

15-185-20524

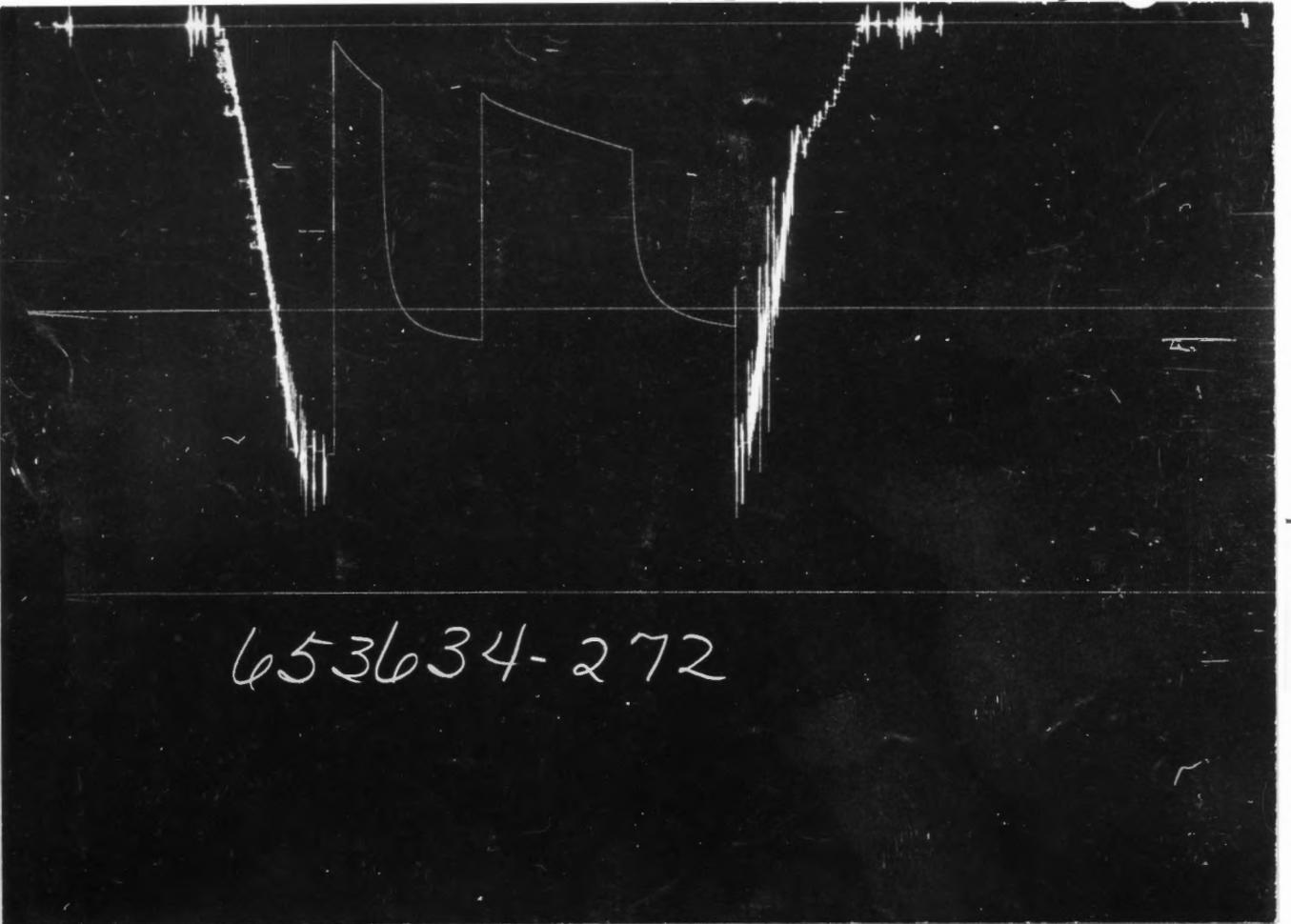
