

Legal Location
Sec. - Twp. - Rng. 30 - 15 - 8HUSEMAN
Lease Name

Well No.

Test No.

935' - 1090'
Tested IntervalField
Acct

Meas. From Tester Valve

County
ELLSWORTH

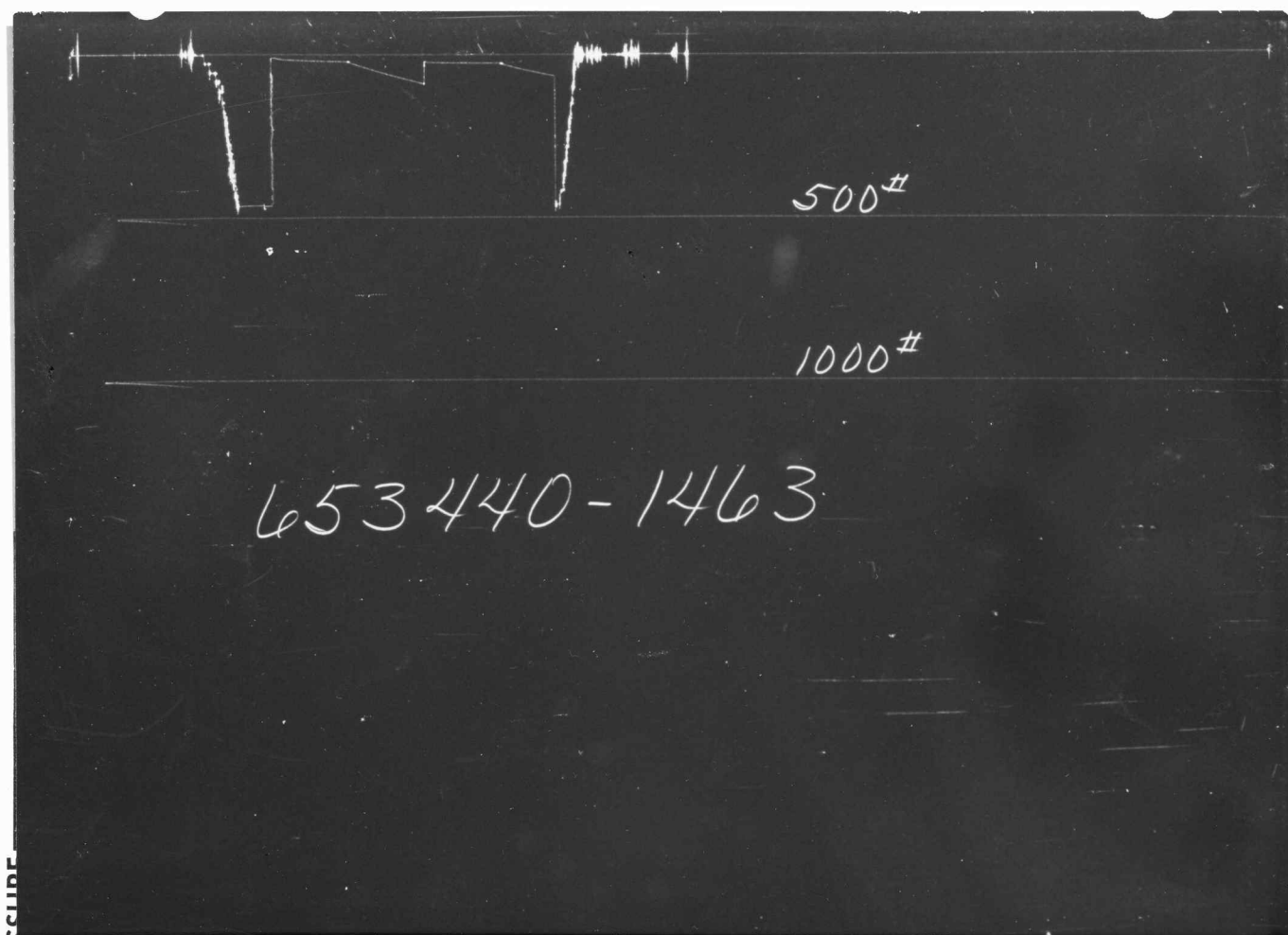
State

KANSAS

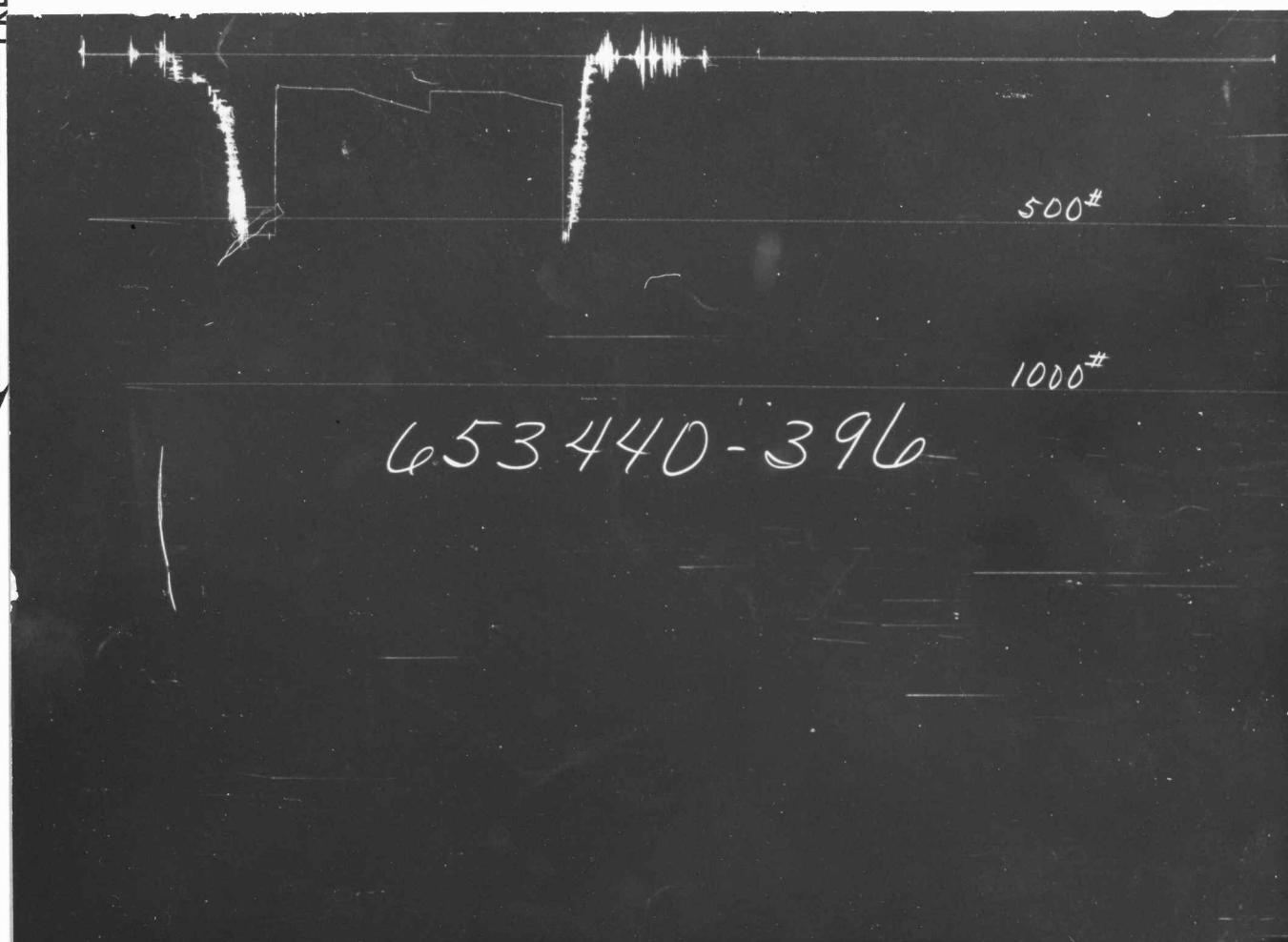
ILUS INDUSTRIES, INCORPORATED
Lease Owner/Company Name

