

FLUID SAMPLE DATA		Date	9-12-76	Ticket Number	074623
Sampler Pressure _____ P.S.I.G. at Surface	Kind of Job	OPEN HOLE	Halliburton District	HAYS	
Recovery: Cu. Ft. Gas _____ cc. Oil _____ cc. Water _____ cc. Mud _____ Tot. Liquid cc. _____	Tester	MR. WEATHERBEE	Witness	MR. RUWWE	
Gravity _____ ° API @ _____ °F.	Drilling Contractor	SLAWSON DRILLING COMPANY, INCORPORATED			
Gas/Oil Ratio _____ cu. ft./bbl.	EQUIPMENT & HOLE DATA BC				
RESISTIVITY _____ CHLORIDE CONTENT _____	Formation Tested	Lower Kansas City			
Recovery Water _____ @ _____ °F. _____ ppm	Elevation	3163' KB	Ft.		
Recovery Mud _____ @ _____ °F. _____ ppm	Net Productive Interval	2' Net	Ft.		
Recovery Mud Filtrate _____ @ _____ °F. _____ ppm	All Depths Measured From	Kelly Bushing			
Mud Pit Sample _____ @ _____ °F. _____ ppm	Total Depth	4302'	Ft.		
Mud Pit Sample Filtrate _____ @ _____ °F. _____ ppm	Main Hole/Casing Size	7 7/8"			
Mud Weight 9.4 vis 53 Sec. CP	Drill Collar Length	127.07'	I.D.	2.764" WP	
	Drill Pipe Length	4111'	I.D.	3.826"	
	Packer Depth(s)	4266'	Ft.		
	Depth Tester Valve	4255'	Ft.		

Cushion	TYPE	AMOUNT	Depth Back Pres. Valve	Surface Choke	Bottom Choke
				1/4"	3/4"
Recovered		10 Feet of Mud			
Recovered		Feet of			
Recovered		Feet of			
Recovered		Feet of			
Recovered		Feet of			

Remarks SEE PRODUCTION TEST DATA SHEET.

