

15-039-20162

10-25-27w

FLUID SAMPLER DATA			Date	6-26-70	Ticket Number	220542
Sampler Pressure _____ P.S.I.G. at Surface	Kind of Job	OPEN HOLE	Halliburton District	HAYS		
Recovery: Cu. Ft. Gas _____	Tester	MR. JOSLIN	Witness	MR. STOEPELWERTH		
cc. Oil _____	Drilling Contractor	STOEPELWERTH DRILLING INCORPORATED				
cc. Water _____	EQUIPMENT & HOLE DATA IC S					
cc. Mud _____	Formation Tested	Lower Kansas City				
Tot. Liquid cc. _____	Elevation	2639' K.B. _____ Ft.				
Gravity _____ ° API @ _____ °F.	Net Productive Interval	_____ Ft.				
Gas/Oil Ratio _____ cu. ft./bbl.	All Depths Measured From	Kelly Bushing				
	Total Depth	4005' _____ Ft.				
	Main Hole/Casing Size	7 7/8"				
	Drill Collar Length	205'		I.D.	2.76"	
	Drill Pipe Length	3287'		I.D.	3.826"	
	Packer Depth(s)	3516' - 3535' _____ Ft.				
	Depth Tester Valve	3501' _____ Ft.				

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

Recovered	60	Feet of	Mud	Meo. From Tester Valve
Recovered		Feet of		
Recovered		Feet of		
Recovered		Feet of		
Recovered		Feet of		

Remarks Set packers at 3523'-3535' - packers failed. Changed charts & anchor. Set packers at 3518'-3535'. Packers failed again. Changed anchor. Set packers at 3516'-3535' and opened tool for 31 minute first flow with a weak blow throughout test. Closed tool for 29 minute initial closed in pressure. Reopened tool for 15 minute second flow with no blow. Closed tool for 32 minute second closed in pressure. *Time given & time recorded does not agree. Time was calculated.

TEMPERATURE	Gauge No. 374		Gauge No. 294		Gauge No.		TIME
	Depth: 3502' Ft.		Depth: 4001' Ft.		Depth:	Ft.	
Est. 105 °F.	12 Hour Clock		12 Hour Clock		Hour Clock		Tool A.M.
Actual 102 °F.	Blanked Off NO		Blanked Off YES		Blanked Off		Opened 8:30 X
	Pressures		Pressures		Pressures		Tool A.M.
	Field	Office	Field	Office	Field	Office	Closed 10:15 X
Initial Hydrostatic	1935	1739	-	2024			Reported Minutes
First Period	Flow Initial	15	9				Computed Minutes
	Flow Final	37	30				30 31
	Closed in	1130	1134	HYDROSTATIC			30 29
Second Period	Flow Initial	37	34	RELEASE	1735		
	Flow Final	55	42				15 15
	Closed in	1120	1136				30 32*
Third Period	Flow Initial						
	Flow Final						
Final Hydrostatic	1843	1728	-	2004			

Legal Location Sec. - Twp. - Rng. 10 - 2 - 27

Lease Name STIMPSON

Well No. 1

Test No. 1

Tested Interval 3516' - 3535'

