

FLUID SAMPLE DATA				Date	9-1-75	Ticket Number	742864
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 S
cc. Water _____				EQUIPMENT & HOLE DATA			
cc. Mud _____				Formation Tested	Layton Sand		
Tot. Liquid cc. _____				Elevation	1275'	Estimated	Ft.
Gravity _____ ° API @ _____ ° F.	RESISTIVITY			Net Productive Interval	18'		Ft.
Gas/Oil Ratio _____ cu. ft./bbl.	CHLORIDE CONTENT			All Depths Measured From	Kelly Bushing		
Recovery Water _____ @ _____ ° F. _____ ppm				Total Depth	2248'		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	408'	WP-1537'	I.D. 2.764" - 3.826"
Mud Pit Sample Filtrate _____ @ _____ ° F. _____ ppm				Packer Depth(s)	2225' - 2230'		
Mud Weight 9.9 vis cp				Depth Tester Valve	2212'		
Cushion				TYPE	AMOUNT	Depth Back Pres. Valve	DCIP Valve Surface Choke
						2208'	1/4" 3/4"
Recovered	110	Feet of	Slightly oil cut muddy water				
Recovered	480	Feet of	Muddy salt water with a trace of oil				
Recovered		Feet of					
Recovered		Feet of					
Recovered		Feet of					
Remarks: Tool opened for a 60 minute first flow with blow building to strong in 7 minutes. Blow remained strong throughout period. Closed tool for 60 minute first closed in pressure. Reopened tool for 60 minute second flow with blow building to strong in two minutes and remained strong throughout period. Closed tool for 60 minute second closed in pressure. Specific Gravity 1.130 Chlorides 110,000							
TEMPERATURE		Gauge No. 537	Gauge No. 291	Gauge No.		TIME	
		Depth: 2216' Ft.	Depth: 2244' Ft.	Depth: Ft.			
Est. 97 °F.		12 Hour Clock	12 Hour Clock	Hour Clock		Tool A.M.	
		Blanked Off NO	Blanked Off YES	Blanked Off		Opened 7:45 P.M.	
Actual °F.		Pressures		Pressures		Opened A.M.	
		Field	Office	Field	Office	Bypass 11:45 P.M.	
Initial Hydrostatic		1208	1164	1178		Reported	Computed
						Minutes	Minutes
First Period	Flow Initial	31	20	35			
	Flow Final	204	205	219		60	60
	Closed in	799	782	795		60	60
Second Period	Flow Initial	204	211	224			
	Flow Final	298	298	313		60	60
	Closed in	799	775	791		60	60
Third Period	Flow Initial						
	Flow Final						
Final Hydrostatic		1192	1147	1162			

Legal Location Sec. - Twp. - Rng. CS/2 NE/NE 12-34S-6E
 Lease Name ALLEN
 Well No. 2230 - 2248
 Test No. OTTO
 Field Area Meo. From Tester Valve
 County COWLEY
 State KANSAS
 Lease Owner/Company Name EULFAULA ENTERPRISES, INCURPORATED

Gauge No. 537		Depth 2216'		Clock No. 4204		12 hour		Ticket No. 742864			
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.										
$\text{Log } \frac{t + \theta}{\theta}$		$\text{Log } \frac{t + \theta}{\theta}$		$\text{Log } \frac{t + \theta}{\theta}$		$\text{Log } \frac{t + \theta}{\theta}$		$\text{Log } \frac{t + \theta}{\theta}$		$\text{Log } \frac{t + \theta}{\theta}$	
0	.0000	20	205	.0000	211	.0000	298	.0000	298		
1	.0665	64	656	.0670	225	.0333	667	.0333	667		
2	.1330	104	708	.1340	243	.0667	708	.0667	708		
3	.1995	138	731	.2010	259	.1000	728	.1000	728		
4	.2660	170	747	.2680	272	.1333	741	.1333	741		
5	.3325	188	759	.3350	286	.1667	749	.1667	749		
6	.3990	205	766	.4020	298	.2000	755	.2000	755		
7			773			.2333	760	.2333	760		
8			777			.2667	765	.2667	765		
9			780			.3000	768	.3000	768		
10			782			.3333	770	.3333	770		
11						.3667	773	.3667	773		
12						.4000	775	.4000	775		
13											
14											
15											

