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 9.5 vis 55 sec. cp

Date 3-9-77 Ticket Number 085518
Kind of Job OPEN HOLE Halliburton District HAYS
Tester J. MONDERO / L. NUTTING Witness ORLIN PHELPS
Drilling Contractor STOEPPLEWERTH DRILLING COMPANY DR

EQUIPMENT & HOLE DATA

Formation Tested Lower Kansas City
Elevation 3111' Ft.
Net Productive Interval 6' Ft.
All Depths Measured From Kelly Bushing
Total Depth 4123' Ft.
Main Hole/Casing Size 7 7/8"
Drill Collar Length 305' I.D. 2.76"
Drill Pipe Length 3742' I.D. 3.826"
Packer Depth(s) 4071-4079' Ft.
Depth Tester Valve 4055' Ft.

Cushion TYPE AMOUNT Ft. Depth Back Pres. Valve
Surface Choke .25" Bottom Choke .75"

Recovered 1250 Feet of muddy salt water with scum of oil
Recovered Feet of
Recovered Feet of
Recovered Feet of
Recovered Feet of

Remarks SEE PRODUCTION TEST DATA SHEET

TEMPERATURE	Gauge No. 7342	Gauge No. 7341	Gauge No.	TIME
	Depth: 4061 Ft.	Depth: 4120 Ft.	Depth: Ft.	
	12 Hour Clock	12 Hour Clock	Hour Clock	Tool Opened 2020 A.M. P.M.
Est. °F.	Blanked Off No	Blanked Off Yes	Blanked Off	Opened A.M.
4118' Actual 115 °F.	Pressures	Pressures	Pressures	Bypass 2320 P.M.

		Field	Office	Field	Office	Field	Office	Reported Minutes	Computed Minutes
Initial Hydrostatic			2103	2111	2131				
First Period Flow	Initial		24	75	56			———	———
	Final		383	420	430			30	30
	Closed in		1027	1044	1052			60	60
Second Period Flow	Initial		394	401	421			———	———
	Final		584	597	608			30	28
	Closed in		1016	1035	1043			60	61
Third Period Flow	Initial							———	———
	Final								
	Closed in								
Final Hydrostatic			2071	2074	2104			———	———

Legal Location Sec. - Twp. - Rng. 22-15-34W C SW SE
Lease Name KUNDYSEK
Well No. 1
Test No. 1
Field Area CHEOY
Tested Interval 4079-4123'
County RAWLINS
State KANSAS
Lease Owner/Company Name PETROLEUM, INCORPORATED
Meas. From Tester Valve

FORM 181-R1—PRINTED IN U.S.A.

FORMATION TEST DATA

LITTLE'S 96671 10M 8/74

Casing perfs._____ Bottom choke._____ Surf. temp._____ °F Ticket No. 085518

Gas gravity._____ Oil gravity._____ GOR._____

Spec. gravity._____ Chlorides._____ ppm Res._____ @_____ °F

INDICATE TYPE AND SIZE OF GAS MEASURING DEVICE USED_____

Date Time a.m. p.m.	Choke Size	Surface Pressure psi	Gas Rate MCF	Liquid Rate BPD	Remarks
1300					Called for DST # 1
1630					On location, rig pulling drill pipe
1810					Picked up tools
1850					Tools made up, ready to start in hole
1900					Went in hole.
2020					Opened tool with a strong blow in 5 minute
2050					bottom of bucket Closed tool
2150					Opened tool with a strong blow, bottom
2220					of bucket in 7 minutes. Closed tool
2320					Off bottom
0205					Tools in table
0245					Tools laid down

FORM 182-R1—PRINTED IN U.S.A.

PRODUCTION TEST DATA

LITTLE'S 96672 5M 8/74

Gauge No.	7342	Depth	4061'	Clock No.	-	12 hour	Ticket No.	085518	

	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"	Log $\frac{t+\theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t+\theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t+\theta}{\theta}$	PSIG Temp. Corr.
0	.000	24	.000		38 3	.000	394	.000		584					
1	.0337	175	.0268		969	.0271	417	.0329		968*					
2	.0673	224	.0536		983	.0543	448	.0592		978					
3	.1010	258	.0804		993	.0814	479	.0855		985					
4	.1347	302	.1072		998	.1086	506	.1117		990					
5	.1684	347	.1340		1003	.1357	531	.1380		994					
6	.2020	383	.1608		1007	.1628	558	.1643		998					
7			.1876		1010	.1900	584	.1906		1000					
8			.2144		1014			.2169		1003					
9			.2412		1016			.2432		1006					
10			.2680		1019			.2695		1008					
11			.2948		1021			.2958		1010					
12			.3216		1022			.3221		1012					
13			.3484		1024			.3484		1015					
14			.3752		1026			.3746		1016					
15			.4020		1027			.4010		1016					