FLUID SAMPLE DATA				Date 10-5-74		Ticket Number 653440	
Sampler Pressure _____ P.S.I.G. at Surface				Kind of Job OPEN HOLE		Halliburton District GREAT BEND	
Recovery: Cu. Ft. Gas _____				Tester MR. MONDERO		Witness MR. ELSTER	
cc. Oil _____				Drilling Contractor RED TIGER DRILLING COMPANY RIG #3			
cc. Water _____				EQUIPMENT & HOLE DATA BC			
cc. Mud _____				Formation Tested _____			
Tot. Liquid cc. _____				Elevation 1540' Ft.			
Gravity _____ ° API @ _____ ° F.				Net Productive Interval _____ Ft.			
Gas/Oil Ratio _____ cu. ft./bbl.				All Depths Measured From Kelly Bushing			
RESISTIVITY _____ CHLORIDE CONTENT _____				Total Depth 1090' Ft.			
Recovery Water @ _____ ° F. _____ ppm				Main Hole/Casing Size 7 7/8"			
Recovery Mud @ _____ ° F. _____ ppm				Drill Collar Length 226' I.D. 2.25"			
Recovery Mud Filtrate @ _____ ° F. _____ ppm				Drill Pipe Length 685' WP I.D. 2.764"			
Mud Pit Sample @ _____ ° F. _____ ppm				Packer Depth(s) 935' Ft.			
Mud Pit Sample Filtrate @ _____ ° F. _____ ppm				Depth Tester Valve 925' Ft.			
Mud Weight 9.8 vis 32 cp							
TYPE		AMOUNT		Depth Back Surface		Bottom	
Cushion				Ft. Pres. Valve		Choke 1/4" Choke 3/4"	
Recovered		50 Feet of		Slightly gas cut thin drilling mud			
Recovered		Feet of					
Recovered		Feet of					
Recovered		Feet of					
Recovered		Feet of					
Remarks		Tool opened for a 45 minute first flow with a weak blow, increasing to a fairly good blow. Closed tool for 45 minute first closed in pressure. Reopened tool for 45 minute second flow with a weak to fair blow. Closed tool for 30 minute second closed in pressure.					
TEMPERATURE		Gauge No. 1463		Gauge No. 396		Gauge No.	
Depth: 927' Ft.		Depth: 1086' Ft.		Depth: _____ Ft.		TIME	
Calc. 100 ° F.		12 Hour Clock		12 Hour Clock		Hour Clock	
Est. 100 ° F.		Blanked Off NO		Blanked Off YES		Blanked Off	
Actual ° F.		Pressures		Pressures		Pressures	
		Field Office		Field Office		Field Office	
Initial Hydrostatic		463 465		549 553		Reported Computed	
Flow Initial		8 10		94 95		Minutes Minutes	
Flow Final		24 22		102 107		45 45	
Closed in		94 91		173 177		45 30	
Flow Initial		16 22		102 111			
Flow Final		24 27		110 113			
Closed in		63 66		149 153			
Flow Initial							
Flow Final							
Closed in							
Final Hydrostatic		455 463		541 550			

	O. D.	I. D.	LENGTH	DEPTH
Drill Pipe or Tubing	5"	2.75"	12"	
Reversing Sub				
Water Cushion Valve				
Drill Pipe	4½" WP	2.764"	685'	
Drill Collars	6"	2.25"	226'	
Handling Sub & Choke Assembly				
Dual CIP Valve	5"	-	48.92"	
Dual CIP Sampler				
Hydro-Spring Tester	5"	-	60.21"	925'
Multiple CIP Sampler				
Extension Joint				
AP Running Case	5"	3.06"	49.65"	927'
Hydraulic Jar				
VR Safety Joint				
Pressure Equalizing Crossover				
Packer Assembly				
Distributor				
Packer Assembly				
Flush Joint Anchor				
Pressure Equalizing Tube				
Blanked-Off B.T. Running Case				
Drill Collars				
Anchor Pipe Safety Joint				
Packer Assembly				
Distributor				
Packer Assembly	6 3/4"	1.53"	48.89"	935'
Anchor Pipe Safety Joint				
Side Wall Anchor				
Drill Collars	4½" WP	2.764"	125'	
Flush Joint Anchor	5"	3"	33'	
Blanked-Off B.T. Running Case	5"	2.75"	-	1086'
Total Depth				1090'



PRESSURE



Each Horizontal Line Equals 1000 p.s.i.

HUSEMAN
1
2107' - 2156'
ILLUS INDUSTRIES, INCORPORATED

Legal Location
Sec. - Twp. - Rng.

Well No.

Test No.

Tested Interval

County
ELLSWORTH

State
KANSAS

Lease Owner/Company Name

FLUID SAMPLE DATA				Date 10-7-74		Ticket Number 877387	
Sampler Pressure _____ P.S.I.G. at Surface				Kind of Job OPEN HOLE		Halliburton District GREAT BEND	
Recovery: Cu. Ft. Gas _____				Tester MR. WILLINGER		Witness MR. ELSTER	
cc. Oil _____				Drilling Contractor RED TIGER DRILLING COMPANY BC S			
cc. Water _____				EQUIPMENT & HOLE DATA			
cc. Mud _____				Formation Tested Severy Sand			
Tot. Liquid cc. _____				Elevation 1540' KB Ft.			
Gravity _____ ° API @ _____ ° F.				Net Productive Interval 49' Tested Ft.			
Gas/Oil Ratio _____ cu. ft./bbl.				All Depths Measured From Kelly Bushing			
RESISTIVITY _____ CHLORIDE CONTENT _____				Total Depth 2156' Ft.			
Recovery Water _____ @ _____ ° F. _____ ppm				Main Hole/Casing Size 7 7/8"			
Recovery Mud _____ @ _____ ° F. _____ ppm				Drill Collar Length 905' I.D. 2.764" WP			
Recovery Mud Filtrate _____ @ _____ ° F. _____ ppm				Drill Pipe Length 1226' I.D. 3.826"			
Mud Pit Sample _____ @ _____ ° F. _____ ppm				Packer Depth(s) 2102' - 2107' Ft.			
Mud Pit Sample Filtrate _____ @ _____ ° F. _____ ppm				Depth Tester Valve 2094' Ft.			
Mud Weight _____ vis _____ cp							
TYPE		AMOUNT		Depth Back Surface		Bottom	
Cushion				Ft. Pres. Valve		Choke	
				1"		3/4"	
Recovered		290 Feet of		Gas in pipe			
Recovered		100 Feet of		Thin drilling mud			
Recovered		Feet of					
Recovered		Feet of					
Recovered		Feet of					
Remarks		Tool opened for a 45 minute flow with a good blow. Closed tool for 45 minute closed in pressure. No gas to surface.					
TEMPERATURE		Gauge No. 1463		Gauge No. 396		Gauge No.	
Depth:		2095' Ft.		2152' Ft.		Ft.	
Est. 91 ° F.		12 Hour Clock		12 Hour Clock		Hour Clock	
Blanked Off NO		Blanked Off YES		Blanked Off		Tool	
Actual ° F.		Pressures		Pressures		Pressures	
		Field Office		Field Office		Field Office	
Initial Hydrostatic		1088		1129 1119		Tool	
Flow Initial		42		62 78		Opened 1:35 P.M.	
Flow Final		57		78 87		Opened A.M.	
Closed in		832		854 858		Bypass 3:05 P.M.	
Second Period						Reported	
Flow Initial						Minutes	
Flow Final						Computed	
Closed in						Minutes	
Third Period							
Flow Initial							
Flow Final							
Closed in							
Final Hydrostatic		1078		1113 1109			

