

15-073-21225

17-235-12E

FLUID SAMPLE DATA				Date <u>7-17-77</u>		Ticket Number <u>070289</u>	
Sampler Pressure _____ P.S.I.G. at Surface				Kind of Job <u>STRADDLE</u>		Halliburton District <u>EL DORADO</u>	
Recovery: Cu. Ft. Gas _____				Tester <u>JACK WARREN</u>		Witness <u>BERENTZ</u>	
cc. Oil _____				Drilling Contractor <u>BERENTZ DRILLING COMPANY</u> TH			
cc. Water _____				EQUIPMENT & HOLE DATA			
cc. Mud _____				Formation Tested <u>Viola</u>			
Tot. Liquid cc. _____				Elevation <u>1151'</u> KB Ft.			
Gravity _____ ° API @ _____ ° F.				Net Productive Interval <u>12'</u> Ft.			
Gas/Oil Ratio _____ cu. ft./bbl.				All Depths Measured From <u>Kelly Bushing</u>			
RESISTIVITY _____ CHLORIDE CONTENT _____				Total Depth <u>2348'</u> Ft.			
Recovery Water _____ @ _____ ° F. _____ ppm				Main Hole/Casing Size <u>6 1/8"</u>			
Recovery Mud _____ @ _____ ° F. _____ ppm				Drill Collar Length <u>240'</u> I.D. <u>2 13/16"</u>			
Recovery Mud Filtrate _____ @ _____ ° F. _____ ppm				Drill Pipe Length <u>2040'</u> I.D. <u>3.826"</u>			
Mud Pit Sample _____ @ _____ ° F. _____ ppm				Packer Depth(s) <u>2316' - 2328'</u> Ft.			
Mud Pit Sample Filtrate _____ @ _____ ° F. _____ ppm				Depth Tester Valve <u>2298'</u> Ft.			
Mud Weight <u>9.3</u> vis <u>32</u> sec							
TYPE		AMOUNT		Depth Back Pres. Valve		Surface Choke	
Cushion				Ft.		Bottom Choke <u>.75"</u>	
Recovered		Feet of					
Recovered		Feet of					
Recovered		Feet of					
Recovered		Feet of					
Recovered		Feet of					
Remarks		<u>MISRUN . . .</u>					
TEMPERATURE		Gauge No. <u>7350</u>		Gauge No. <u>397</u>		Gauge No.	
Depth:		<u>2303</u> Ft.		<u>2344</u> Ft.		Depth: _____ Ft.	
Est. _____ ° F.		<u>12</u> Hour Clock		<u>12</u> Hour Clock		Hour Clock	
Blanked Off <u>NO</u>		Blanked Off		Blanked Off		Tool _____ A.M.	
Actual _____ ° F.		Pressures		Pressures		Opened _____ P.M.	
		Field Office		Field Office		Opened _____ A.M.	
Initial Hydrostatic		<u>1106</u>		<u>1093</u>		Bypass _____ P.M.	
First Period Flow Initial						Reported Minutes	
Flow Final						Computed Minutes	
Closed in		<u>UNSUCCESSFUL TEST . . .</u>					
Second Period Flow Initial							
Flow Final							
Closed in							
Third Period Flow Initial							
Flow Final							
Closed in							
Final Hydrostatic		<u>1110</u>		<u>1090</u>			

Legal Location
Sec. - Twp. - Rng.

