

Legal Location: Sec. - Twp. - Rng. **3 33 13**
 Lease Name: **MAGISON**
 Well No.: **A-1**
 Test No.: **1**
 Tested Interval: **4495-4536'**
 Field Area: **WILDCAT**
 County: **BOWERS**
 State: **KANSAS**
 Lease Owner/Company Name: **BOWERS DRILLING COMPANY**

FLUID SAMPLE DATA				Date	10-22-70	Ticket Number	261870	
Sampler Pressure _____ P.S.I.G. at Surface				Kind of Job	OPEN HOLE	Halliburton District	PRATT	
Recovery: Cu. Ft. Gas _____				Tester	BILL THOMPSON	Witness	BOB MC CANN	
cc. Oil _____				Drilling Contractor	BOWERS DRILLING COMPANY	SM	S	
cc. Water _____				EQUIPMENT & HOLE DATA				
cc. Mud _____				Formation Tested	Mississippi			
Tot. Liquid cc. _____				Elevation	1690'	KB	Ft.	
Gravity _____ ° API @ _____ ° F.	RESISTIVITY			Net Productive Interval	35'	Ft.		
Gas/Oil Ratio _____ cu. ft./bbl.	CHLORIDE CONTENT			All Depths Measured From	Kelly bushing			
Recovery Water _____ @ _____ ° F. _____ ppm				Total Depth	4536'	Ft.		
Recovery Mud _____ @ _____ ° F.				Main Hole/Casing Size	7 7/8"			
Recovery Mud Filtrate _____ @ _____ ° F. _____ ppm				Drill Collar Length	170'	I.D.	2 1/4"	
Mud Pit Sample _____ @ _____ ° F.				Drill Pipe Length	4300'	I.D.	3.826"	
Mud Pit Sample Filtrate _____ @ _____ ° F. _____ ppm				Packer Depth(s)	4495'	Ft.		
Mud Weight _____ 9.9 vis _____ 42 cp				Depth Tester Valve	4475'	Ft.		
Cushion	TYPE	AMOUNT	Depth Back Pres. Valve	Surface Choke	1"	Bottom Choke	3/4"	
Recovered	80	Feet of gas cut mud						
Recovered		Feet of						
Recovered		Feet of						
Recovered		Feet of						
Recovered		Feet of						
Remarks	Tool opened with a strong blow with gas to the surface in 25 minutes, too weak to measure. Closed tool for 45 minute first closed in pressure. Tool reopened for a 30 minute second flow. Took 45 minute second closed in pressure.							
TEMPERATURE	Gauge No. 1831	Gauge No. 1830	Gauge No.	TIME				
	Depth: 4485 Ft.	Depth: 4532 Ft.	Depth: Ft.					
Calc. 120 ° F.	12 Hour Clock	12 Hour Clock	Hour Clock	Tool Opened 12:30 P.M.				
Est.	Blanked Off no	Blanked Off yes	Blanked Off	Tool Closed 3:20 P.M.				
Actual ° F.	Pressures		Pressures		Pressures		Reported	Computed
	Field	Office	Field	Office	Field	Office	Minutes	Minutes
Initial Hydrostatic	2379	2322	2379	2350				
First Period	Flow Initial	19	35	19	79			
	Flow Final	22	34	28	54			
	Closed in	470	493	490	512		30	30
Second Period	Flow Initial	19	26	19	59		45	45
	Flow Final	28	35	28	53			
	Closed in	490	483	490	501		30	30
Third Period	Flow Initial						45	45
	Flow Final							
	Closed in							
Final Hydrostatic	2361	2280	2361	2310				

