

Legal Location Sec. - Twp. - Rng. 23-32S-33W
 Lease Name BAUGHMAN
 Well No. 1
 Test No. 1
 Field Area WINDCAT
 Tapped Interval 3712'-3756'
 County SEWARD
 State KANSAS
 Lessee Name YUCCA PETROLEUM COMPANY

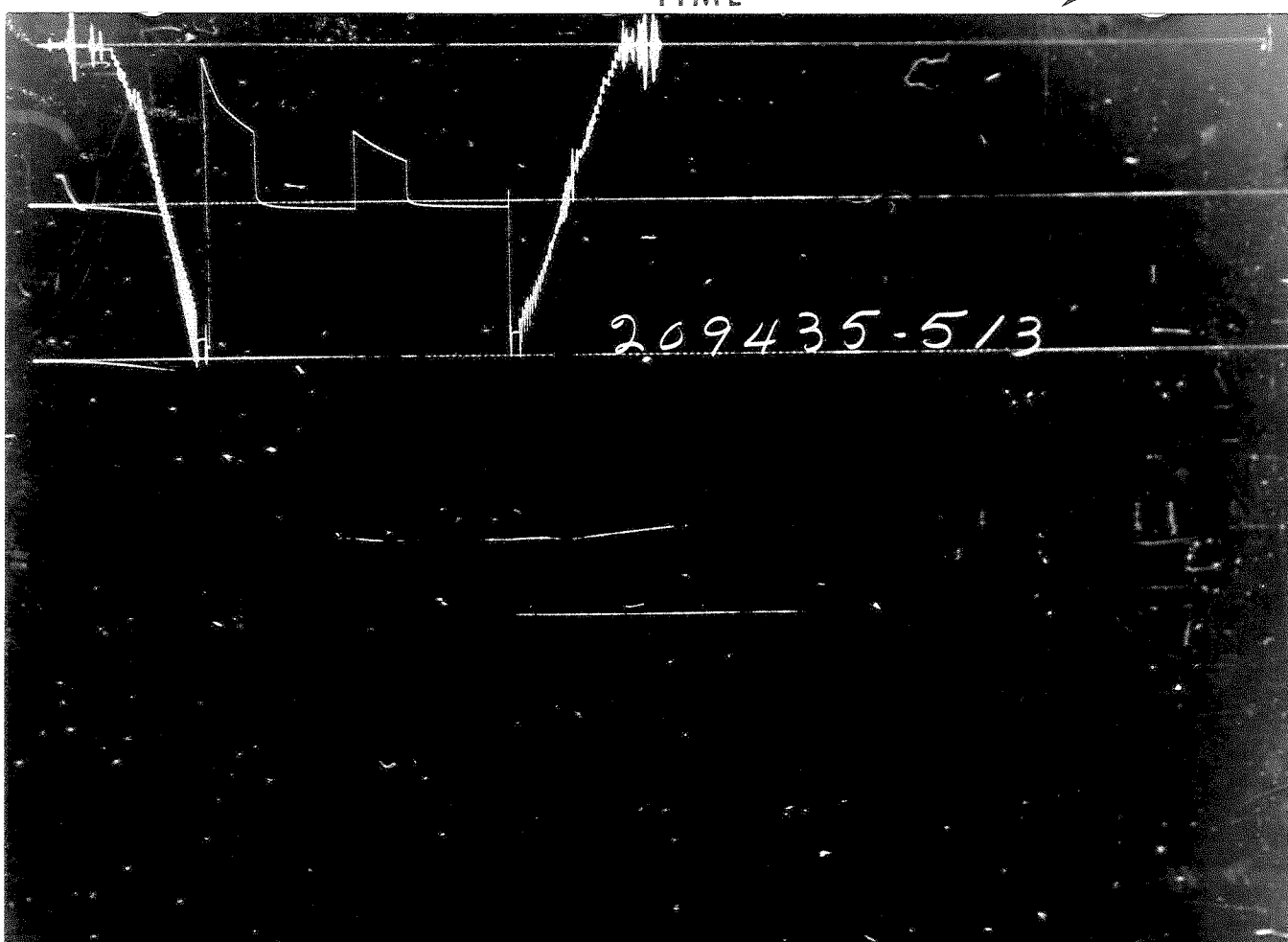
FLUID SAMPLER DATA				Date	Ticket Number	
Sampler Pressure _____ P.S.I.G. at Surface				7-28-70	209435	
Recovery: Cu. Ft. Gas _____				Kind of Job	Halliburton District	
cc. Oil _____				OPEN HOLE	LIBERAL	
cc. Water _____				Tester	Witness	
cc. Mud _____				MR. O'NEAL	MR. MC CONNELL	
Tot. Liquid cc. _____				Drilling Contractor	DR S	
Gravity _____ ° API @ _____ ° F.				EQUIPMENT & HOLE DATA		
Gas/Oil Ratio _____ cu. ft./bbl.				Formation Tested	Lower Permian	
RESISTIVITY _____ CHLORIDE CONTENT _____				Elevation _____	_____ Ft.	
Recovery Water _____ @ _____ ° F. 122,000 ppm				Net Productive Interval	44' _____ Ft.	
Recovery Mud _____ @ _____ ° F.				All Depths Measured From	Kelly Bushing	
Recovery Mud Filtrate _____ @ _____ ° F. _____ ppm				Total Depth	3756' _____ Ft.	
Mud Pit Sample _____ @ _____ ° F.				Main Hole/Casing Size	7 7/8"	
Mud Pit Sample Filtrate _____ @ _____ ° F. _____ ppm				Drill Collar Length	640' I.D. 2 1/2"	
Mud Weight _____ 9.0 vis _____ 47 cp				Drill Pipe Length	3076' I.D. 3.826"	
				Packer Depth(s)	3712' _____ Ft.	
				Depth Tester Valve	3691' _____ Ft.	
TYPE		AMOUNT		Depth Back	Surface	Bottom
Cushion				Ft. Pres. Valve 3691	Choke 1/2"	Choke 3/4"
Recovered	1525	Feet of salt water		MAILED JUL 31, 1970 Halliburton Company Duncan, Oklahoma		
Recovered		Feet of				
Recovered		Feet of				
Recovered		Feet of				
Recovered		Feet of				
Remarks						
Opened tool for 30 minute first flow with a fair blow. Closed tool for 59						
minute first closed in pressure. Reopened tool for 31 minute second flow with a						
fair blow. Closed tool for 60 minute second closed in pressure.						
TEMPERATURE		Gauge No. 540	Gauge No. 513	Gauge No.	TIME	
Depth:		3696 Ft.	3752 Ft.	Depth:	Ft.	
Est. °F.		12 Hour Clock	12 Hour Clock	Hour Clock	Tool 8:20 A.M.	
Actual 118 °F.		Blanked Off No	Blanked Off Yes	Blanked Off	Opened 9:50 P.M.	
		Pressures		Pressures		Tool 8:50 A.M.
		Pressures		Pressures		Closed 10:20 P.M.
		Field	Office	Field	Office	Reported
Initial Hydrostatic		1813	1842	1852	1869	Minutes
First Period	Flow Initial	18	7	66	87	Minutes
	Flow Final	510	525	549	550	30
	Closed in	998	1013	1026	1040	60
Second Period	Flow Initial	510	529	549	558	Minutes
	Flow Final	673	717	730	740	30
	Closed in	998	1011	1026	1035	60
Third Period	Flow Initial					Minutes
	Flow Final					Minutes
Final Hydrostatic		-	1824	1852	1849	Minutes