17 - 23 - 12E

Field Area
MILDCAT

County

GREENWOOD

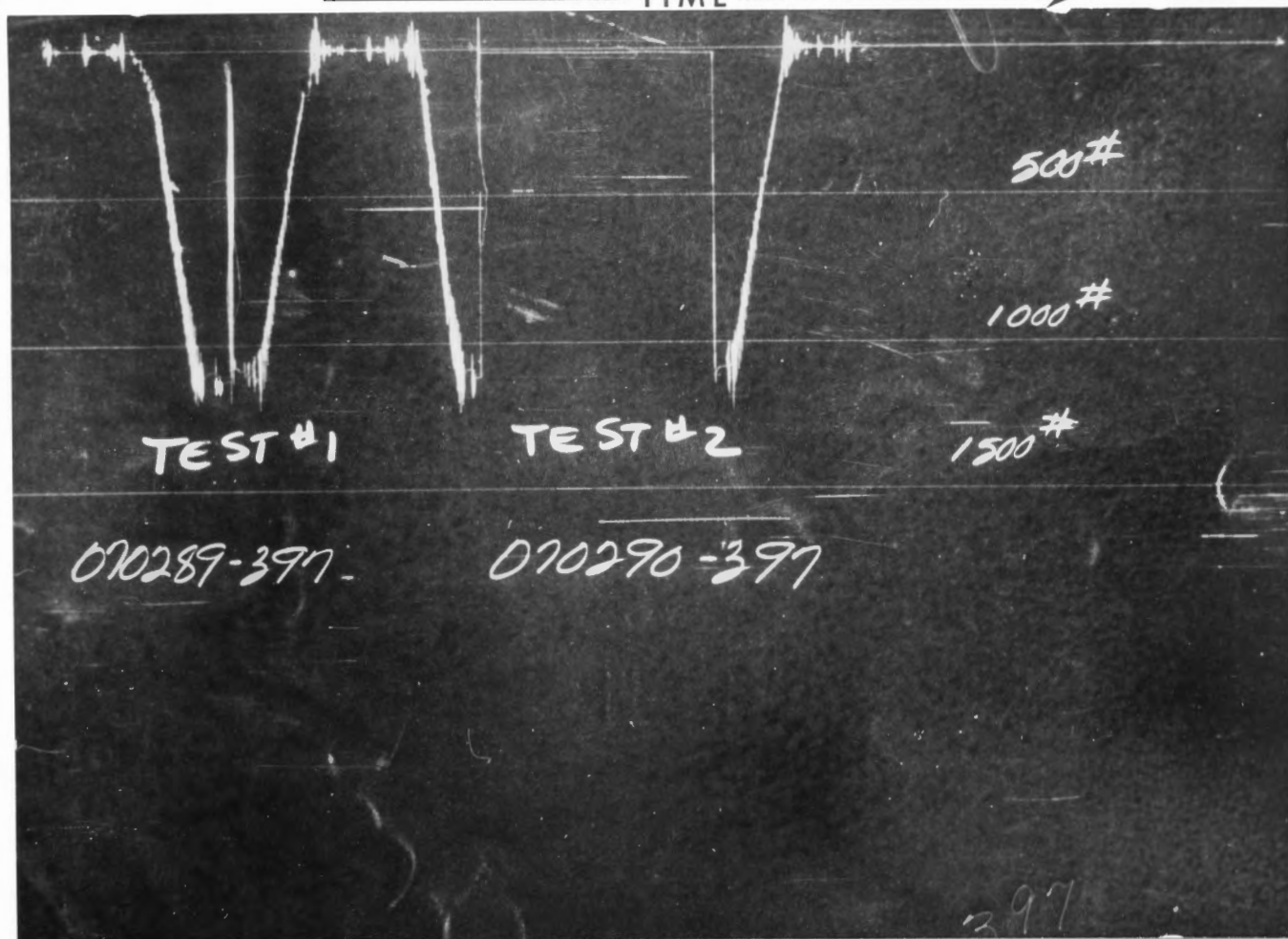
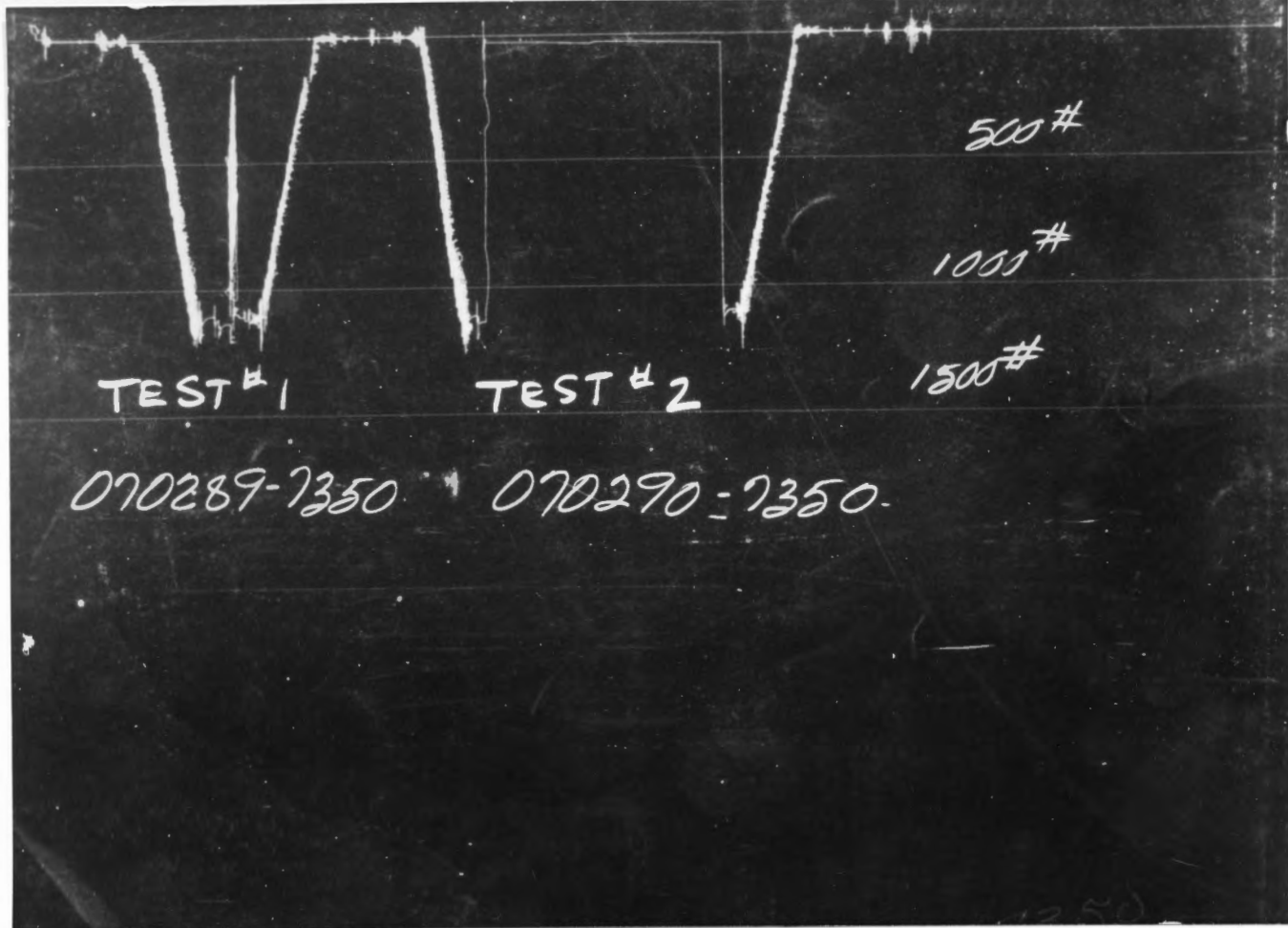
State