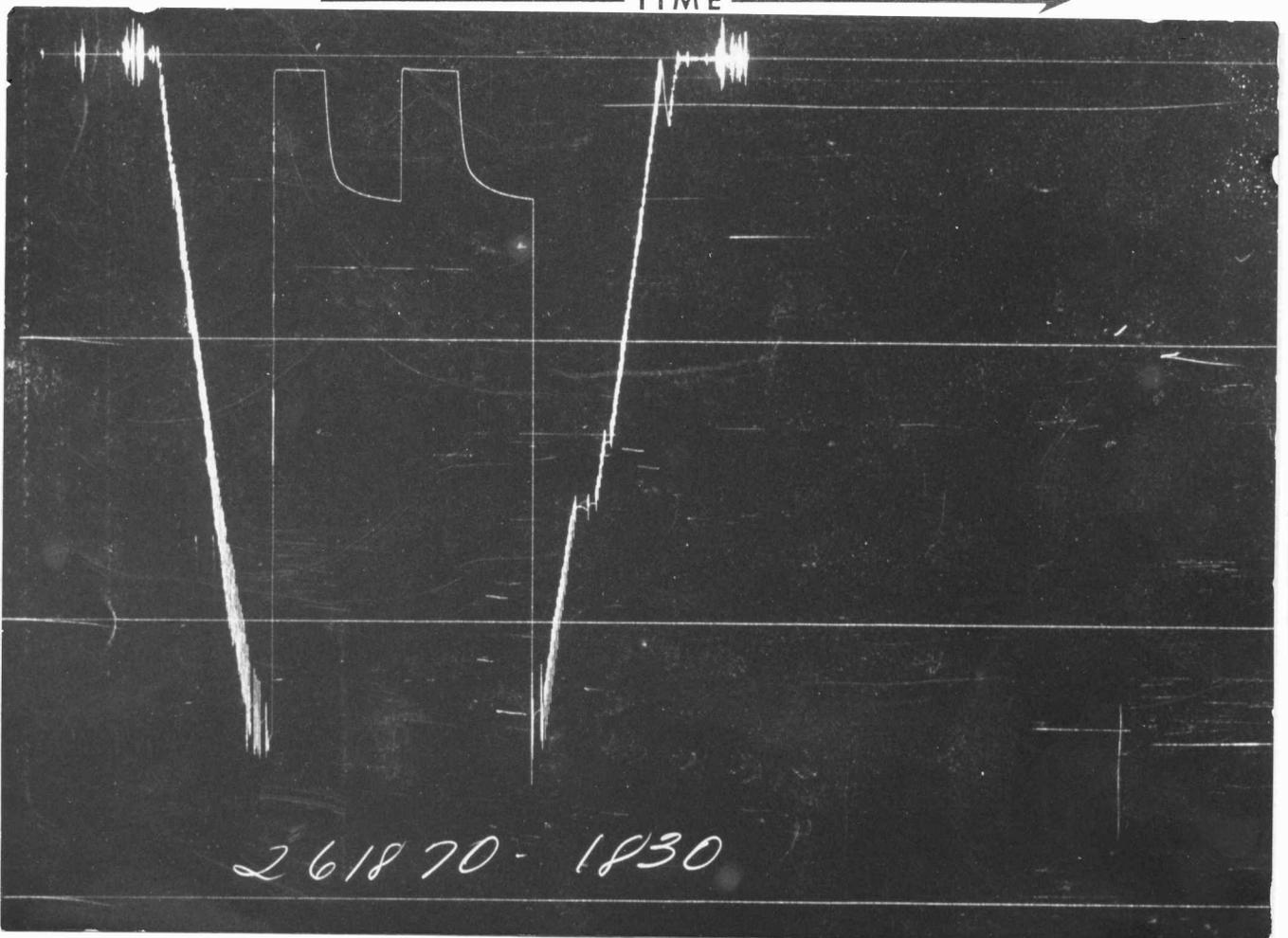
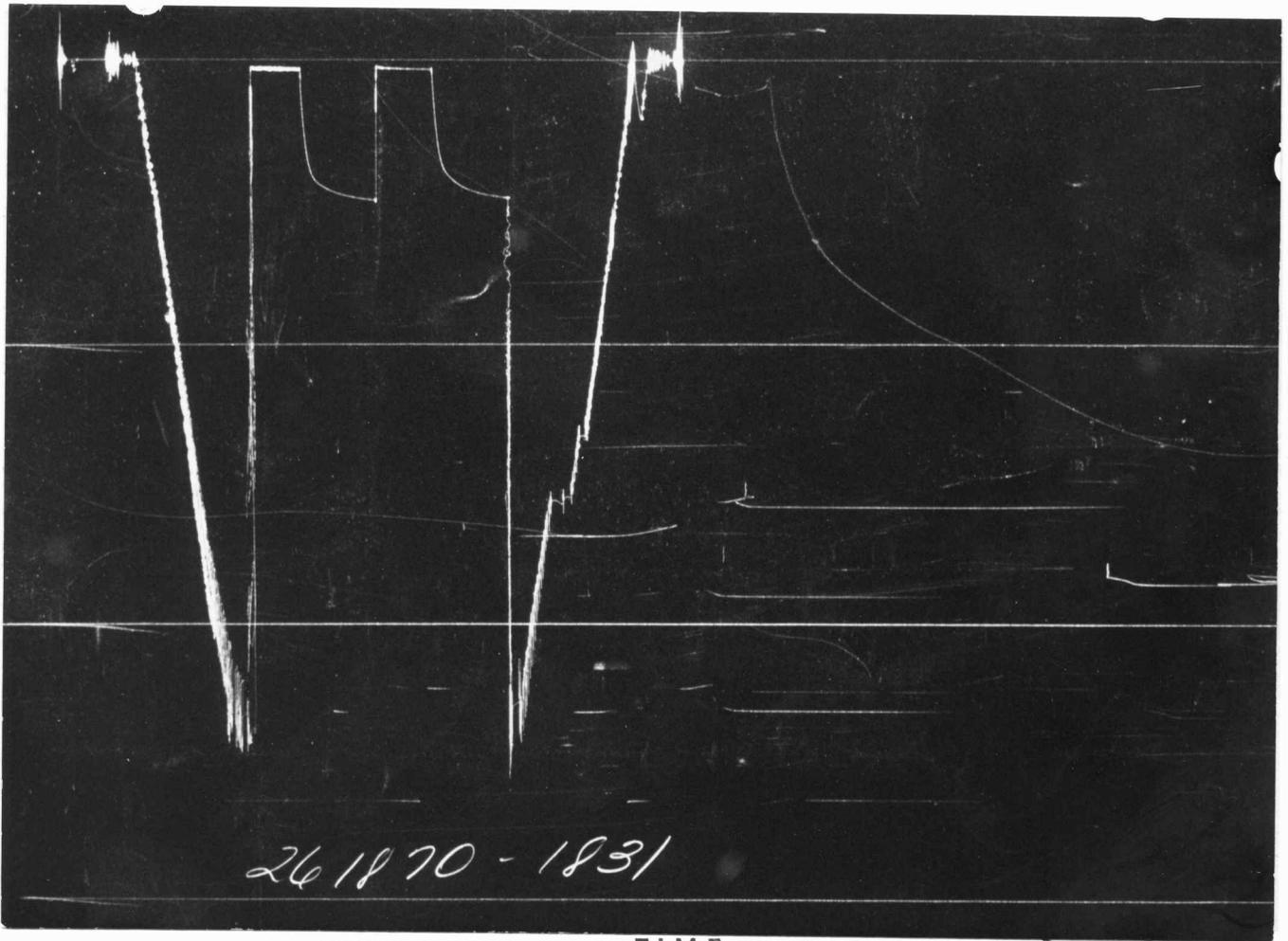
FORMATION TEST DATA