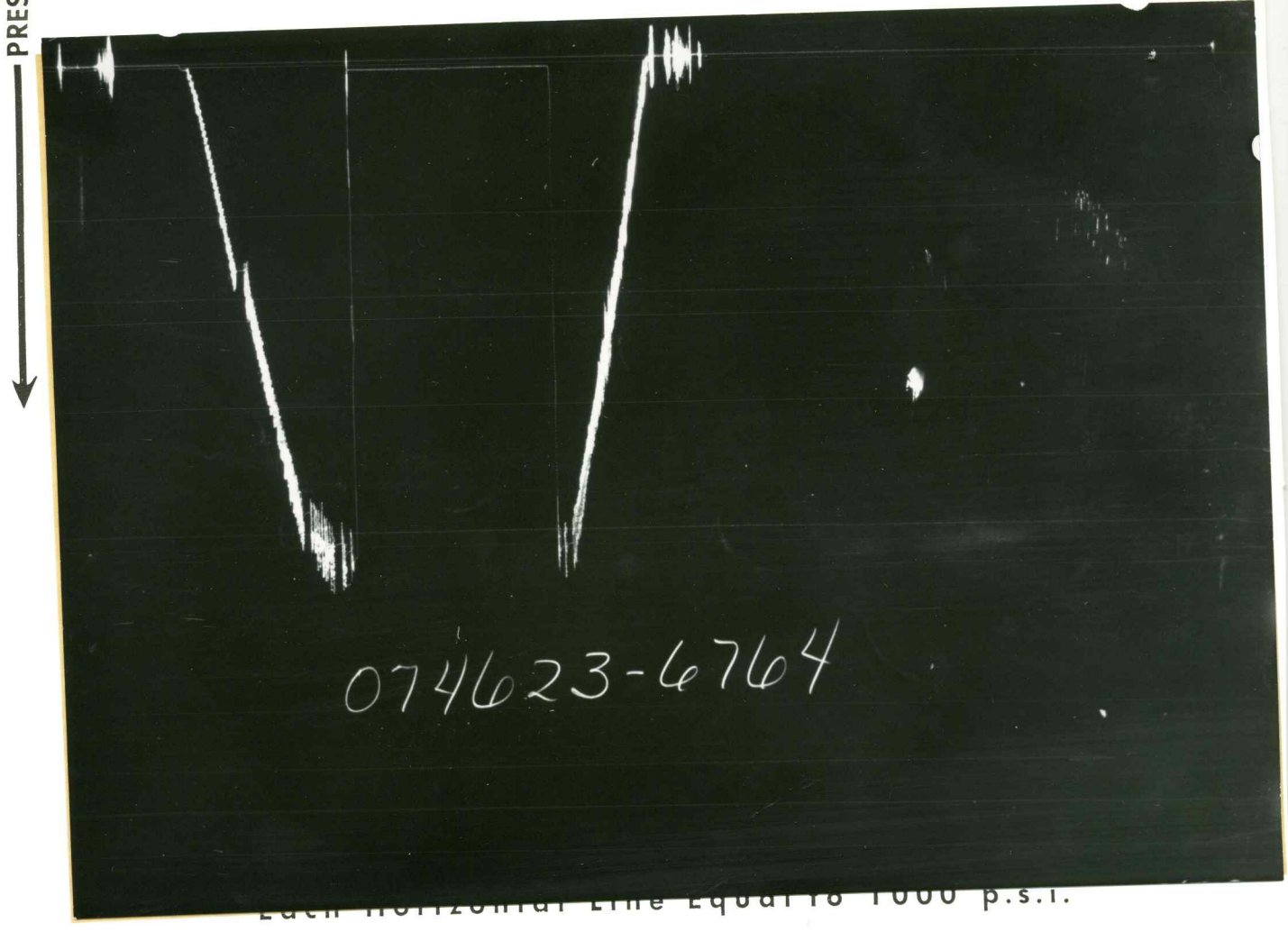
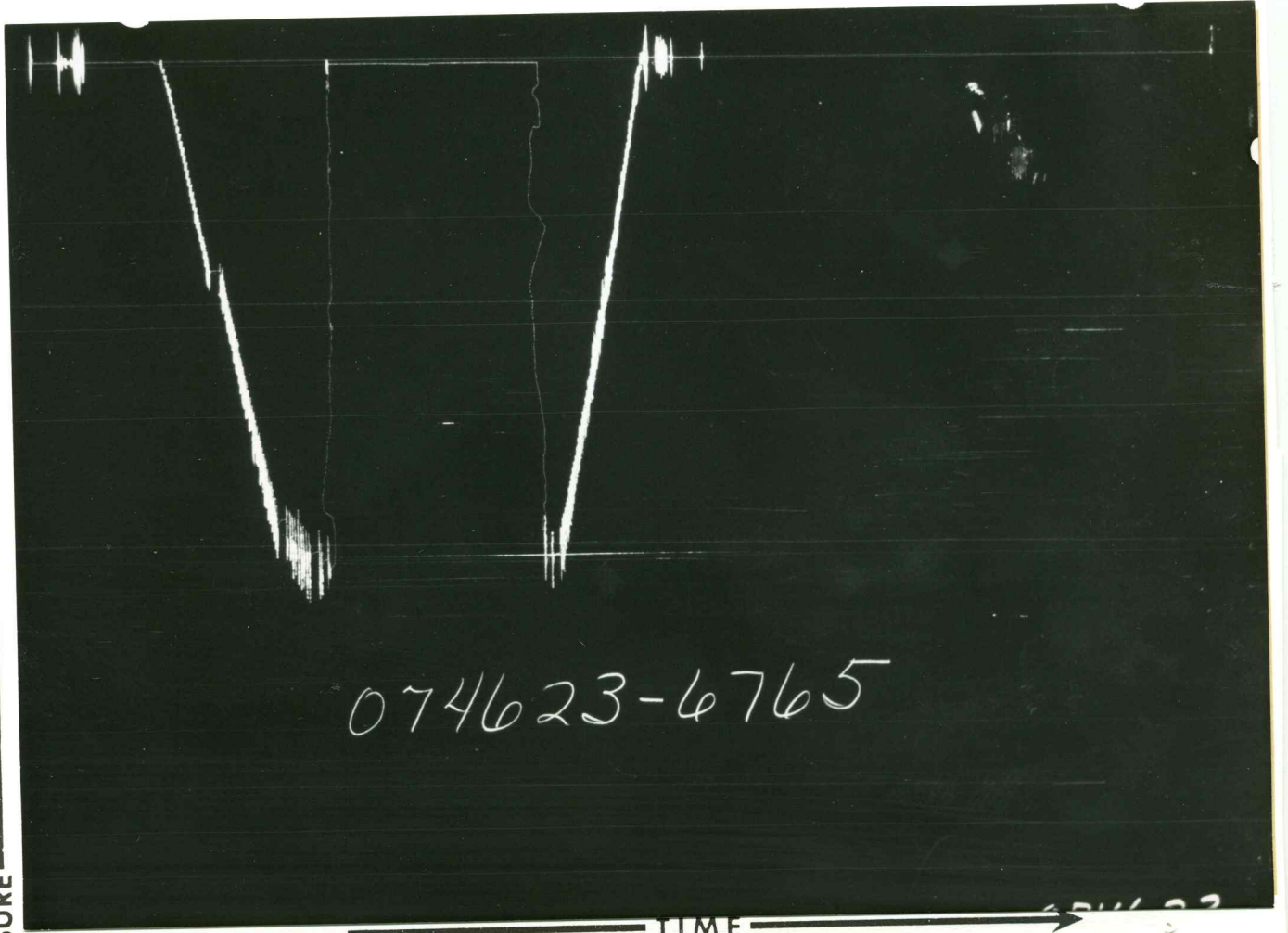
TEMPERATURE	Gauge No. 6765		Gauge No. 6764		Gauge No.		TIME	
	Depth:	4268' Ft.	Depth:	4298' Ft.	Depth:	Ft.		
Est. _____ °F.	12 Hour Clock		12 Hour Clock		Hour Clock		Tool	A.M.
4297'	Blanked Off NO		Blanked Off YES		Blanked Off		Opened	2115 P.M.
Actual 124 °F.	Pressures		Pressures		Pressures		Opened	2316 A.M.
	Field	Office	Field	Office	Field	Office	Bypass	2316 P.M.
Initial Hydrostatic		2056	2104	2074			Reported	Computed
First Period	Flow Initial	16	31	37			Minutes	Minutes
	Flow Final	16	31	39			30	
	Closed in	21	36	42			31	
Second Period	Flow Initial	17	31	37				
	Flow Final	17	31	37			30	
	Closed in	19	31	37			30	
Third Period	Flow Initial							
	Flow Final							
	Closed in							
Final Hydrostatic		2053	2093	2072				

