frac{\theta}{\rho}$		$\text{Log } t + \frac{\theta}{\rho}$	
0	.000	8	.000	.000	8	.000	16
1	.399	15	.0272	.582	16	.386	421
2		38	.0681				
3		76	.1090				
4		143	.1499				
5		224	.1908				
6		299	.2317				
7		363	.2726				
8		418	.3135				
9		464	.3544				
10		503	.3950				
11							
12							
13							
14							
15							

Gauge No. 397		Depth 2188'		Clock No. ???		12 hour	
Time Defl. .000"	PSIG Temp. Corr.						
$\text{Log } t + \frac{\theta}{\rho}$		$\text{Log } t + \frac{\theta}{\rho}$		$\text{Log } t + \frac{\theta}{\rho}$		$\text{Log } t + \frac{\theta}{\rho}$	
0	.000	38	.000	.000	48	.000	98
1	.402	42*	.0269	.588	98	.371	443
2		53	.0672				
3		86	.1075				
4		152	.1478				
5		232	.1881				
6		308	.2284				
7		369	.2687				
8		426	.3090				
9		473	.3493				
10		514	.3900				
11							
12							
13							
14							
15							

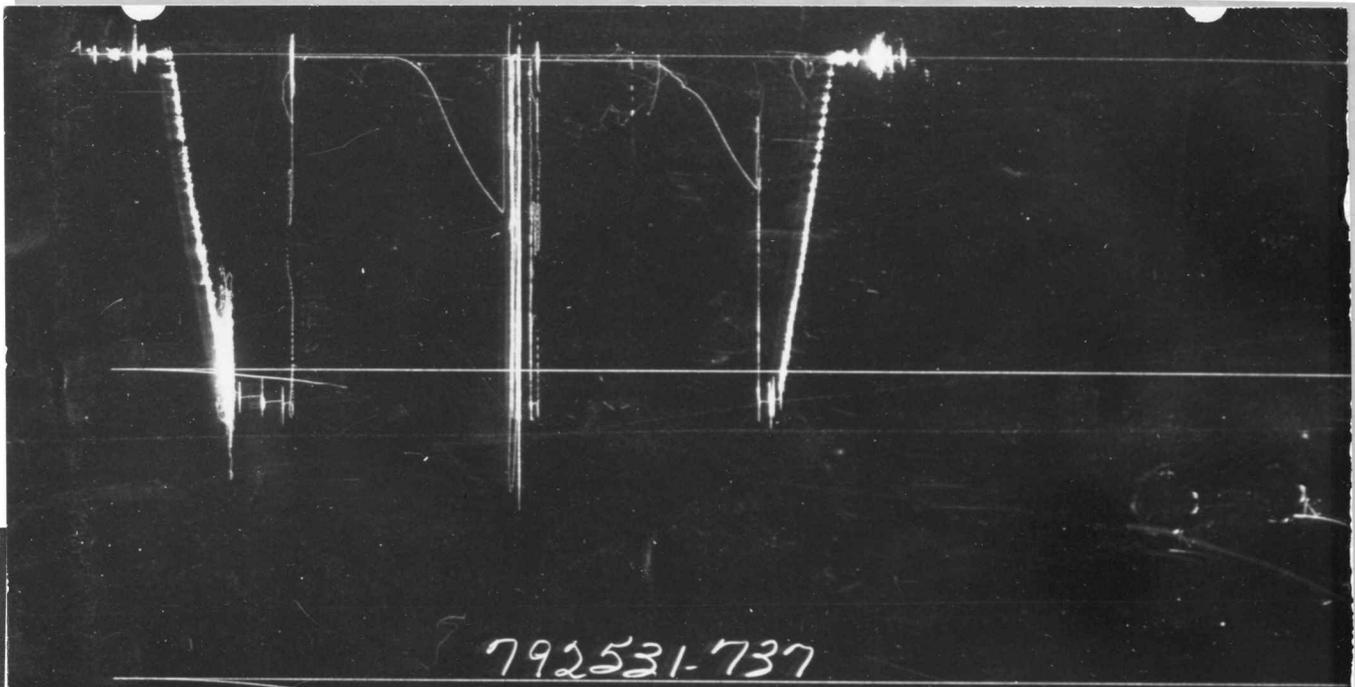
Reading Interval 6

*First interval equal to 4 minutes

Minutes

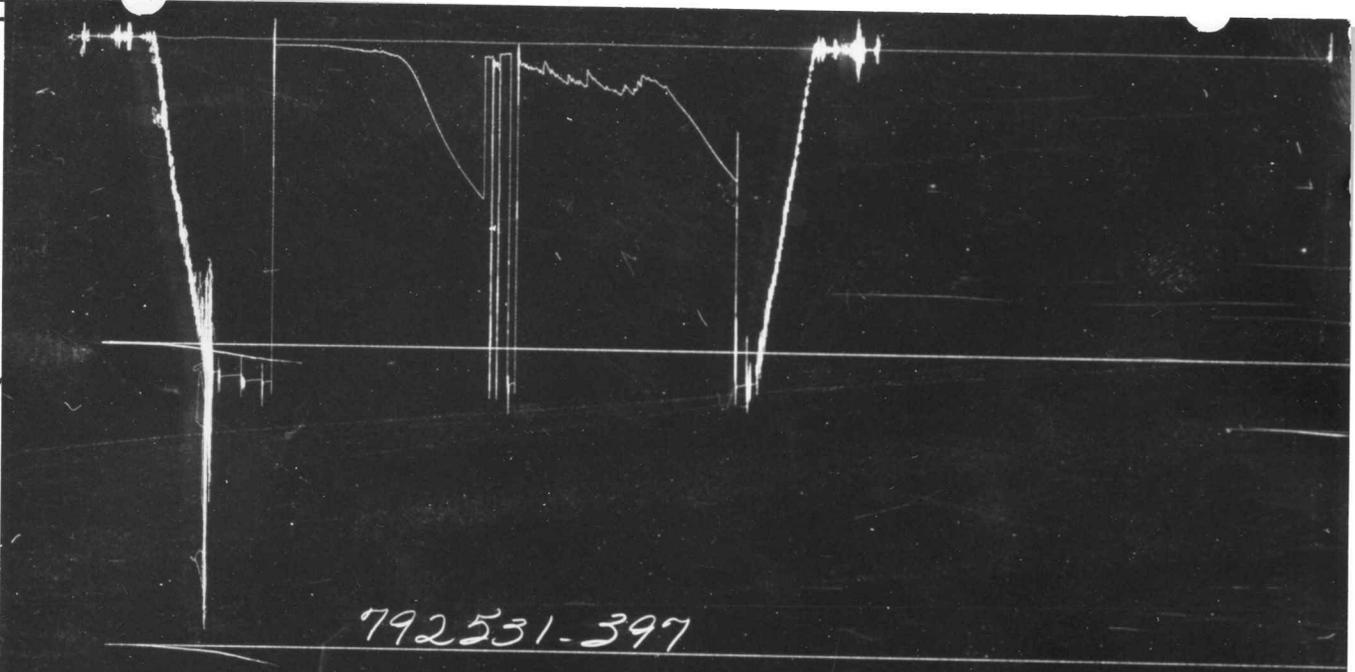
REMARKS:

	O. D.	I. D.	LENGTH	DEPTH
Drill Pipe or Tubing				
Reversing Sub	5 3/4"	3"	1'	
Water Cushion Valve				
Drill Pipe		3.86"	2137'	
Drill Collars				
Handling Sub & Choke Assembly	4 1/2"	3 1/2"	4'	
Dual CIP Valve	5"	3/4"	5'	2154'
Dual CIP Sampler				
Hydro-Spring Tester	5"	3/4"	5'	2159'
Multiple CIP Sampler				
Extension Joint				
AP Running Case	5"	1 1/2"	5'	2163'
Hydraulic Jar				
VR Safety Joint	5"	1"	3'	
Pressure Equalizing Crossover				
Packer Assembly	6 3/4"	1 1/2"	5'	2176'
Distributor				
Packer Assembly	6 3/4"	1 1/2"	4'	2180'
Tail			1'	
Flush Joint Anchor	4 9/16"	2 1/2"	7'	
Pressure Equalizing Tube				
Blanked-Off B.T. Running Case	4 9/16"	2 1/2"	4'	2188'
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				2192'