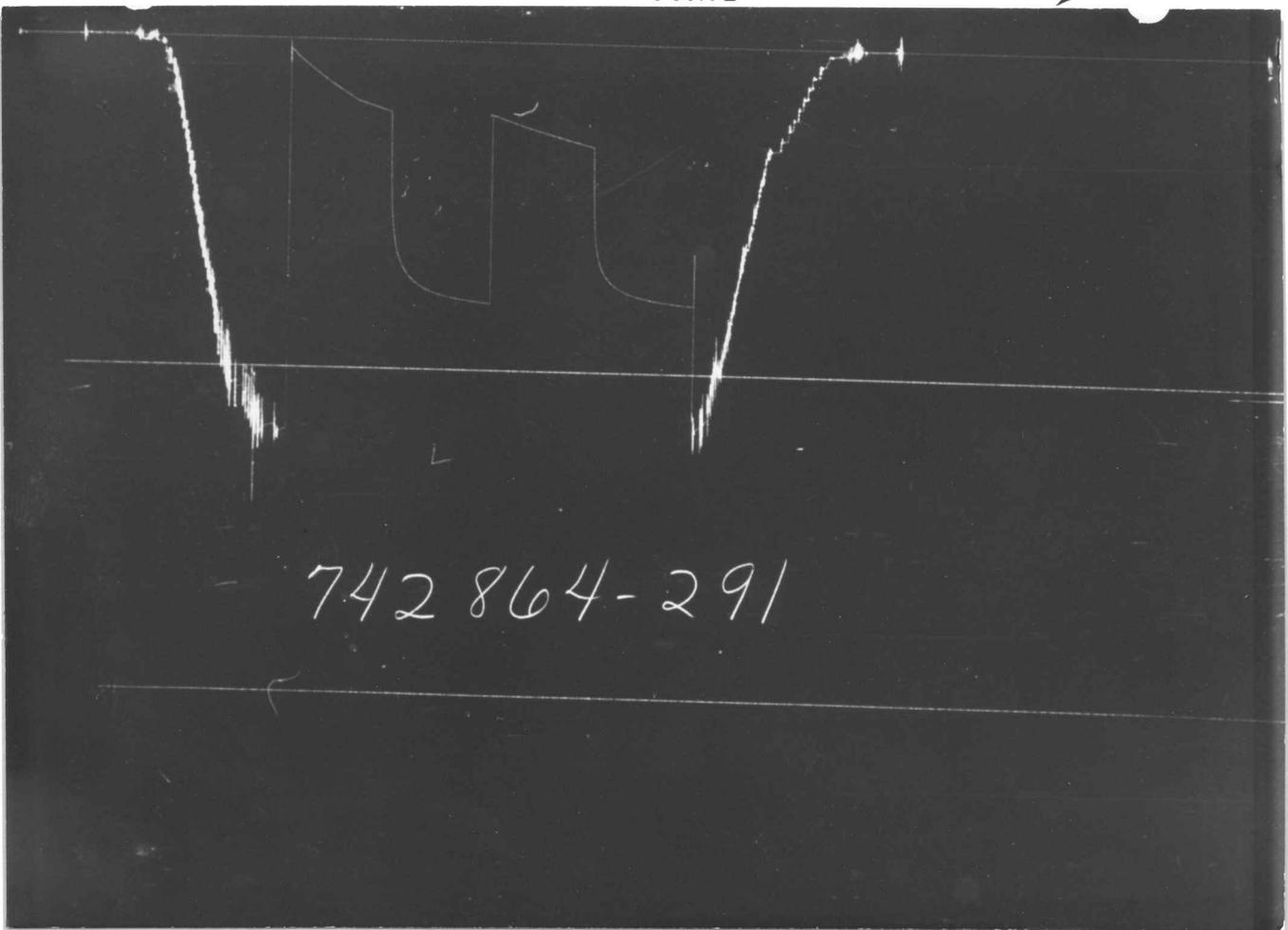
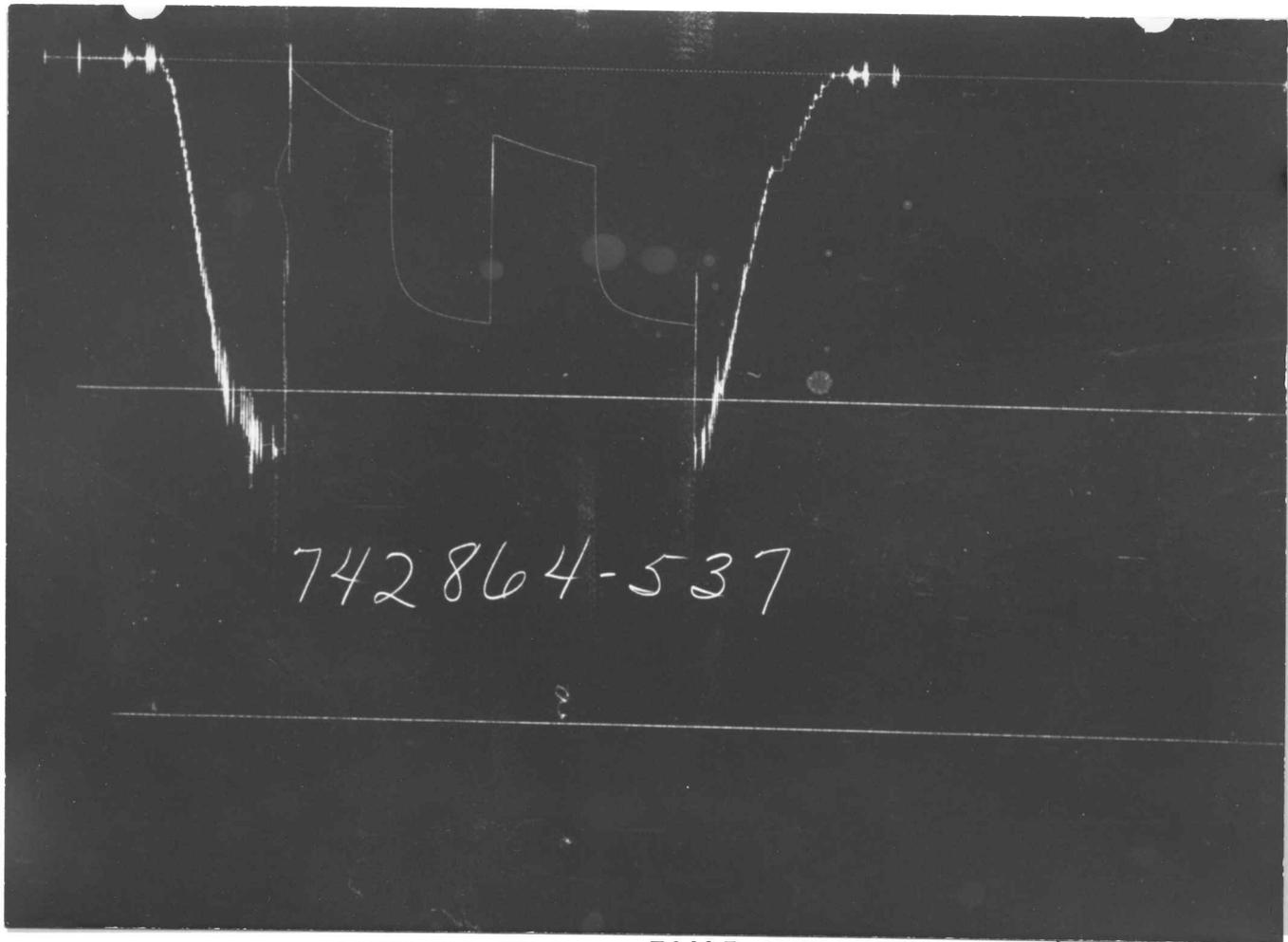
Gauge No. 291		Depth 2244'		Clock No. 3121		12 hour	
Time Defl. .000"	PSIG Temp. Corr.						
$\text{Log } \frac{t + \theta}{\theta}$		$\text{Log } \frac{t + \theta}{\theta}$		$\text{Log } \frac{t + \theta}{\theta}$		$\text{Log } \frac{t + \theta}{\theta}$	
0	.0000	35	219	.0000	224	.0000	313
1	.0662	77	672	.0662	240	.0331	683
2	.1323	116	721	.1323	256	.0662	722
3	.1985	152	746	.1985	272	.0992	743
4	.2647	184	761	.2647	286	.1323	756
5	.3308	201	772	.3308	300	.1654	765
6	.3970	219	779	.3970	313	.1985	771
7			785			.2316	776
8			790			.2647	780
9			793			.2977	784
10			795			.3308	786
11						.3639	790
12						.3970	791
13							
14							
15							

Reading Interval	10	6	10	5	Minutes

REMARKS:



	O. D.	I. D.	LENGTH	DEPTH
Drill Pipe or Tubing				
Reversing Sub	5 3/4"	2"	1'	
Water Cushion Valve	4 1/2" WP	2.764"	408'	
Drill Pipe	4 1/2"	3.826"	1537'	
Drill Collars	6 1/2"	2 1/4"	220'	
Handling Sub & Crossover Assembly	4 1/2"	3.826"	4'	
Dual CIP Valve	5"	3/4"	4'	2208'
Dual CIP Sampler				
Hydro-Spring Tester	5"	3/4"	4'	2212'
Multiple CIP Sampler				
Extension Joint				
AP Running Case	5"	2 1/4"	4'	2216'
Hydraulic Jar				
VR Safety Joint				
Pressure Equalizing Crossover				
Packer Assembly	6 3/4"	2 1/4"	4'	2225'
Distributor				
Packer Assembly	6 3/4"	2 1/4"	4'	2230'
Flush Joint Anchor	5"	2 1/4"	14'	
Pressure Equalizing Tube				
Blanked-Off B.T. Running Case	5"	2 1/4"	4'	2244'
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				2248'