KANSAS

BONKOWSKI
Lease Name1
Well No.1
Test No.2316' - 2328'
Tested IntervalENERGY RESEARCH & DEVELOPMENT ADMINISTRATION
Lease Owner/Company Name

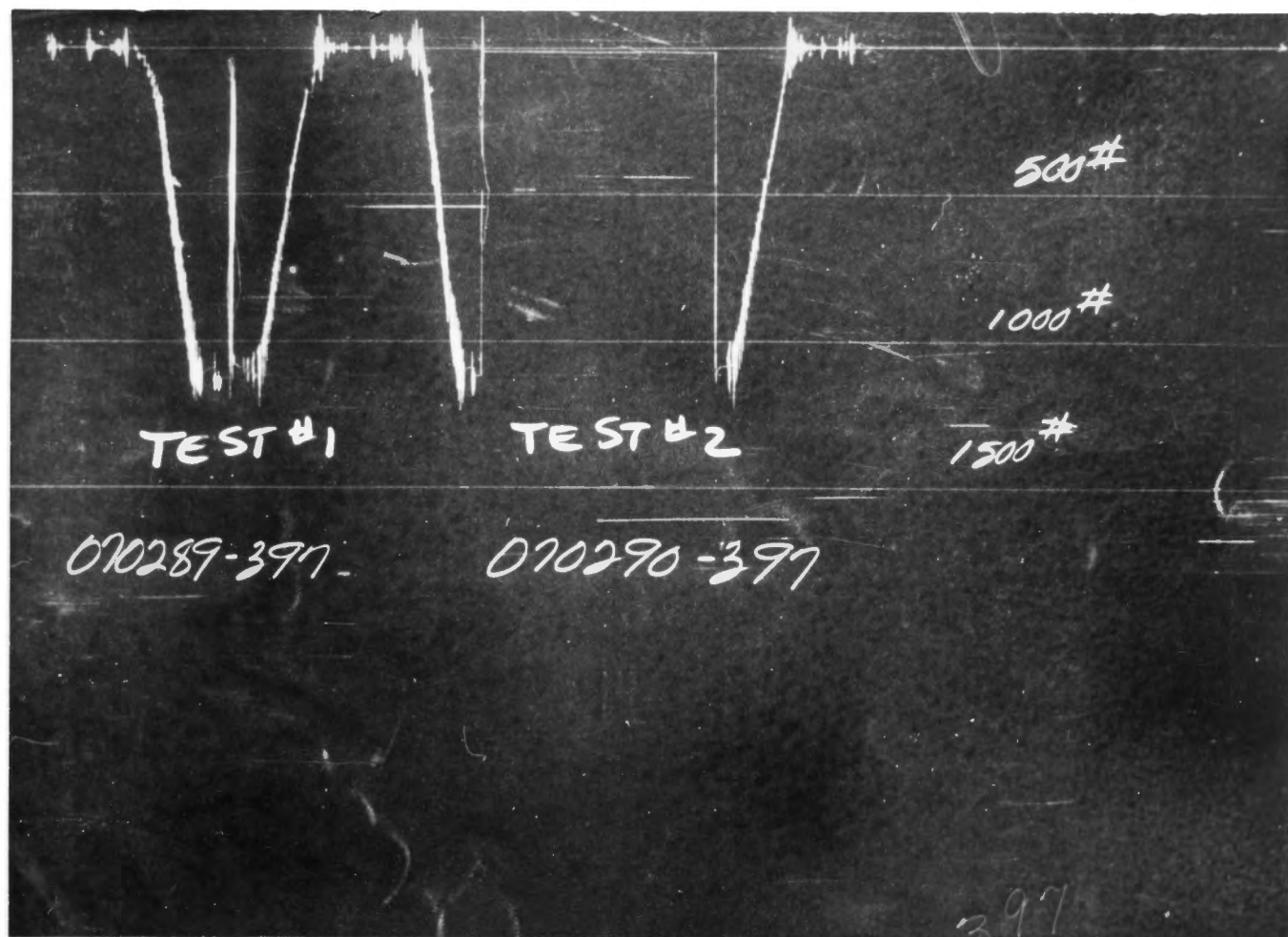
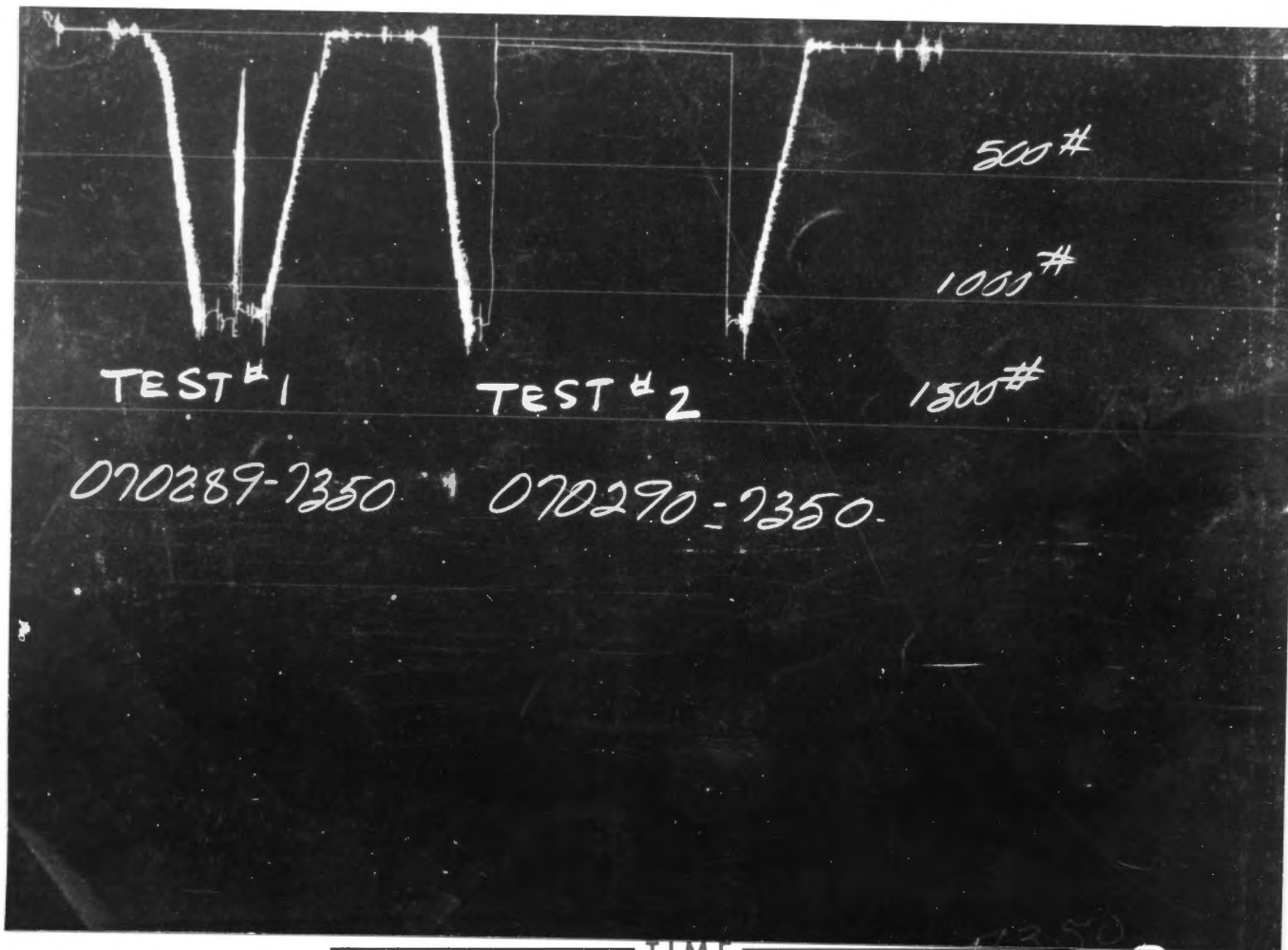
	O. D.	I. D.	LENGTH	DEPTH
Drill Pipe or Tubing	5"	2.5"	1'	
Reversing Sub				
Water Cushion Valve				
Drill Pipe	4 1/2"	3.826"	2040'	
Drill Collars	6 1/4"	2 13/16"	240'	
Handling Sub & Choke Assembly	5"	2.5"	2.80'	
Dual CIP Valve	5"	.75"	4.90'	2293'
Dual CIP Sampler				
Hydro-Spring Tester	5"	.75"	5'	2298'
Multiple CIP Sampler				
Extension Joint				
AP Running Case	5"	3.06"	4.10'	2303'
Hydraulic Jar	5"	1.75"	4.80'	
VR Safety Joint	5"	1"	3.90'	
Pressure Equalizing Crossover				
Packer Assembly	5"	.75"	4.90'	2316'
Distributor				
Packer Assembly				
Flush Joint Anchor	3 3/4"	1.75"	7'	
Pressure Equalizing Tube				
Blanked-Off B.T. Running Case				
Drill Collars				
Anchor Pipe Safety Joint				
Packer Assembly	5"	.75"	4.90'	2328'
Distributor				
Packer Assembly				
Anchor Pipe Safety Joint				
XXXXXX XXXXXX Blankoff Sub	3 3/4"		1'	
Drill Collars				
Flush Joint Anchor	3 3/4"	1.75"	11'	
Blanked-Off B.T. Running Case	3 3/4"		4.10'	2344'
Total Depth				2348'