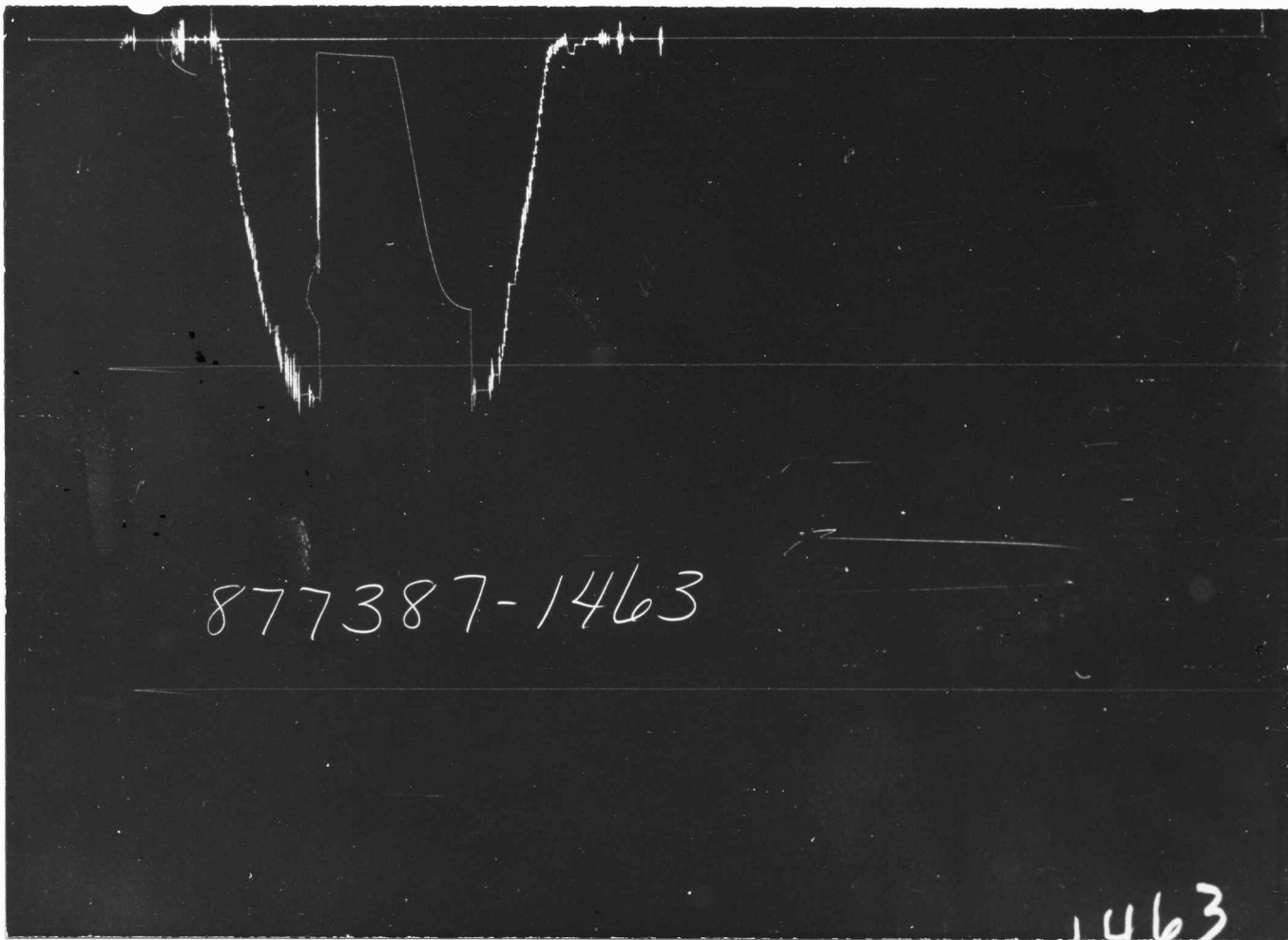
Gauge No. 1463				Depth 2095'				Clock No. 6947				12 hour				Ticket No. 877387													
First Flow Period				First Closed In Pressure				Second Flow Period				Second Closed In Pressure				Third Flow Period				Third Closed In Pressure									
Time Defl. ".000"	PSIG Temp. Corr.	Time Defl. ".000"	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.	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.	Time Defl. ".000"	PSIG Temp. Corr.	Time Defl. ".000"	PSIG Temp. Corr.		
0 .0000	42	.0000		.0000		.0000	57																						
1 .0608	46	.0332		.0332		.0332	173*																						
2 .1216	49	.0598		.0598		.0598	295																						
3 .1824	51	.0864		.0864		.0864	421																						
4 .2432	53	.1130		.1130		.1130	543																						
5 .3040	57	.1396		.1396		.1396	646																						
6		.1662		.1662		.1662	724																						
7		.1928		.1928		.1928	773																						
8		.2194		.2194		.2194	803																						
9		.2460		.2460		.2460	819																						
10		.2726		.2726		.2726	828																						
11		.2990		.2990		.2990	832																						
12																													
13																													
14																													
15																													

Gauge No. 396				Depth 2152'				Clock No. 3722				12 hour			
First Flow Period				First Closed In Pressure				Second Flow Period				Second 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.	Time Defl. ".000"	PSIG Temp. Corr.	Time Defl. ".000"	PSIG Temp. Corr.
0 .0000	78	.0000		.0000		.0000	87								
1 .0610	78	.0333		.0333		.0333	203*								
2 .1220	81	.0600		.0600		.0600	246								
3 .1830	83	.0867		.0867		.0867	444								
4 .2440	85	.1134		.1134		.1134	565								
5 .3050	87	.1401		.1401		.1401	664								
6		.1668		.1668		.1668	742								
7		.1935		.1935		.1935	795								
8		.2202		.2202		.2202	826								
9		.2469		.2469		.2469	844								
10		.2736		.2736		.2736	853								
11		.3000		.3000		.3000	858								
12															
13															
14															
15															