Legal Location Sec. - Twp. - Rng. 400' SW NE NW 15 - 105 - 33M
 Lease Name NULLEIE
 Well No. 2
 Test No. 4266 - 4302'
 Tested Interval
 County THOMAS
 State KANSAS
 Lease Owner/Company Name DUVALD C. SLAWSON

MSF-501-51



	O. D.	I. D.	LENGTH	DEPTH
Drill Pipe or Tubing	5.75"	2.75"	12"	4249'
Reversing Sub				
Water Cushion Valve				
Drill Pipe	4 1/2"	3.826"	4111'	
Drill Collars	4 1/2"	2.764"	127.07' WP	
Handling Sub & Choke Assembly				
Dual CIP Valve	5"	.87"	65"	4250'
Dual CIP Sampler				
Hydro-Spring Tester	5"	.75"	60"	4255'
Multiple CIP Sampler				
Extension Joint				
AP Running Case				
Hydraulic Jar	5"	1.75"	60"	
VR Safety Joint	5"	1"	33" +	
Pressure Equalizing Crossover				
Packer Assembly	6.75"	1.53"	54"	4266'
Distributor				
Packer Assembly				
Flush Joint Anchor				
Pressure Equalizing Tube				
Blanked-Off B.T. Running Case	5"	3.06"	48" +	4268'
Drill Collars				
Anchor Pipe Safety Joint				
Packer Assembly				
Distributor				
Packer Assembly				
Anchor Pipe Safety Joint				
Side Wall Anchor				
Drill Collars				
Flush Joint Anchor	5"	3.84"	27.94'	
Blanked-Off B.T. Running Case	5"	2.44"	48.06"	4298'
Total Depth				4302'



**TEMPERATURE
RECORDER
CHART**



10° each circle

Legal Location Sec. - Twp. - Rng. 400' SW - NE - NW 15-10-33
 Lease Name NOLLETTE
 Well No. 2
 Test No. 2
 Field Area 4294' - 4323'
 Tested Interval
 County THOMAS
 State KANSAS
 Lease Owner/Company Name DONALD C. SLAWSON

FLUID SAMPLE DATA		Date 9-13-76	Ticket Number 074624
Sampler Pressure _____ P.S.I.G. at Surface	Kind of Job OPEN HOLE TEST	Halliburton District HAYS	
Recovery: Cu. Ft. Gas _____ cc. Oil _____ cc. Water _____ cc. Mud _____ Tot. Liquid cc. _____	Tester A. WEATHERBEE	Witness R. RUWWE	
Gravity _____ ° API @ _____ ° F.	Drilling Contractor SLAWSON DRILLING COMPANY INCORPORATED	TH	
Gas/Oil Ratio _____ cu. ft./bbl.	EQUIPMENT & HOLE DATA		
RESISTIVITY _____ CHLORIDE CONTENT _____	Formation Tested Lower Kansas City	Elevation 3163' KB	Ft.
Recovery Water _____ @ _____ ° F. _____ ppm	Net Productive Interval 2'		Ft.
Recovery Mud _____ @ _____ ° F. _____ ppm	All Depths Measured From Kelly Bushing	Total Depth 4323'	Ft.
Recovery Mud Filtrate _____ @ _____ ° F. _____ ppm	Main Hole/Casing Size 7 7/8"	Drill Collar Length 127.07' WP I.D. 2.764" WP	
Mud Pit Sample _____ @ _____ ° F. _____ ppm	Drill Pipe Length 4139'	I.D. 3.826"	
Mud Pit Sample Filtrate _____ @ _____ ° F. _____ ppm	Packer Depth(s) 4294'		Ft.
Mud Weight 9.3 vis 42 SEC. XXX	Depth Tester Valve 4283'		Ft.