Gauge No. 540		Depth 3696'		Clock No. -		Ticket No. 209435					
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.
0	.000	7	525	.000	529	.000	717	.000	717		
1	.0327	245	982	.033	563	.0399	991	.0399	991		
2	.0654	349	993	.066	601	.0798	998	.0798	998		
3	.0981	401	1000	.099	630	.1197	1000	.1197	1000		
4	.1308	445	1004	.132	659	.1576	1002	.1576	1002		
5	.1635	485	1005	.165	684	.1995	1004	.1995	1004		
6	.1960	525	1007	.205	717**	.2394	1005	.2394	1005		
7			1009			.2793	1007	.2793	1007		
8			1011			.3192	1009	.3192	1009		
9			1013			.3591	1011	.3591	1011		
10			1013*			.3990	1011	.3990	1011		
11											
12											
13											
14											
15											

Gauge No. 513		Depth 3752'		Clock No. -		hour 12					
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.
0	.000	87	350	.000	558	.000	740	.000	740		
1	.0333	252	1008	.0332	590	.0405	1015	.0405	1015		
2	.0666	372	1020	.0664	627	.0810	1021	.0810	1021		
3	.0999	423	1026	.0996	658	.1215	1026	.1215	1026		
4	.1332	472	1030	.1328	686	.1620	1028	.1620	1028		
5	.1665	513	1033	.1660	711	.2025	1030	.2025	1030		
6	.2000	550	1035	.2060	740**	.2430	1031	.2430	1031		
7			1038			.2835	1033	.2835	1033		
8			1040			.3240	1035	.3240	1035		
9			1040			.3645	1035	.3645	1035		
10			1040*			.4050	1035	.4050	1035		
11											
12											
13											
14											
15											
Reading Interval	5			5		6		6			Minutes

REMARKS: * Last interval equal to 5 minute ** = 6 minutes.

