

Legal Location Sec. - Twp. - Rng. 3 - 15 - 18
 Lease Name PFANNENSTIEL
 Well No. 1
 Test No. 1
 Tested Interval 3600' - 3632'
 County ELLIS
 State KANSAS
 Lease Owner/Company Name A. L. ABERCROMBIE INCORPORATED

FLUID SAMPLER DATA	
Sampler Pressure _____ P.S.I.G. at Surface	
Recovery: Cu. Ft. Gas _____	
cc. Oil _____	
cc. Water _____	
cc. Mud _____	
Tot. Liquid cc. _____	
Gravity _____ ° API @ _____ °F.	
Gas/Oil Ratio _____ cu. ft./bbl.	
RESISTIVITY _____	CHLORIDE CONTENT _____
Recovery Water _____ @ _____ °F. _____ ppm	
Recovery Mud _____ @ _____ °F. _____ ppm	
Recovery Mud Filtrate _____ @ _____ °F. _____ ppm	
Mud Pit Sample _____ @ _____ °F. _____ ppm	
Mud Pit Sample Filtrate _____ @ 10.1 °F. _____ ppm	
Mud Weight _____ vis _____ 42 cp	

Date 6-25-70	Ticket Number 265074
Kind of Job OPEN HOLE	Halliburton District HAYS
Tester MR. HUGHES	Witness MR. IVERSON
Drilling Contractor COMPANY TOOLS	IC S
EQUIPMENT & HOLE DATA	
Formation Tested	Conglomerate Sand
Elevation	2017' D.F. _____ Ft.
Net Productive Interval	5' _____ Ft.
All Depths Measured From	Derrick Floor
Total Depth	3632' _____ Ft.
Main Hole/Casing Size	6 3/4"
Drill Collar Length	FLEX WT. 1055' I.D. 2.00"
Drill Pipe Length	2527' I.D. 3.340"
Packer Depth(s)	3595' - 3600' _____ Ft.
Depth Tester Valve	3587' _____ Ft.

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

Recovered	Feet of	Mud
15		
Recovered	Feet of	
Recovered	Feet of	
Recovered	Feet of	
Recovered	Feet of	

Remarks Opened tool for 16 minute first flow with a weak blow. Closed tool for 29 minute initial closed in pressure. Reopened tool for 30 minute second flow period with no blow. Closed tool for 30 minute second closed in pressure.

Maximum Temperature 115° F

TEMPERATURE	Gauge No. 1375	Gauge No. 310	Gauge No.	TIME	
	Depth: 3602' Ft.	Depth: 3629' Ft.	Depth: _____ Ft.		
Est. _____ °F.	12 Hour Clock	12 Hour Clock	Hour Clock	Tool Opened 5:25 XXX A.M.	
Actual 115 °F.	Blanked Off NO	Blanked Off YES	Blanked Off	Tool Closed 7:10 XXX A.M.	
	Pressures		Pressures	Reported	
	Field	Office	Field	Office	
Initial Hydrostatic	-	1920	1969	1932	Minutes
First Period Flow	Initial	19	26	34	Minutes
	Final	19	36	35	15
Second Period Flow	Initial	24	36	38	30
	Final	21	36	34	30
Third Period Flow	Initial	221	232	234	30
	Final	-	-	-	30
Final Hydrostatic	-	1920	1933	1932	Minutes

Gauge No. 1375		Depth 3602'		Clock No. 4205		12 hour		Ticket No. 265074			
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"	$\text{Log } \frac{t + \theta}{\theta}$	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	19		.000	24	.000		.000	21		
1	.107	19		.0201	21	.193					
2				.0402							
3				.0603							
4				.0804							
5				.1005							
6				.1206							
7				.1407							
8				.1608							
9				.1809							
10				.1940							
11											
12											
13											
14											
15											

Gauge No. 310		Depth 3629'		Clock No. 2055		12 hour	
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	34		.000	38	.000	
1	.104	35		.0203	34	.199	
2				.0406			
3				.0609			
4				.0812			
5				.1015			
6				.1218			
7				.1421			
8				.1624			
9				.1827			
10				.1960			
11							
12							
13							
14							
15							