Gauge No.	7341	Depth	4120'	Clock No.	-	hour 12								
0	.000	56	.000		430	.000	421	.000		608					
1	.202	430	.0368		994	.0271	442	.0333		993*					
2			.0536		1008	.0543	476	.0599		1005					
3	Plugging		.0804		1017	.0814	505	.0865		1010					
4			.1072		1022	.1086	532	.1131		1015					
5			.1340		1028	.1357	557	.1398		1020					
6			.1608		1033	.1628	583	.1664		1023					
7			.1876		1036	.1900	608	.1930		1026					
8			.2144		1038			.2196		1029					
9			.2412		1041			.2462		1032					
10			.2680		1044			.2729		1034					
11			.2948		1046			.2995		1036					
12			.3216		1048			.3261		1038					
13			.3484		1049			.3527		1040					
14			.3752		1050			.3793		1041					
15			.4020		1052			.4060		1043					
Reading Interval		5	4			4		4							Minutes

REMARKS: *-5 minutes.

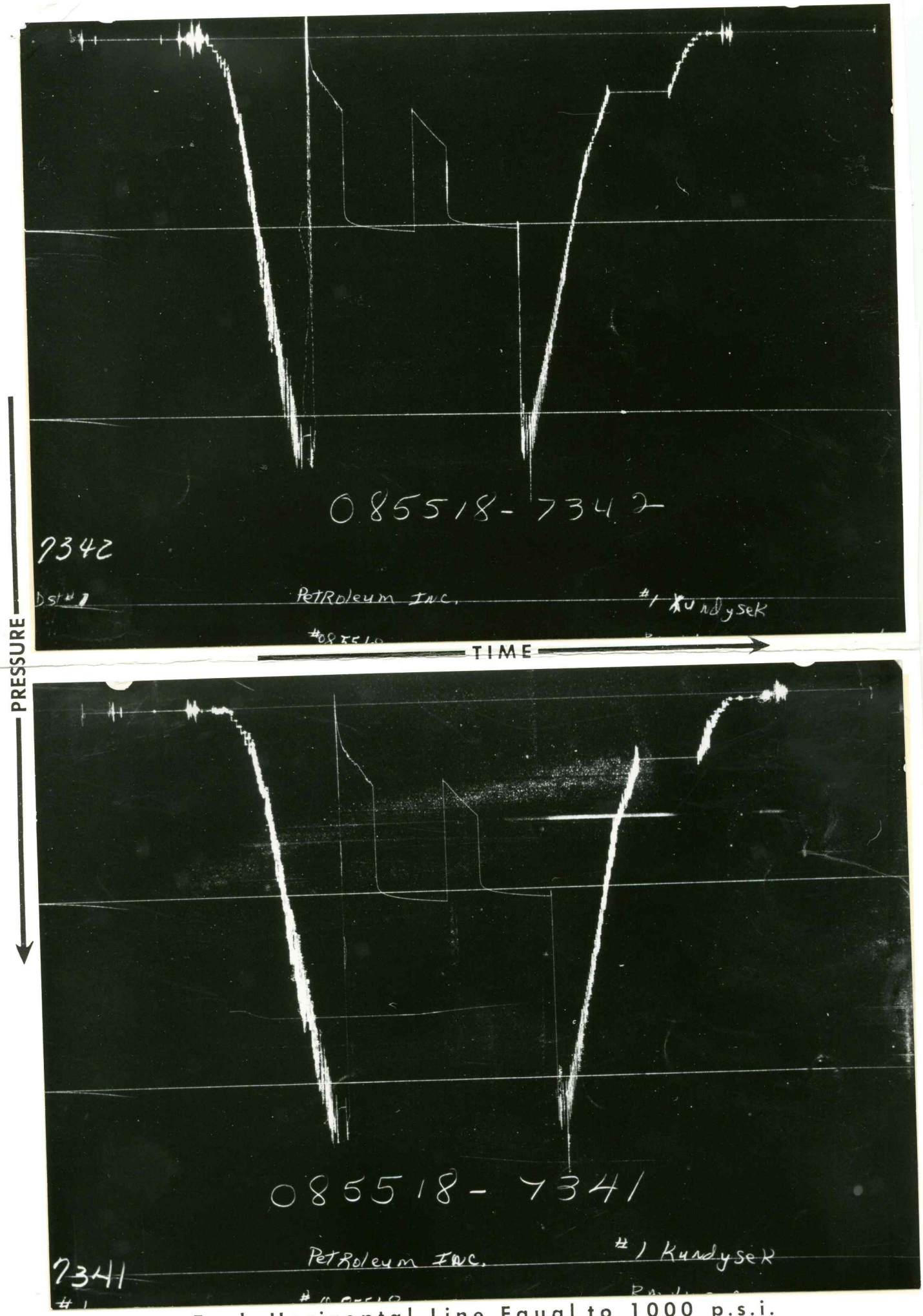
FORM 183-R1—PRINTED IN U.S.A.