	O. D.	I. D.	LENGTH	DEPTH
Reversing Sub				
Water Cushion Valve				
Drill Pipe	4 1/2"	3.826"	3076'	
Drill Collars		2 1/4"	640'	
Handling Sub & Choke Assembly				
Dual CIP Valve	5"	.87"	6'	
Dual CIP Sampler				
Hydro-Spring Tester	5"	.75"	5'	3691'
Multiple CIP Sampler				
Extension Joint				
AP Running Case	5"	2.38"	4'	3696'
Hydraulic Jar	5"	1.75"	5'	
VR Safety Joint	5"	1"	3'	
Pressure Equalizing Crossover				
Packer Assembly	6 3/4"	2.25"	4'	3712'
Distributor				
Packer Assembly				
Flush Joint Anchor				
Pressure Equalizing Tube				
Blanked-Off B.T. Running Case				
Drill Collars				
Anchor Pipe Safety Joint				
Packer Assembly				
Packer Assembly				
Anchor Pipe Safety Joint				
Side Wall Anchor				
Drill Collars	6 1/2"	2.25"	30'	
Flush Joint Anchor	5"	2.38"	10'	
Blanked-Off B.T. Running Case	5"	2.37"	4'	3752'



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

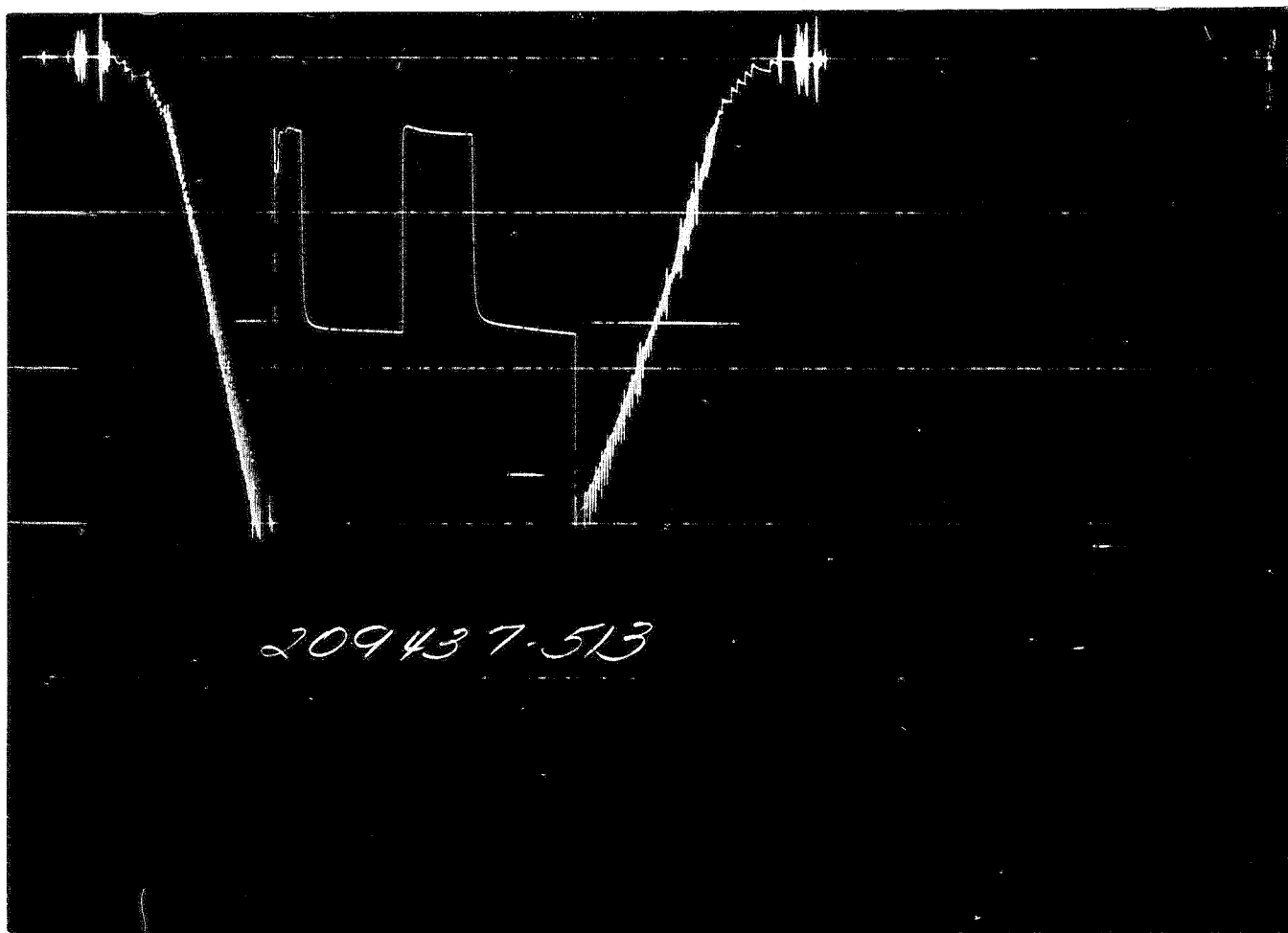
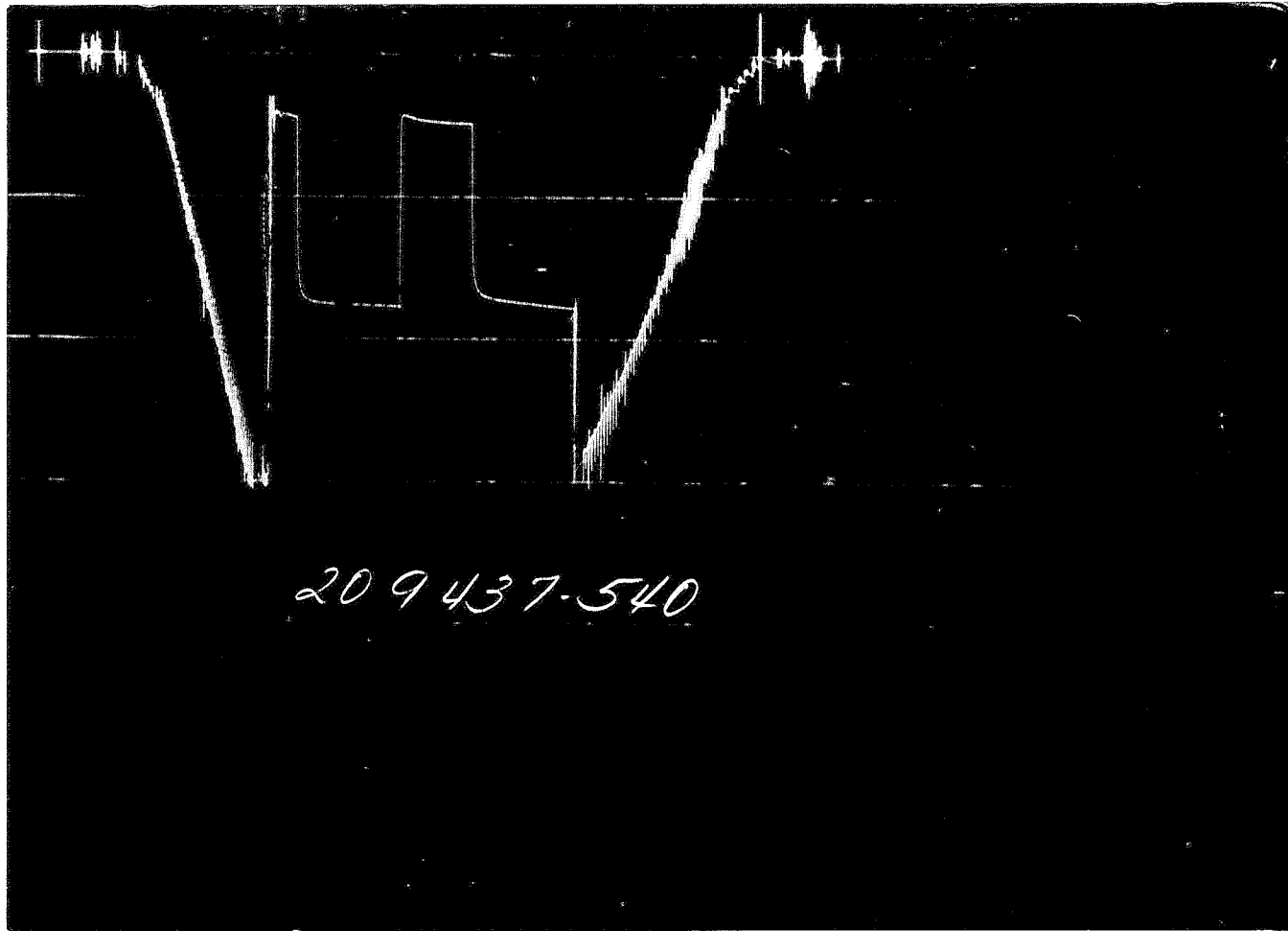
Legal Location Sec. - Twp. - Rng. 23 32 S 33W
 Lease Name BAUGHMAN
 Well No. 1
 Test No. 3
 Tested Interval 5669-5742'
 County SEWARD
 State KANSAS
 Lease Owner/Company Name YUCCA PETROLEUM COMPANY