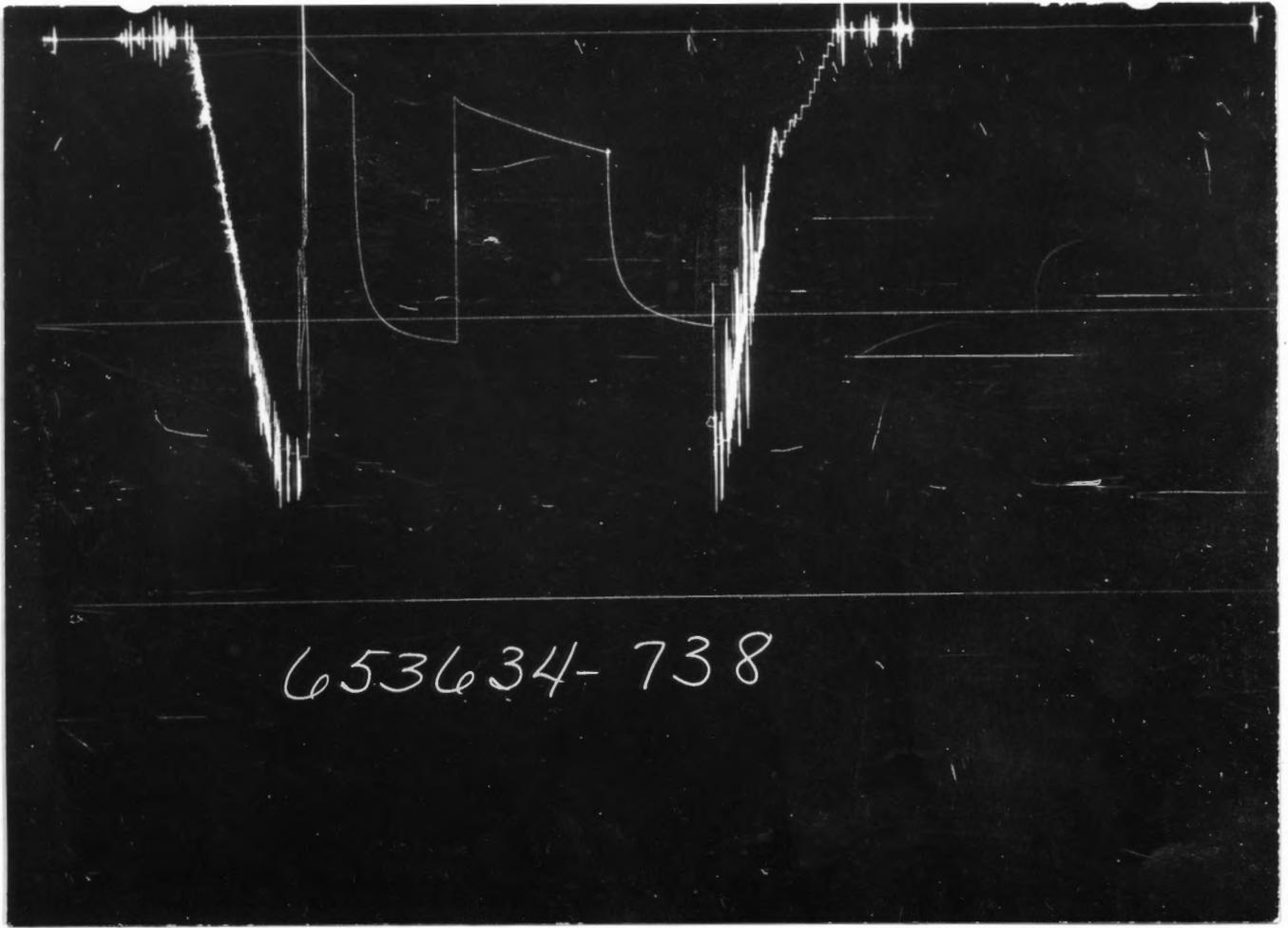
23-23s-13w