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

FLUID SAMPLE DATA				Date 9-3-75		Ticket Number 742862	
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 Oswego Lime			
Tot. Liquid cc. _____				Elevation 1275' K.B. (estimated) Ft.			
Gravity _____ ° API @ _____ °F.		Gas/Oil Ratio _____ cu. ft./bbl.		Net Productive Interval 142' Ft.			
RESISTIVITY _____		CHLORIDE CONTENT _____		All Depths Measured From Kelly Bushing			
Recovery Water _____ @ _____ °F. _____ ppm		Recovery Mud _____ @ _____ °F. _____ ppm		Total Depth 2610' 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 9.8 vis 37 cp		Drill Collar Length _____ I.D.			
				Drill Pipe Length 2092'-347' W.P. I.D. 3.826"-2.764" WP			
				Packer Depth(s) 2463' - 2468' Ft.			
				Depth Tester Valve 2450' Ft.			
TYPE		AMOUNT		DCIP VALVE		Surface	
Cushion				Depth Back Pres. Valve 2446'		Choke 1/4" Bottom Choke 3/4"	
Recovered		175 Feet of		Drilling mud			
Recovered		60 Feet of		Thin drilling mud			
Recovered		185 Feet of		Muddy saltwater			
Recovered		Feet of					
Recovered		Feet of					
Remarks: Opened tool for a 60 minute first flow period with a strong blow in 10 minutes. Strong blow throughout flow period. Closed tool for a 60 minute initial closed in pressure period. Reopened tool for a 60 minute second flow period building to a strong blow in 8 minutes, strong blow throughout flow period. Closed tool for a 60 minute final closed in pressure period.							
TEMPERATURE		Gauge No. 537		Gauge No. 291		Gauge No.	
Depth:		2454' Ft.		2606' Ft.		Depth: Ft.	
Est. 101 °F.		12 Hour Clock		12 Hour Clock		Hour Clock	
Blanked Off No		Blanked Off Yes		Blanked Off		Tool A.M.	
Actual °F.		Pressures		Pressures		Bypass 10:30 = P.M.	
		Field Office		Field Office		Reported Computed	
Initial Hydrostatic		1286		1362		Minutes Minutes	
First Period	Flow Initial	15.7 22		100			
	Flow Final	156.8 153		230			
	Closed in	893.4 902		977		60 60	
Second Period	Flow Initial	156.8 163		237			
	Flow Final	219.5 217		293			
	Closed in	893.4 893		967		60 60	
Third Period	Flow Initial						
	Flow Final						
Final Hydrostatic		1241		1319			

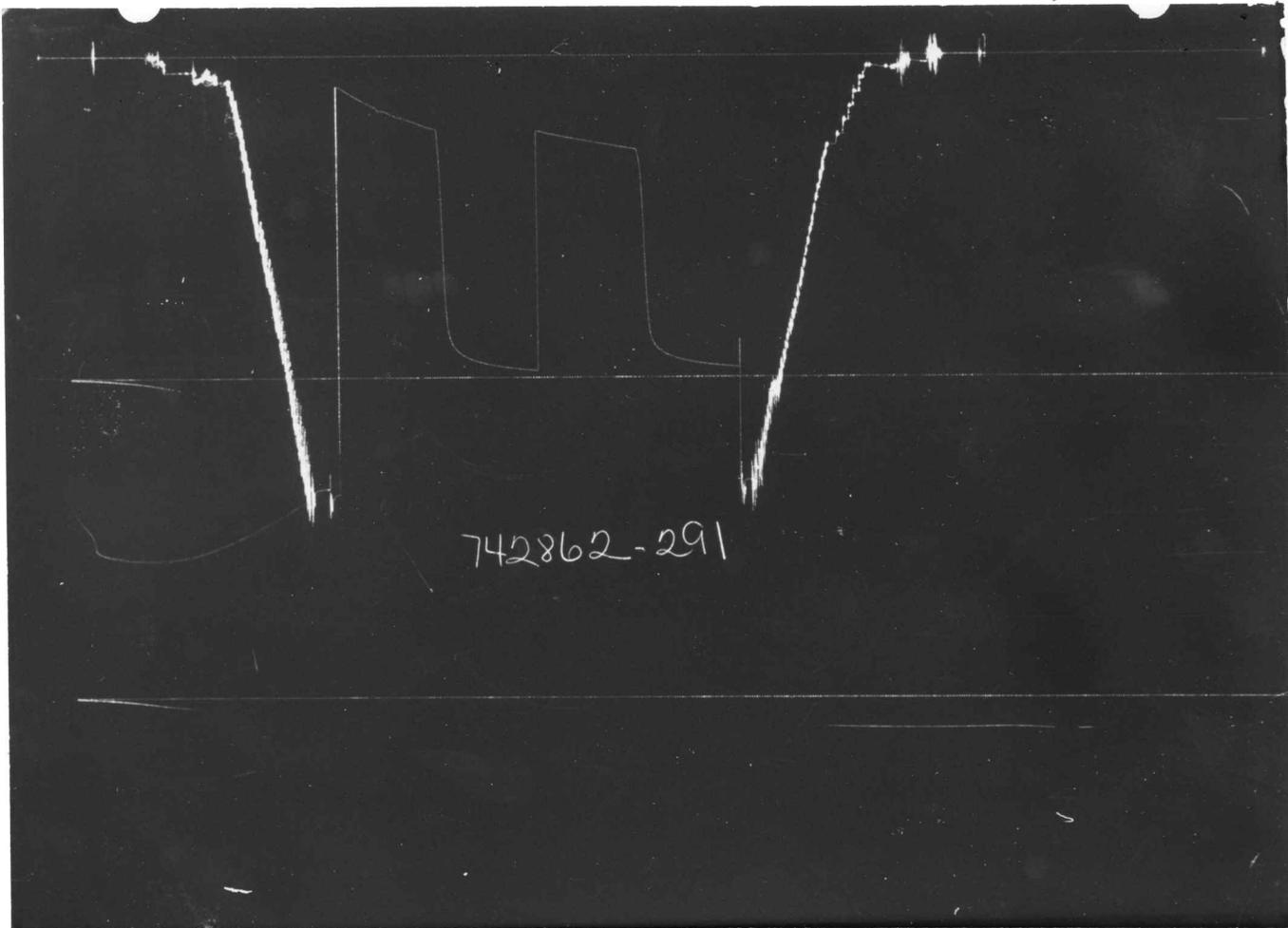
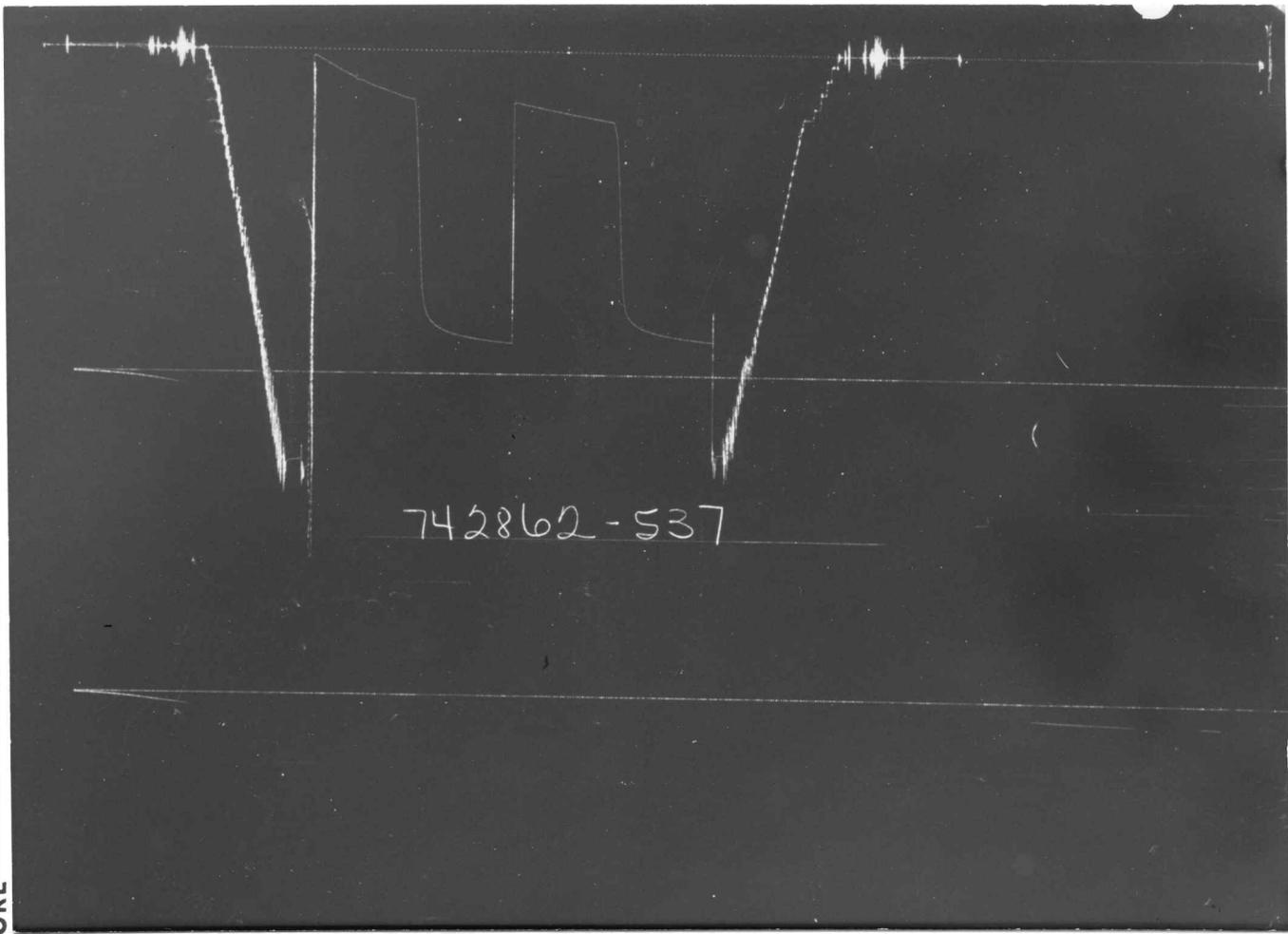
Legal Location Sec. - Twp. - Rng. NE-NE-SE 12 - 34S - 6E
 Lease Name ALLEN
 Well No. 2
 Test No. 2
 Tested Interval 2468' - 2610'
 Field Area OTTO
 County COMILEY
 State KANSAS
 Lease Owner/Company Name EUFULA ENTERPRISES, INCORPORATED