FLUID SAMPLER DATA				Date	8-6-70 <th>Ticket Number</th> <td>209437 </td>	Ticket Number	209437
Sampler Pressure _____ P.S.I.G. at Surface				Kind of Job	OPEN HOLE	Halliburton District	LIBERAL
Recovery: Cu. Ft. Gas _____ cc. Oil _____ cc. Water _____ cc. Mud _____ Tot. Liquid cc. _____				Tester	B. O'NEAL	Witness	J. ARMSTRONG
Gravity _____ 36 ° API @ 60 ° F.				Drilling Contractor	STICKLE DRILLING COMPANY	SM	S
Gas/Oil Ratio _____ cu. ft./bbl.				EQUIPMENT & HOLE DATA			
RESISTIVITY _____ CHLORIDE CONTENT _____				Formation Tested	Mississippi Chester ✓		
Recovery Water _____ @ _____ ° F. _____ ppm				Elevation	2794'	KB	Ft.
Recovery Mud _____ @ _____ ° F. _____ ppm				Net Productive Interval	10'		Ft.
Recovery Mud Filtrate _____ @ _____ ° F. _____ ppm				All Depths Measured From	Kelly bushing		
Mud Pit Sample _____ @ _____ ° F. _____ ppm				Total Depth	5742'		Ft.
Mud Pit Sample Filtrate _____ @ _____ ° F. _____ ppm				Main Hole/Casing Size	7 7/8"		
Mud Weight _____ 9.3 vis _____ 44 cp				Drill Collar Length	636'	I.D. 2 1/4"	
				Drill Pipe Length	5005'	I.D. 3.826"	
				Packer Depth(s)	5669'		Ft.
				Depth Tester Valve	5648'		Ft.
TYPE AMOUNT				Depth Back Pres. Valve	5648'	Surface Choke	1/4"
Cushion						Bottom Choke	3/4"
Recovered 310 Feet of oil cut mud				Meas. From Tester Valve			
Recovered 280 Feet of free oil							
Recovered _____ Feet of _____							
Recovered _____ Feet of _____							
Recovered _____ Feet of _____							
Remarks Tool opened with a strong blow with gas to the surface in 3 minutes of 16 minute first flow. Closed for 59 minute first closed in pressure. Tool reopened with a strong blow for 40 minutes. Closed for 60 minute second closed in pressure.							
TEMPERATURE		Gauge No. 540	Gauge No. 513	Gauge No.	TIME		
		Depth: 5653 Ft.	Depth: 5738 Ft.	Depth: _____ Ft.			
		12 Hour Clock	12 Hour Clock	Hour Clock	Tool 9:25 A.M.		
Est. ° F.		Blanked Off no	Blanked Off yes	Blanked Off	Opened 10:40 P.M.		
Actual 118 ° F.		Pressures		Pressures		Pressures	
		Field	Office	Field	Office	Field	Office
Initial Hydrostatic		2829	2849	2813	2885	Reported	Computed
Flow Initial		292	405	433	468	Minutes	Minutes
Flow Final		438	449	466	482	15	16
Closed in		1777	1772	1753	1770	60	59
Flow Initial		383	447	433	465	40	40
Flow Final		474	493	466	500	60	60
Closed in		1777	1783	1753	1776		
Flow Initial							
Flow Final							
Closed in							
Final Hydrostatic		2829	2849	2813	2885		

