





FLUID SAMPLE DATA				Date	Ticket Number		
Sampler Pressure _____ P.S.I.G. at Surface				7-14-81	137639		
Recovery: Cu. Ft. Gas _____				Kind of D.S.T. <b>OPEN HOLE</b>	Holliburton Location <b>PRATT</b>		
cc. Oil _____				Tester <b>MARTIN-GRAHAM</b>	Witness <b>SLADEK</b>		
cc. Water _____				Drilling Contractor <b>SLAWSON DRILLING COMPANY RIG #5</b> bj			
cc. Mud _____				EQUIPMENT & HOLE DATA			
Tot. Liquid cc. _____				Formation Tested <b>Toronto</b>			
Gravity _____ ° API @ _____ °F.				Elevation <b>1775' GL</b>	Ft.		
Gas/Oil Ratio _____ cu. ft./bbl.				Net Productive Interval <b>-</b>	Ft.		
RESISTIVITY		CHLORIDE CONTENT		All Depths Measured From <b>Kelly Bushing</b>			
Recovery Water _____ @ _____ °F. _____ ppm				Total Depth <b>4285'</b>	Ft.		
Recovery Mud _____ @ _____ °F. _____ ppm				Main Hole/Casing Size <b>8.625"</b>			
Recovery Mud Filtrate _____ @ _____ °F. _____ ppm				Drill Collar Length <b>400'</b> I.D. <b>2.25"</b>			
Mud Pit Sample _____ @ _____ °F. _____ ppm				Drill Pipe Length <b>3802'</b> I.D. <b>3.826"</b>			
Mud Pit Sample Filtrate _____ @ _____ °F. <b>15,000</b> ppm				Packer Depth(s) <b>4241'</b> <b>4247'</b>	Ft.		
Mud Weight <b>9.5</b> vis <b>48</b> sec.				Depth Tester Valve <b>4224'</b>	Ft.		
TYPE		AMOUNT		Surface Choke	Bottom Choke		
Cushion				<b>1/4"</b>	<b>3/4"</b>		
Recovered	<b>3</b>	Feet of mud					
Recovered		Feet of					
Recovered		Feet of					
Recovered		Feet of					
Recovered		Feet of					
Remarks <b>SEE PRODUCTION TEST DATA SHEET....</b>							
TEMPERATURE		Gauge No. <b>1831</b>	Gauge No. <b>1830</b>	Gauge No.	TIME		
		Depth: <b>4226'</b> Ft.	Depth: <b>4282'</b> Ft.	Depth: _____ Ft.	(00:00-24:00 hrs.)		
Calc. <b>110</b> °F.		24 Hour Clock		24 Hour Clock	Tool		
Est. _____ °F.		Blanked Off <b>NO</b>		Blanked Off <b>YES</b>	Opened <b>1918</b>		
Actual _____ °F.		Pressures		Pressures	Opened Bypass <b>2148</b>		
		Field	Office	Field	Office	Reported	Computed
Initial Hydrostatic			<b>2027.1</b>	<b>2050</b>	<b>2050.3</b>	Minutes	Minutes
First Period	Flow Initial		<b>8.2</b>	<b>37</b>	<b>34.2</b>		
	Flow Final		<b>8.2</b>	<b>37</b>	<b>34.2</b>	<b>30</b>	
	Closed in		<b>12.8</b>	<b>37</b>	<b>36.1</b>	<b>30</b>	
Second Period	Flow Initial		<b>8.2</b>	<b>37</b>	<b>35.1</b>		
	Flow Final		<b>8.2</b>	<b>37</b>	<b>36.1</b>	<b>30</b>	
	Closed in		<b>12.8</b>	<b>37</b>	<b>37.0</b>	<b>60</b>	
Third Period	Flow Initial						
	Flow Final						
	Closed in						
Final Hydrostatic			<b>2027.1</b>	<b>2050</b>	<b>2050.3</b>		