UPPER GAUGE
737

↑
PRESSURE
↓



LOWER GAUGE
397

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

FLUID SAMPLE DATA				Date 8-11-75		Ticket Number 792534			
Sampler Pressure _____ P.S.I.G. at Surface				Kind of Job OPEN HOLE TEST		Halliburton District EL DORADO			
Recovery: Cu. Ft. Gas _____				Tester MR. CURRIE		Witness ?			
cc. Oil _____				Drilling Contractor COMPANY TOOLS BJ S					
cc. Water _____				EQUIPMENT & HOLE DATA					
cc. Mud _____				Formation Tested Oswego					
Tot. Liquid cc. _____				Elevation _____ Ft.					
Gravity _____ ° API @ _____ °F.		Gas/Oil Ratio _____ cu. ft./bbl.		Net Productive Interval 2408' to 2480' Ft.					
RESISTIVITY		CHLORIDE CONTENT		All Depths Measured From Kelly Bushing					
Recovery Water _____ @ _____ °F. _____ ppm		Recovery Mud _____ @ _____ °F. _____ ppm		Total Depth 2480' 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 9.5 vis 46 cp		Drill Collar Length 360' I.D. 2.50"					
				Drill Pipe Length 2020' I.D. 3.826"					
				Packer Depth(s) 2403' - 2408' Ft.					
				Depth Tester Valve 2390' Ft.					
TYPE		AMOUNT		Depth Back Pres. Valve		Surface Choke		Bottom Choke	
Cushion						3/4"		3/4"	
Recovered		1990 Feet of gas.		Remarks Opened tools for a 59 minute first flow period with good strong blow , gas to surface in 9 minutes through 3/4" choke, 190,000 cubic feet per day- same on final flow. Closed tool for a 60 minute first closed in pressure Opened tool for a 46 minute second flow period with good strong blow, gas to surface in 9 minutes. Closed tool for a 61 minute final closed in pressure period.					
Recovered		270' Feet of gassy oil cut mud.							
Recovered		120' Feet of slightly mud cut, oil and gas.							
Recovered		Feet of _____							
Recovered		Feet of _____							
TEMPERATURE		Gauge No. 537		Gauge No. 291		Gauge No. _____		TIME	
Depth: 2395' Ft.		Depth: 2476' Ft.		Depth: _____ Ft.		Hour Clock		Tool _____ A.M.	
Est. 106 °F.		Blanked Off NO		Blanked Off YES		Blanked Off		Opened _____ P.M.	
Actual _____ °F.		Pressures		Pressures		Pressures		Opened _____ A.M.	
		Field Office		Field Office		Field Office		Bypass _____ P.M.	
Initial Hydrostatic		1239 1208		- 1229				Reported _____	
Flow Initial		63 35		- 75				Minutes _____	
Flow Final		141 114		- 139				Computed _____	
Closed in		925 903		- 929				60 59	
Flow Initial		110 99		- 131				60 60	
Flow Final		156 138		- 166				45 46	
Closed in		893 903		- 929				60 61	
Flow Initial									
Flow Final									
Closed in									
Final Hydrostatic		1176 1171		- 1207					

Legal Location Sec. - Twp. - Rng. _____
 Lease Name **L-B CAILLE COMPANY**
 Well No. _____
 Test No. **4**
 Tested Interval **2408' to 2480'**
 County **COMBLEY**
 State **KANSAS**
 Lease Owner/Company Name **EUFAULA ENTERPRISES, INCORPORATED**

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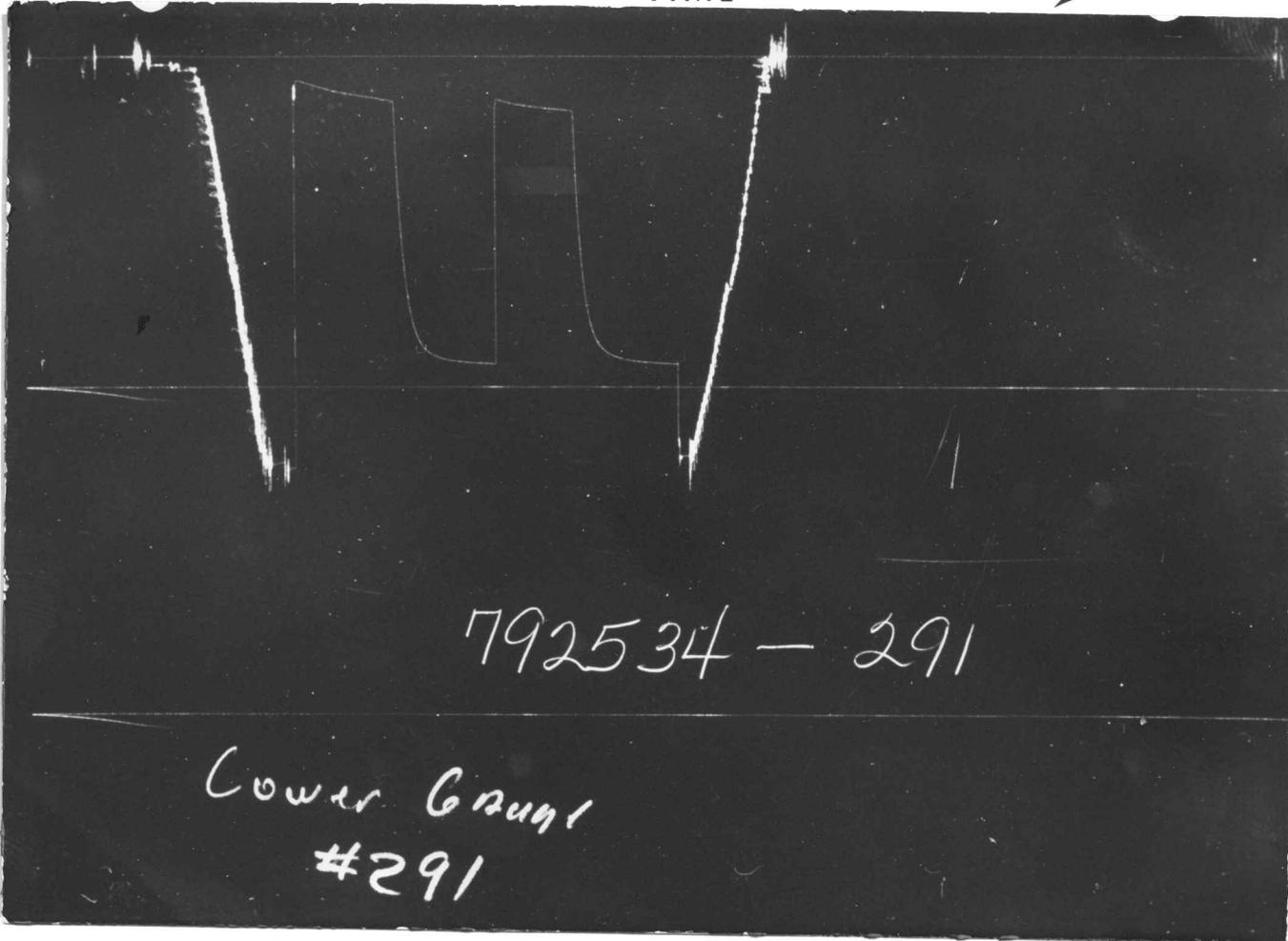
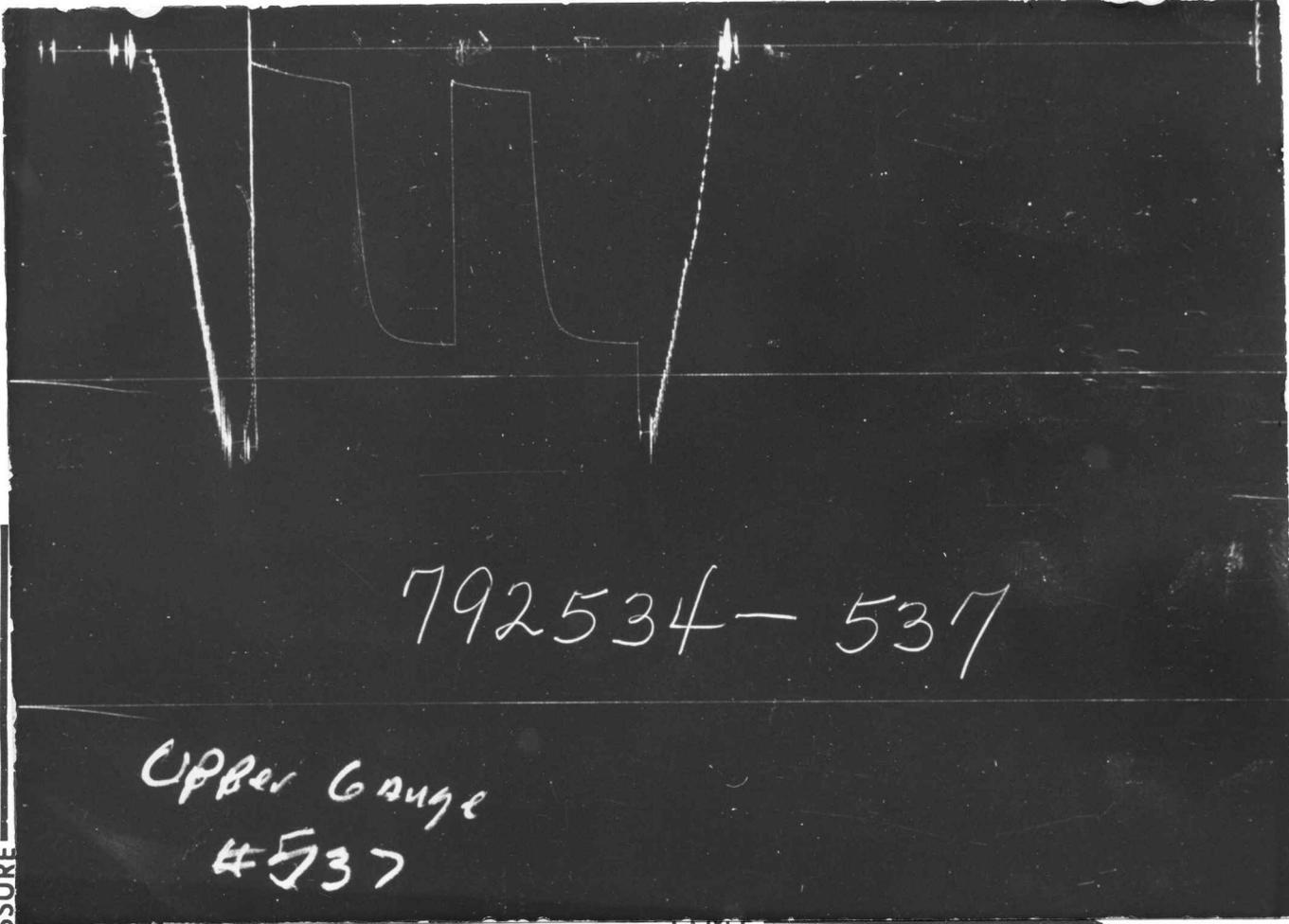
Gauge No. 537		Depth 2395'		Clock No. 4204		12 hour		Ticket No. 792534	
First Flow Period		First Closed In Pressure		Second Flow Period		Second Closed In Pressure		Third Flow Period	
Time Defl. .000"	PSIG Temp. Corr.								
$\text{Log } \frac{t + \theta}{\theta}$		$\text{Log } \frac{t + \theta}{\theta}$		$\text{Log } \frac{t + \theta}{\theta}$		$\text{Log } \frac{t + \theta}{\theta}$		$\text{Log } \frac{t + \theta}{\theta}$	
0	.0000	35		.0000	99	.0000	138		
1	.0600	55*		.0399	111**	.0331	615***		
2	.1266	71		.0931	120	.0596	768		
3	.1932	84		.1464	125	.0861	829		
4	.2598	92		.1996	127	.1126	857		
5	.3264	100		.2528	134	.1391	871		
6	.3930	114		.3060	138	.1656	881		
7				.1841	886	.1921	887		
8				.2104	890	.2186	892		
9				.2367	894	.2450	895		
10				.2630	897	.2715	897		
11				.2893	898	.2980	899		
12				.3156	900	.3245	900		
13				.3419	900	.3510	901		
14				.3682	902	.3775	902		
15				.3940	903	.4040	903		