Gauge No.		540		Depth		5653'		Clock No.		??		12 hour		Ticket No.		209437	
First Flow Period		Closed In Pressure		Second Flow Period		Closed In Pressure		Second 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	405		.000	449			.000	447			.000	493				
1	.0263	411		.0411	1723			.056	456			.041	1683				
2	.0526	425		.0822	1743			.112	474			.082	1712				
3	.0789	436		.1233	1752			.168	484			.123	1726				
4	.1050	449		.1644	1755			.224	489			.164	1736				
5				.2055	1757			.280	493			.205	1743				
6				.2466	1761							.246	1752				
7				.2877	1763							.287	1761				
8				.3288	1766							.328	1768				
9				.3699	1768							.369	1775				
10				.4040*	1772							.410	1783				
11																	
12																	
13																	
14																	
15																	
Gauge No.		513		Depth		5738'		Clock No.		??		12 hour					
0	.000	468		.000	482			.000	465			.000	500				
1	.0258	492		.0404	1719			.0542	465			.0404	1674				
2	.0516	463		.0808	1742			.1084	482			.0808	1709				
3	.0774	470		.1212	1750			.1626	492			.1212	1722				
4	.1030	482		.1616	1753			.2168	497			.1616	1730				
5				.2020	1757			.2710	500			.2020	1738				
6				.2424	1760							.2424	1748				
7				.2828	1763							.2828	1757				
8				.3232	1765							.3232	1763				
9				.3636	1768							.3636	1770				
10				.3970*	1770							.4040	1776				
11																	
12																	
13																	
14																	
15																	
Reading Interval		4				8				6						Minutes	
REMARKS:		*Last interval is equal to 5 minutes.															

SPECIAL PRESSURE DATA

	O. D.	I. D.	LENGTH	DEPTH
Reversing Sub				
Water Cushion Valve				
Drill Pipe	4.5"	3.826"	5005'	
Drill Collars	6 1/4"	2.25"	636'	
Handling Sub & Choke Assembly				
Dual CIP Valve	5"	.87"	6'	
Dual CIP Sampler				
Hydro-Spring Tester	5"	.75"	5'	5648'
Multiple CIP Sampler				
Extension Joint				
AP Running Case	5"	2 3/8"	4'	5653'
Hydraulic Jar	5"	1.75"	5'	
VR Safety Joint	5"	1"	3'	
Pressure Equalizing Crossover				
Packer Assembly	6 3/4"	2"	4'	5669'
Distributor				
Packer Assembly				
Flush Joint Anchor				
Pressure Equalizing Tube				
Blanked-Off B.T. Running Case				
Drill Collars				
Anchor Pipe Safety Joint				
Packer Assembly				
Packer Assembly				
Anchor Pipe Safety Joint				
Side Wall Anchor				
Drill Collars	6 1/4"	2 1/4"	56'	
Flush Joint Anchor	5"	2 3/8"	13'	
Blanked-Off B.T. Running Case	5"	2 3/8"	4'	5738'