SPECIAL PRESSURE DATA

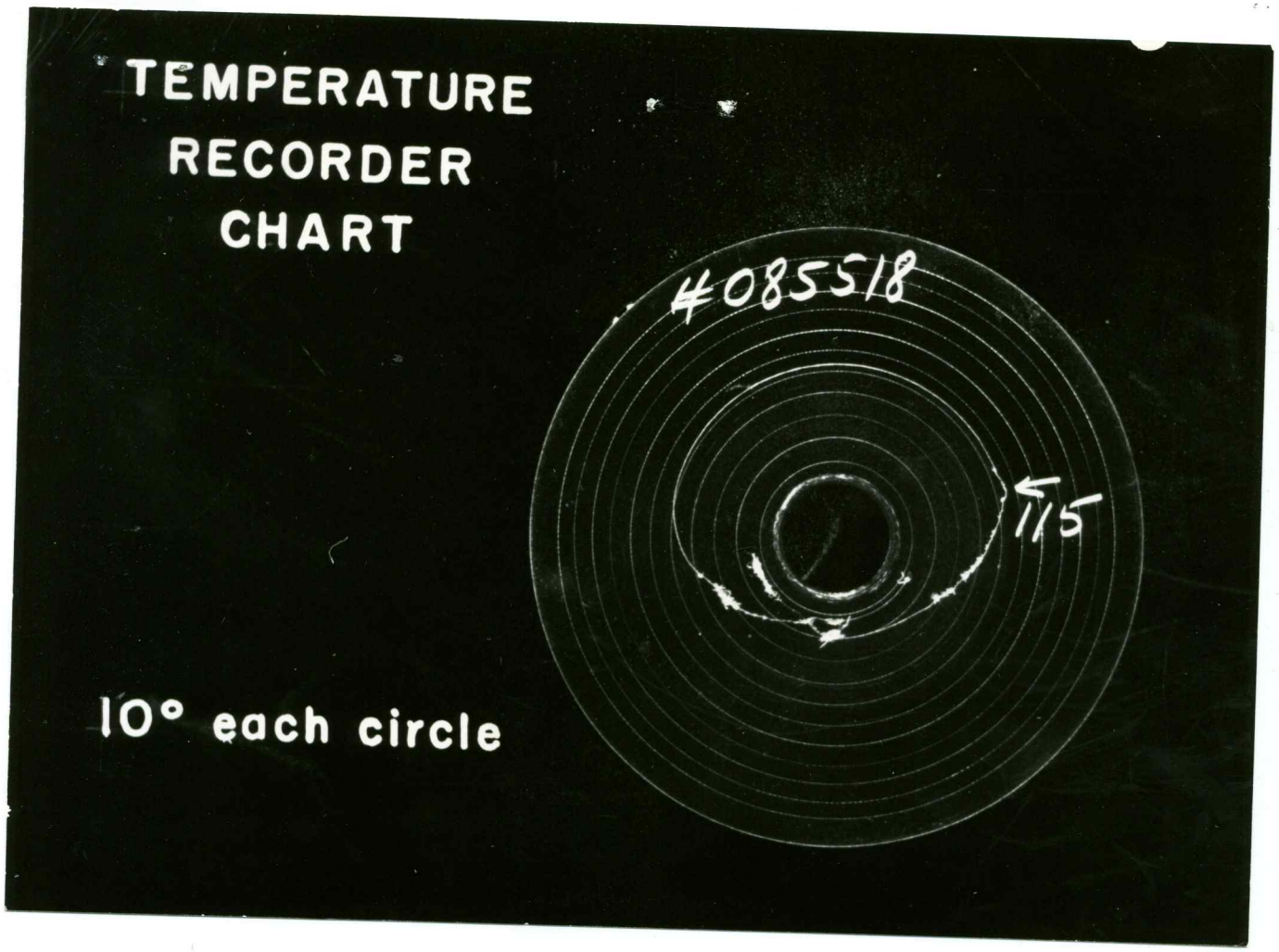
LITTLE'S 96673 75C 8/74

TICKET NO. 085518

	O. D.	I. D.	LENGTH	DEPTH
Drill Pipe or Tubing				
Reversing Sub	5.75"	2.75"	1'	3924'
Water Cushion Valve				
Drill Pipe	4½"	3.826"	3742'	
Drill Collars		2.76"	305'	
Handling Sub & Choke Assembly				
Dual CIP Valve	5"	.87"	5'	4050'
Dual CIP Sampler				
Hydro-Spring Tester	5"	.75"	5'	4055'
Multiple CIP Sampler				
Extension Joint				
AP Running Case	5"	22.5"	4'	4061'
Hydraulic Jar				
VR Safety Joint	5"	1.00"	3'	
Pressure Equalizing Crossover				
Packer Assembly	6.75"	1.53"	6'	4071'
Distributor	5"	2.37"	2'	
Packer Assembly	6.75"	1.53"	4'	4079'
Flush Joint Anchor				
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	5"	2.37"	39'	
HT-500	5"	3.06"	1'	4118'
Blanked-Off B.T. Running Case	5"	2.44"	4'	4120'
Total Depth				4123'



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


TEMPERATURE
RECORDER
CHART
#085518
115
10° each circle

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 9.7 vis 45 sec ~~XX~~ cp

Date 3-10-77 Ticket Number 085519
Kind of Job OPEN HOLE Halliburton District HAYS
Tester MR. MONDERO / MR. NUTTING Witness ORLIN PHELPS
Drilling Contractor STOEPPELWERTH DRILLING INCORPORATED SM

EQUIPMENT & HOLE DATA

Formation Tested Lower Kansas City
Elevation 3111' Kelly bushing Ft.
Net Productive Interval 6' Ft.
All Depths Measured From Kelly bushing
Total Depth 4168' Ft.
Main Hole/Casing Size 7 7/8"