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Gauge No. 537		Depth 2454'		Clock No. 4204		12 hour		Ticket No. 742862			
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	.000	153	.000	163	.000	217	.000	217		
1	.0672	.0265	588	.0665	169	.0267	506	.0267	506		
2	.1343	.0529	809	.1330	180	.0535	804	.0535	804		
3	.2015	.0794	842	.1995	190	.0802	835	.0802	835		
4	.2687	.1059	857	.2660	199	.1069	850	.1069	850		
5	.3359	.1324	868	.3325	208	.1337	859	.1337	859		
6	.4030	.1588	875	.3990	217	.1604	866	.1604	866		
7		.1853	880			.1876	871	.1876	871		
8		.2118	884			.2138	875	.2138	875		
9		.2382	888			.2406	879	.2406	879		
10		.2647	891			.2673	882	.2673	882		
11		.2912	894			.2940	885	.2940	885		
12		.3176	897			.3208	887	.3208	887		
13		.3441	899			.3475	889	.3475	889		
14		.3706	901			.3742	891	.3742	891		
15		.3970	902			.4010	893	.4010	893		
291											
Gauge No. 291		Depth 2606'		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.	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	.000	230	.000	237	.000	293	.000	293		
1	.0663	.0265	671	.0663	246	.0268	546	.0268	546		
2	.1327	.0529	885	.1327	257	.0536	874	.0536	874		
3	.1990	.0794	917	.1990	266	.0804	910	.0804	910		
4	.2653	.1059	932	.2653	276	.1072	925	.1072	925		
5	.3317	.1324	942	.3317	285	.1340	934	.1340	934		
6	.3980	.1588	949	.3980	293	.1608	941	.1608	941		
7		.1853	954			.1876	947	.1876	947		
8		.2118	959			.2144	951	.2144	951		
9		.2382	963			.2412	954	.2412	954		
10		.2647	966			.2680	957	.2680	957		
11		.2912	969			.2948	959	.2948	959		
12		.3176	972			.3216	962	.3216	962		
13		.3441	974			.3484	964	.3484	964		
14		.3706	976			.3752	965	.3752	965		
15		.3970	977			.4020	967	.4020	967		
10											
Reading Interval		4		10		4				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"	2092'	
Drill Collars WEIGHT PIPE	4 1/2"	2.764"	347'	
Handling Sub & Choke Assembly	4 1/2"	3.826"	4'	
Dual CIP Valve	5"	3/4"	4'	2446'
Dual CIP Sampler				
Hydro-Spring Tester	5"	3/4"	4'	2450'
Multiple CIP Sampler				
Extension Joint				
AP Running Case	5"	2 1/4"	4'	2454'
Hydraulic Jar				
VR Safety Joint	5"	1"	3'	
Pressure Equalizing Crossover				
Packer Assembly	6 3/4"	2 1/4"	4'	2463'
Distributor				
Packer Assembly	6 3/4"	2 1/4"	4'	2468'
Flush Joint Anchor	5"	2 1/4"	138'	
Pressure Equalizing Tube				
Blanked-Off B.T. Running Case	5"	2 1/4"	4'	2606'
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				2610'