Gauge No. 291		Depth 2380'		Clock No. 3121		12 hour	
Time Defl. .000"	PSIG Temp. Corr.						
$\text{Log } \frac{t + \theta}{\theta}$		$\text{Log } \frac{t + \theta}{\theta}$		$\text{Log } \frac{t + \theta}{\theta}$		$\text{Log } \frac{t + \theta}{\theta}$	
0	.0000	75		.0000	131	.0000	166
1	.0593	85*		.0295	139**	.0330	640***
2	.1253	100		.0922	148	.0595	790
3	.1912	112		.1449	154	.0859	856
4	.2571	121		.1976	159	.1123	884
5	.3231	129		.2503	162	.1388	900
6	.3890	139		.3030	166	.1652	908
7				.1834	913	.1916	914
8				.2096	918	.2180	918
9				.2358	921	.2445	921
10				.2620	924	.2709	924
11				.2882	925	.2973	925
12				.3144	927	.3238	927
13				.3406	928	.3502	928
14				.3668	929	.3766	929
15				.3930	929	.4030	929

Reading Interval	10	4	8	4	Minutes
REMARKS:	* INTERVAL = 9 MINUTES		** INTERVAL = 6 MINUTES *** INTERVAL = 5 MINUTES		

5

	O. D.	I. D.	LENGTH	DEPTH
Drill Pipe or Tubing				
Reversing Sub	5.75"	3.00"	1.00'	
Water Cushion Valve				
Drill Pipe	4.50"	3.826"	2020'	
Drill Collars	6.25"	2.50"	360'	
Handling Sub & Choke Assembly	4.50"	3.50"		
Dual CIP Valve	5.00"	.75"	5.00'	2385'
Dual CIP Sampler				
Hydro-Spring Tester	5.00"	.75"	5.00'	2390'
Multiple CIP Sampler				
Extension Joint				
AP Running Case	5.00"	1.75"	5.00'	2395'
Hydraulic Jar				
VR Safety Joint	5.00"	1.00"	3.00'	
Pressure Equalizing Crossover				
Packer Assembly	6.75"	1.50"	5.00'	2403'
Distributor				
Packer Assembly	6.75"	1.50"	4.00'	2408'
TAIL			1.00'	
Flush Joint Anchor DRILL COLLARS	4.50"	3.86"	59'	
Pressure Equalizing Tube FLUSH JOINT ANCHOR	4 9/16"	2.50"	8.00'	
Blanked-Off B.T. Running Case	4 9/16"	2.50"	4.00'	2476'
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				2480'



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

Gauge No. 537		Depth 2772'		Clock No. 4204		12 hour		Ticket No. 742856	
First Flow Period		First Closed In Pressure		Second Flow Period		Second Closed In Pressure		Third Flow Period	
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	.000	10	13	.000	13	.000	13		
1	.414	10	20*	.429	13	.373	44		
2			31						
3			40						
4			50						
5			60						
6			69						
7			78						
8			86						
9			95						
10			101						
11									
12									
13									
14									
15									

Gauge No. 291		Depth 2804'		Clock No. 3121		hour 12	
Time Defl. .000"	PSIG Temp. Corr.						
0	.000	24	24	.000	24	.000	24
1	.412	24	31*	.425	24	.373	55
2			42				
3			53				
4			63				
5			72				
6			82				
7			89				
8			98				
9			105				
10			113				
11							
12							
13							
14							
15							

Reading Interval 6

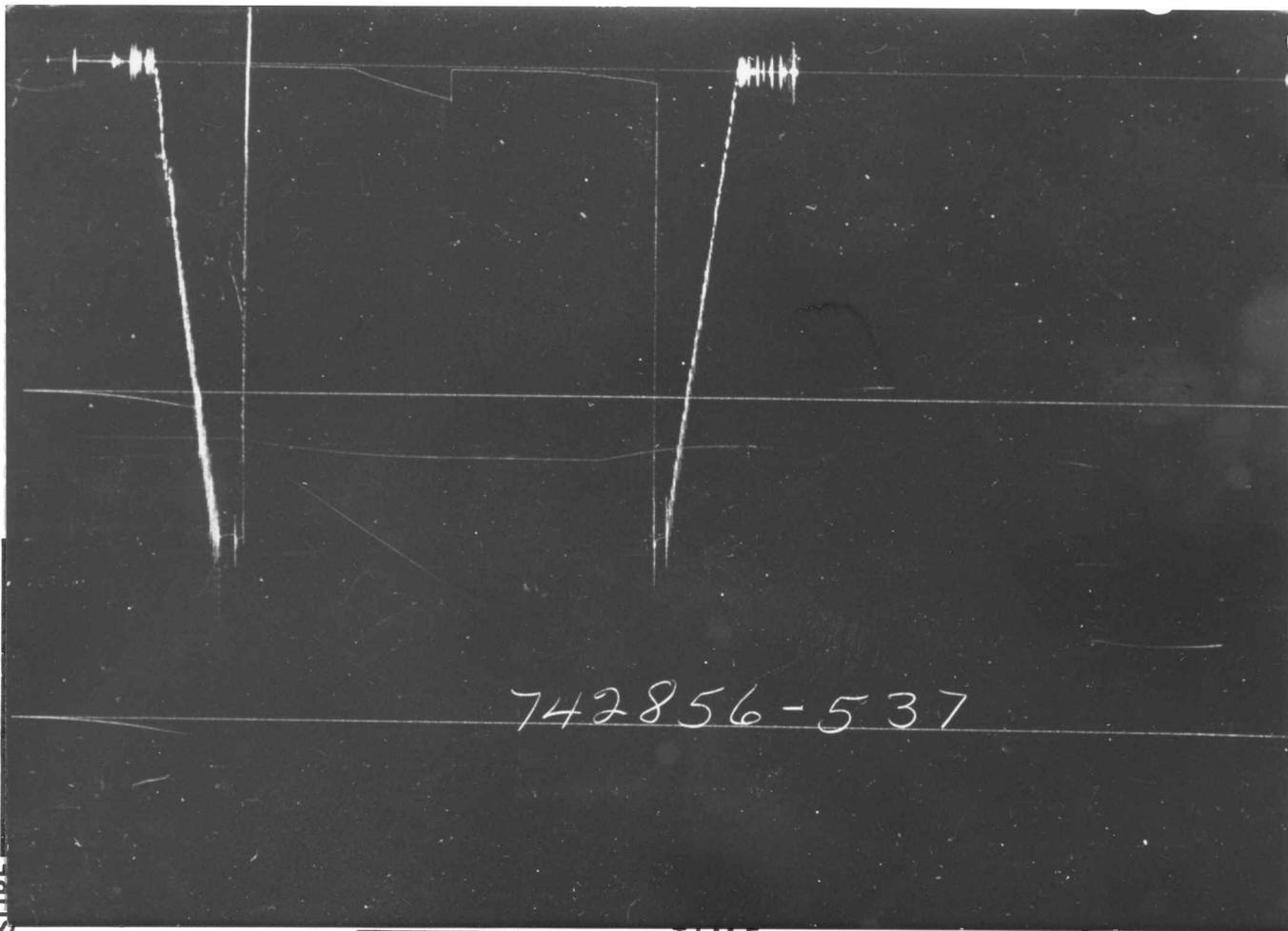
* First interval equal to 4 minutes.