Drill Collar Length 305' I.D. 2.25"
Drill Pipe Length 3796' I.D. 3.826"
Packer Depth(s) 4122-4128' Ft.
Depth Tester Valve 4106' Ft.

Cushion TYPE AMOUNT Ft. Depth Back Pres. Valve
Surface Choke .25" Bottom Choke .75"

Recovered 5 Feet of drilling mud
Recovered Feet of
Recovered Feet of
Recovered Feet of
Recovered Feet of

Meas. From Tester Valve

Remarks SEE PRODUCTION TEST DATA SHEET

TEMPERATURE	Gauge No. 7342 Depth: 4112 Ft.	Gauge No. 7341 Depth: 4165 Ft.	Gauge No. Depth: Ft.	TIME
	12 Hour Clock	12 Hour Clock	Hour Clock	Tool Opened 1245 A.M. P.M.
Est. °F.	Blanked Off no	Blanked Off yes	Blanked Off	Opened Bypass 1515 A.M. P.M.
4163 Actual 112 °F.	Pressures	Pressures	Pressures	

		Field	Office	Field	Office	Field	Office	Reported Minutes	Computed Minutes
Initial Hydrostatic			2082	2092	2112				
First Period	Flow Initial		12	37	43			———	———
	Flow Final		12	47	44			30	
	Closed in		117	149	146			45	
Second Period	Flow Initial		17	37	44			———	———
	Flow Final		14	47	43			30	
	Closed in		64	93	91			45	
Third Period	Flow Initial							———	———
	Flow Final								
	Closed in								
Final Hydrostatic			2076	2092	2105			———	———

Legal Location Sec. - Twp. - Rng. 22-15 S - 34 W C SW - SE
Lease Name KUNDYSEK
Well No. 1
Test No. 2
Tested Interval 4128 - 4168'
Field Area CHEOY
County RAWLINS
State KANSAS
Lease Owner/Company Name PETROLEUM INCORPORATED

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FORM 181-R1—PRINTED IN U.S.A.