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

FLUID SAMPLE DATA				Date 9-4-75		Ticket Number 742865	
Sampler Pressure _____ P.S.I.G. at Surface				Kind of Job OPEN HOLE		Halliburton District WINFIELD	
Recovery: Cu. Ft. Gas _____				Tester J. DURHAM		Witness T. ELSTER	
cc. Oil _____				Drilling Contractor COMPANY TOOLS SM S			
cc. Water _____				EQUIPMENT & HOLE DATA			
cc. Mud _____				Formation Tested Bartlesville sand			
Tot. Liquid cc. _____				Elevation 1275' Kelly bushing (est) Ft.			
Gravity _____ ° API @ _____ ° F.		Gas/Oil Ratio _____ cu. ft./bbl.		Net Productive Interval 20' Ft.			
RESISTIVITY		CHLORIDE CONTENT		All Depths Measured From Kelly bushing			
Recovery Water _____ @ _____ ° F. _____ ppm		Recovery Mud _____ @ _____ ° F. _____ ppm		Total Depth 2834' 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 10.0 vis 34 cp		Drill Collar Length 347' I.D. 2.764" WP			
				Drill Pipe Length 2327' I.D. 3.826"			
				Packer Depth(s) 2697-2702' Ft.			
				Depth Tester Valve 2684' Ft.			
Cushion		TYPE AMOUNT		DCIP Valve Surface		Bottom Choke	
				2680'		1/4"	
						3/4"	
Recovered 40		Feet of gas cut drilling mud with trace of oil		Med. From Tester Valve Field Area OTTO Tested Interval 2702 - 2834 County COMWLEY State KANSAS			
Recovered 540		Feet of muddy gassy oil					
Recovered 180		Feet of oil & gas cut muddy salt water					
Recovered _____		Feet of _____					
Recovered _____		Feet of _____					
Remarks: See Production Test Data Sheet....Charts indicate partial plugging of anchor perforations during initial flow period.							
TEMPERATURE		Gauge No. 537		Gauge No. 291		Gauge No. _____	
Depth: 2688 Ft.		Depth: 2830 Ft.		Depth: _____ Ft.		TIME	
Est. 103 ° F.		12 Hour Clock		12 Hour Clock		Hour Clock	
Blanked Off no		Blanked Off yes		Blanked Off _____		Tool A. XX	
Actual _____ ° F.		Pressures		Pressures		Opened 1:30 P.M.	
		Field Office		Field Office		Opened XX	
Initial Hydrostatic		1396		1476		Bypass 5:30 P.M.	
First Period Flow Initial		31		58		Reported _____	
First Period Flow Final		251		247		Computed _____	
First Period Flow Closed in		956		955		Minutes _____	
Second Period Flow Initial		251		255		Minutes 60	
Second Period Flow Final		361		342		Minutes 59	
Second Period Flow Closed in		941		932		Minutes 60	
Third Period Flow Initial		_____		_____		Minutes _____	
Third Period Flow Final		_____		_____		Minutes _____	
Third Period Flow Closed in		_____		_____		Minutes _____	
Final Hydrostatic		1374		1444		Minutes _____	

Legal Location
Sec. - Twp. - Rng.

NE/NE/SE 12 - 34S-6E

Well No.

Field Area

Tested Interval

County

COMWLEY

State

KANSAS

Lease Name
ALLEN

Well No.

Test No.

Tested Interval

Lease Owner/Company Name
EUFAULA ENTERPRISES INCORPORATED

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Gauge No. 537		Depth 2688'		Clock No. 4204		Ticket No. 742865	
First Flow Period		First Closed In Pressure		Second Closed In Pressure		Third Flow Period	
Time Defl. .000"	PSIG Temp. Corr.						
$\text{Log } \frac{t + \theta}{\theta}$		$\text{Log } \frac{t + \theta}{\theta}$		$\text{Log } \frac{t + \theta}{\theta}$		$\text{Log } \frac{t + \theta}{\theta}$	
0	.0000	58	247	.0000	255	.0000	342
1	.0606*	125	534	.0723**	270	.0266	468
2	.1279	146	871	.1381	291	.0532	811
3	.1951	179	894	.2038	306	.0798	877
4	.2624	205	906	.2695	319	.1064	889
5	.3297	228	915	.3353	331	.1330	897
6	.3970	247	922	.4010	342	.1596	902
7			927			.1862	906
8			933			.2128	911
9			937			.2394	914
10			940			.2660	917
11			944			.2926	921
12			947			.3192	924
13			950			.3458	927
14			952			.3724	929
15			955			.3990	932