Minutes

5

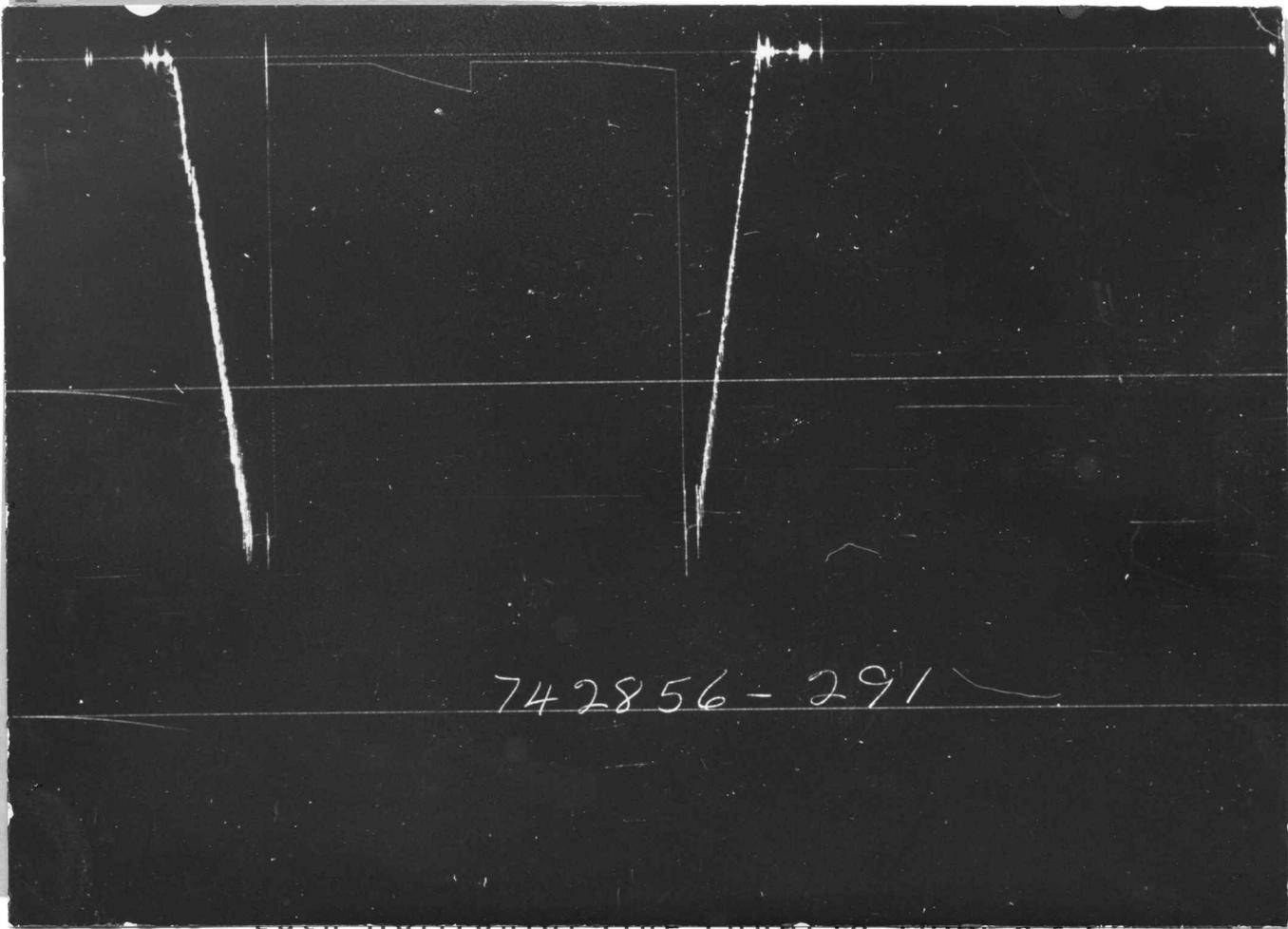


	O. D.	I. D.	LENGTH	DEPTH
Drill Pipe or Tubing				
Reversing Sub	5 3/4"	2"	1'	
Water Cushion Valve				
Drill Pipe	4 1/2"	3.826"	2127'	
Drill Collars	4 1/2"	2.764"	410'	
Handling Sub & Choke Assembly	4 1/2"	3.826"	4'	
Dual CIP Valve	5"	3/4"	4'	2764'
Dual CIP Sampler				
Hydro-Spring Tester	5"	3/4"	4'	2768'
Multiple CIP Sampler				
Extension Joint				
AP Running Case	5"	2 1/4"	4'	2772'
Hydraulic Jar				
VR Safety Joint	5"	1"	3'	
Pressure Equalizing Crossover				
Packer Assembly	6 3/4"	2 1/4"	4'	2781'
Distributor				
Packer Assembly	6 3/4"	2 1/4"	4'	2786'
Flush Joint Anchor	5"	2 1/4"	18'	
Pressure Equalizing Tube				
Blanked-Off B.T. Running Case	5"	2 1/4"	4'	2804'
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				2808'