Field Area WILDCAT

County DECATUR

State KANSAS

STOEPELWERTH DRILLING INCORPORATED

Lease Owner/Company Name

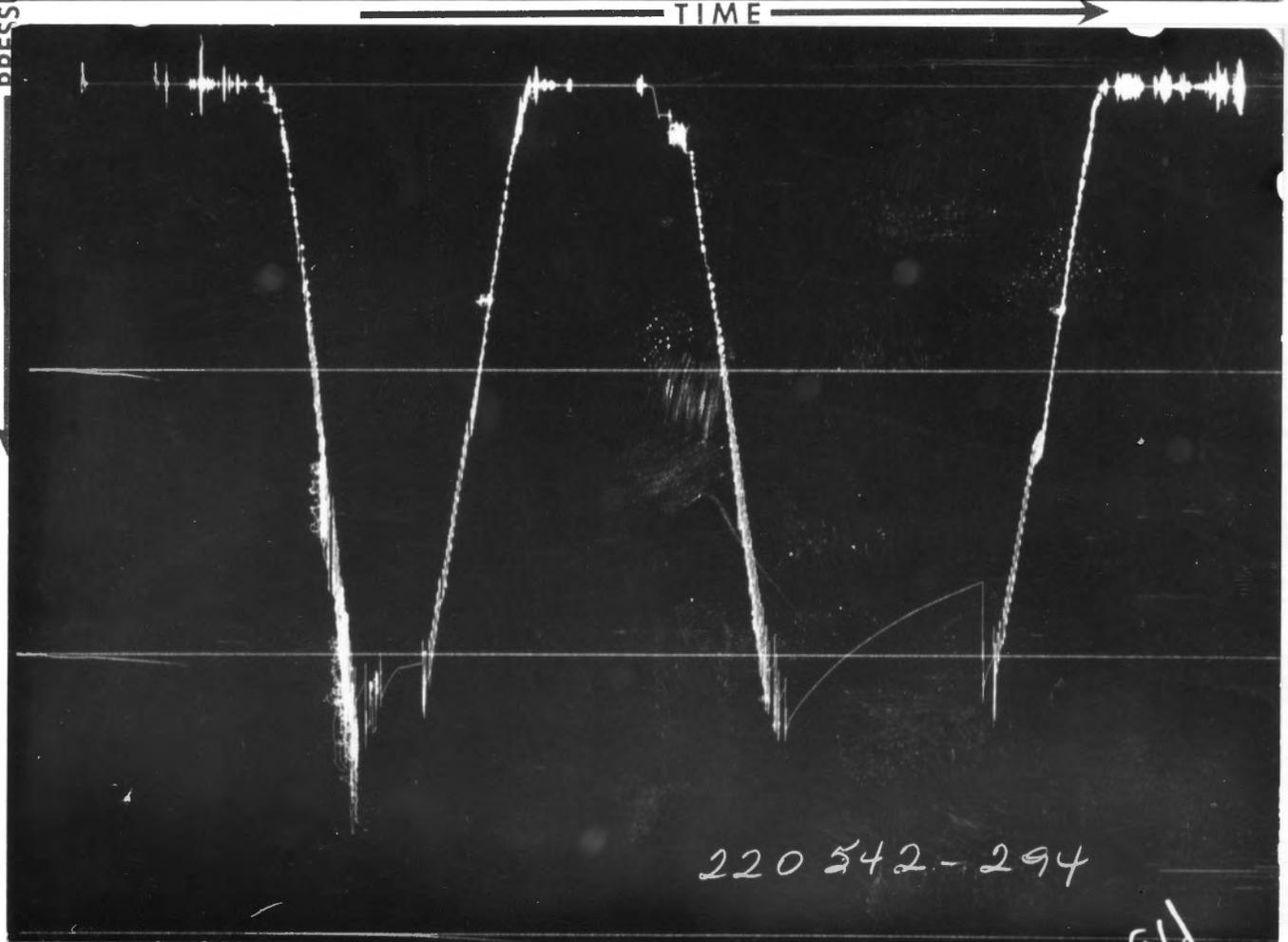
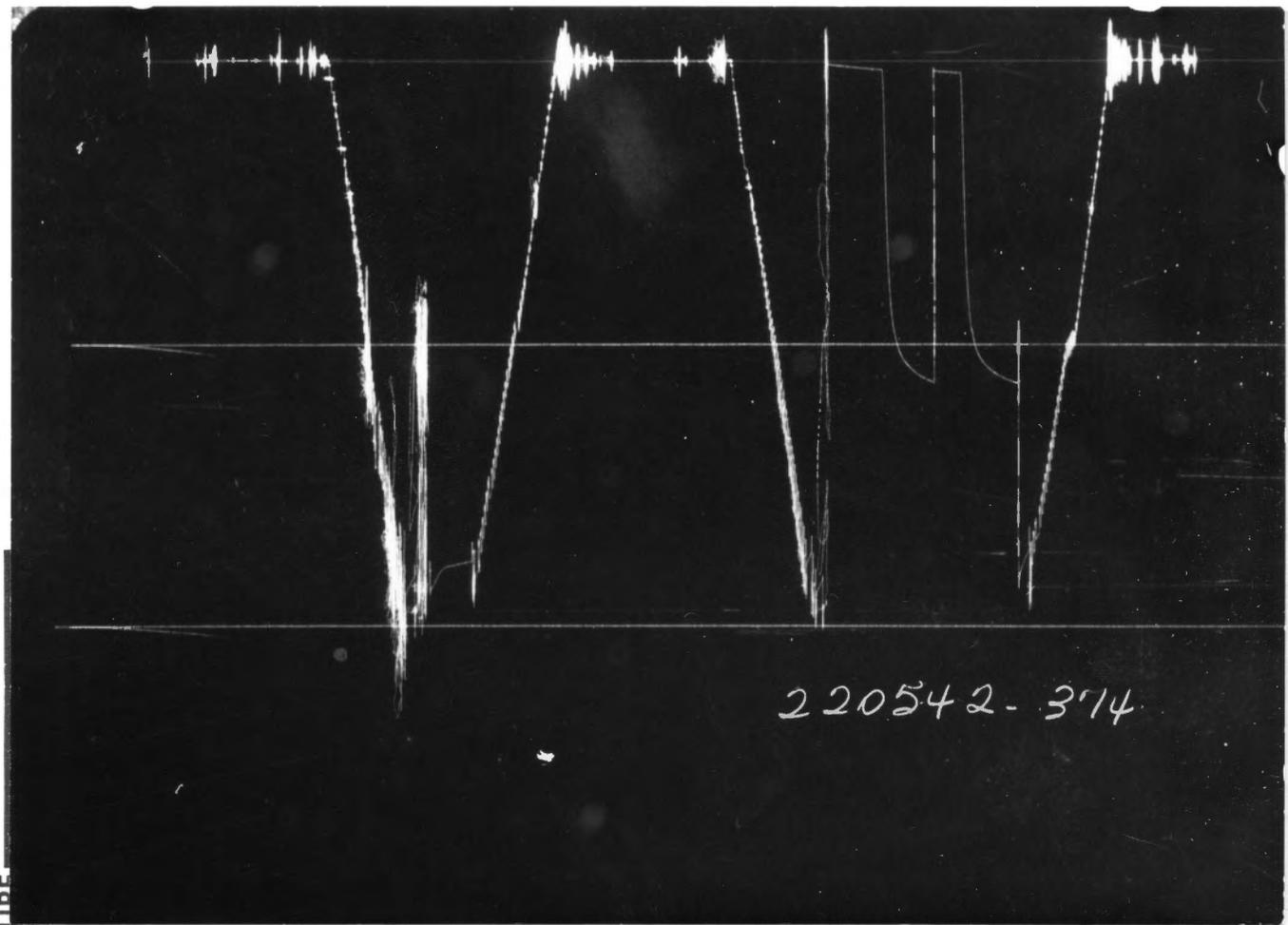
Gauge No. 374		Depth 3502'		Clock No. 3227		12 hour		Ticket No. 220542	
First Flow Period		First Closed In Pressure		Second Flow Period		Second Closed In Pressure		Third Flow Period	
Time Defl. .000"	PSIG Temp. Corr.								
$\text{Log } \frac{t + \theta}{\theta}$		$\text{Log } \frac{t + \theta}{\theta}$		$\text{Log } \frac{t + \theta}{\theta}$		$\text{Log } \frac{t + \theta}{\theta}$		$\text{Log } \frac{t + \theta}{\theta}$	
0	.000	9	30	.000	34	.000	42		
1	.0428	16	661	.0208	37	.028	828		
2	.0855	19	936	.0416	37	.056	1005		
3	.1283	24	1016	.0624	38	.084	1057		
4	.1711	27	1055	.0832	40	.112	1085		
5	.2210	30*	1078	.1040	42	.140	1104		
6			1095			.168	1119		
7			1110			.196	1128		
8			1120			.224	1136		
9			1129						
10			1134**						
11									
12									
13									
14									
15									