FORMATION TEST DATA

LITTLE'S 96671 10M 8/74

Casing perfs._____ Bottom choke_____ Surf. temp_____ °F Ticket No. 085519

Gas gravity_____ Oil gravity_____ GOR_____

Spec. gravity_____ Chlorides_____ ppm Res._____ @_____ °F

INDICATE TYPE AND SIZE OF GAS MEASURING DEVICE USED_____

Date Time a.m. p.m.	Choke Size	Surface Pressure psi	Gas Rate MCF	Liquid Rate BPD	Remarks
0900					Called
1030					On location
1050					Picked up
1120					Tools made up
1245					Opened tool with a weak blow, 1/4"
1253					Blow died in 8 minutes.
1315					Closed tool
1400					Opened tool with no blow.
1415					Attempted to flush, failed
1430					Closed tool
1515					Off bottom
1630					Tool in table
1700					Tool laid down.

FORM 182-R1—PRINTED IN U.S.A.

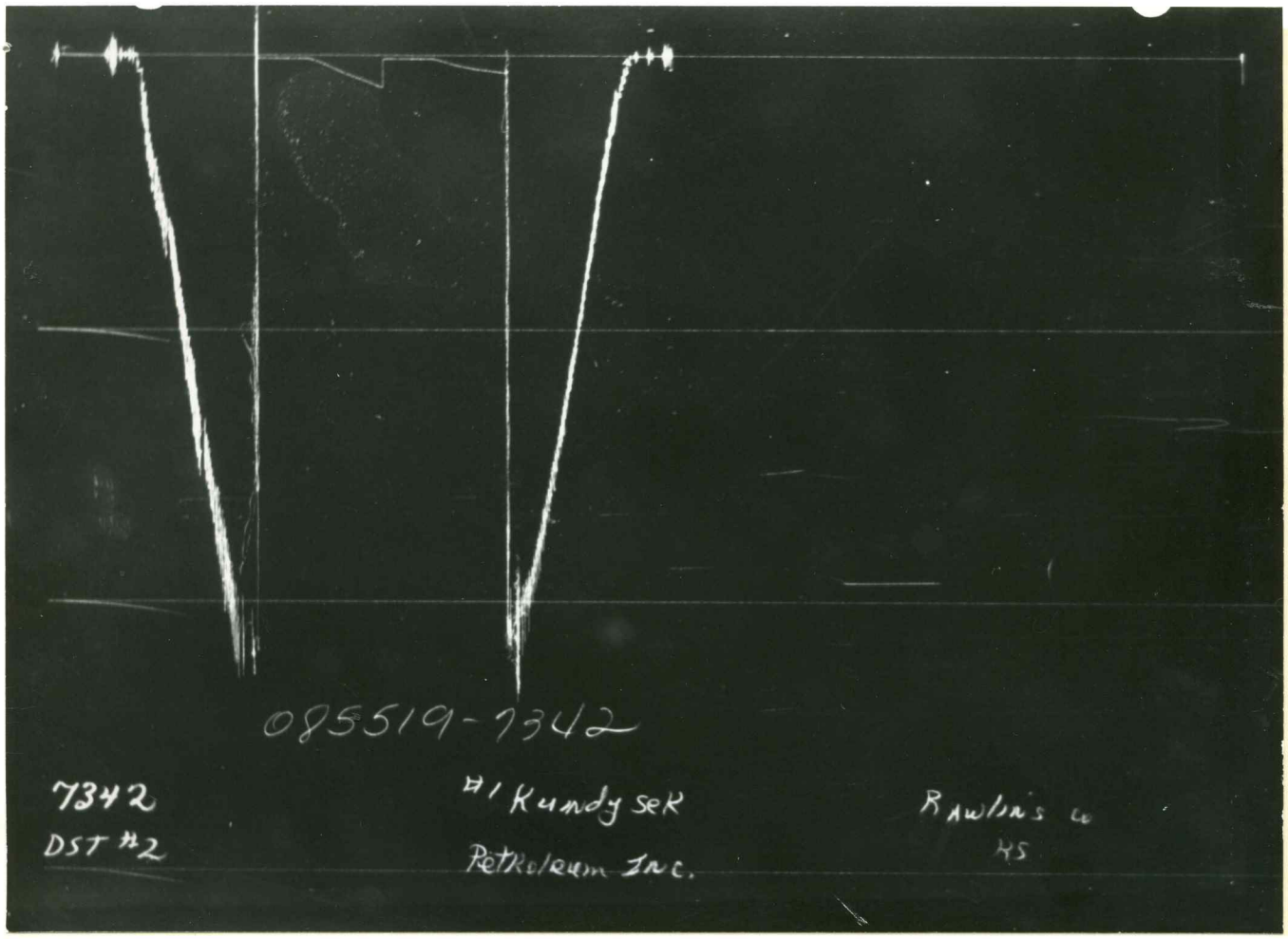
PRODUCTION TEST DATA