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

Gauge No. 540		Depth 5537'		Clock No. ??		12 hour		Ticket No. 209438	
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	.000	26	27	.000	15	.000	26		
1	.196	27	80	.208	26	.0407	47		
2			113			.0814	71		
3			142			.1221	93		
4			168			.1628	113		
5			192			.2035	133		
6			214			.2442	151		
7			237			.2849	172		
8			257			.3256	188		
9			276			.3663	206		
10			292			.4070	224		
11									
12									
13									
14									
15									

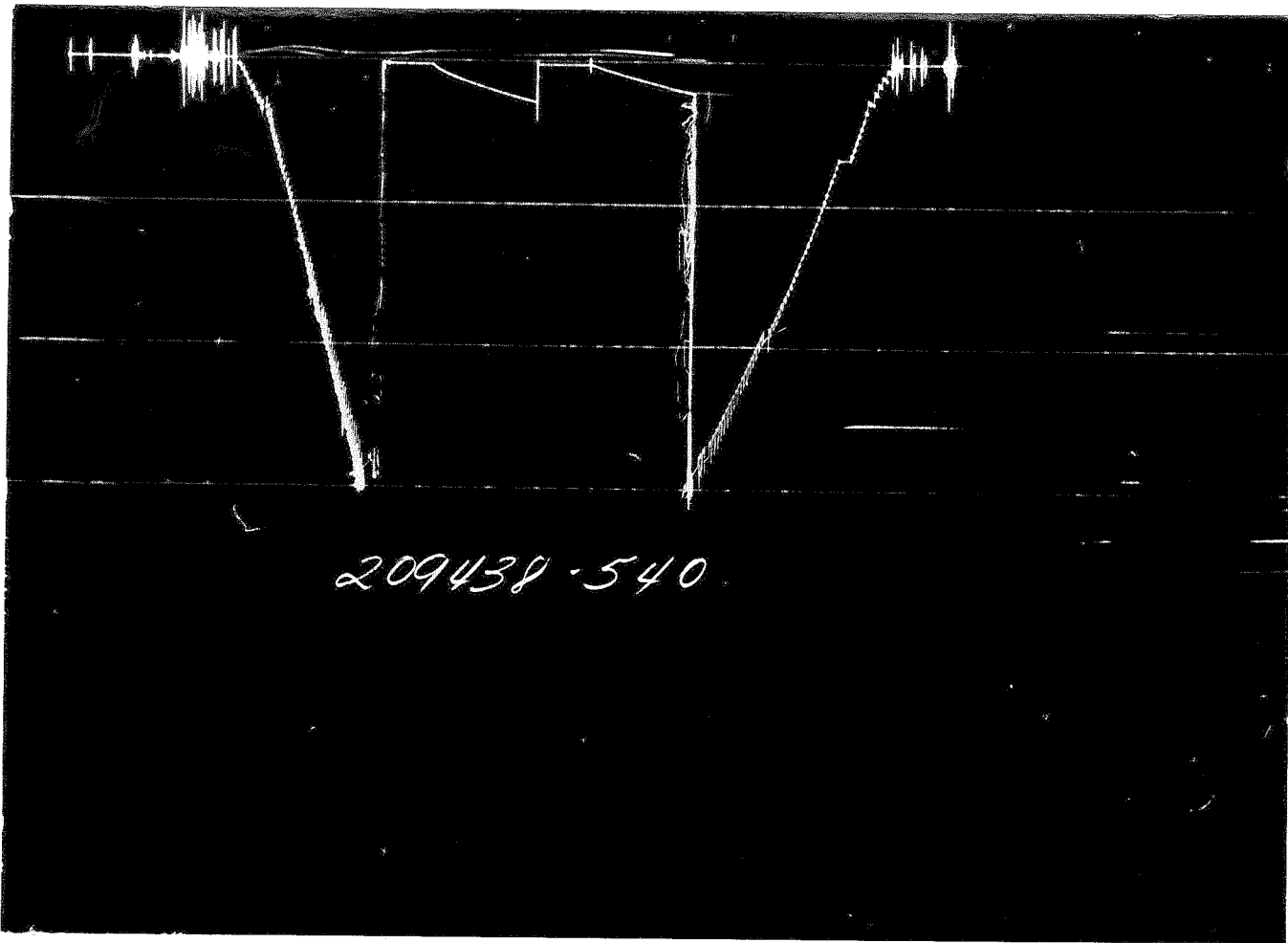
Gauge No. 513		Depth 5575'		Clock No. ??		12 hour	
Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.
0	.000	98	57	.000	27	.000	27
1	.204	57	85	.0397	27	.0396	50
2			113	.0794		.0792	72
3			142	.1191		.1188	93
4			165	.1588		.1584	113
5			188	.1985		.1980	132
6			212	.2382		.2376	152
7			230	.2779		.2772	168
8			252	.3176		.3168	185
9			272	.3573		.3564	203
10			287	.3900*		.3960	218
11							
12							
13							
14							
15							