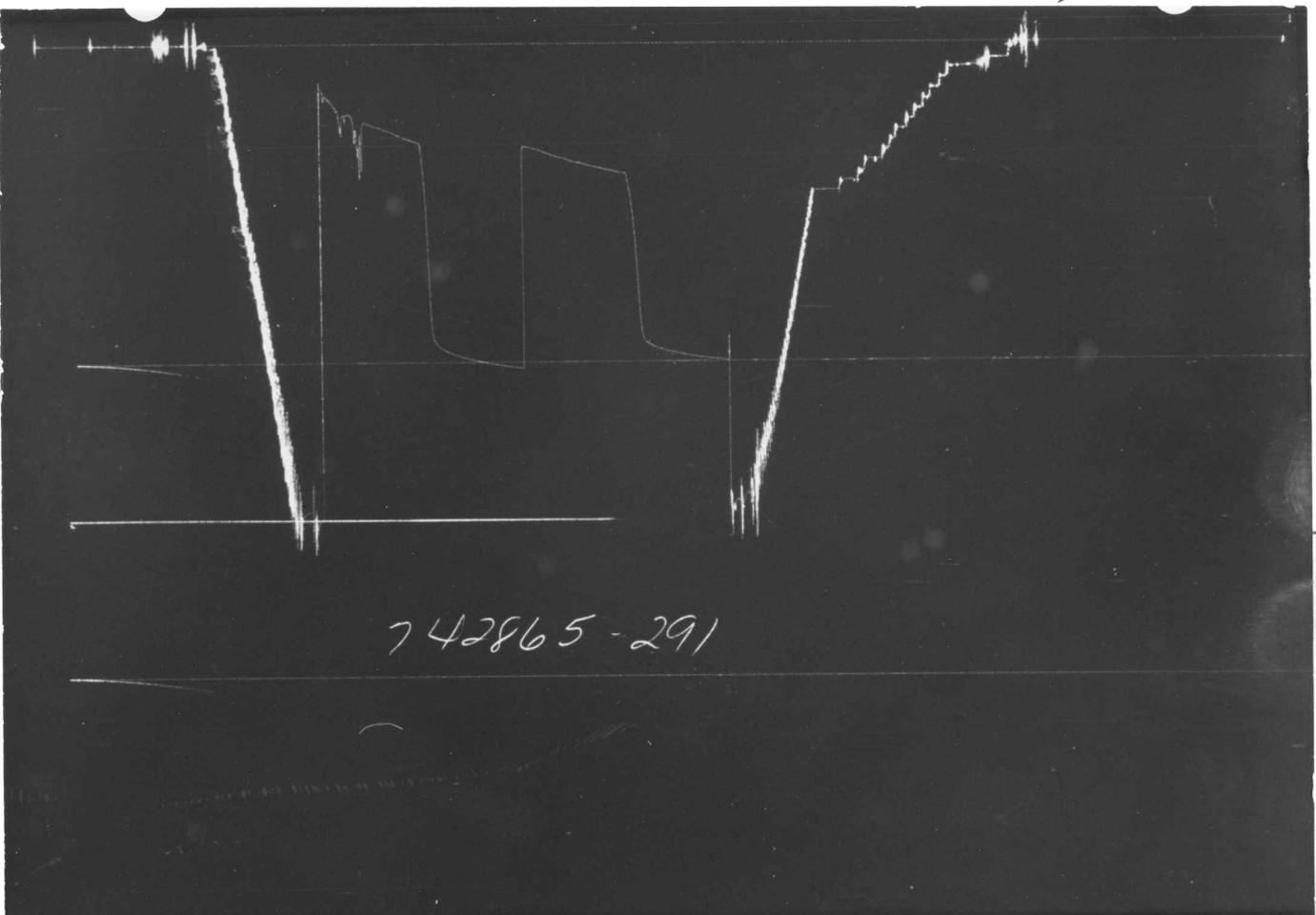
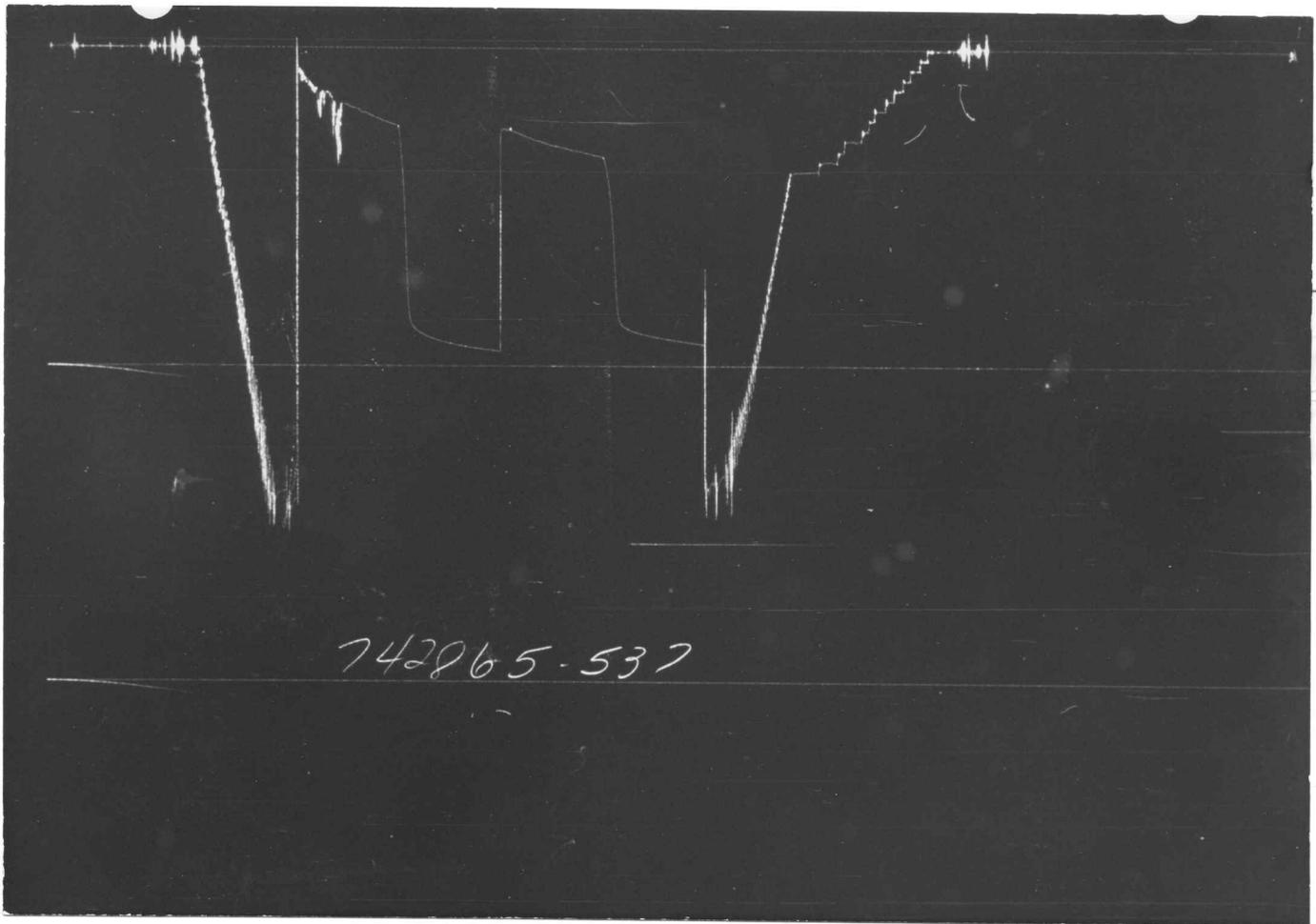
Gauge No. 291		Depth 2830'		Clock No. 3121		12 hour	
First Flow Period		First Closed In Pressure		Second Closed In Pressure		Third Flow Period	
Time Defl. .000"	PSIG Temp. Corr.						
$\text{Log } \frac{t + \theta}{\theta}$		$\text{Log } \frac{t + \theta}{\theta}$		$\text{Log } \frac{t + \theta}{\theta}$		$\text{Log } \frac{t + \theta}{\theta}$	
0	.0000	139	314	.0000	327	.0000	409
1	.0598*	197	634	.0730**	338	.0263	555
2	.1262	232	938	.1394	358	.0527	884
3	.1927	253	961	.2058	373	.0790	944
4	.2591	274	971	.2722	386	.1053	956
5	.3256	295	980	.3386	399	.1317	964
6	.3920	314	987	.4050	409	.1580	969
7			993			.1843	975
8			998			.2106	979
9			1002			.2370	983
10			1006			.2633	987
11			1010			.2896	990
12			1013			.3160	992
13			1017			.3423	994
14			1019			.3686	997
15			1022			.3950	999

Reading Interval 10 4 10 4

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

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	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"	2327'	
Drill Collar Weight Pipe	4 1/2"	2.764"	347'	
Handling Sub & Choke Assembly	4 1/2"	3.826"	4'	
Dual CIP Valve	5"	3/4"	4'	2680'
Dual CIP Sampler				
Hydro-Spring Tester	5"	3/4"	4'	2684'
Multiple CIP Sampler				
Extension Joint				
AP Running Case	5"	2 1/4"	4'	2688'
Hydraulic Jar				
VR Safety Joint	5"	1"	3'	
Pressure Equalizing Crossover				
Packer Assembly	6 3/4"	2 1/4"	4'	2697'
Distributor				
Packer Assembly	6 3/4"	2 1/4"	4'	2702'
Flush Joint Anchor	5"	2 1/4"	128'	
Pressure Equalizing Tube				
Blanked-Off B.T. Running Case	5"	2 1/4"	4'	2830'
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				2834'