PRESSURE



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

	O. D.	I. D.	LENGTH	DEPTH
Drill Pipe or Tubing	5"	2.5"	1'	
Reversing Sub				
Water Cushion Valve				
Drill Pipe	4 1/2"	3.826"	2040'	
Drill Collars	6 1/4"	2 13/16"	240'	
Handling Sub & Choke Assembly	5"	2.5"	2.80'	
Dual CIP Valve	5"	.75"	4.90'	2282'
Dual CIP Sampler				
Hydro-Spring Tester	5"	.75"	5'	2287'
Multiple CIP Sampler				
Extension Joint				
AP Running Case	5"	3.06"	4.10'	2292'
Hydraulic Jar	5"	1.75"	4.80'	
VR Safety Joint	5"	1"	3.90'	
Pressure Equalizing Crossover				
Packer Assembly				
Distributor				
Packer Assembly	6 3/4"	1.68"	5.80'	2305'
Flush Joint Anchor	3 3/4"	1.75"	18'	
Pressure Equalizing Tube				
Blanked-Off B.T. Running Case	3 7/8"	3"	4.90'	2323'
Drill Collars				
Anchor Pipe Safety Joint				
Packer Assembly	5"	.75"	4.90'	2328'
Distributor				
Packer Assembly				
Anchor Pipe Safety Joint				
XXXXXXXXXXXX Blankoff Sub	3 3/4"		1'	
Drill Collars				
Flush Joint Anchor	3 3/4"	1.75"	11'	
Blanked-Off B.T. Running Case	3 3/4"		4.10'	2344'
Total Depth				2348'