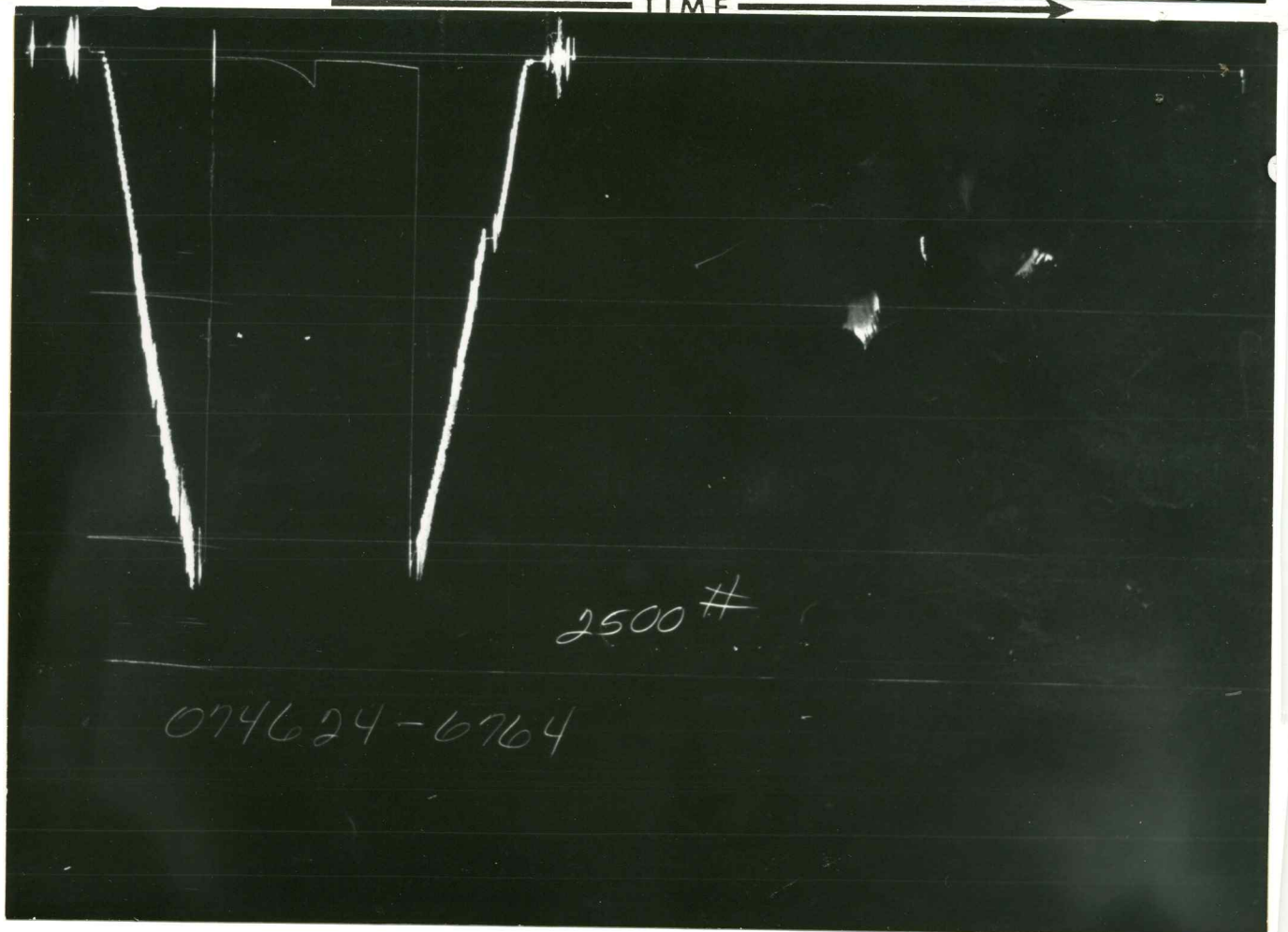
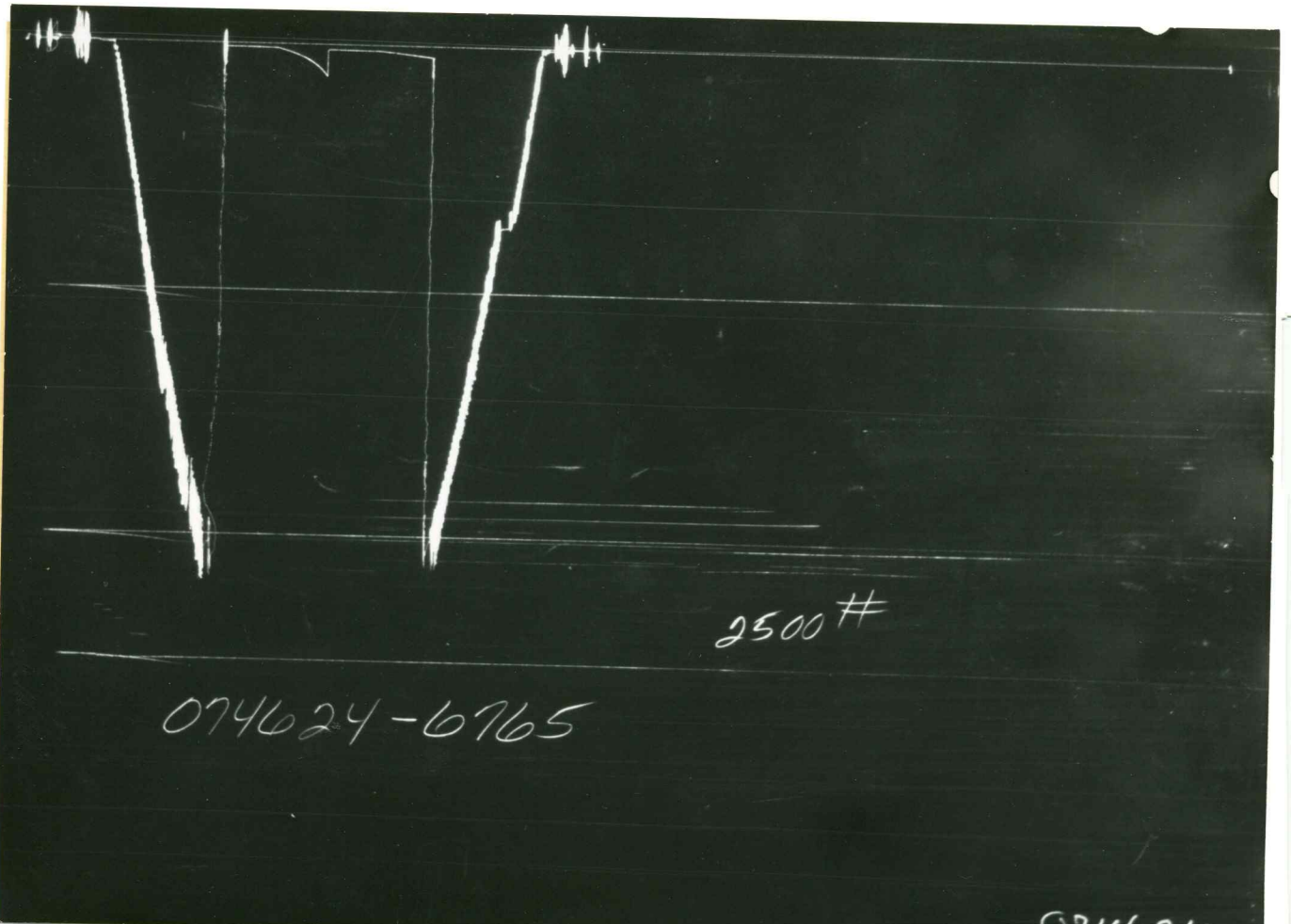
Cushion	TYPE	AMOUNT	Depth Back Pres. Valve	Surface Choke	Bottom Choke
			Ft.	1/4"	3/4"