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

FLUID SAMPLE DATA				Date		Ticket Number					
Sampler Pressure _____ P.S.I.G. at Surface				Date		9-5-75					
Recovery: Cu. Ft. Gas _____				Kind of Job		OPEN HOLE					
cc. Oil _____				Halliburton District		WINFIELD					
cc. Water _____				Tester		DURHAM					
cc. Mud _____				Witness		ELSTER					
Tot. Liquid cc. _____				Drilling Contractor		COMPANY TOOLS					
Gravity _____ ° API @ _____ ° F.				EQUIPMENT & HOLE DATA							
Gas/Oil Ratio _____ cu. ft./bbl.				Formation Tested							
RESISTIVITY _____ CHLORIDE CONTENT _____				Mississippi Chat							
Recovery Water _____ @ _____ ° F. _____ ppm				Elevation							
Recovery Mud _____ @ _____ ° F. _____ ppm				1275' K.B. EST. _____ Ft.							
Recovery Mud Filtrate _____ @ _____ ° F. _____ ppm				Net Productive Interval							
Mud Pit Sample _____ @ _____ ° F. _____ ppm				20' _____ Ft.							
Mud Pit Sample Filtrate _____ @ _____ ° F. _____ ppm				All Depths Measured From							
Mud Weight 9.8 vis 51 cp				Kelly Bushing							
				Total Depth							
				2894' _____ Ft.							
				Main Hole/Casing Size							
				7 7/8" _____							
				Drill Collar Length							
				- I.D. - _____							
				Drill Pipe Length							
				2411' - WP 408' I.D. 3.826" - WP 2.764" _____							
				Packer Depth(s)							
				2843' - 2848' _____ Ft.							
				Depth Tester Valve							
				2830' _____ Ft.							
TYPE		AMOUNT		Depth Back		DCIP VALVE		Surface		Bottom	
Cushion		NONE		Ft. Pres. Valve		2826'		Choke 1/4"		Choke 3/4"	
Recovered 440' Feet of gas in the drill pipe											
Recovered 40' Feet of oil cut gassy drilling mud											
Recovered 180' Feet of heavy oil cut gassy drilling mud											
Recovered Feet of											
Recovered Feet of											
Remarks: Tool opened for a 60 minute first flow building to a strong blow											
in 15 minutes. Closed tool for a 60 minute first closed in pressure. Tool											
reopened for a 60 minute second flow with a blow which was building to a strong											
blow in 15 minutes - then strong throughout the flow. Closed tool for a 60min-											
ute second closed in pressure.											
TEMPERATURE			Gauge No. 537		Gauge No. 291		Gauge No.		TIME		
			Depth: 2834' Ft.		Depth: 2890' Ft.		Depth: _____ Ft.				
Est. 104 °F.			12 Hour Clock		12 Hour Clock		Hour Clock		Tool A.M.		
			Blanked Off NO		Blanked Off YES		Blanked Off		Opened 9:40 P.M.		
Actual °F.			Pressures		Pressures		Pressures		Opened A.M.		
			Field Office		Field Office		Field Office		Bypass 1:40 P.M.		
Initial Hydrostatic			-		-		-		Reported		
			1473		1502				Minutes		
First Period Flow Initial			31.4		42				Minutes		
Final			78.4		103				-		
Closed in			1018.9		1043				60		
			1016						60		
Second Period Flow Initial			78.4		119				60		
Final			109.8		143				60		
Closed in			1003.2		1042				60		
			1014						60		
Third Period Flow Initial									-		
Final									-		
Closed in									-		
Final Hydrostatic			1411		1442				-		