PRESSURE

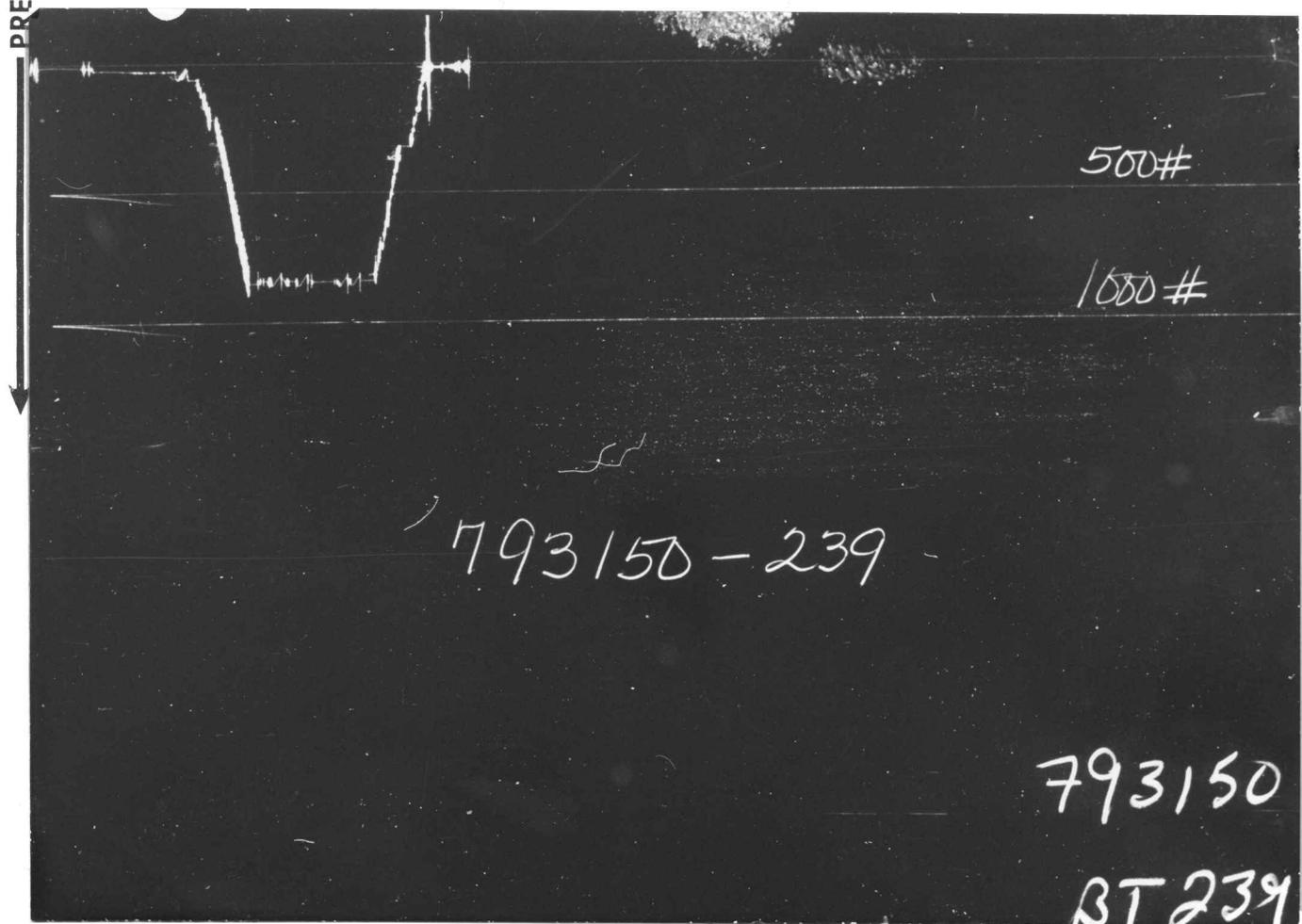
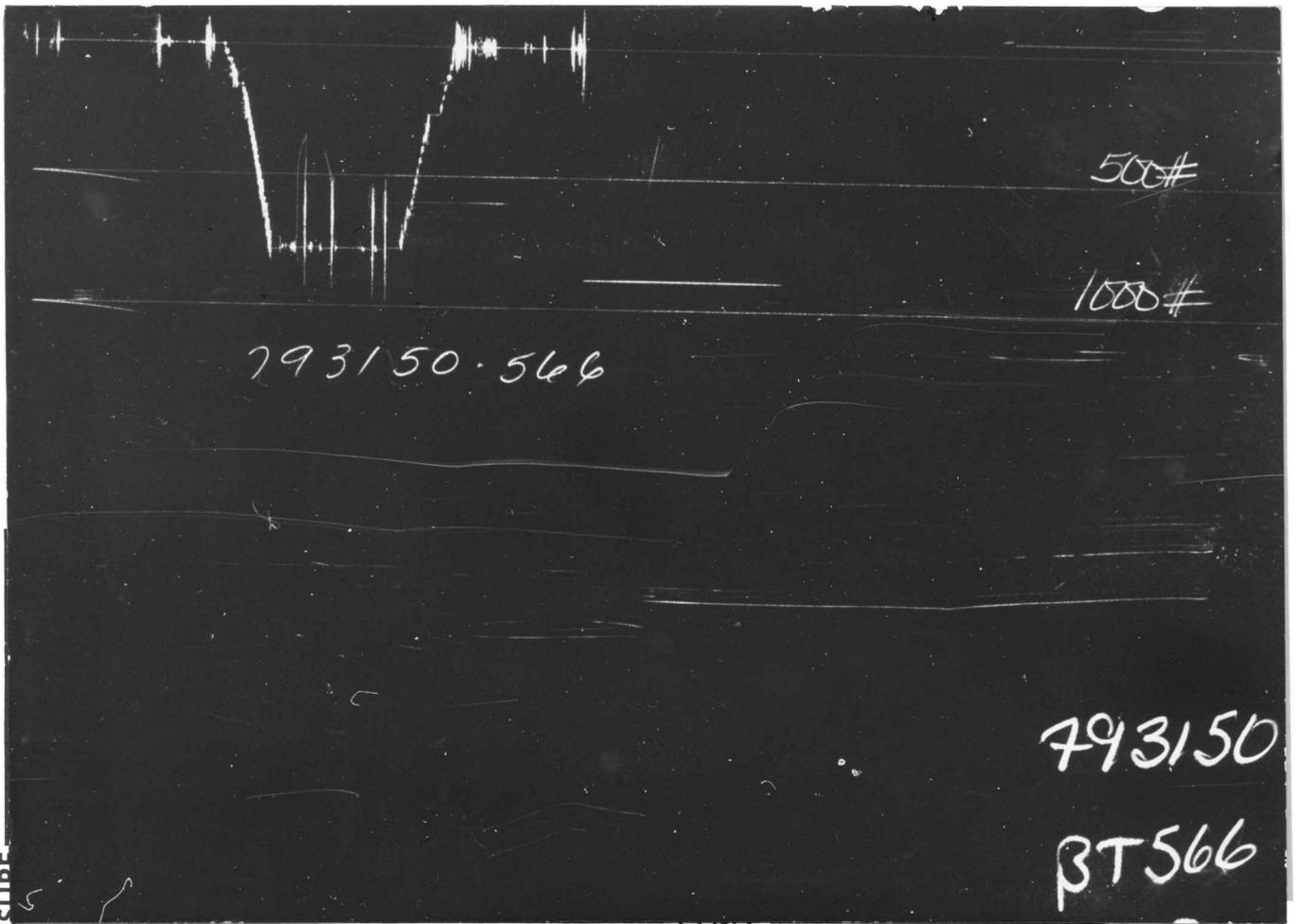
TIME



Each horizontal line equals 1000 p.s.i.



	O. D.	I. D.	LENGTH	DEPTH
Drill Pipe or Tubing	5"	3.00"	1'	
Reversing Sub				
Water Cushion Valve				
Drill Pipe	4 1/2"	3.826"	1136'	
Drill Collars		3.250"	400'	
3 1/2"FH to 4 1/2"FH Sub	5"	3.00"	1'	
Running Sub & Check Assembly	5"	.87"	5'	1550'
Dual CIP Valve				
Dual CIP Sampler				
Hydro-Spring Tester	5"	.75"	5'	1555'
Multiple CIP Sampler				
Extension Joint				
AP Running Case	5"	2.25"	4'	1561'
Hydraulic Jar	5"	1.75"	5'	
VR Safety Joint	5"	1.00"	3'	
Pressure Equalizing Crossover				
Packer Assembly NR	6 3/4"	1.53"	5'	1575'
Blank Off	5"	2.37"	22'	
Blank Off	5"		1'	
Packer Assembly NR	6 3/4"	1.53"	5'	1603'
4 1/2"FH to 3 1/2"FH Sub	5"	3.00"	1'	
Pressure Equalizing Tube				
Blanked-Off B.T. Running Case				
Drill Collar	4 1/2"	3.826"	31'	
Anchor Pipe Safety Joint				
3 1/2"FH to 4 1/2"FH Sub	5"	3.00"	1'	
Packer Assembly				
Distributor				
Packer Assembly				
Anchor Pipe Safety Joint				
Side Wall Anchor	6 3/4"		6'	1638'
Drill Collars				
Flush Joint Anchor	5"	2.37"	2'	
Blanked-Off B.T. Running Case	5"	2.75"	4'	1645'
Total Depth				2921'



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

FLUID SAMPLE DATA				Date	Ticket Number	
Sampler Pressure _____ P.S.I.G. at Surface				8-15-75	742826	
Recovery: Cu. Ft. Gas _____				Kind of Job	Halliburton District	
cc. Oil _____				OPEN HOLE STRADDLE	EL DORADO	
cc. Water _____				Tester	Witness	
cc. Mud _____				STEVE CANNON	MR. ELSTREE	
Tot. Liquid cc. _____				Drilling Contractor	SM S	
Gravity _____ ° API @ _____ °F.				COMPANY TOOLS		
Gas/Oil Ratio _____ cu. ft./bbl.				EQUIPMENT & HOLE DATA		
RESISTIVITY _____ CHLORIDE CONTENT _____				Formation Tested	Hoover	
Recovery Water @ _____ °F. _____ ppm				Elevation	-	
Recovery Mud @ _____ °F. _____ ppm				Net Productive Interval	14' _____ Ft.	
Recovery Mud Filtrate @ _____ °F. _____ ppm				All Depths Measured From	Kelly bushing _____ Ft.	
Mud Pit Sample @ _____ °F. _____ ppm				Total Depth	2921' _____ Ft.	
Mud Pit Sample Filtrate @ _____ °F. _____ ppm				Main Hole/Casing Size	7 7/8" Hole	
Mud Weight 9.9 vis 62 cp				Drill Collar Length	400' I.D. 2.764" WP	
TYPE AMOUNT				Drill Pipe Length	1167' I.D. 3.826"	
Cushion				Packer Depth(s)	1590-1604' _____ Ft.	
				Depth Tester Valve	1571' _____ Ft.	
				Surface Choke	1/4" Bottom Choke 3/4"	
Recovered 75 Feet of lightly oil cut mud				Field Area		
Recovered _____ Feet of _____				Med. From Tester Valve		
Recovered _____ Feet of _____				WILDCAT		
Recovered _____ Feet of _____				County		
Recovered _____ Feet of _____				COMLEY		
Remarks SEE PRODUCTION TEST DATA SHEET...Bottom packer apparently did not seat momentarily...geologist agreed to a valid DST.				State		
				KANSAS		
TEMPERATURE		Gauge No. 566	Gauge No. 239	Gauge No.	TIME	
Depth: 1576 Ft.		Depth: 1645 Ft.	Depth: _____ Ft.	Hour Clock		
Est. 95 °F.		Blanked Off NO	Blanked Off YES	Blanked Off		Tool A.M.
Actual °F.		Pressures		Pressures		Opened 1236 XXXM.
		Field Office	Field Office	Field Office	Field Office	Opened XXXX
		786 798	- 838			Bypass 1620 P.M.
Initial Hydrostatic						Reported Computed
Flow Initial						Minutes Minutes
Flow Final						_____
Closed in						29 6
Flow Initial						45 66
Flow Final						_____
Closed in						90 92
Flow Initial						60 60
Flow Final						_____
Closed in						_____
Final Hydrostatic						_____

Legal Location Sec - Twp. - Rng. 1-12-345
 Lease Name & ORIGINATOR
 Well No. 1350-1004
 Test Interval
 Field Area
 Med. From Tester Valve
 County
 State
 Tested Interval
 WILDCAT
 COMLEY
 KANSAS
 EUFOLA ENTERPRISES
 Lessee Owner/Company Name

Casing perms. _____ Bottom choke 3/4" Surf. temp. _____ °F Ticket No. 742826
 Gas gravity _____ Oil gravity _____ GOR _____
 Spec. gravity _____ Chlorides _____ ppm Res. _____ @ _____ °F

INDICATE TYPE AND SIZE OF GAS MEASURING DEVICE USED _____

Date Time	a.m. p.m.	Choke Size	Surface Pressure psi	Gas Rate MCF	Liquid Rate BPD	Remarks
1000						Made up tools
1145						Started in hole
1231						Set Hook
1236						Tool opened with a weak blow
1256						No blow
1305						Tool closed
1350						Tool opened with a very
						strong blow
1351						Opened 1" valve on flow
						line.
						Blow dying off
1354						Closed 1" valve on flow line.
1356						Very weak blow
1358						Flushed tool
						good blow, slowly building to
						strong blow.
1421						Opened flow line.
1422						Closed flow line
						weak blow, slowly increasing
						to a good blow.
1520						Tool closed
1620						Pulled out of the hole.