Reading Interval	-	6	6	Minutes
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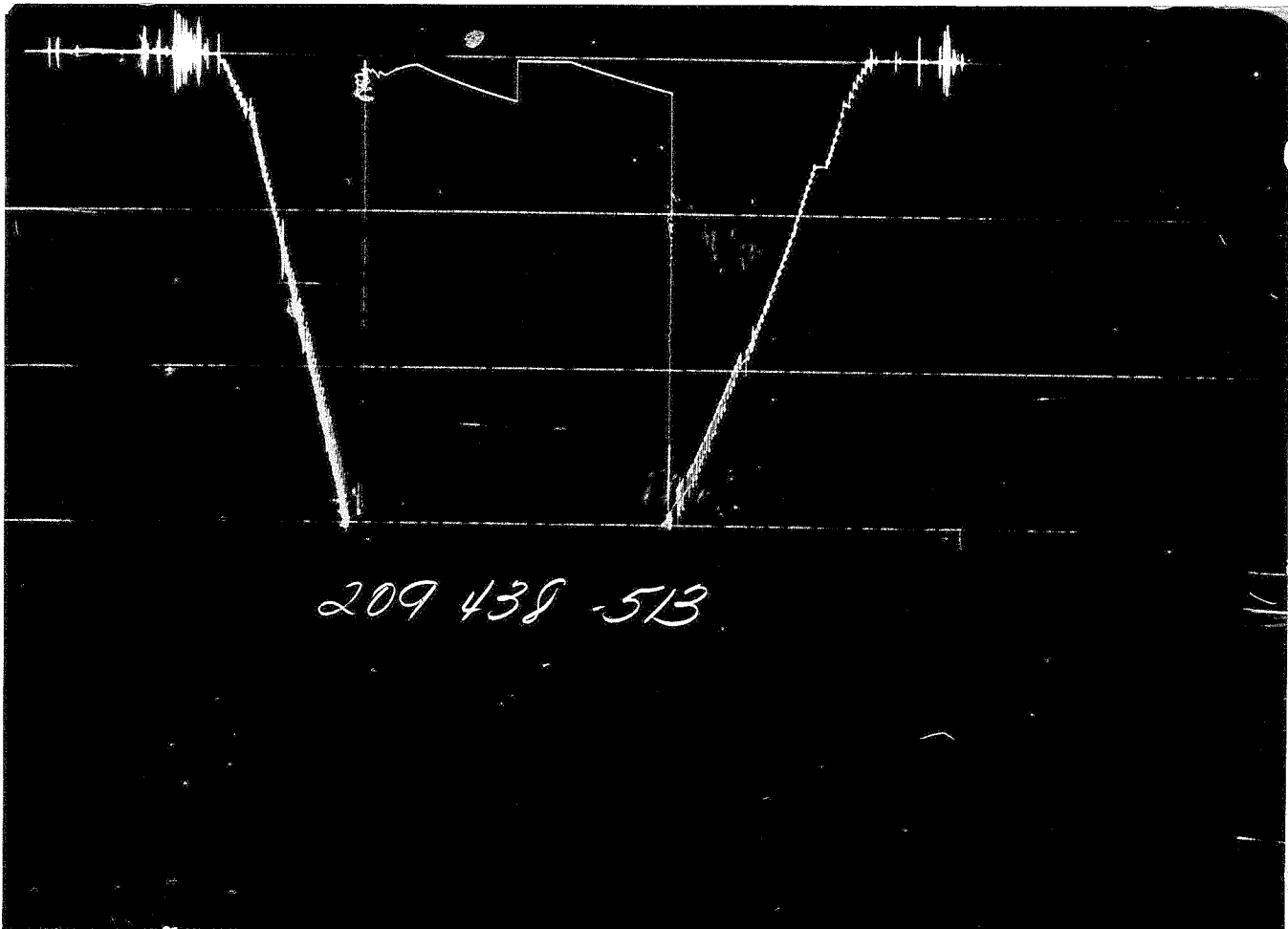
REMARKS: *Last interval is equal to 5 minutes.