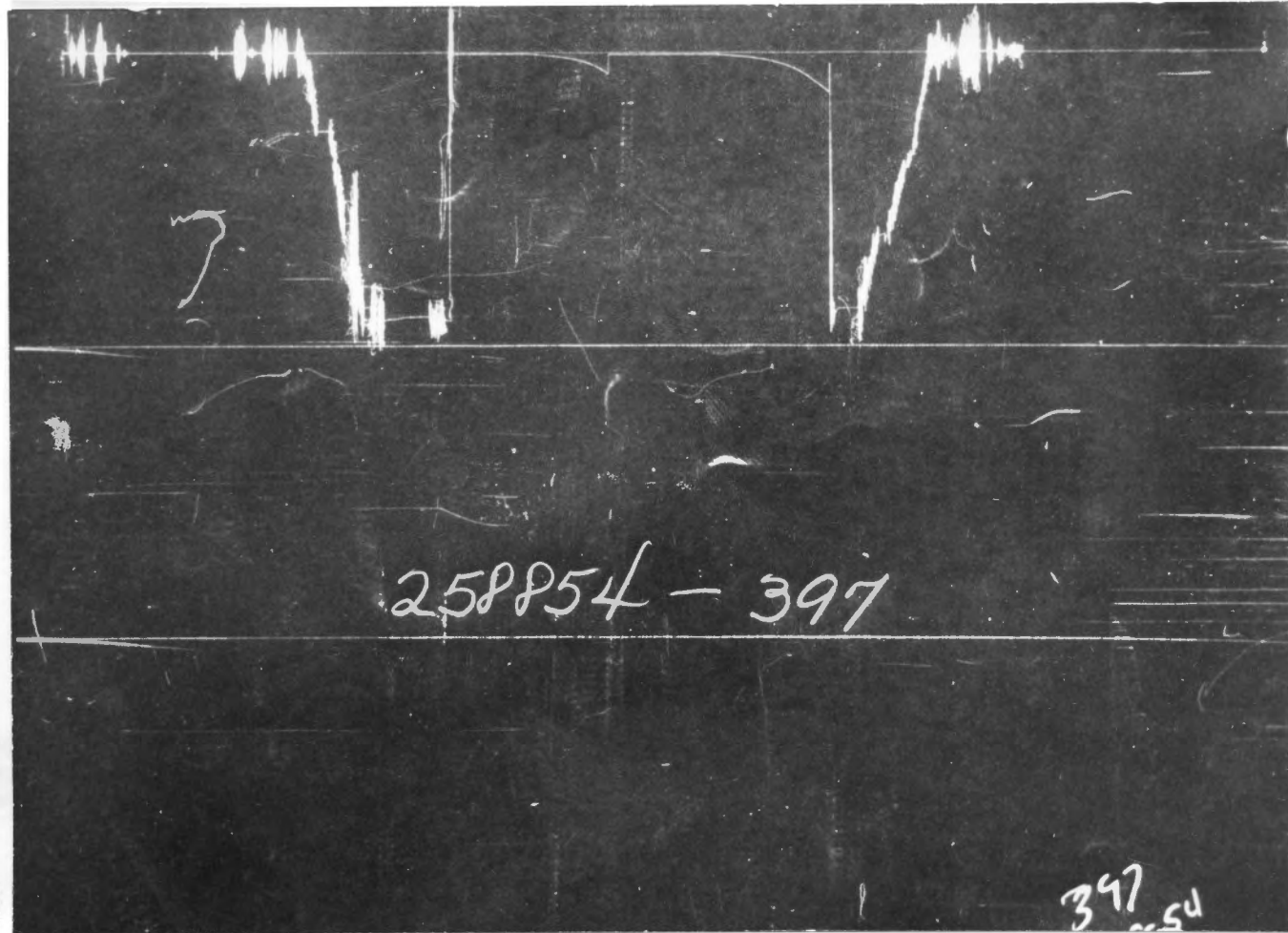


Each Horizontal Line Equal to 1000 p.s.i.