Reading Interval 3
REMARKS: *Last interval equal to 2 minutes

5

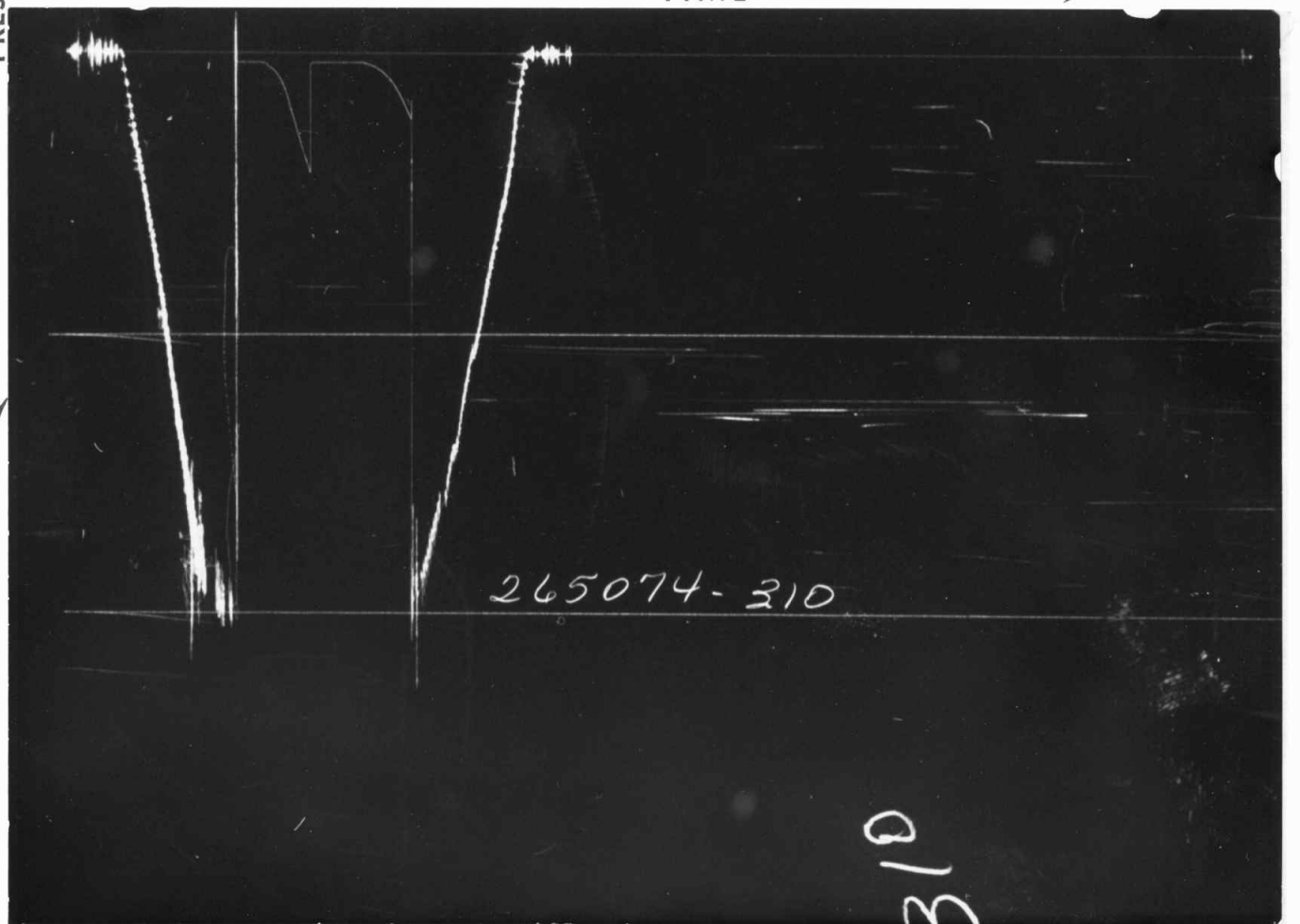
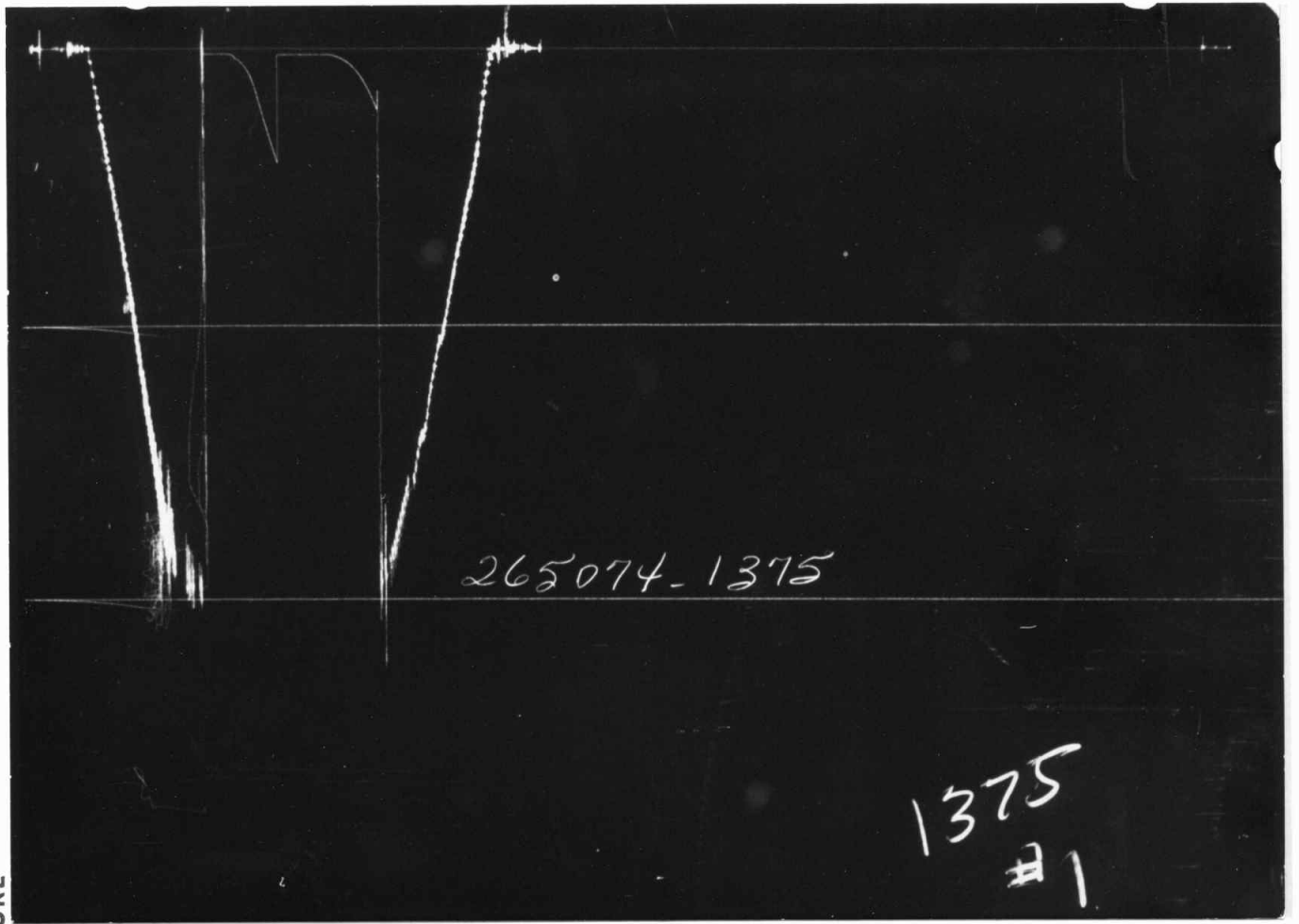