Recovered 30	Feet of	oil cut mud, 10% oil.	Mea. From Tester Valve
Recovered	Feet of		
Recovered	Feet of		
Recovered	Feet of		
Recovered	Feet of		

Remarks See Production Test Data Sheet . . .

TEMPERATURE	Gauge No. 6765		Gauge No. 6764		Gauge No.		TIME	
	Depth: 4296 Ft.		Depth: 4319 Ft.		Depth: Ft.			
Est. °F.	12 Hour Clock		12 Hour Clock		Hour Clock		Tool A.M.	
	Blanked Off NO		Blanked Off YES		Blanked Off		Opened 1215 P.M.	
4318							Opened A.M.	
Actual 118 °F.	Pressures		Pressures		Pressures		Bypass 1415 P.M.	
	Field	Office	Field	Office	Field	Office	Reported	Computed
Initial Hydrostatic		2033	2093	2050			Minutes	Minutes
First Period Flow	Initial	16	31	30				
	Final	18	36	33			30	
	Closed in	130	146	147			30	
Second Period Flow	Initial	22	36	40				
	Final	24	41	39			30	
	Closed in	47	62	62			30	
Third Period Flow	Initial							
	Final							
	Closed in							
Final Hydrostatic		2022	2083	2040				

	O. D.	I. D.	LENGTH	DEPTH
Drill Pipe or Tubing				
Reversing Sub	5.75"	2.75"	12"	
Water Cushion Valve				
Drill Pipe	4 1/2"	3.826"	4139'	
Drill Collars Weight Pipe	4 1/2"	2.764"	127.07'	
Handling Sub & Choke Assembly				
Dual CIP Valve	5"	.87"	65"	4278'
Dual CIP Sampler				
Hydro-Spring Tester	5"	.75"	60"	4283'
Multiple CIP Sampler				
Extension Joint				
AP Running Case				
Hydraulic Jar	5"	1.75"	60"	
VR Safety Joint	5"	1"	33+"	
Pressure Equalizing Crossover				
Packer Assembly	6.75"	1.53"	54"	4294'
Distributor				
Packer Assembly				
Flush Joint Anchor				
Pressure Equalizing Tube				
Blanked-Off B.T. Running Case	5"	3.06"	48+"	4296'
Drill Collars				
Anchor Pipe Safety Joint				
Packer Assembly				
Distributor				
Packer Assembly				
Anchor Pipe Safety Joint				
Side Wall Anchor				
Drill Collars				
Flush Joint Anchor	5"	3.84"	20.94'	
Blanked-Off B.T. Running Case	5"	2.44"	48.06'	4319'
Total Depth				4323'