Reading Interval	9	4
REMARKS:	*Interval = 5 minutes	

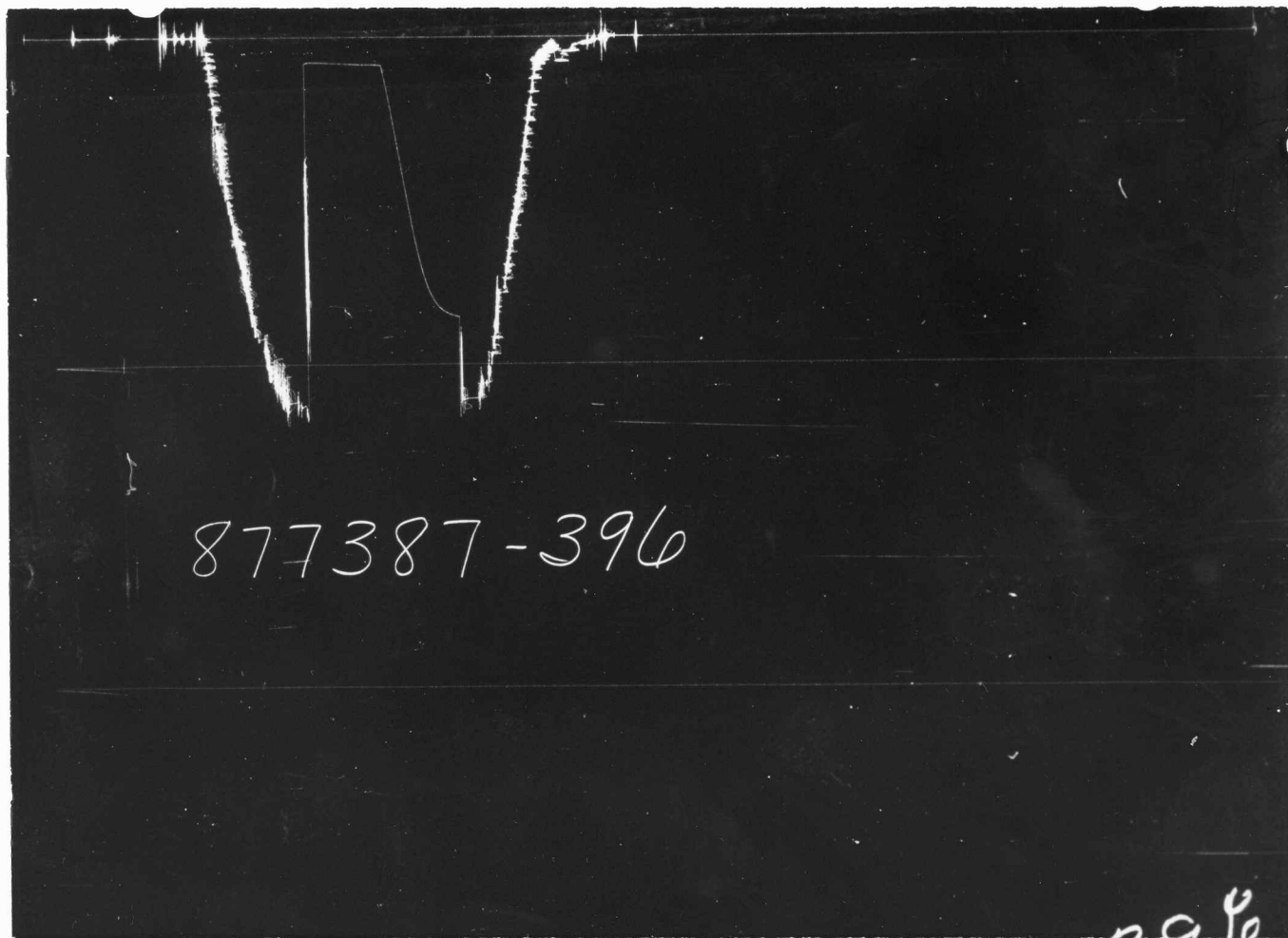
	O. D.	I. D.	LENGTH	DEPTH
Drill Pipe or Tubing	5.75"	2.75"	12"	
Reversing Sub				
Water Cushion Valve				
Drill Pipe	4½"	3.826"	1226'	
Drill Collars	4½" WP	2.764"	905'	
Handling Sub & Choke Assembly				
Dual CIP Valve	5"	.87"	48.92"	
Dual CIP Sampler				
Hydro-Spring Tester	5"	.75"	60.21"	2094'
Multiple CIP Sampler				
Extension Joint				
AP Running Case	5"	3.06"	49.63"	2095'
Hydraulic Jar				
VR Safety Joint				
Pressure Equalizing Crossover				
Packer Assembly	6 3/4"	1.53"	48.89"	2102'
Distributor				
Packer Assembly	6 3/4"	1.53"	48.89"	2107'
Flush Joint Anchor	5"	2.37"	49'	
Pressure Equalizing Tube				
Blanked-Off B.T. Running Case	5"	3.06"	49.63"	2152'
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				
Total Depth				2156'

PRESSURE



TIME

1463



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

Casing perms. _____ Bottom choke _____ Surf. temp. _____ °F Ticket No. 877388
Gas gravity _____ Oil gravity _____ GOR _____
Spec. gravity _____ Chlorides _____ ppm Res. _____ @ _____ °F

INDICATE TYPE AND SIZE OF GAS MEASURING DEVICE USED.

[illegible]

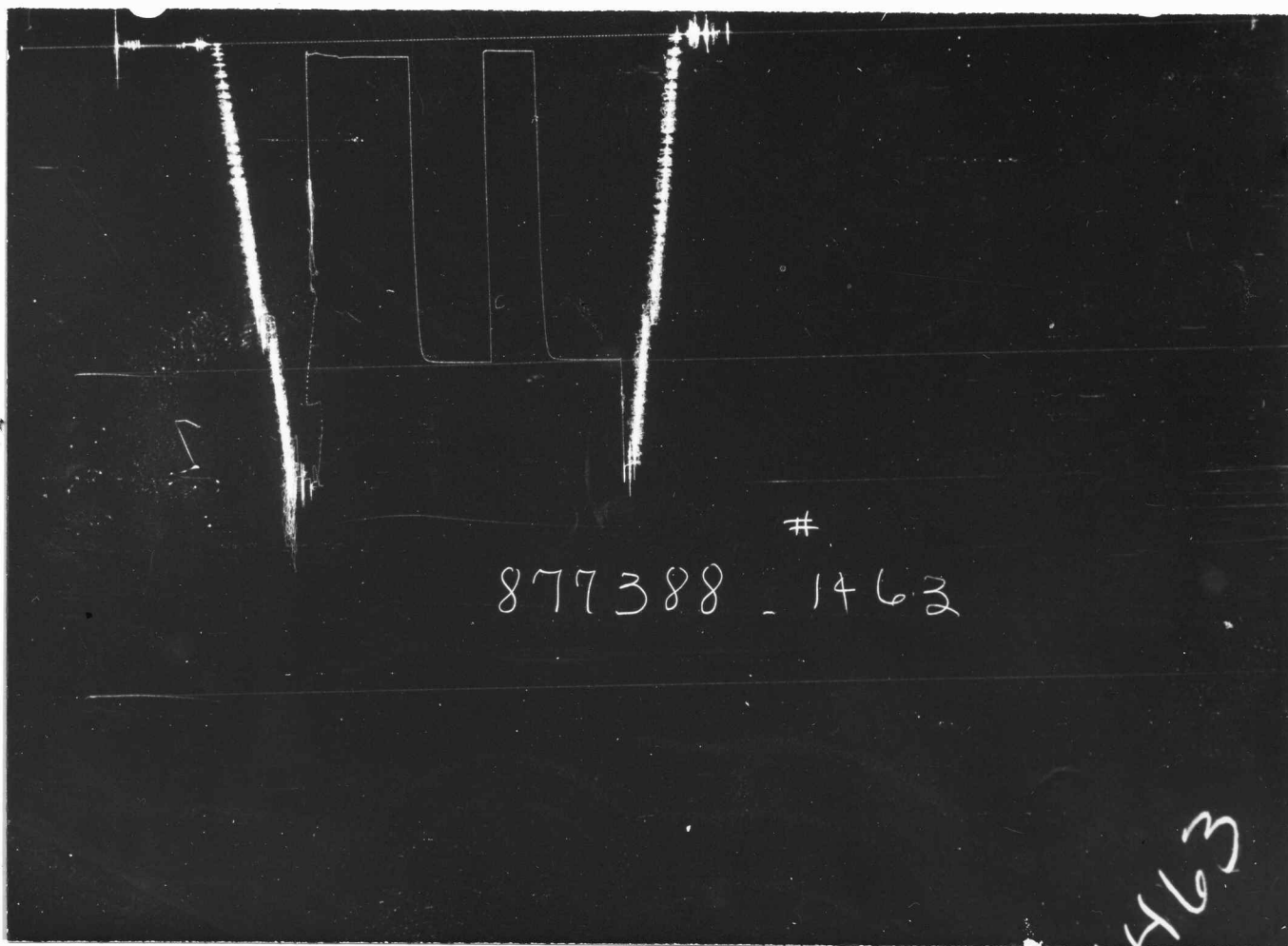
Gauge No.		1463		Depth		2530'		Clock No.		6847		12 hour		Ticket No.		877388	
First Flow Period		First Closed In Pressure		Second Flow Period		Second Closed In Pressure		Third Flow Period		Third Closed In Pressure		Third Flow Period		Third Closed In Pressure		Third Flow Period	
Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	$\log \frac{t + \theta}{\theta}$	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	$\log \frac{t + \theta}{\theta}$	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	$\log \frac{t + \theta}{\theta}$	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	$\log \frac{t + \theta}{\theta}$	Time Defl. .000"	PSIG Temp. Corr.
0	.000 33	.000		.000	53	.000	47	.000		.000		.000	44				
1	.067 41	.0068		.0277	725	.0277	38**	.0068		.0068		.0068	531				
2	.134 51	.0136		.0624	896	.0624	40	.0136		.0136		.0136	843				
3	.201 49	.0204		.0971	942	.0971	41	.0204		.0204		.0204	930				
4	.268 51	.0272		.1318	968	.1318	42	.0272		.0272		.0272	964				
5	.335 52	.0340		.1665	977	.1665	42	.0340		.0340		.0340	977				
6	.402 53	.0408		.2010	981	.2010	44	.0408		.0408		.0408	981				
7		.0476			984			.0476					985				
8		.0544			986			.0544					986				
9		.0612			987			.0612					987				
10		.0680			987			.0680					988				
11		.1149			990			.1156					990				
12		.1618			991			.1632					991				
13		.2087			992			.2108					992				
14		.2556			992			.2584					992				
15		.2950			993			.3130					993				