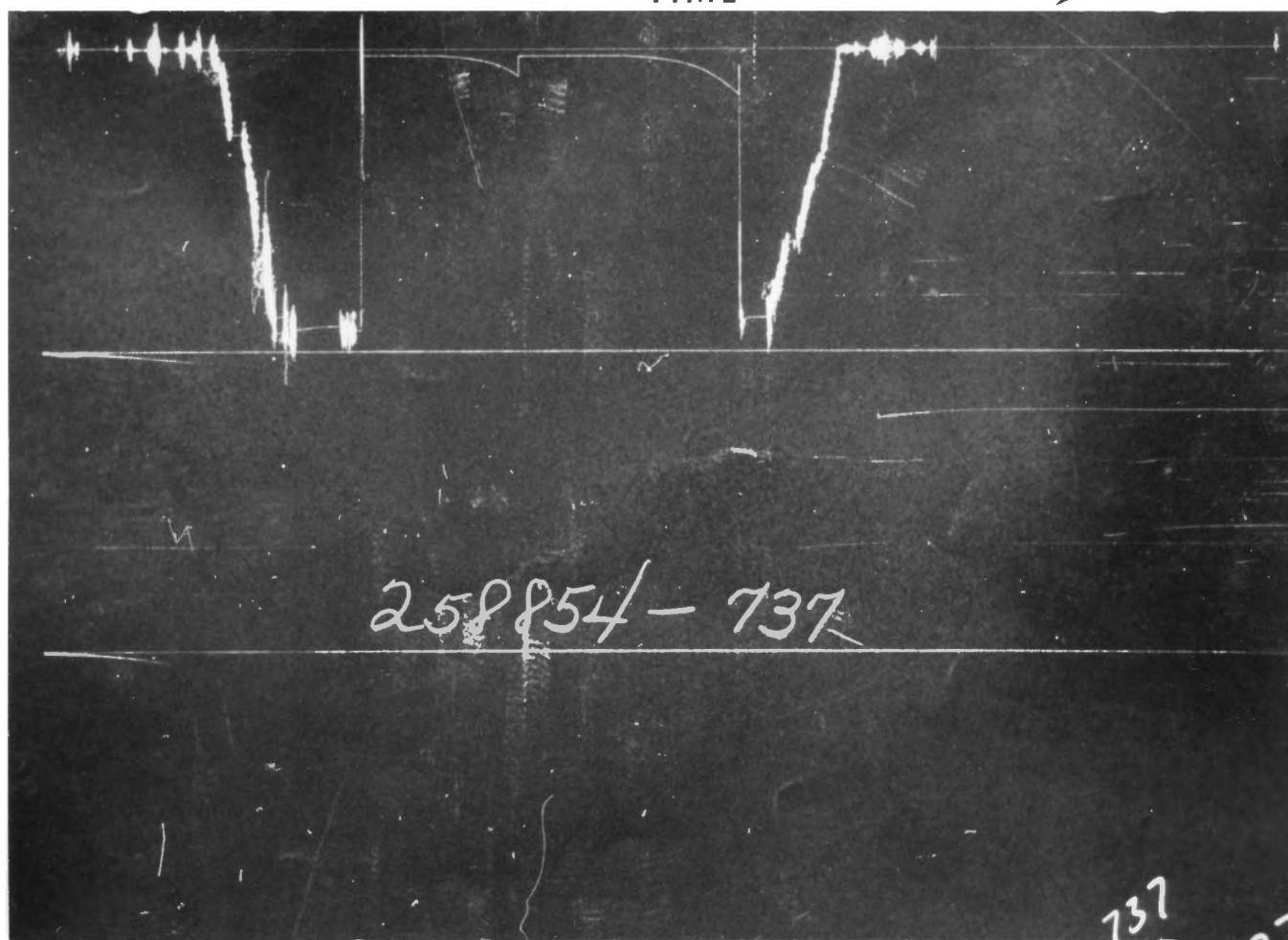
FLUID SAMPLE DATA				Date 7-18-77		Ticket Number 258854	
Sampler Pressure _____ P.S.I.G. at Surface				Kind of Job OPEN HOLE STRADDLE		Halliburton District EL DORADO	
Recovery: Cu. Ft. Gas _____				Tester MR. ORR		Witness MR. ?	
cc. Oil _____				Drilling Contractor BERENTZ DRILLING COMPANY BJ			
cc. Water _____				EQUIPMENT & HOLE DATA			
cc. Mud _____				Formation Tested Mississippi			
Tot. Liquid cc. _____				Elevation 1151' KB Ft.			
Gravity _____ ° API @ _____ °F.				Net Productive Interval 18' Ft.			
Gas/Oil Ratio _____ cu. ft./bbl.				All Depths Measured From Kelly Bushing			
RESISTIVITY _____ CHLORIDE CONTENT _____				Total Depth 2348' Ft.			
Recovery Water @ _____ °F. _____ ppm				Main Hole/Casing Size 7 7/8"			
Recovery Mud @ _____ °F. _____ ppm				Drill Collar Length 240' I.D. 2 13/16"			
Recovery Mud Filtrate @ _____ °F. _____ ppm				Drill Pipe Length 1885' I.D. 3.826"			
Mud Pit Sample @ _____ °F. _____ ppm				Packer Depth(s) 1912' 1930' Ft.			
Mud Pit Sample Filtrate @ _____ °F. _____ ppm				Depth Tester Valve 1894' Ft.			
Mud Weight 9.3 vis 32 sec							
Cushion		TYPE	AMOUNT	Depth Back Pres. Valve	Surface Choke	Bottom Choke	
				Ft.	.25"	.75"	
Recovered 5'		Feet of mud.					
Recovered		Feet of					
Recovered		Feet of					
Recovered		Feet of					
Recovered		Feet of					
Remarks OPENED TOOL FOR A 45 MINUTE FIRST FLOW PERIOD. CLOSED TOOL FOR A 45 MINUTE FIRST CLOSED IN PRESSURE PERIOD. REOPENED TOOL FOR A 60 MINUTE SECOND FLOW PERIOD. CLOSED TOOL FOR A 60 MINUTE FINAL CLOSED IN PRESSURE PERIOD.							
TEMPERATURE		Gauge No. 397	Gauge No. 737	Gauge No.	TIME		
Depth:		1899' Ft.	1922' Ft.	Depth:	Ft.		
Calc. 12 Hour Clock		12 Hour Clock		Hour Clock		Tool A.M.	
Est. 100 °F.		Blanked Off NO		Blanked Off YES		Opened 0230 P.M.	
Actual °F.		Pressures		Pressures		Bypass 0600 P.M.	
		Field	Office	Field	Office	Field	Office
Initial Hydrostatic		917	903	937	920	Reported Minutes	Computed Minutes
First Period	Flow Initial	2	5	22	21	45	
	Flow Final	2	6	22	22	45	
	Closed in	9	74	10	90		
Second Period	Flow Initial	2	7	22	22	60	
	Flow Final	2	7	22	22	60	
	Closed in	14	137	16	152		
Third Period	Flow Initial						
	Flow Final						
Final Hydrostatic		878	875	894	892		