Gauge No. 294		Depth 4001'		Clock No. 2414		12 hour			
First Flow Period		First Closed In Pressure		Second Flow Period		Second Closed In Pressure			
Time Defl. .000"	PSIG Temp. Corr.								
$\text{Log } \frac{t + \theta}{\theta}$		$\text{Log } \frac{t + \theta}{\theta}$		$\text{Log } \frac{t + \theta}{\theta}$		$\text{Log } \frac{t + \theta}{\theta}$			
0									
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
Reading Interval	6		3		3		4		Minutes

REMARKS: *Last interval equal to 7 minutes **Last interval equal to 2 minutes
 - HYDROSTATIC RELEASE - 1735



	O. D.	I. D.	LENGTH	DEPTH
Reversing Sub	5 3/4"	2.50"	1'	
Water Cushion Valve				
Drill Pipe	4 1/2"	3.826"	3287'	
Drill Collars	6 1/4"	2.76"	205'	
Handling Sub & Choke Assembly				
Dual CIP Valve	5"	.87"	5'	
Dual CIP Sampler				
Hydro-Spring Tester	5"	.75"	5'	3501'
Multiple CIP Sampler				
Extension Joint				
AP Running Case	5"	3.06"	4'	3502'
Hydraulic Jar	5"	.87"	4'	
VR Safety Joint	5"	1.0"	2'	
Pressure Equalizing Crossover				
Packer Assembly				
Distributor				
Packer Assembly	6 3/4"	1.53"	4'	3516'
Flush Joint Anchor W/TEMP.	5"	2.76"	19'	
Pressure Equalizing Tube				
Blanked-Off B.T. Running Case				
Drill Collars				
Anchor Pipe Safety Joint				
Packer Assembly				
Packer Assembly	6 3/4"	1.53"	4'	3535'
Anchor Pipe Safety Joint				
Side Wall Anchor				
Drill Collars PIPE	4 1/2"	3.826"	457'	
Flush Joint Anchor	5"	2.76"	9'	
Blanked-Off B.T. Running Case	5"	-	4'	4001'



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

TEMPERATURE RECORDER CHART



10° each circle

- OF₃ = Theoretical Open Flow Potential MCF/D
- OF₄ = Theoretical Open Flow Potential with/Damage Removed Min. MCF/D
- P_s = Extrapolated Static Pressure Psig.
- P_f = Final Flow Pressure Psig.
- P_{o1} = Potentiometric Surface (Fresh Water *) Feet
- Q = Average Adjusted Production Rate During Test bbls/day
- Q₁ = Theoretical Production w/Damage Removed bbls/day
- Q_g = Measured Gas Production Rate MCF/D
- R = Corrected Recovery bbls
- r_w = Radius of Well Bore Feet
- t = Flow Time Minutes
- t_o = Total Flow Time Minutes
- T = Temperature Rankine °R
- Z = Compressibility Factor —
- μ = Viscosity Gas or Liquid CP
- Log = Common Log

* Potentiometric Surface Reference to Rotary Table When Elevation Not Given,
Fresh Water Corrected to 100° F.