LITTLE'S

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Gauge No.		1831		Depth		4485'		Clock No.		3004		12 hour		Ticket No. 261870	
First Flow Period		Closed In Pressure		Second Flow Period		Closed In Pressure		Third Flow Period		Closed In Pressure		Third Flow Period		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"	$\text{Log } \frac{t + \theta}{\theta}$	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.
0	.000	35		.000	26	.000		.000	35						
1	.188	34		.0265	30	.0265		.0267	305						
2				.0530	31	.0530		.0534	391						
3				.0795	31	.0795		.0801	420						
4				.1060	32	.1060		.1068	438						
5				.1325	33	.1325		.1335	452						
6				.1590	33	.1590		.1602	462						
7				.1855	34	.1855		.1869	469						
8				.2120	35	.2120		.2136	474						
9								.2403	478						
10								.2670	482						
11								.2940	483						
12															
13															
14															
15															
Gauge No.		1830		Depth		4532'		Clock No.		3722		12 hour			
0	.000	79		.000	59	.000		.000	53						
1	.194	54		.0269	46	.0269		.0266	325						
2				.0538	48	.0538		.0532	410						
3				.0807	49	.0807		.0798	437						
4				.1076	50	.1076		.1064	456						
5				.1345	51	.1345		.1330	464						
6				.1614	52	.1614		.1596	478						
7				.1883	52	.1883		.1862	485						
8				.2150	53	.2150		.2128	491						
9								.2394	495						
10								.2660	498						
11								.2930	501						
12															
13															
14															
15															
Reading Interval				4		4		4						Minutes	
REMARKS:															

	O. D.	I. D.	LENGTH	DEPTH
Reversing Sub	5 5/8"	2"	1 1/2'	
Water Cushion Valve				
Drill Pipe	4 1/2" FH	3.826"	4300'	
Drill Collars	-	2 1/4"	170'	
Handling Sub & Choke Assembly	5 3/4"	2 1/2"	2 1/2'	
Dual CIP Valve	5"	3/4"	6'	
Dual CIP Sampler				
Hydro-Spring Tester	5"	3/4"	5'	4475'
Multiple CIP Sampler				
Extension Joint				
AP Running Case	5"	2 1/4"	4'	4485'
Hydraulic Jar	5"	3/4"	5'	
VR Safety Joint	5"	1 1/2"	3'	
Pressure Equalizing Crossover				
Packer Assembly	6 3/4"	3/4"	4'	4495'
Distributor				
Packer Assembly	5"			
Flush Joint Anchor	5"	2 1/4"	4'	
Pressure Equalizing Tube				
Blanked-Off B.T. Running Case	5"	2 1/2"	4'	4532'
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				



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