Gauge No.		396		Depth		2566'		Clock No.		3722		hour		12	
First Flow Period		First Closed In Pressure		Second Flow Period		Second Closed In Pressure		Third Flow Period		Third Closed In Pressure		Third Flow Period		Third Closed In Pressure	
Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	$\log \frac{t + \theta}{\theta}$	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	$\log \frac{t + \theta}{\theta}$	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	$\log \frac{t + \theta}{\theta}$	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	$\log \frac{t + \theta}{\theta}$
0	.000 64	.000		.000	66	.000	60	.000		.000		.000	55		
1	.0672 53	.0068		.0270	557	.0270	50**	.0068		.0068		.0068	526		
2	.1344 64	.0136		.0608	792	.0608	53	.0136		.0136		.0136	758		
3	.2016 64	.0204		.0946	928	.0946	53	.0204		.0204		.0204	902		
4	.2688 64	.0272		.1284	968	.1284	54	.0272		.0272		.0272	962		
5	.3360 65	.0340		.1622	985	.1622	55	.0340		.0340		.0340	984		
6	.4030 66	.0408		.1960	991	.1960	55	.0408		.0408		.0408	991		
7		.0476			994			.0476					994		
8		.0544			996			.0544					996		
9		.0612			998			.0612					998		
10		.0680			998			.0680					998		
11		.1154			1001			.1153					1001		
12		.1628			1002			.1626					1002		
13		.2102			1003			.2099					1003		
14		.2576			1003			.2572					1003		
15		.2980			1003			.3110					1003		

Reading Interval	10	*	5	***
REMARKS:	* FIRST 10 READINGS = 1 MINUTE EACH - NEXT 4 READINGS = 7 MINUTES EACH AND THE LAST READING = 6 MINUTES.			
** INTERVAL = 4 MINUTES.	*** FIRST 10 READINGS = 1 MINUTE EACH - NEXT 4 READINGS = 7 MINUTES EACH AND THE LAST READING = 8 MINUTES.			

	O. D.	I. D.	LENGTH	DEPTH
Drill Pipe or Tubing	5.75"	2.75"	12"	
Reversing Sub				
Water Cushion Valve				
Drill Pipe	4.5"	3.826"	1632	
Drill Collars WEIGHT PIPE.....	4.5"	2.764"	905'	
Handling Sub & Choke Assembly				
Dual CIP Valve	5"	.87"	48.92"	
Dual CIP Sampler				
Hydro-Spring Tester	5"	.75"	60.21"	2529'
Multiple CIP Sampler				
Extension Joint				
AP Running Case	5"	3.06"	49.63"	2530'
Hydraulic Jar				
VR Safety Joint				
Pressure Equalizing Crossover				
Packer Assembly	6 3/4"	1.53"	48.89"	2537'
Distributor				
Packer Assembly	6 3/4"	1.53"	48.89"	2542'
Flush Joint Anchor	5"	2.37"	28'	
Pressure Equalizing Tube				
Blanked-Off B.T. Running Case	5"	3.06"	49.63"	2566'
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				
Total Depth				