FLUID SAMPLE DATA				Date	8-27-74	Ticket Number	653634
Sampler Pressure _____ P.S.I.G. at Surface				Kind of Job	OPEN HOLE	Halliburton District	HAYS
Recovery: Cu. Ft. Gas _____				Tester	MR. BAIRD	Witness	MR. SHEATS
cc. Oil _____				Drilling Contractor			
cc. Water _____				D. R. LAUCK DRILLING COMPANY, INC.			
cc. Mud _____				EQUIPMENT & HOLE DATA			
Tot. Liquid cc. _____				BC S			
Gravity _____ ° API @ _____ °F.				Formation Tested	*		
Gas/Oil Ratio _____ cu. ft./bbl.				Elevation	_____ Ft.		
RESISTIVITY				Net Productive Interval	_____ Ft.		
CHLORIDE CONTENT				All Depths Measured From	_____ Ft.		
Recovery Water _____ @ _____ °F. _____ ppm				Total Depth	2980'		
Recovery Mud _____ @ _____ °F. _____ ppm				Main Hole/Casing Size	7 7/8"		
Recovery Mud Filtrate _____ @ _____ °F. _____ ppm				Drill Collar Length	57'		
Mud Pit Sample _____ @ _____ °F. _____ ppm				Drill Pipe Length	2388.37' - 530' WP I.D. 2.25"		
Mud Pit Sample Filtrate _____ @ _____ °F. _____ ppm				Packer Depth(s)	2933' - 2938'		
Mud Weight 9.3 vis 49 cp				Depth Tester Valve	2923'		
TYPE		AMOUNT		Depth Back Pres. Valve	Surface Choke	Bottom Choke	
Cushion				Ft.	1/4"	3/4"	
Recovered	210	Feet of	Muddy water				
Recovered	870	Feet of	Salt water				
Recovered		Feet of					
Recovered		Feet of					
Recovered		Feet of					
Remarks							
Tool opened for a 29 minute first flow with a weak to strong blow. Closed tool for 60 minute first closed in pressure. Reopened tool for 90 minute second flow with a strong blow. Closed tool for 61 minute second closed in pressure. *TIGHT HOLE							
TEMPERATURE	Gauge No. 738		Gauge No. 272		Gauge No.		TIME
	Depth: 2928' Ft.		Depth: 2976' Ft.		Depth: _____ Ft.		
Est. _____ °F.	12 Hour Clock		12 Hour Clock		Hour Clock		Tool _____ A.M.
	Blanked Off NO		Blanked Off YES		Blanked Off		Opened 3:33 P.M.
2975' @							Opened _____ A.M.
Actual 102°F.							Bypass 7:33 P.M.
	Pressures		Pressures		Pressures		Reported
	Field	Office	Field	Office	Field	Office	Minutes
Initial Hydrostatic	1489	1484	1516	1509			Computed
First Period	Flow Initial	27	31	45	57		Minutes
	Flow Final	197	208	214	229		
	Closed in	1075	1086	1105	1110		
Second Period	Flow Initial	206	220	232	246		
	Flow Final	430	426	447	448		
	Closed in	1012	1041	1069	1065		
Third Period	Flow Initial						
	Flow Final						
	Closed in						
	Final Hydrostatic	1435	1460	1480	1487		