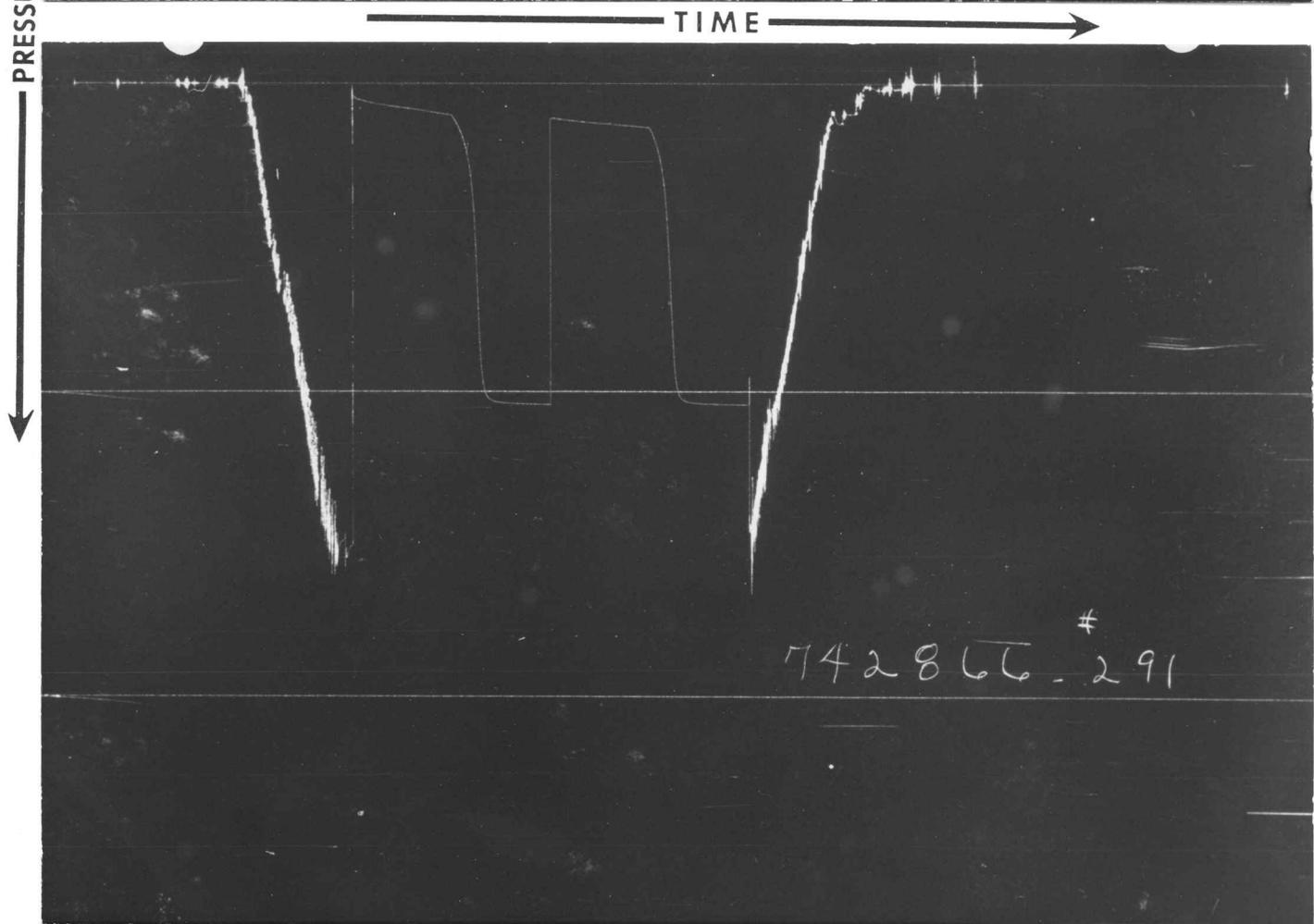
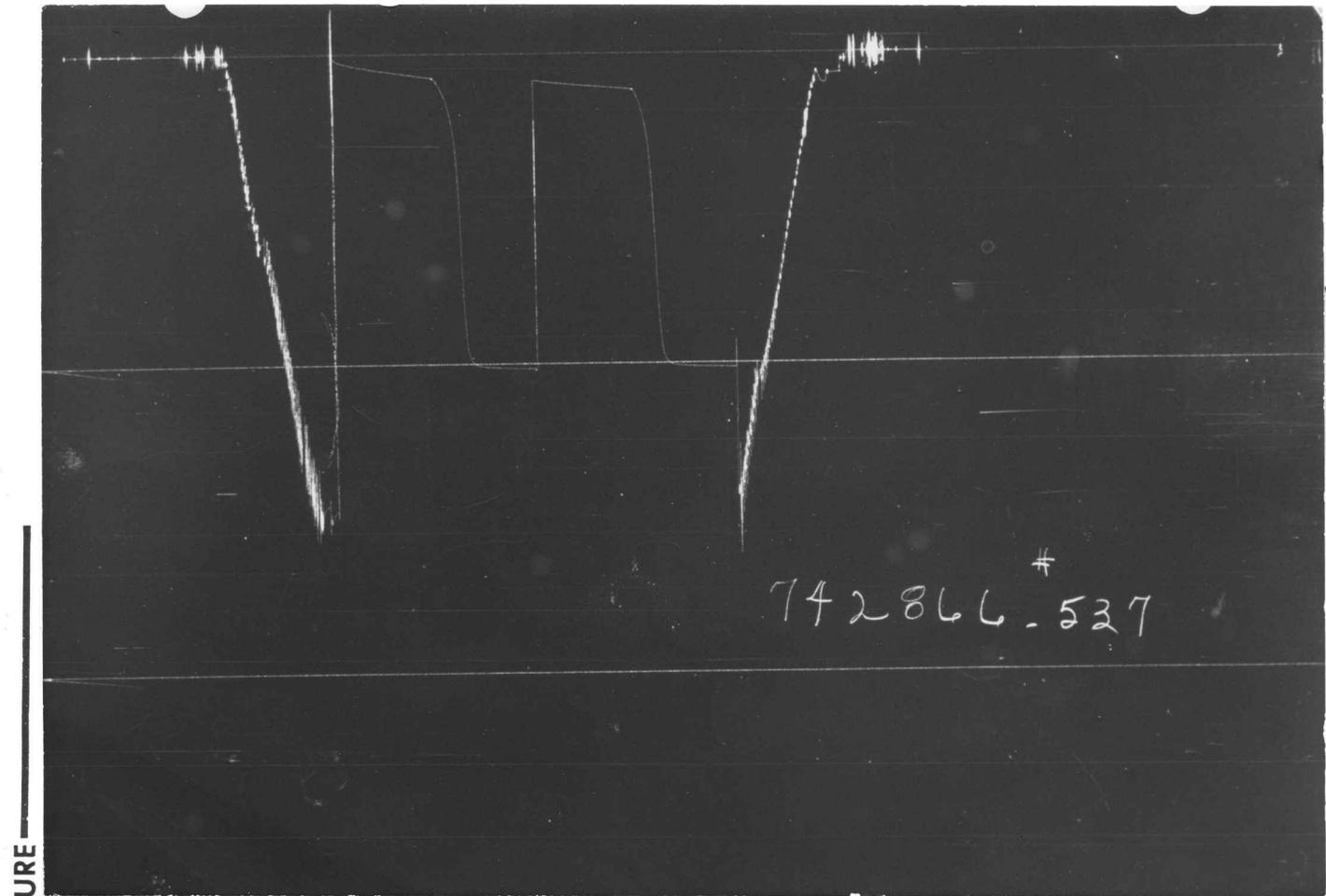
Legal Location Sec - Twp - Rng. NE-NE-SE 12 - 34S - 6E
 Lease Name ALLEN
 Well No. 2048 - 2094
 Test No. 4
 Field Area OTTO
 Mea. From Tester Valve
 County COWLEY
 State KANSAS
 Lease Owner/Company Name LITTLE'S UNLINTNLSLS, INCOVONTAILED

Gauge No.		537		Depth		2834'		Clock No.		4204		12 hour		Ticket No.		742866	
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	11		.000	78	.000		.000	118								
1	.0670	35		.0271	107	.0655	94	.0269	167								
2	.1340	45		.0541	158	.1310	100	.0537	259								
3	.2010	55		.0812	261	.1965	104	.0806	574								
4	.2680	62		.1083	615	.2620	108	.1075	945								
5	.3350	71		.1353	958	.3275	113	.1343	998								
6	.4020	78		.1624	1001	.3930	118	.1612	1006								
7				.1895	1009			.1881	1009								
8				.2165	1010			.2149	1009								
9				.2436	1012			.2418	1011								
10				.2907	1013			.2687	1012								
11				.2977	1014			.2955	1013								
12				.3248	1014			.3224	1013								
13				.3519	1015			.3493	1013								
14				.3789	1015			.3761	1013								
15				.4060	1016			.4030	1014								

Gauge No.		291		Depth		2890'		Clock No.		3121		hour		12			
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"	$\text{Log } \frac{t + \theta}{\theta}$		
0	.000	42		.000	103	.000		.000	143								
1	.0665	62		.0267	135	.0663	119	.0269	191								
2	.1330	71		.0533	187	.1327	125	.0537	291								
3	.1995	79		.0800	293	.1990	130	.0806	592								
4	.2660	86		.1066	630	.2653	134	.1075	972								
5	.3325	94		.1333	981	.3317	139	.1343	1026								
6	.3990	103		.1599	1026	.3980	143	.1612	1034								
7				.1866	1034			.1881	1038								
8				.2133	1037			.2149	1039								
9				.2399	1038			.2418	1039								
10				.2666	1039			.2687	1040								
11				.2933	1040			.2955	1041								
12				.3199	1041			.3224	1041								
13				.3466	1042			.3493	1042								
14				.3732	1042			.3761	1042								
15				.4000	1043			.4030	1042								

Reading Interval 10 4 10 4
 REMARKS:
 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"	2411'	
Drill Collars	4 1/2"	2.764"	408'	
Handling Sub & Casing Assembly	4 1/2"	3.826"	4'	
Dual CIP Valve	5"	3/4"	4'	2826'
Dual CIP Sampler				
Hydro-Spring Tester	5"	3/4"	4'	2830'
Multiple CIP Sampler				
Extension Joint				
AP Running Case	5"	2 1/4"	4'	2834'
Hydraulic Jar				
VR Safety Joint	5"	1"	3'	
Pressure Equalizing Crossover				
Packer Assembly	6 3/4"	2 1/4"	4'	2843'
Distributor				
Packer Assembly	6 3/4"	2 1/4"	4'	2848'
Flush Joint Anchor	5"	2 1/4"	42'	
Pressure Equalizing Tube				
Blanked-Off B.T. Running Case	5"	2 1/4"	4'	2890'
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				2894'



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