Legal Location Sec. - Twp. - Rng. **20 34S 21W**

Lease Name **SHUPE**

Well No. **1-20**

Test No. **2**

Tested Interval **4247' to 4285'**

County **CLARK**

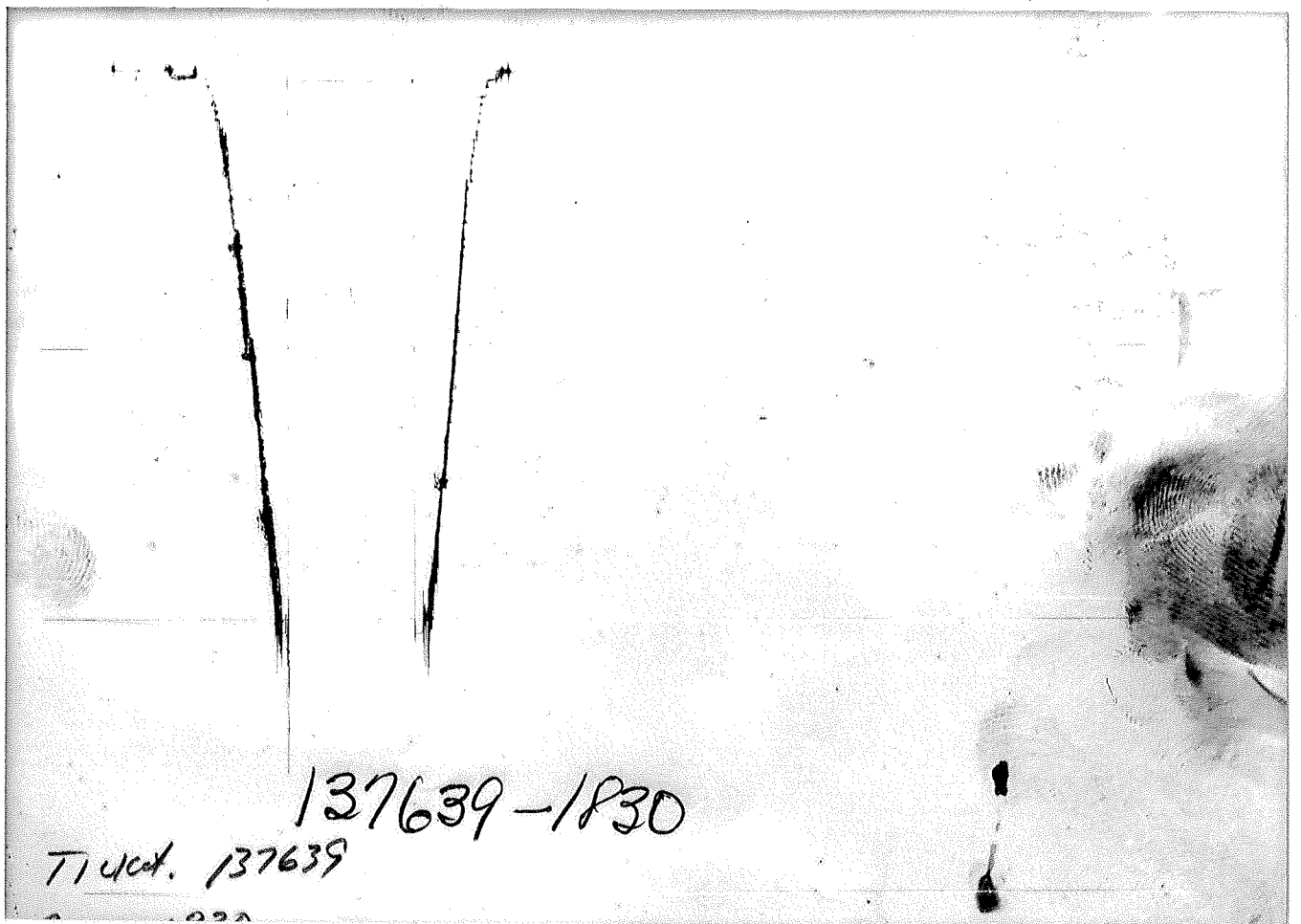
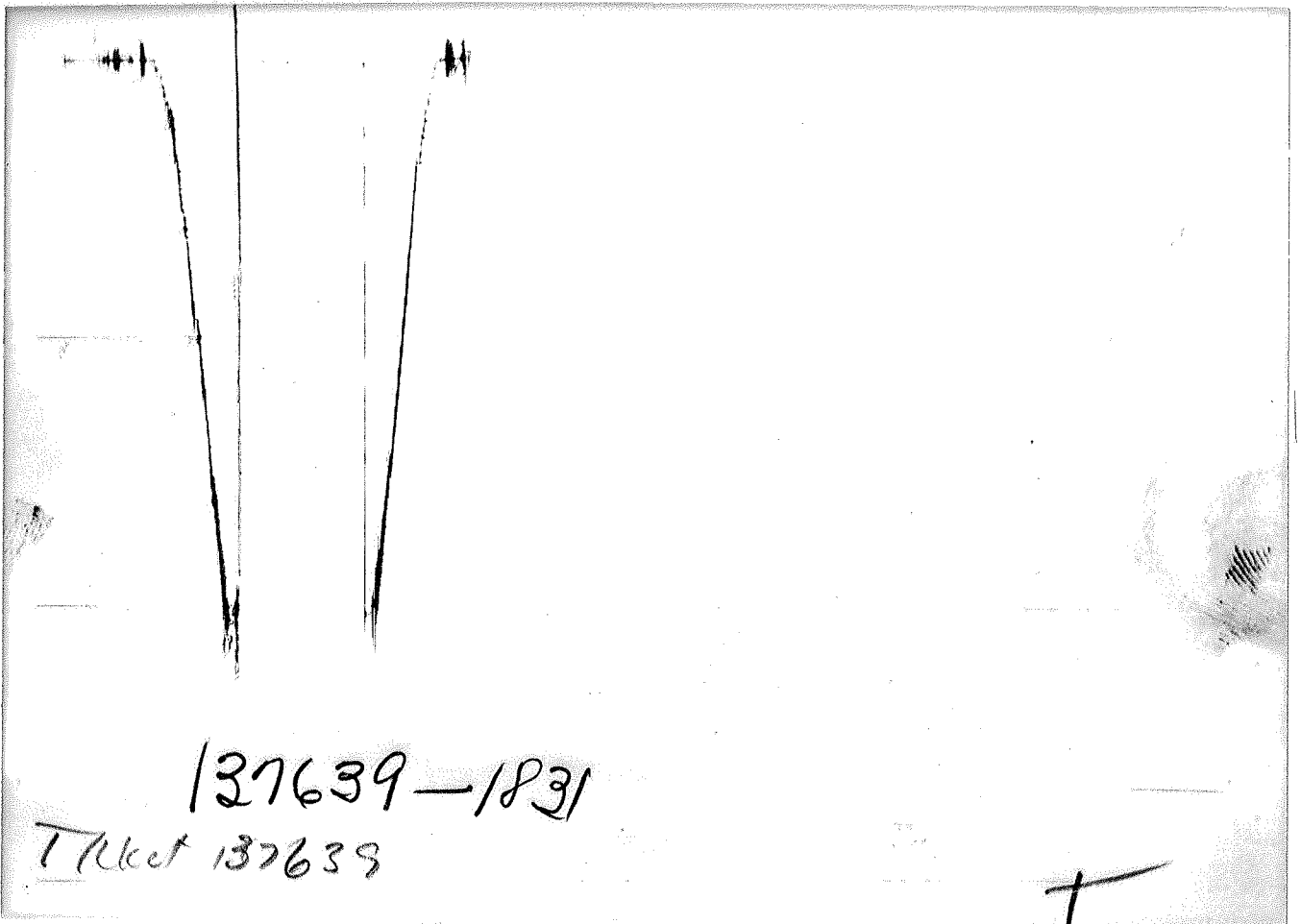
State **KANSAS**