↑ PRESSURE ↓



← TIME →

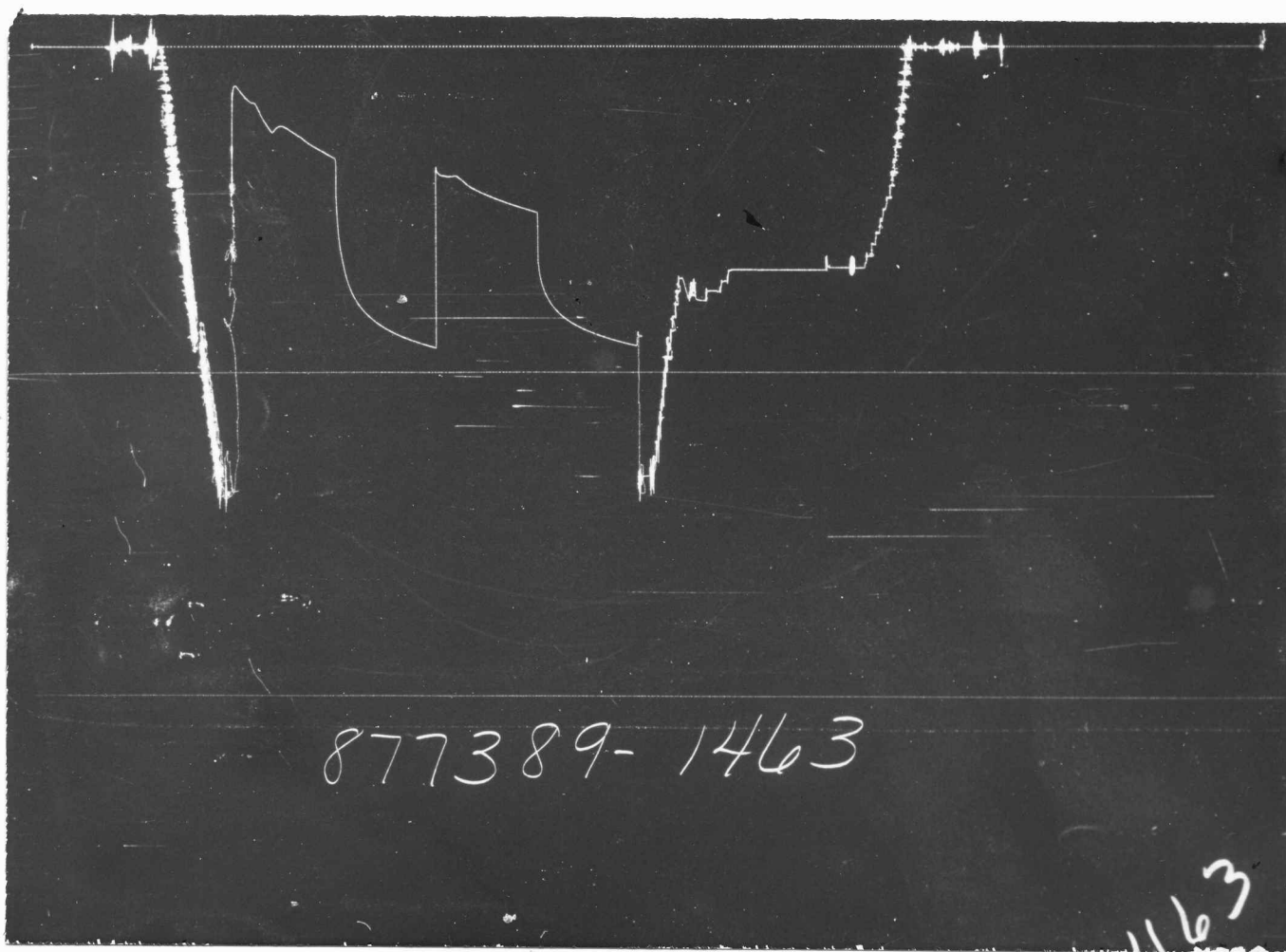


Each Horizontal Line Equal to 1000 p.s.i.

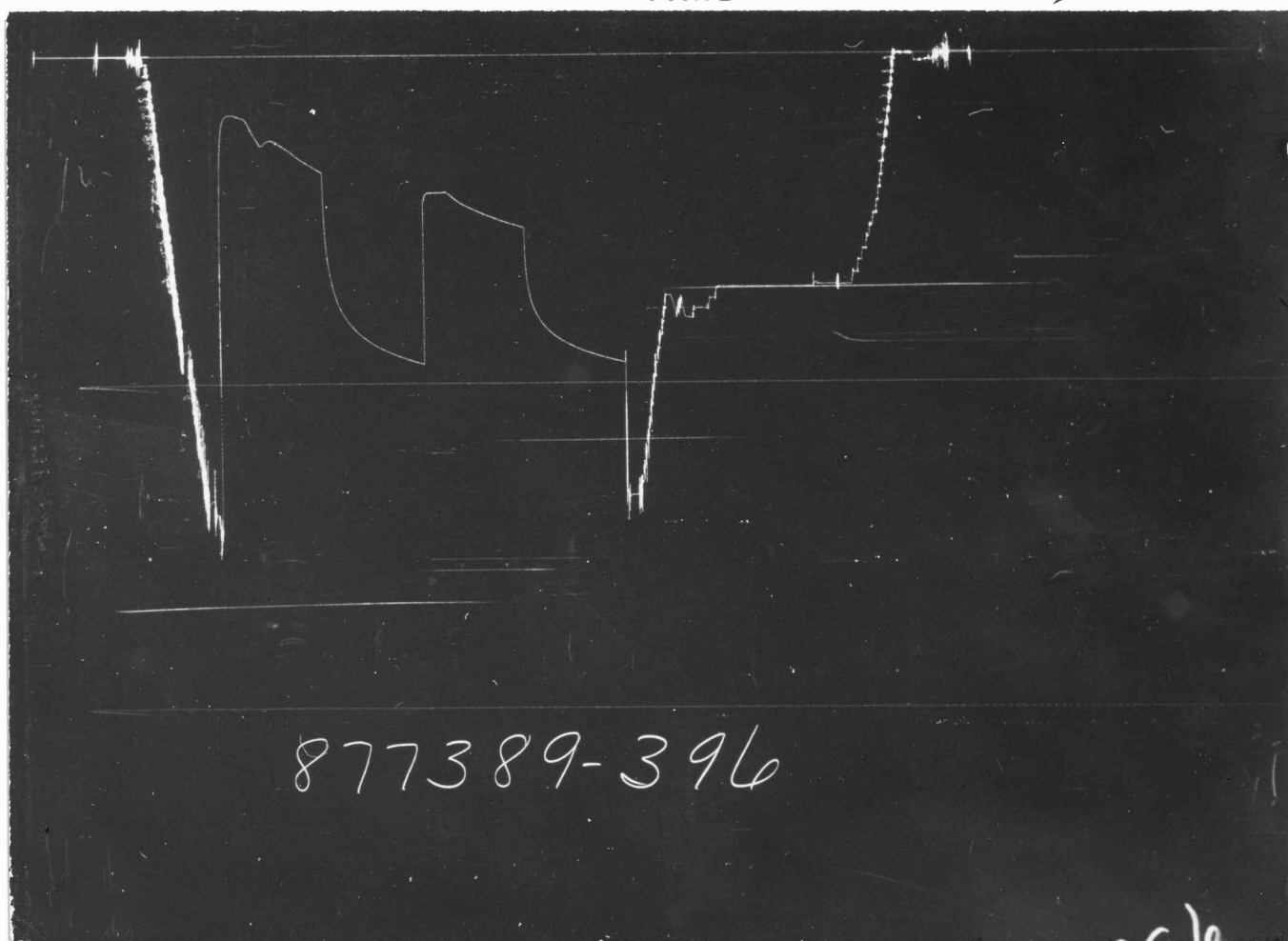
FLUID SAMPLE DATA				Date 10-9-74		Ticket Number 877389	
Sampler Pressure _____ P.S.I.G. at Surface				Kind of Job OPEN HOLE		Halliburton District GREAT BEND	
Recovery: Cu. Ft. Gas _____				Tester MR. WILLINGER		Witness MR. ELSTER	
cc. Oil _____				Drilling Contractor RED TIGER DRILLING COMPANY BC S			
cc. Water _____				EQUIPMENT & HOLE DATA			
cc. Mud _____				Formation Tested Kansas City			
Tot. Liquid cc. _____				Elevation 1540' KB Ft.			
Gravity _____ ° API @ _____ °F.				Net Productive Interval 38' Tested Ft.			
Gas/Oil Ratio _____ cu. ft./bbl.				All Depths Measured From Kelly Bushing			
RESISTIVITY _____ CHLORIDE CONTENT _____				Total Depth 2621' Ft.			
Recovery Water @ _____ °F. _____ ppm				Main Hole/Casing Size 7 7/8"			
Recovery Mud @ _____ °F. _____ ppm				Drill Collar Length 905' WP I.D. 2.764"			
Recovery Mud Filtrate @ _____ °F. _____ ppm				Drill Pipe Length 1664' I.D. 3.826"			
Mud Pit Sample @ _____ °F. _____ ppm				Packer Depth(s) 2578' - 2583' Ft.			
Mud Pit Sample Filtrate @ _____ °F. _____ ppm				Depth Tester Valve 2570' Ft.			
Mud Weight _____ vis _____ cp							
TYPE		AMOUNT		Depth Back Pres. Valve		Surface Choke	
Cushion				Ft.		Bottom Choke 3/4"	
Recovered	120	Feet of	Drilling mud				
Recovered	1025	Feet of	Free oil				
Recovered	120	Feet of	Muddy oil				
Recovered	300	Feet of	Water				
Recovered		Feet of					
Remarks Decreasing gas flow from 141 MCF to 25 MCF per day in 60 minutes....							
See production test data sheet...							
TEMPERATURE		Gauge No. 1463		Gauge No. 396		Gauge No.	
Depth: 2571' Ft.		Depth: 2617' Ft.		Depth: _____ Ft.		TIME	
Est. 96 °F.		12 Hour Clock		12 Hour Clock		Tool _____	
Blanked Off NO		Blanked Off YES		Blanked Off		Opened 10:15 P.M.	
Actual °F.		Pressures		Pressures		Opened A.M.	
		Pressures		Pressures		Bypass 2:15 P.M.	
		Field	Office	Field	Office	Field	Office
Initial Hydrostatic			1335	1412	1360		
First Period	Flow Initial		121	157	181		
	Flow Final		345	353	359		
	Closed in		928	940	943		
Second Period	Flow Initial		370	408	448		
	Flow Final		510	525	530		
	Closed in		920	940	941		
Third Period	Flow Initial						
	Flow Final						
	Closed in						
Final Hydrostatic			1322	1349	1346		