Gauge No. 566		Depth 1576'		Clock No. 13663		12 hour		Ticket No. 742826	
First Flow Period		First Closed In Pressure		Second Flow Period		Second Closed In Pressure		Third Flow Period	
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 18	.0000 24	.0000 32	.0000 43	.0000 43	.0000 43	.0000 43	.0000 43	.0000 43
1	.0065 18	.0404 72	.0600BB 31	.0403 64	.0403 64	.0403 64	.0403 64	.0403 64	.0403 64
2	.0130 20	.0807 114	.0630AB 41	.0806 90	.0806 90	.0806 90	.0806 90	.0806 90	.0806 90
3	.0195 21	.1211 151	.6130 43	.1209 117	.1209 117	.1209 117	.1209 117	.1209 117	.1209 117
4	.0260 22	.1614 186		.1612 146	.1612 146	.1612 146	.1612 146	.1612 146	.1612 146
5	.0325 23	.2018 219		.2015 173	.2015 173	.2015 173	.2015 173	.2015 173	.2015 173
6	.0390 24	.2422 252		.2418 202	.2418 202	.2418 202	.2418 202	.2418 202	.2418 202
7		.2825 281		.2821 226	.2821 226	.2821 226	.2821 226	.2821 226	.2821 226
8		.3229 306		.3224 249	.3224 249	.3224 249	.3224 249	.3224 249	.3224 249
9		.3632 329		.3627 268	.3627 268	.3627 268	.3627 268	.3627 268	.3627 268
10		.4036 348		.4030 285	.4030 285	.4030 285	.4030 285	.4030 285	.4030 285
11		.4440 363							
12									
13									
14									
15									

Gauge No. 239		Depth 1645'		Clock No. 3459		12 hour	
0							
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							