LITTLE'S 96672 5M 8/74

TICKET NO. 085519

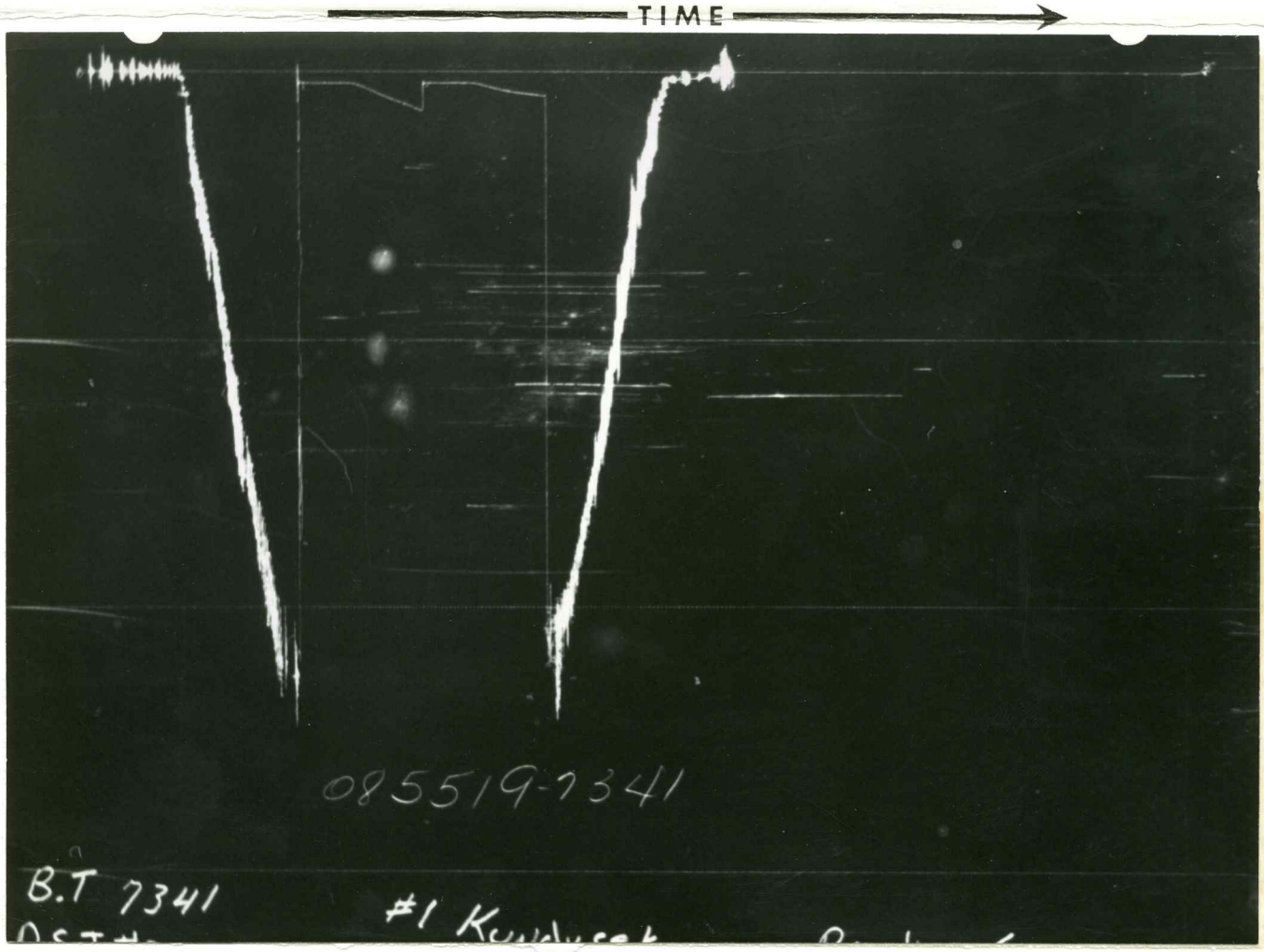
	O. D.	I. D.	LENGTH	DEPTH
Drill Pipe or Tubing				
Reversing Sub	5.75"	2.75"	1'	3975'
Water Cushion Valve				
Drill Pipe	4½"	3.826"	3796'	
Drill Collars	6"	2.25"	126'	
Handling Sub & Choke Assembly				
Dual CIP Valve	5"	.87"	5'	4101'
Dual CIP Sampler				
Hydro-Spring Tester	5"	.75"	5'	4106'
Multiple CIP Sampler				
Extension Joint				
AP Running Case	5"	2.25"	4'	4112'
Hydraulic Jar				
VR Safety Joint	5"	1"	3'	
Pressure Equalizing Crossover				
Packer Assembly	6.75"	1.53"	6'	4122'
Distributor				
Packer Assembly	6.75"	1.53"	4'	4128'
Flush Joint Anchor				
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	5"	2.37"	35'	
HT 500 Temp gauge	5"	3.06"	1'	4163'
Blanked-Off B.T. Running Case	5"	2.44"	4'	4165'
Total Depth				4168'