[illegible]

	O. D.	I. D.	LENGTH	DEPTH
Drill Pipe or Tubing	5.75"	2.75"	12"	
Reversing Sub				
Water Cushion Valve				
Drill Pipe	4½"	3.826"	1664'	
Drill Collars	4½"	2.764"	905' WP	
Handling Sub & Choke Assembly				
Dual CIP Valve	5"	.87"	48.92"	
Dual CIP Sampler				
Hydro-Spring Tester	5"	.75"	60.21"	2570'
Multiple CIP Sampler				
Extension Joint				
AP Running Case	5"	3.06"	49.63"	2571'
Hydraulic Jar				
VR Safety Joint				
Pressure Equalizing Crossover				
Packer Assembly	6 3/4"	1.53"	48.89"	2578'
Distributor				
Packer Assembly	6 3/4"	1.53"	48.89"	2583'
Flush Joint Anchor	5"	2.37"	-	
Pressure Equalizing Tube				
Blanked-Off B.T. Running Case	5"	3.06"	49.63"	2617'
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				
Total Depth				2621'



TIME



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

Legal Location
Sec. - Twp. - Rng.

30 - 15 - 8

Field Area
Meas. From Tester Valve

County

ELLISWORTH

State

KANSAS

FLUID SAMPLE 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 @ _____ °F. _____ ppm

Mud Weight vis cp

Date 10-9-74

Ticket
Number 877390Kind
of Job OPEN HOLE TESTHalliburton
District GREAT BEND

Tester MR. WILLINGER

Witness MR. ELSTER

Drilling

Contractor RED TIGER DRILLING COMPANY PW S

EQUIPMENT & HOLE DATA

Formation Tested Kansas City

Elevation 1540' K.B. Ft.

Net Productive Interval 29' Tested Ft.

All Depths Measured From Kelly Bushing

Total Depth 2652' Ft.

Main Hole/Casing Size 7 7/8"

Drill Collar Length WP 905' I.D. 2.764"

Drill Pipe Length 1725' I.D. 3.826"

Packer Depth(s) 2618' - 2623' Ft.

Depth Tester Valve 2610' Ft.

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

Recovered 300 Feet of Gas in pipe.

Recovered 60 Feet of Gas cut mud

Recovered 120 Feet of Watery mud.

Recovered 800 Feet of Water

Recovered Feet of

Remarks Opened tool for a 60 minute first flow period with a good blow. Closed

tool for a 62 minute initial closed in pressure. Reopened tool for a 63 minute

second flow period with a good to fair blow. Closed tool for a 55 minute final

closed in pressure period with no gas to surface. Off bottom. Charts indicate

partial plugging of anchor perforations during early part of first flow period.

TEMPERATURE Gauge No. 1463

Depth: 2611 Ft.

Gauge No. 396

Depth: 2648 Ft.

Gauge No.

Depth: Ft.

TIME

Est. 96 °F. 112 Hour Clock

Blanked Off No

Blanked Off Yes

Blanked Off Hour Clock

Blanked Off

Tool A.M.

Opened 1:05 P.M.

Opened A.M.

Bypass 5:05 P.M.

Actual °F.

Pressures

Pressures

Pressures

Field

Office

Field

Office

Field

Office

Reported

Computed

Minutes

Minutes

Initial Hydrostatic

1352

1349

1365

First Period Flow Initial

72

141

361

Final

377

392

396

Closed in

1039

1050

1057

Second Period Flow Initial

382

392

414

Final

552

562

573

Closed in

1029

1050

1050

Third Period Flow Initial

Final

Closed in

Final Hydrostatic

1333

1333

1367

Gauge No. 1463		Depth 2611'		Clock No. 6947		12 hour		Ticket No. 877390	
First Flow Period		First Closed In Pressure		Second Flow Period		Second Closed In Pressure		Third Flow Period	
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.
0	.000 72	.000		.000	382	.000			
1	.0675 133	.0399		.0875	441	.0202			
2	.1350 194	.0665		.1548	467	.0472			
3	.2025 246	.0930		.2221	493	.0742			
4	.2700 294	.1196		.2894	515	.1012			
5	.3375 338	.1462		.3567	534	.1282			
6	.405 377	.1728		.424	552	.1551			
7		.1994			1009	.1821			
8		.2259			1015	.2091			
9		.2525			1021	.2361			
10		.2791			1024	.2631			
11		.3057			1028	.2901			
12		.3323			1032	.3170			
13		.3588			1034	.3440			
14		.3854			1036	.3710			
15		.4120			1039				