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

TEMPERATURE
RECORDER
CHART



10° each circle

#074624

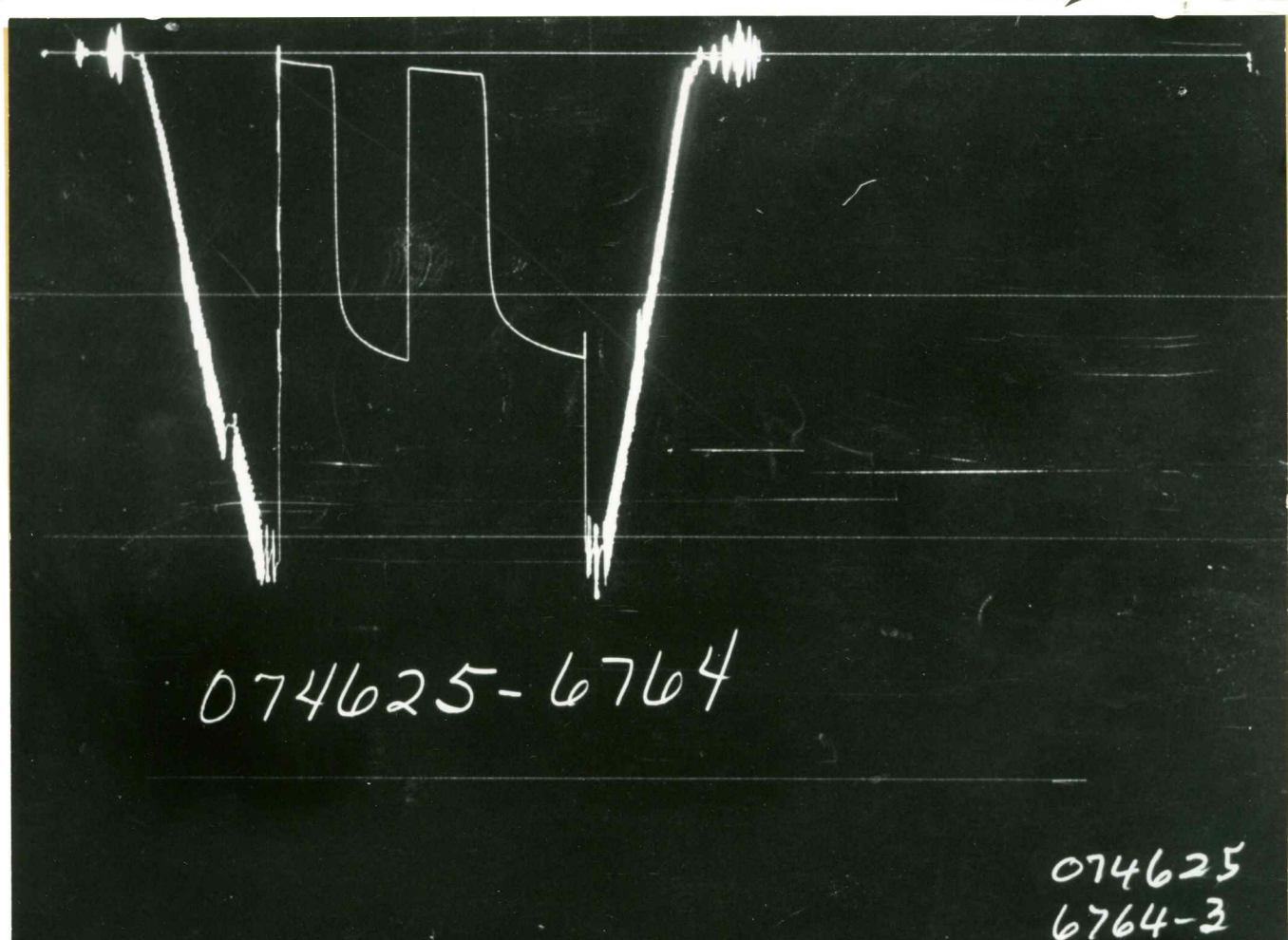
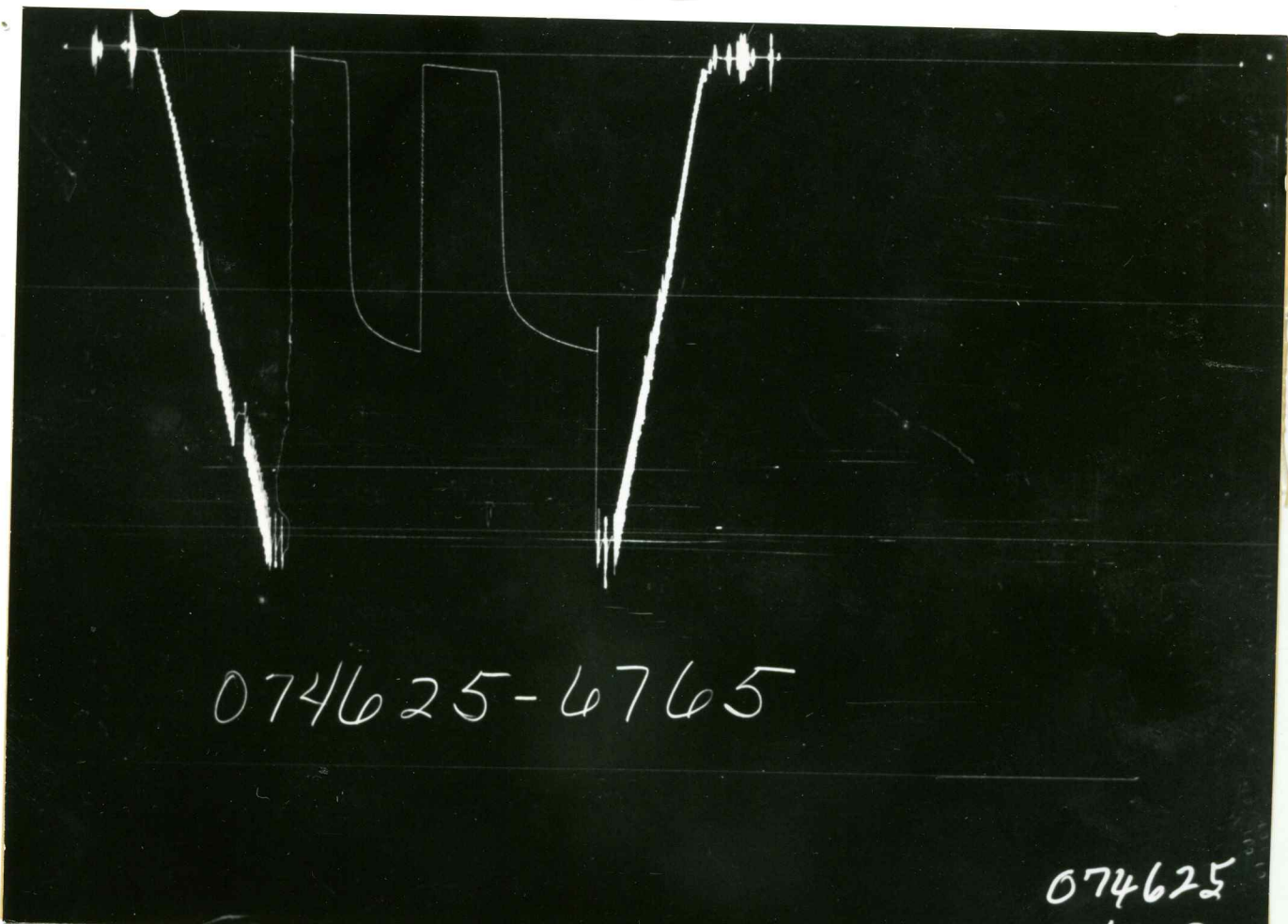
Legal Location Sec. - Twp. - Rng. 4001 SW NE NW 15 - 10 S 33W
 Lease Name NOLLELIE
 Well No. 2
 Test No. 3
 Tested Interval 4317' - 4348'
 County THOMAS
 State KANSAS
 Lease Owner/Company Name DUNNALL C. SLAWSON