EQUIPMENT DATA

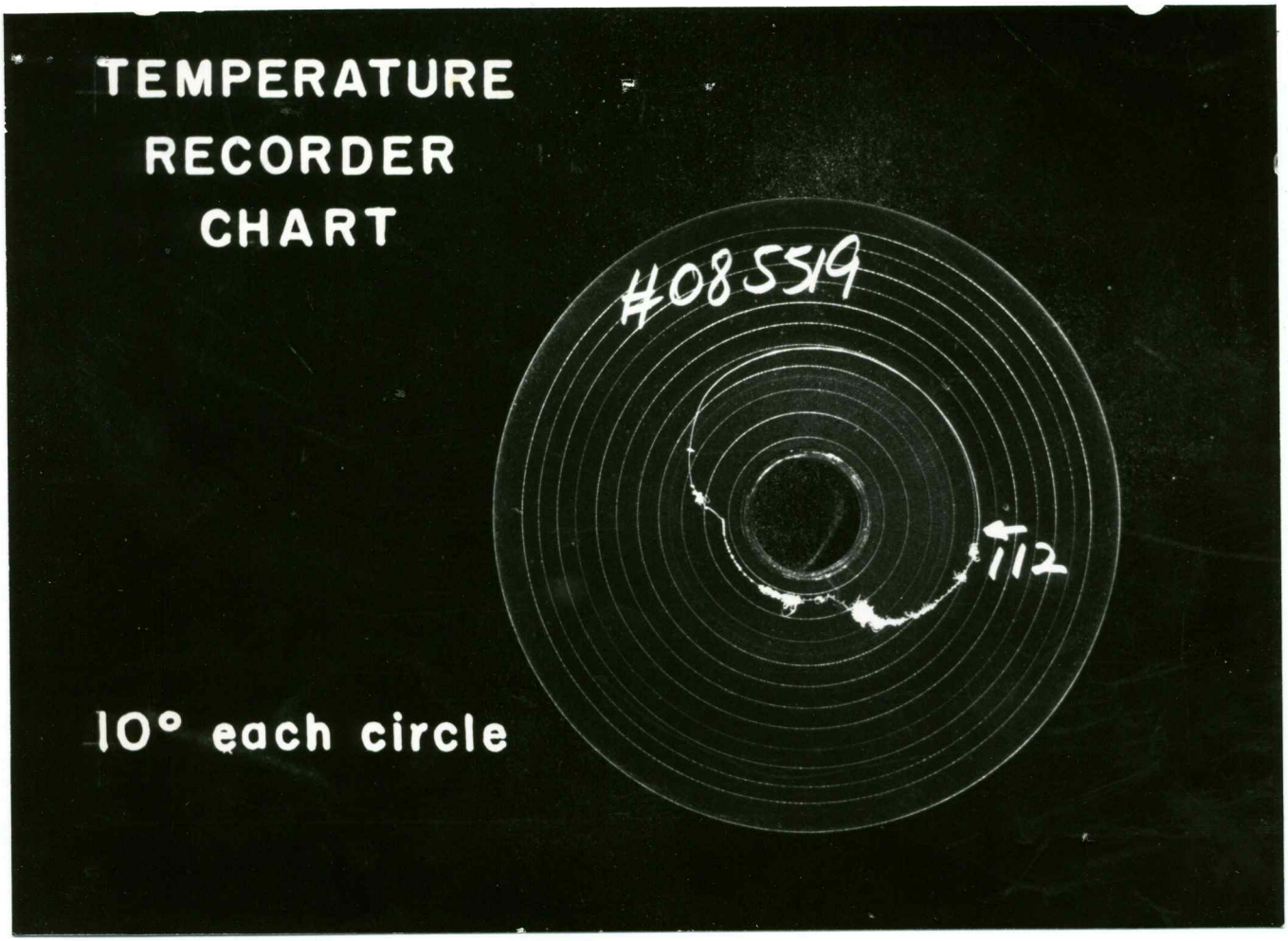


PRESSURE

TIME



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


TEMPERATURE
RECORDER
CHART
#085519
T12
10° each circle

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 9.6 vis 46 SEC.

Date 3-11-77 Ticket Number 085520
Kind of Job OPEN HOLE TEST Halliburton District HAYS
Tester L. NUTTING Witness ORLIN PHELPS
Drilling Contractor STOEPPLEWERTH DRILLING COMPANY TH S

EQUIPMENT & HOLE DATA

Formation Tested Lower Kansas City
Elevation 3111' Ft.
Net Productive Interval 6' Ft.
All Depths Measured From Kelly Bushing
Total Depth 4216' Ft.
Main Hole/Casing Size 7 7/8"
Drill Collar Length 305' I.D. 2.25"
Drill Pipe Length 3835' I.D. 3.826"
Packer Depth(s) 4162' - 4168' Ft.
Depth Tester Valve 4144' Ft.

Cushion TYPE AMOUNT Ft. Depth Back Pres. Valve
Surface Choke .25" Bottom Choke .75"

Recovered 180 Feet of slightly oil cut mud.
Recovered Feet of
Recovered Feet of
Recovered Feet of
Recovered Feet of
Recovered Feet of

Mea. From Tester Valve

Remarks See Production Test Data Sheet . . .

TEMPERATURE	Gauge No. 7342	Gauge No. 7341	Gauge No.	TIME
	Depth: 4150 Ft.	Depth: 4212 Ft.	Depth: Ft.	
	12 Hour Clock	12 Hour Clock	Hour Clock	Tool Opened 0720 A.M. P.M.
Est. °F.	Blanked Off NO	Blanked Off YES	Blanked Off	Opened A.M.
4211 Actual 117°F.	Pressures	Pressures	Pressures	Bypass 1140 P.M.

		Field	Office	Field	Office	Field	Office	Reported Minutes	Computed Minutes