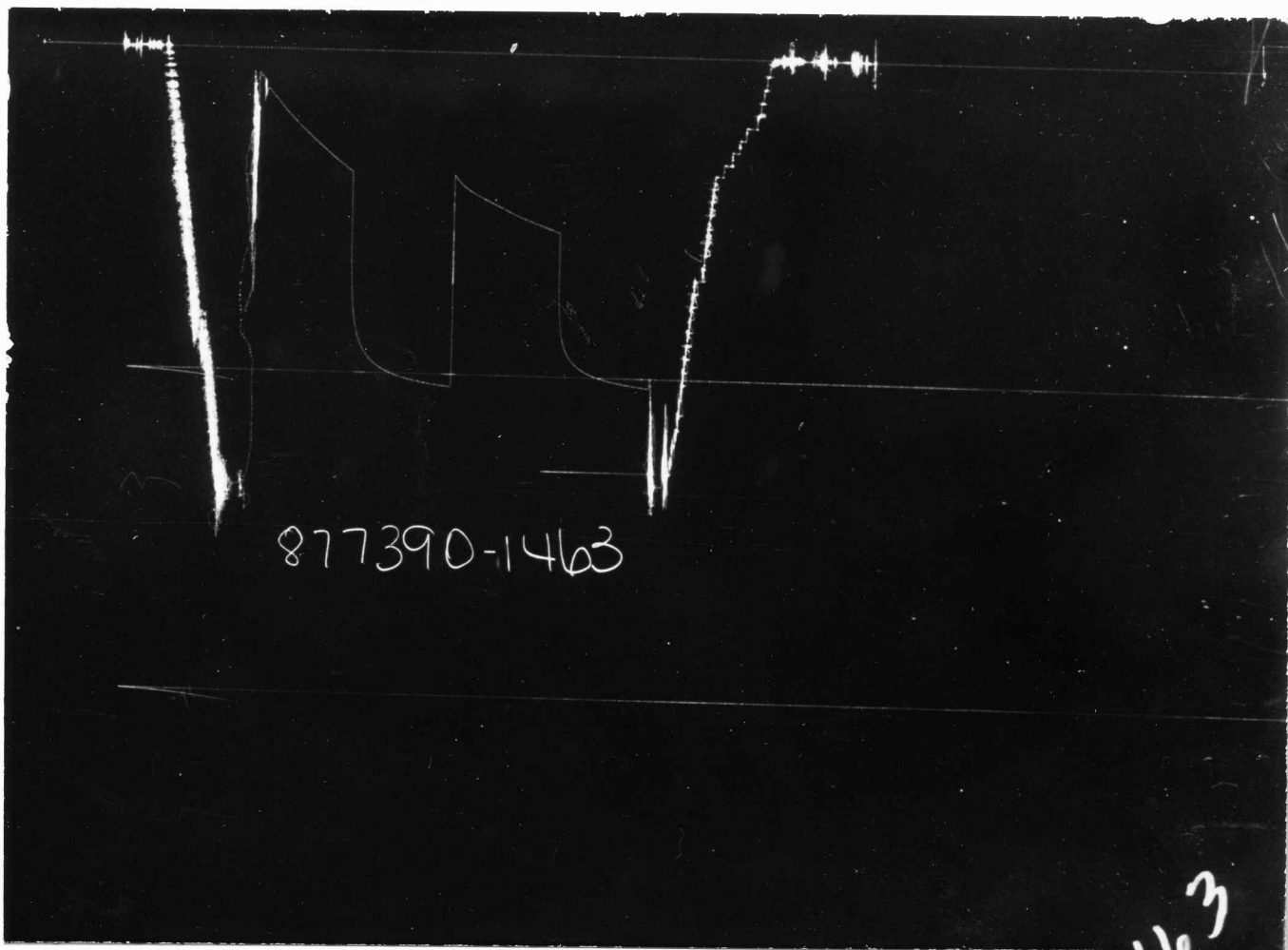
Gauge No. 396		Depth 2648'		Clock No. 3722		12 hour	
Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	$\text{Log } \frac{t + \theta}{\theta}$	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	$\text{Log } \frac{t + \theta}{\theta}$
0	.000 361	.000		.000	414	.000	
1	.0670 154	.0399		.0869	460	.0202	
2	.1340 213	.0665		.1537	487	.0471	
3	.2010 265	.0930		.2205	513	.0740	
4	.2680 312	.1196		.2873	534	.1009	
5	.3350 357	.1462		.3542	553	.1278	
6	.4020 396	.1728		.4210	573	.1547	
7		.1994			1028	.1816	
8		.2259			1034	.2085	
9		.2525			1039	.2355	
10		.2791			1043	.2624	
11		.3057			1047	.2893	
12		.3323			1050	.3162	
13		.3588			1054	.3431	
14		.3854			1056	.3700	
15		.4120			1057		

Reading Interval 10		4		10		4		Minutes	

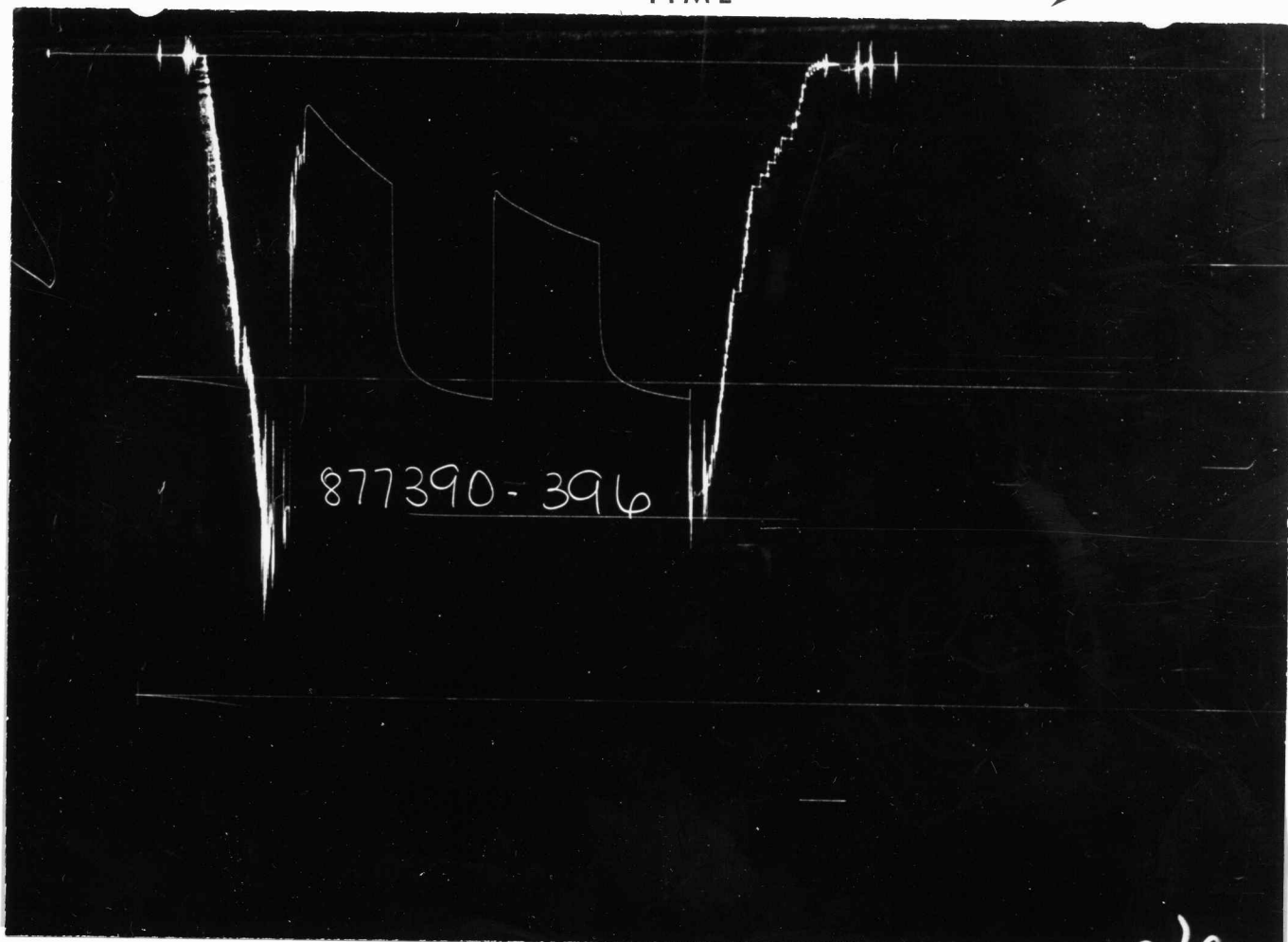
REMARKS: * = 6 minutes ** = 13 minutes *** = 3 minutes

	O. D.	I. D.	LENGTH	DEPTH
Drill Pipe or Tubing	5.75"	2.75"	12"	
Reversing Sub				
Water Cushion Valve				
Drill Pipe	4.5"	3.826"	1725'	
Drill Collars .. WP.	4.5"	2.764"	905'	
Handling Sub & Choke Assembly				
Dual CIP Valve	5"	.87"	48.92"	
Dual CIP Sampler				
Hydro-Spring Tester	5"	.75"	60.21"	2610'
Multiple CIP Sampler				
Extension Joint				
AP Running Case	5"	3.06"	49.63"	2611'
Hydraulic Jar				
VR Safety Joint				
Pressure Equalizing Crossover				
Packer Assembly	6 3/4"	1.53"	48.89"	2618'
Distributor				
Packer Assembly	6 3/4"	1.53"	48.89"	2623'
Flush Joint Anchor	5"	2.37"	29'	
Pressure Equalizing Tube				
Blanked-Off B.T. Running Case	5"	3.06"	49.63"	2648'
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				
Total Depth				2652'

PRESSURE



TIME



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