FLUID SAMPLE DATA		Date	9-14-76	Ticket Number	074625
Sampler Pressure _____ P.S.I.G. at Surface	Kind of Job	OPEN HOLE	Halliburton District	HAYS	
Recovery: Cu. Ft. Gas _____	Tester	MR. WEATHERBEE	Witness	MR. RUWWE	
cc. Oil _____	Drilling Contractor	SLAWSON DRILLING COMPANY	BC S		
cc. Water _____	EQUIPMENT & HOLE DATA				
cc. Mud _____	Formation Tested	Lower Kansas City			
Tot. Liquid cc. _____	Elevation	3163' KB	Ft.		
Gravity _____ ° API @ _____ ° F.	Net Productive Interval	2' Net	Ft.		
Gas/Oil Ratio _____ cu. ft./bbl.	All Depths Measured From	Kelly Bushing			
RESISTIVITY _____ CHLORIDE CONTENT _____	Total Depth	4348'	Ft.		
Recovery Water _____ @ _____ ° F. _____ ppm	Main Hole/Casing Size	7 7/8"			
Recovery Mud _____ @ _____ ° F. _____ ppm	Drill Collar Length	127.07'	I.D.	2.764" WP	
Recovery Mud Filtrate _____ @ _____ ° F. _____ ppm	Drill Pipe Length	4162'	I.D.	3.826"	
Mud Pit Sample _____ @ _____ ° F. _____ ppm	Packer Depth(s)	4317'	Ft.		
Mud Pit Sample Filtrate _____ @ _____ ° F. _____ ppm	Depth Tester Valve	4306'	Ft.		
Mud Weight 9.3 vis 48 Sec. CP					