Lease Owner/Company Name **RINE DRILLING COMPANY**





	O. D.	I. D.	LENGTH	DEPTH
Drill Pipe or Tubing	4.5"	3.86"	3802'	
Drill Collars	6 1/4"	2.25"	338'	
Reversing Sub			1'	
Water Cushion Valve				
Drill Pipe				
Drill Collars	6 1/4"	2.25"	62'	
Handling Sub & Choke Assembly	5"	.87"	6'	
Dual CIP Valve			5'	4219'
Dual CIP Sampler				
Hydro-Spring Tester	5"	.75"	5'	4224'
Multiple CIP Sampler				
Extension Joint				
AP Running Case	5"	3.06"	4'	4226'
Hydraulic Jar	5"	1.5"	5'	
VR Safety Joint	5"	1"	3'	
Pressure Equalizing Crossover				
Packer Assembly	6 3/4"	1.53"	6'	4241'
Distributor				
Packer Assembly	6 3/4"	1.53"	6'	4247'
Flush Joint Anchor	5"	2.37"	32'	
Pressure Equalizing Tube				
Blanked-Off B.T. Running Case				
Drill Collars				
Anchor Pipe Safety Joint				
Packer Assembly				
Distributor				
Packer Assembly				
Anchor Pipe Safety Joint				
Side Wall Anchor				
Drill Collars				
Flush Joint Anchor				
Blanked-Off B.T. Running Case	5"	3.06"	4'	4282'
Total Depth				4285'



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