Legal Location Sec. - Twp. - Rng. C SE NE 23 - 23S - 13W
 Lease Name FRENCH
 Well No. 1
 Test No. 2
 Tested Interval 2938' - 2980'
 County STAFFORD
 State KANSAS
 Lease Owner/Company Name KANSAS PETROLEUM, INCORPORATED

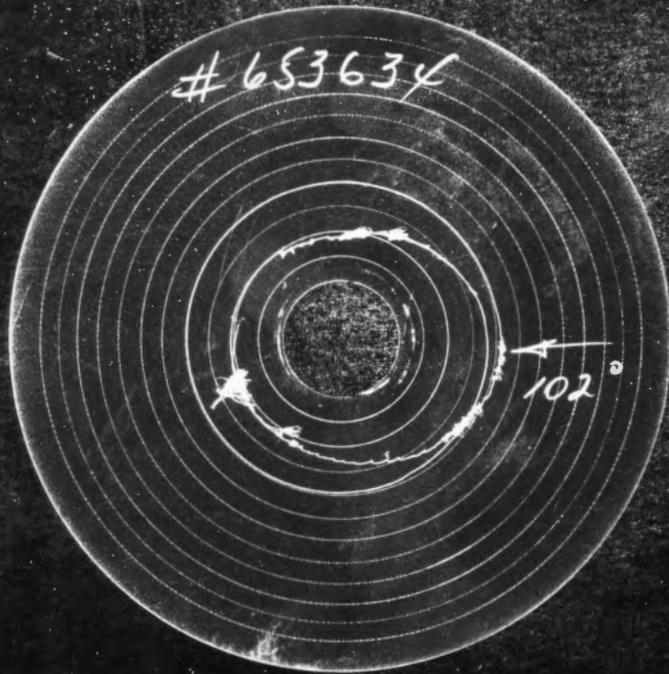
Gauge No. 738		Depth 2928'		Clock No. 2800		12 hour		Ticket No. 653634			
First Flow Period		First Closed In Pressure		Second Flow Period		Second Closed In Pressure		Third Flow Period		Third Closed In Pressure	
Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.
		Log $t + \theta$		Log $t + \theta$		Log $t + \theta$		Log $t + \theta$		Log $t + \theta$	
0	.0000 31	.0000	208	.0000	220	.0000	426				
1	.0269 59*	.0401	879	.1012	275	.0467	869**				
2	.0605 97	.0802	971	.2024	308	.0867	929				
3	.0941 128	.1203	1015	.3036	341	.1267	962				
4	.1277 157	.1604	1039	.4048	372	.1667	984				
5	.1613 184	.2005	1054	.5060	399	.2067	999				
6	.1950 208	.2406	1065	.6070	426	.2467	1012				
7		.2807	1072			.2867	1022				
8		.3208	1078			.3267	1030				
9		.3609	1083			.3667	1036				
10		.4010	1086			.4070	1041				
11											
12											
13											
14											
15											
Gauge No. 272		Depth 2976'		Clock No. 2414		12 hour					
0	.0000 57	.0000	229	.0000	246	.0000	448				
1	.0266 81*	.0393	902	.0995	297	.0467	885**				
2	.0599 119	.0786	1004	.1990	333	.0867	949				
3	.0932 152	.1179	1038	.2985	364	.1267	984				
4	.1265 181	.1572	1064	.3980	395	.1667	1007				
5	.1598 207	.1965	1078	.4975	423	.2067	1023				
6	.1930 229	.2358	1089	.5970	448	.2467	1037				
7		.2751	1097			.2867	1047				
8		.3144	1103			.3267	1054				
9		.3537	1106			.3667	1060				
10		.3930	1110			.4070	1065				
11											
12											
13											
14											
15											
Reading Interval 5		6		15		6				Minutes	
REMARKS: *Interval = 4 minutes **Interval = 7 minutes											

	O. D.	I. D.	LENGTH	DEPTH
Drill Pipe or Tubing	5.75"	2.76"	1'	2336'
Reversing Sub				
Water Crossover Valve	4 1/2"	3.826"	2388.37'	
Drill Pipe	4.50"	2.764"	530'	
Wt. of Pipe & 1 stand of drill pipe	6"	2.25"	57'	
Drill Collars				
Handling Sub & Choke Assembly	5"	.87"	48.93"	
Dual CIP Valve				
Dual CIP Sampler				
Hydra-Spring Tester	5"	.75"	60.21"	2923'
Multiple CIP Sampler				
Extension Joint				
AP Running Case	5"	3.06"	49.63"	2928'
Hydraulic Jar				
VR Safety Joint				
Pressure Equalizing Crossover				
Packer Assembly				
Distributor				
Packer Assembly	6 3/4"	1.53"	4.89'	2933'
Flush Joint Anchor				
Pressure Equalizing Tube				
Blanked-Off B.T. Running Case				
Drill Collars				
Anchor Pipe Safety Joint				
Packer Assembly	6 3/4"	1.53"	4.89'	2938'
Distributor				
Packer Assembly				
Anchor Pipe Safety Joint				
Side Wall Anchor				
Drill Collars				
Flush Joint Anchor	5"	3.84"	38'	
Blanked-Off B.T. Running Case	5"	3.06"	4'	2976'
Total Depth				2980'



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

TEMPERATURE RECORDER CHART



10° each circle

OF_3	= Theoretical Open Flow Potential with/Damage Removed Max.	MCF/D
OF_4	= Theoretical Open Flow Potential with/Damage Removed Min.	MCF/D
P_s	= Extrapolated Static Pressure	Psig.
P_f	= Final Flow Pressure	Psig.
P_{ot}	= Potentiometric Surface (Fresh Water *)	Feet
Q	= Average Adjusted Production Rate During Test	bbls/day
Q_1	= 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.