TYPE	AMOUNT	Depth Back Pres. Valve	Surface Choke	Bottom Choke
Cushion		Ft.	1/4"	3/4"
Recovered	10 Feet of	Slightly oil cut mud		
Recovered	60 Feet of	Slightly oil cut mud with 80% water and 20% mud		
Recovered	65 Feet of	Muddy salt water		
Recovered	Feet of			
Recovered	Feet of			
Remarks	SEE PRODUCTION TEST DATA SHEET.			

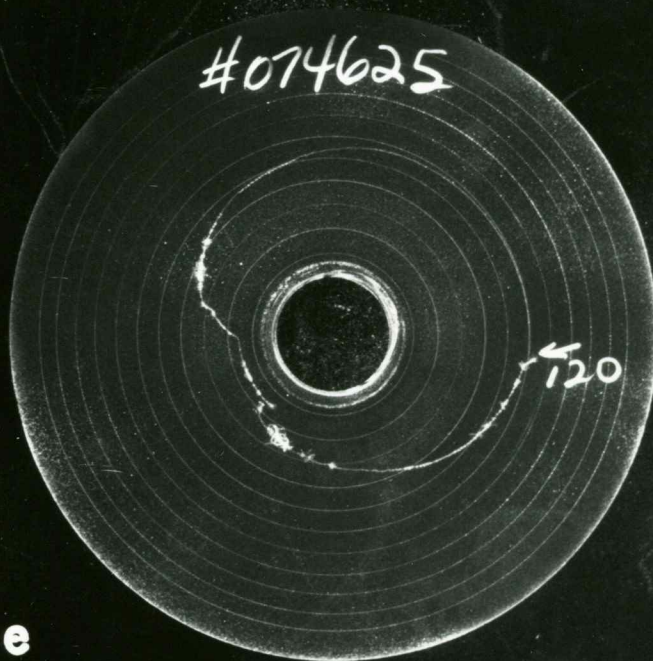
TEMPERATURE	Gauge No. 6765		Gauge No. 6764		Gauge No.		TIME	
	Depth:	Ft.	Depth:	Ft.	Depth:	Ft.	Hour Clock	
Est. _____ ° F.	12 Hour Clock		12 Hour Clock		Hour Clock		Tool	A.M.
4343'	Blanked Off NO		Blanked Off YES		Blanked Off		Opened	1:40 P.M.
Actual 120 ° F.	Pressures		Pressures		Pressures		Opened Bypass	4:40 P.M.
	Field	Office	Field	Office	Field	Office	Reported	Computed
Initial Hydrostatic		2033	2093	2051			Minutes	Minutes
First Period Flow	Initial	17	41	31				
	Final	43	62	58			30	31
	Closed in	1253	1281	1272			45	45
Second Period Flow	Initial	49	62	64				
	Final	74	83	88			45	44
	Closed in	1241	1250	1260			60	60
Third Period Flow	Initial							
	Final							
	Closed in							
Final Hydrostatic		2033	2083	2051				

	O. D.	I. D.	LENGTH	DEPTH
Drill Pipe or Tubing				
Reversing Sub	5.75"	2.75"	1'	4300'
Water Cushion Valve				
Drill Pipe	4 1/2"	3.826"	4162'	
Drill Collars	4 1/2" WP	2.764"	127.07'	
Handling Sub & Choke Assembly				
Dual CIP Valve	5"	.87"	65"	4301'
Dual CIP Sampler				
Hydro-Spring Tester	5"	.75"	60"	4306'
Multiple CIP Sampler				
Extension Joint				
AP Running Case				
Hydraulic Jar	5"	1.75"	60"	
VR Safety Joint	5"	1"	33" +	
Pressure Equalizing Crossover				
Packer Assembly	6.75"	1.53"	54"	4317'
Distributor				
Packer Assembly				
Flush Joint Anchor				
Pressure Equalizing Tube				
Blanked-Off B.T. Running Case	5"	3.06"	48" +	4319'
Drill Collars				
Anchor Pipe Safety Joint				
Packer Assembly				
Distributor				
Packer Assembly				
Anchor Pipe Safety Joint				
Side Wall Anchor				
Drill Collars				
Flush Joint Anchor	5"	3.84"	22.94'	
Blanked-Off B.T. Running Case	5"	2.44"	48.06"	4344'
Total Depth				4348'



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

**TEMPERATURE
RECORDER
CHART**



10° each circle