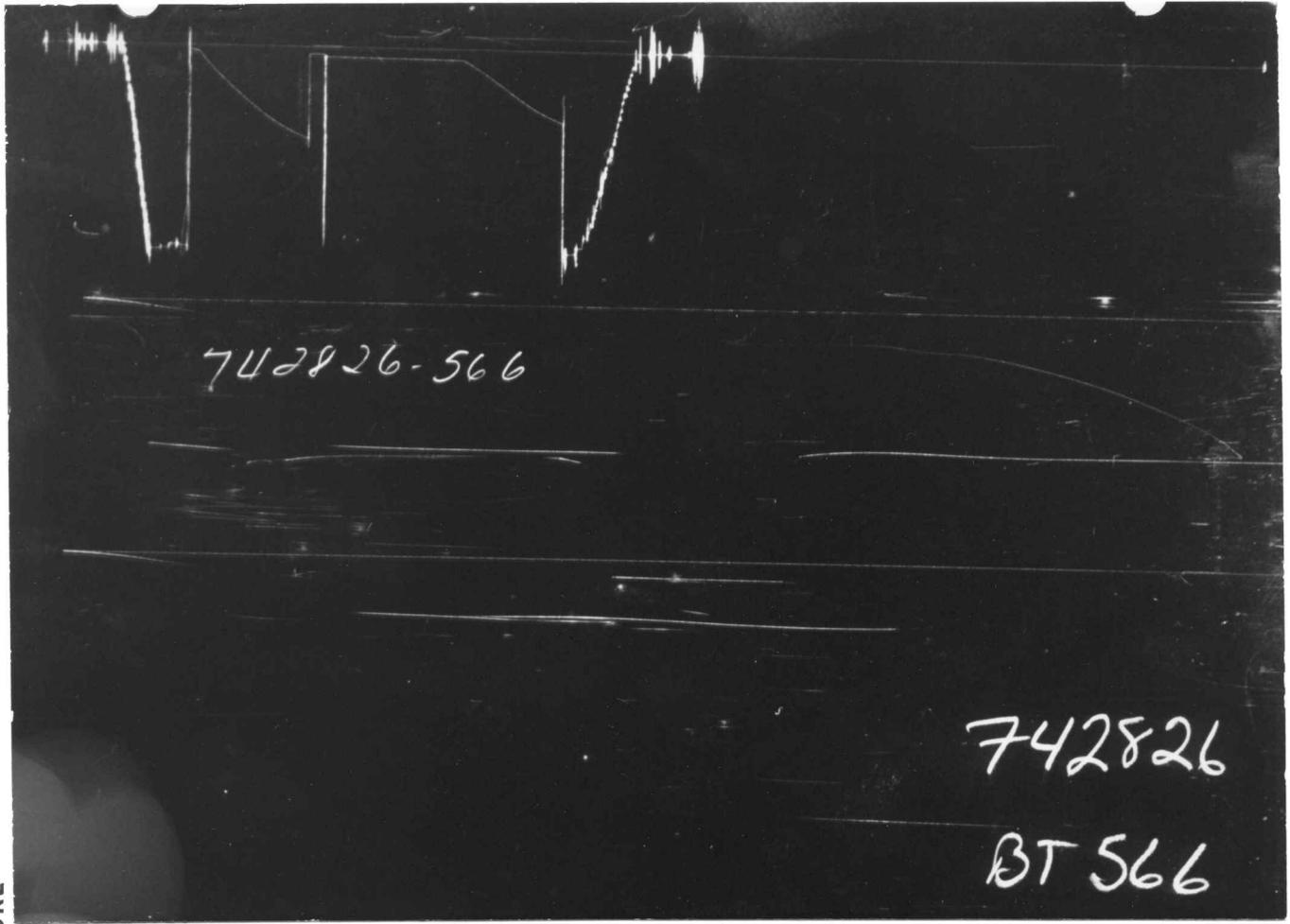
Reading Interval 1 6 Minutes

REMARKS: BB = before bypassing AB = after bypassing

Hydrostatic release.....567

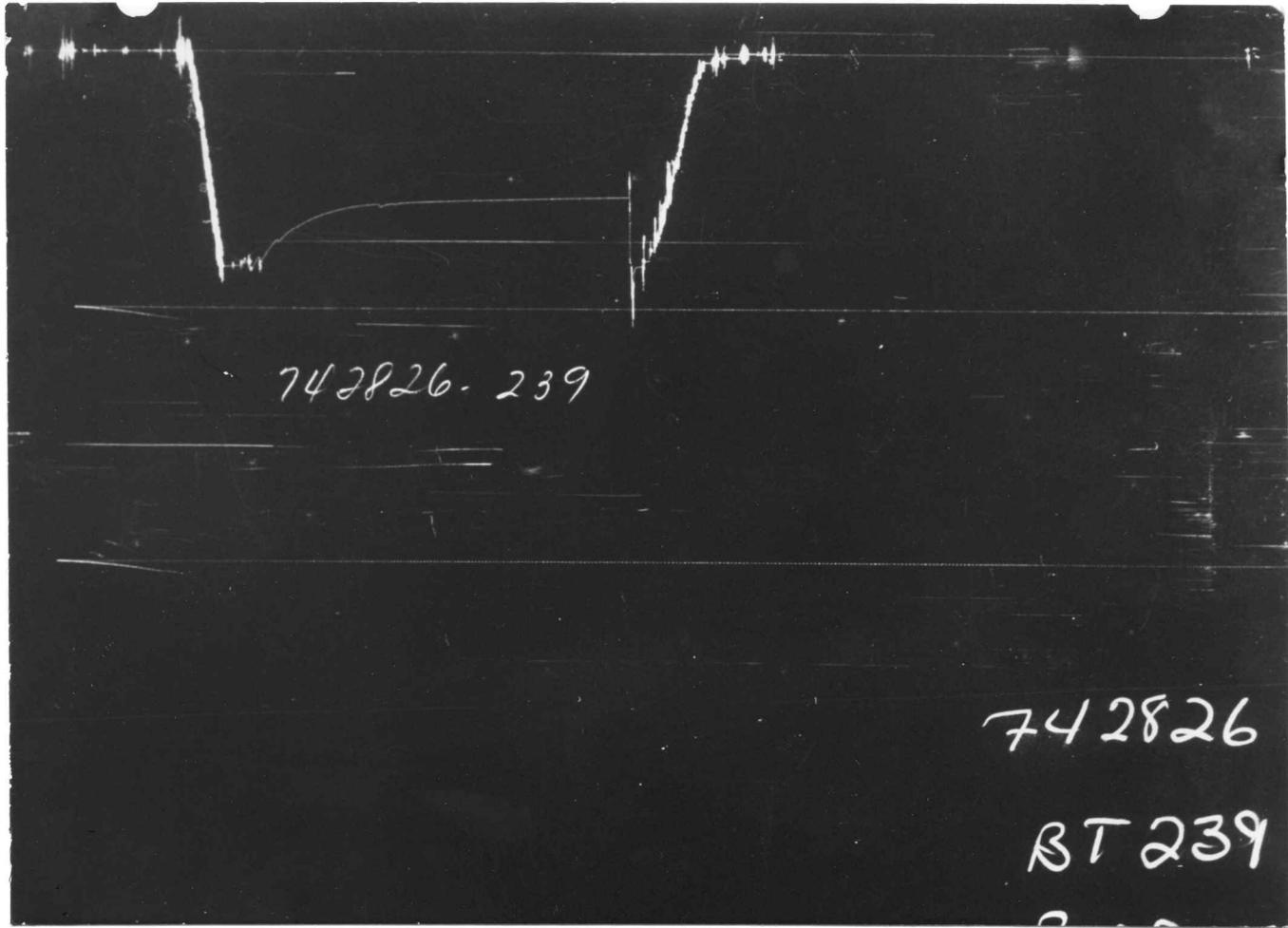


	O. D.	I. D.	LENGTH	DEPTH
Drill Pipe or Tubing				
Reversing Sub	5"	3.00"	1'	
Water Cushion Valve				
Drill Pipe	4 1/2"	3.826"	1167'	
Drill Collars Wt. Pipe	4 1/2"	2.764"	400'	
3 1/2" FH to 4 1/2" FH Sub 3 1/2" FH to 4 1/2" FH Sub	5"	3.00"	1'	
Hydraulic Sub & Crossover Assembly				
Dual CIP Valve	5"	.87"	5'	1566'
Dual CIP Sampler				
Hydro-Spring Tester	5"	.75"	5'	1571'
Multiple CIP Sampler				
Extension Joint				
AP Running Case	5"	2.25"	4'	1576'
Hydraulic Jar	5"	1.75"	5'	
VR Safety Joint	5"	1.00"	3'	
Pressure Equalizing Crossover				
Packer Assembly NR	6 3/4"	1.53"	5'	1590'
Overhaul Anchor	5"	2.37"	8'	
Blank Off	5"		1'	
Packer Assembly ... NR	6 3/4"	1.53"	5'	1604'
4 1/2" FH to 3 1/2" FH Sub 4 1/2" FH to 3 1/2" FH Sub	5"	3.00"	1'	
Pressure Equalizing Anchor				
Pressure Equalizing Tube				
Blanked-Off B.T. Running Case				
Drill Pipe	4 1/2"	3.826"	31'	
Drill Collars				
Anchor Pipe Safety Joint				
3 1/2" FH to 4 1/2" FH Sub	5"	3.00"	1'	
Packer Assembly				
Distributor				
Packer Assembly				
Anchor Pipe Safety Joint				
Side Wall Anchor	6 3/4"		6'	1637'
Drill Collars				
Flush Joint Anchor	5"	2.37"	1'	
Blanked-Off B.T. Running Case	5"	2.75"	4'	1645'
Total Depth				2921'



PRESSURE

TIME



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

FLUID SAMPLE DATA				Date	8-16-75 <th>Ticket Number</th> <td>742827 </td>	Ticket Number	742827
Sampler Pressure _____ P.S.I.G. at Surface				Kind of Job	OPEN HOLE	Halliburton District	EL DORADO
Recovery: Cu. Ft. Gas _____				Tester	STEVE CANNON	Witness	MR. ELSTREE
cc. Oil _____				Drilling Contractor	COMPANY TOOLS	SM	S
cc. Water _____				EQUIPMENT & HOLE DATA			
cc. Mud _____				Formation Tested	Mississippi		
Tot. Liquid cc. _____				Elevation	-		
Gravity	° API @ _____ °F.			Net Productive Interval	145' Ft.		
Gas/Oil Ratio	RESISTIVITY _____ CHLORIDE CONTENT _____			All Depths Measured From	Kelly bushing Ft.		
Recovery Water	@ _____ °F.	ppm		Total Depth	2950' Ft.		
Recovery Mud	@ _____ °F.	ppm		Main Hole/Casing Size	7 7/8"		
Recovery Mud Filtrate	@ _____ °F.	ppm		Drill Collar Length	400' I.D.	2.764" WP	
Mud Pit Sample	@ _____ °F.	ppm		Drill Pipe Length	2505' I.D.	3.826"	
Mud Pit Sample Filtrate	@ _____ °F.	ppm		Packer Depth(s)	2805' Ft.		
Mud Weight	9.2 vis	42 cp		Depth Tester Valve	2785' Ft.		
TYPE AMOUNT				Surface Choke	1/4"	Bottom Choke	3/4"
Cushion	Ft.		Depth Back Pres. Valve				
Recovered	320	Feet of	drilling mud				
Recovered	60	Feet of	slightly oil & gas cut mud				
Recovered	182	Feet of	heavy oil & gas cut mud				
Recovered		Feet of					
Recovered		Feet of					
Remarks	Tool opened for 58 minute first flow period with a strong blow with no gas. Closed tool for 60 minute first closed in pressure period. Tool reopened for 60 minute second flow with a good to strong blow, no gas. Closed tool for 62 minute second closed in pressure period. No gas to the surface						
TEMPERATURE	Gauge No. 566	Gauge No. 239	Gauge No.	TIME			
	Depth: 2790 Ft.	Depth: 2947 Ft.	Depth: _____ Ft.				
Est. 120 °F.	12 Hour Clock	12 Hour Clock	Hour Clock	Tool A.M.			
	Blanked Off NO	Blanked Off YES	Blanked Off	Opened 0625P.M.			
Actual °F.	Pressures		Pressures		Pressures		Reported
	Field	Office	Field	Office	Field	Office	Computed
Initial Hydrostatic	1384	1388	-	1466			Minutes
First Period Flow	Initial	32	35	-	109		
	Final	84	182	-	268	60	58
	Closed in	1125	1104	-	1189	60	60
Second Period Flow	Initial	85	198	-	278		
	Final	227	280	-	368	60	60
	Closed in	1082	1079	-	1163	60	62
Third Period Flow	Initial						
	Final						
	Closed in						
Final Hydrostatic	1323	1366	-	1445			

Legal Location Sec. - Twp. - Rng. 1 - 12-34 S
 Lease Name
 Well No.
 Field Area WILDCAT
 Meas. From Tester Valve
 Tested Interval
 County COWLEY
 State KANSAS
 Lease Owner/Company Name