SPECIAL PRESSURE DATA

	O. D.	I. D.	LENGTH	DEPTH
Reversing Sub				
Water Cushion Valve				
Drill Pipe	4 1/2"	3.826"	4854'	
Drill Collars	-	2 1/4"	672'	
Handling Sub & Choke Assembly				
Dual CIP Valve	5"	.87"	6'	
Dual CIP Sampler				
Hydro-Spring Tester	5"	.75"	5'	5532'
Multiple CIP Sampler				
Extension Joint				
AP Running Case	5"	2.38"	4'	5537'
Hydraulic Jar	5"	1.75"	5'	
VR Safety Joint	5"	1"	3'	
Pressure Equalizing Crossover				
Packer Assembly	6 3/4"	1"	5'	5554'
Distributor				
Packer Assembly	6 3/4"	1"	5'	5560'
Flush Joint Anchor	5"	2.38"	21'	
Pressure Equalizing Tube				
Blanked-Off B.T. Running Case	5"	2.38"	4'	5575'
Drill Collars				
Anchor Pipe Safety Joint				
Packer Assembly	6 3/4"	1"	4'	5585'
Packer Assembly				
Anchor Pipe Safety Joint				
Side Wall Anchor	6 3/4"	2.25"	6'	5593'
Drill Collars				
Flush Joint Anchor				
Blanked-Off B.T. Running Case	5.00"	2.38"	4'	5598'

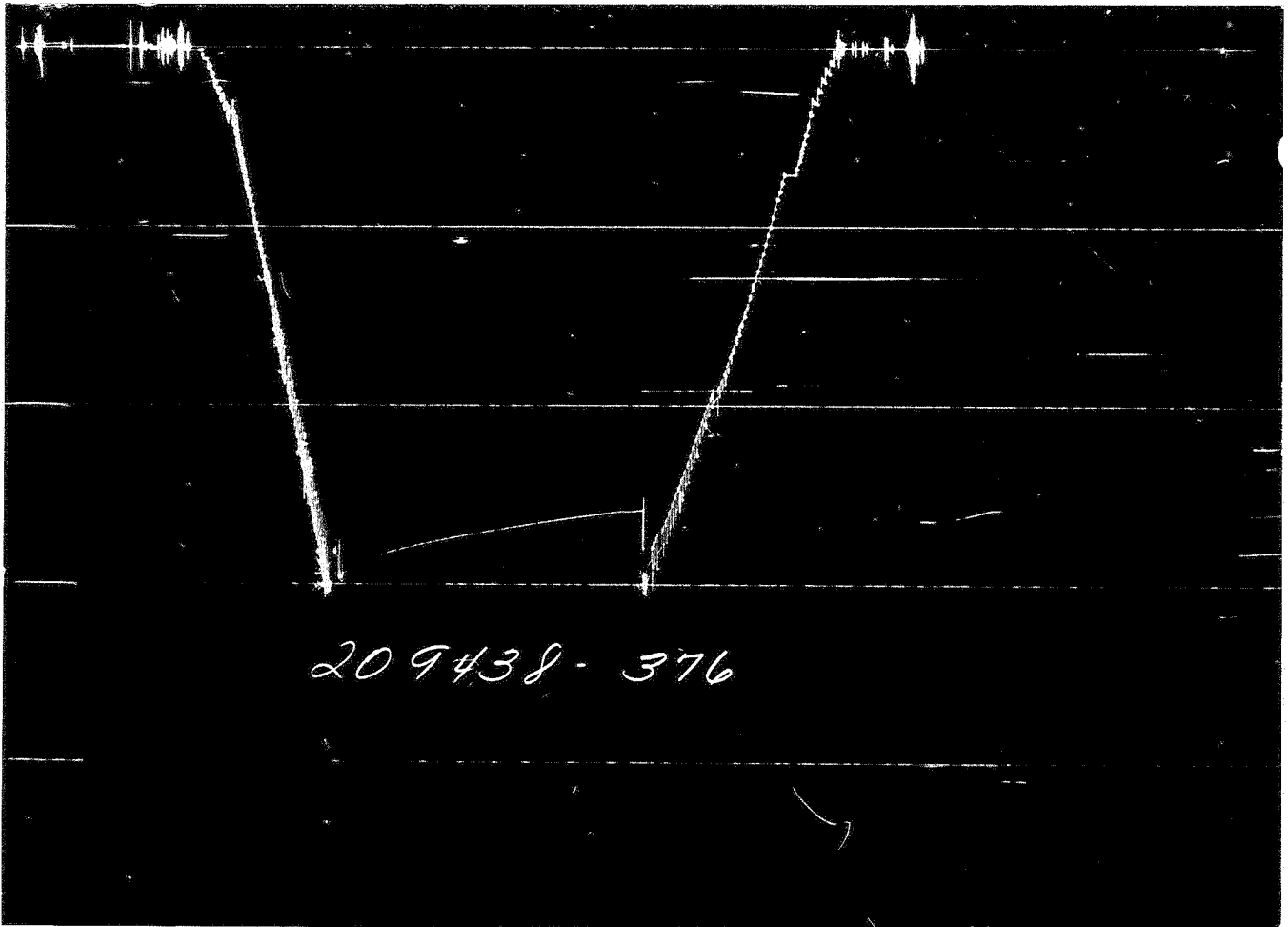


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Each Horizontal Line Equal to 1000 p.s.i.



209438-376