	O. D.	I. D.	LENGTH	DEPTH
Reversing Sub	5"		1'	
Water Cushion Valve				
Drill Pipe	4"	3.340"	2527'	
Drill Collars	3 1/2"	2.00"	1055' FLEX WEIGHT	
Handling Sub & Choke Assembly				
Dual CIP Valve	5"	3/4"	5'	
Dual CIP Sampler				
Hydro-Spring Tester	5"	3/4"	5'	3587'
Multiple CIP Sampler				
Extension Joint				
AP Running Case	5"	2.76"	4'	3602'
Hydraulic Jar				
VR Safety Joint				
Pressure Equalizing Crossover				
Packer Assembly	5 1/2"	1.53"	5'	3595'
Distributor				
Packer Assembly	5 1/2"	1.53"	5'	3600'
Flush Joint Anchor	5"	2.76"	23'	
Pressure Equalizing Tube				
Blanked-Off B.T. Running Case /TEMP.	5"	2.76"	5'	3629'
Drill Collars				
Anchor Pipe Safety Joint				
Packer Assembly				
Packer Assembly				
Anchor Pipe Safety Joint				
Side Wall Anchor				
Drill Collars				
Flush Joint Anchor				
Blanked-Off B.T. Running Case				

TEMPERATURE
RECORDER
CHART



10° each circle



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