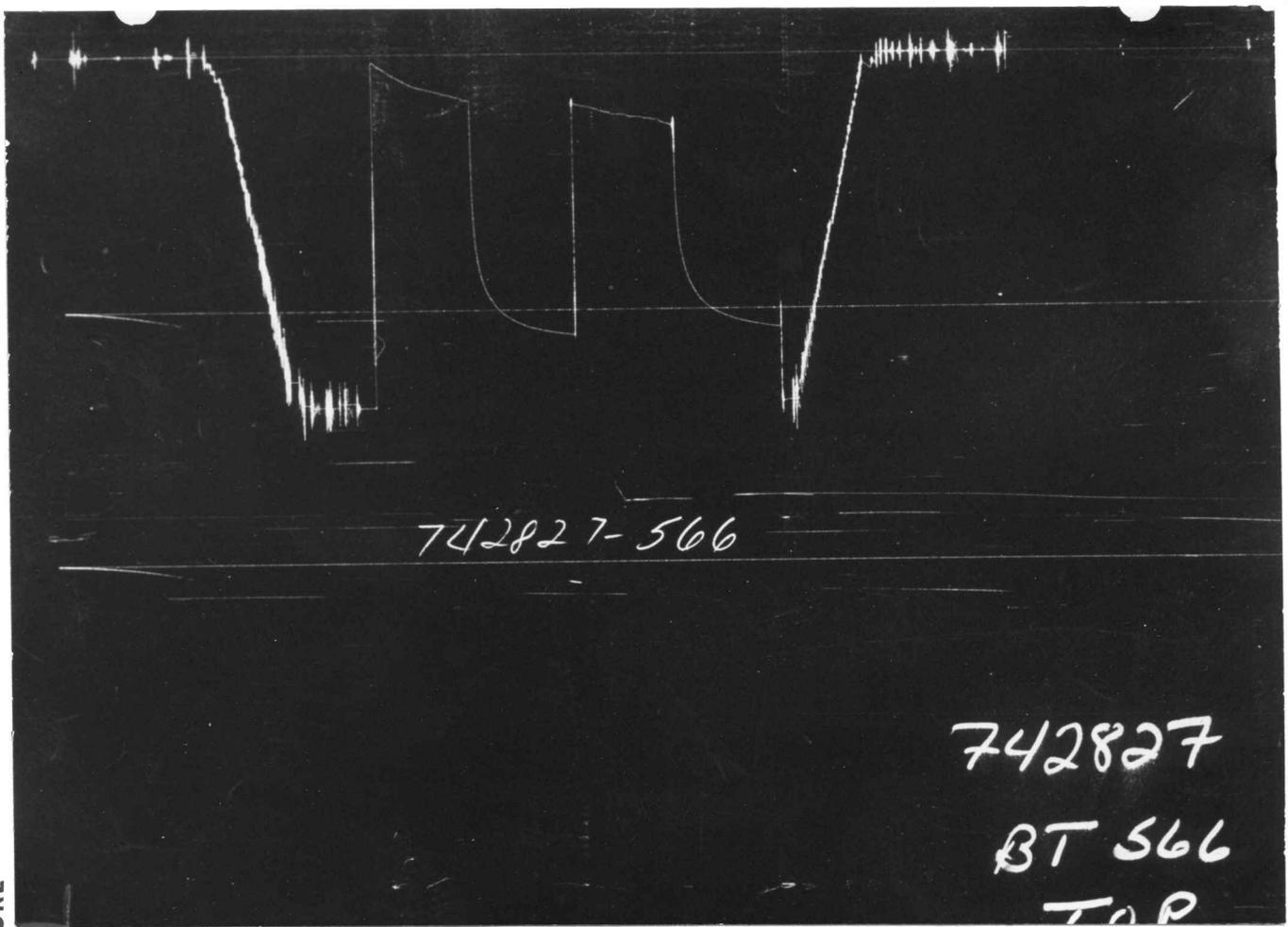
Gauge No. 566		Depth 2790'		Clock No. 13663		12 hour		Ticket No. 742827	
First Flow Period		First Closed In Pressure		Second Flow Period		Second Closed In Pressure		Third Flow Period	
Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.
0	.0000 35	.0000	182	.0000	198	.0000	280		
1	.052* 65	.0273	838	.0682	209	.0404**	859		
2	.1220 105	.0545	930	.1363	228	.0673	922		
3	.1897 132	.0818	975	.2045	239	.0942	963		
4	.2575 149	.1091	1011	.2727	250	.1211	992		
5	.3253 166	.1364	1032	.3409	260	.1480	1010		
6	.3930 182	.1636	1049	.4090	280	.1749	1023		
7		.1909	1060			.2018	1036		
8		.2182	1072			.2287	1046		
9		.2454	1079			.2556	1052		
10		.2727	1086			.2825	1059		
11		.3000	1090			.3094	1063		
12		.3272	1095			.3363	1068		
13		.3545	1099			.3632	1073		
14		.3818	1102			.3901	1076		
15		.4090	1104			.4170	1079		

Gauge No. 239		Depth 2947'		Clock No. 3459		12 hour	
Time Defl. .000"	PSIG Temp. Corr.						
0	.0000 109	.0000	268	.0000	278	.0000	368
1	.0526* 150	.0264	914	.0660	298	.0391**	940
2	.1182 190	.0528	1012	.1320	317	.0652	1002
3	.1839 219	.0792	1061	.1980	323	.0912	1045
4	.2496 236	.1056	1096	.2640	336	.1173	1071
5	.3153 253	.1320	1119	.3300	348	.1433	1092
6	.3810 268	.1584	1136	.3960	368	.1694	1105
7		.1848	1148			.1955	1118
8		.2112	1159			.2215	1128
9		.2376	1168			.2476	1136
10		.2640	1174			.2736	1143
11		.2904	1179			.2997	1148
12		.3168	1183			.3258	1153
13		.3432	1186			.3518	1158
14		.3696	1188			.3779	1161
15		.3960	1189			.4040	1163

Reading Interval 10 4 10 4

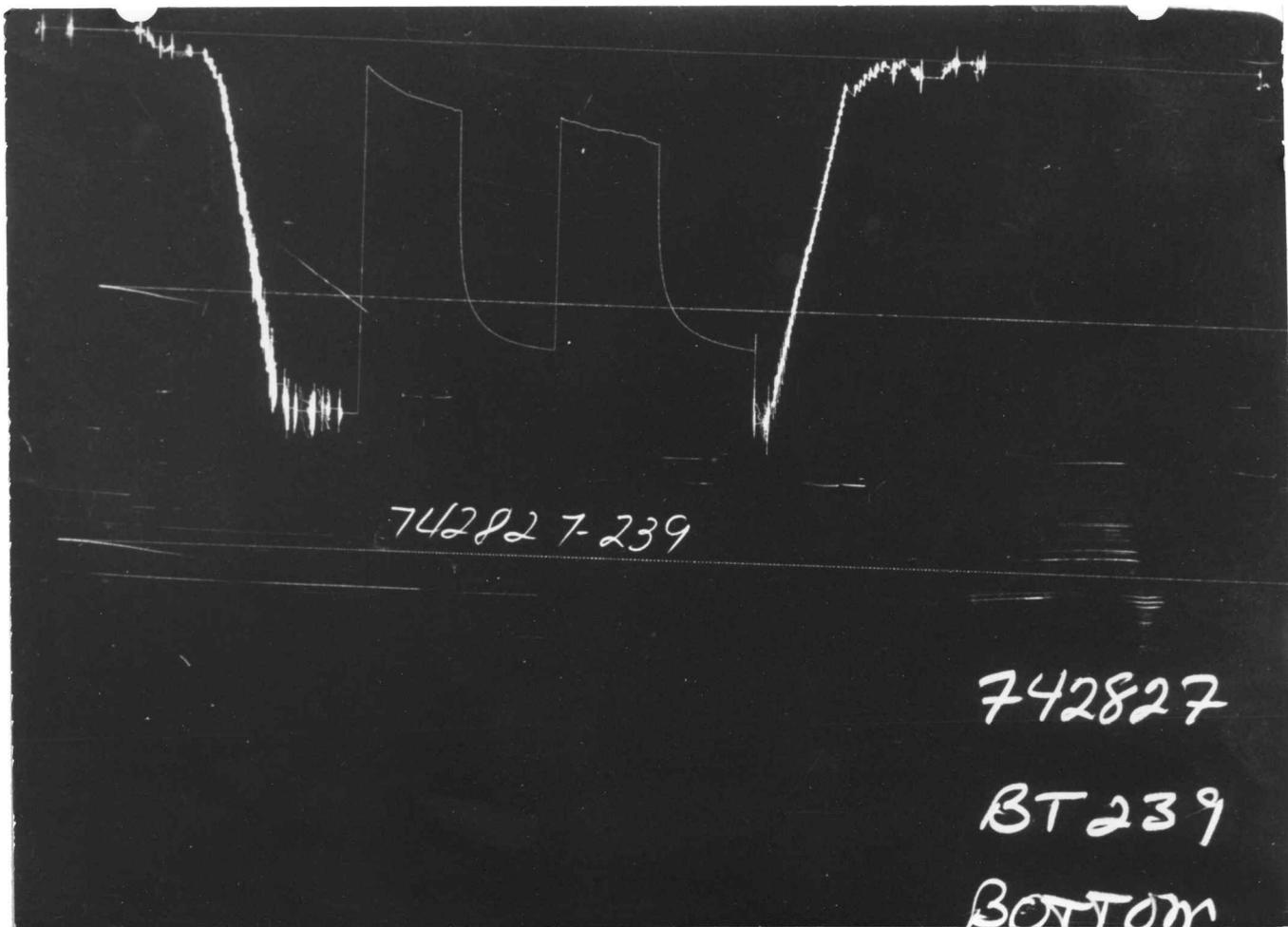
REMARKS: *First interval is equal to 8 minutes. ** = 4 minutes.

	O. D.	I. D.	LENGTH	DEPTH
Drill Pipe or Tubing				
Reversing Sub	5"	3.00"	1'	
Water Cushion Valve				
Drill Collar Weight Pipe	4 1/2"	3.826"	2505'	
Drill Collars		3.250"	400'	
3 1/2" FH to 4 1/2" FH Sub	5"	3.00"	1'	
Dual CIP Valve	5"	.87"	5'	2780'
Dual CIP Sampler				
Hydro-Spring Tester	5"	.75"	5'	2785'
Multiple CIP Sampler				
Extension Joint				
AP Running Case	5"	2.25"	4'	2790'
Hydraulic Jar	5"	1.75"	5'	
VR Safety Joint	5"	1.00"	3'	
Pressure Equalizing Crossover				
Packer Assembly				
Distributor				
Packer Assembly NR	6 3/4"	1.53"	5'	2805'
Flush Joint Anchor	5"	2.37"	6'	
Pressure Equalizing Tube				
4 1/2" FH to 3 1/2" FH Sub Blanked-Off B.T. Running Case	5"	3.00"	1'	
Drill Collar Weight Pipe	4 1/2"	3.250"	123'	
Anchor Pipe Safety Joint				
Packer Assembly				
Distributor				
Packer Assembly				
Anchor Pipe Safety Joint				
Side Wall Anchor				
3 1/2" FH to 4 1/2" FH Sub	5"	3.00"	1'	
Flush Joint Anchor	5"	2.37"	9'	
Blanked-Off B.T. Running Case	5"	2.75"	4'	2947'
Total Depth				2950'



PRESSURE

TIME



PRESSURE

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