	O. D.	I. D.	LENGTH	DEPTH
Drill Pipe or Tubing	5"	2.50"	1'	
Reversing Sub				
Water Cushion Valve	4.50"	3.826"	1885'	
Drill Pipe	6.25"	2 13/16"	240'	
Drill Collars	5"	2.50"	2.80'	
Handling Sub & Choke Assembly	5"	.75"	4.90'	1889'
Dual CIP Valve				
Dual CIP Sampler	5"	.75"	5'	1894'
Hydro-Spring Tester				
Multiple CIP Sampler				
Extension Joint				
AP Running Case	5"	3.06"	4.10'	1899'
Hydraulic Jar	5"	1.75"	4.80'	
VR Safety Joint	5"	1"	3.90'	
Pressure Equalizing Crossover				
Packer Assembly				
Distributor				
Packer Assembly NR	6.75"	1.68"	5.80'	1912'
Flush Joint Anchor	5"	2.37"	9'	
Pressure Equalizing Tube				
XXXXXXXX Blanked-Off B.T. Running Case	5"	3.06"	4.10'	1922'
HT 500			1.50'	
Drill Collars BLANKED OFF	5"		1.50'	
Anchor Pipe Safety Joint				
Packer Assembly				
Distributor				
Packer Assembly NR	6.75"	1.68"	5.80'	1930'
Anchor Pipe Safety Joint	5"	2.37"	8'	
Side Wall Anchor	6.75"			1940'
Drill Collars				
Flush Joint Anchor				
Blanked-Off B.T. Running Case				
Total Depth				2348'

PRESSURE



TIME



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