Initial Hydrostatic			2123	2187	2154				
First Period	Flow Initial		10	37	42			———	———
	Flow Final		110	131	145			30	30
	Closed in		1190	1156	1221			60	60
Second Period	Flow Initial		115	149	147			———	———
	Flow Final		214	243	243			90	90
	Closed in		1172	1137	1201			60	60
Third Period	Flow Initial							———	———
	Flow Final								
	Closed in								
Final Hydrostatic			2108	2149	2137			———	———

Legal Location Sec. - Twp. - Rng. 22 - 1S - 34W C SE - SE
Lease Name KUNDYSEK
Well No. 1
Test No. 3
Field Area CHEOY
Tested Interval 4168' - 4216'
County RAWLINS
State KANSAS
Lease Owner/Company Name PETROLEUM INCORPORATED

FORM 181-RI—PRINTED IN U.S.A.

FORMATION TEST DATA

LITTLE'S 96671 10M 8/74

5

Casing perfs._____ Bottom choke_____ Surf. temp_____ °F Ticket No. 085520

Gas gravity_____ Oil gravity_____ GOR_____

Spec. gravity_____ Chlorides_____ ppm Res._____ @_____ °F

INDICATE TYPE AND SIZE OF GAS MEASURING DEVICE USED_____

Date Time a.m. p.m.	Choke Size	Surface Pressure psi	Gas Rate MCF	Liquid Rate BPD	Remarks
0245					Called out.
0430					On location.
0445					Plan job.
0450					Pick up tools.
0545					Tools in table, ready to run in hole.
0550					Ran in hole.
0720					Tool opened with a weak blow, 1/4" blow
0730					increasing to a 1".
0740					Good blow increasing to 3".
0750					Strong blow increasing to 4 3/4".
0750					Closed tool.
0850					Opened tool with a weak blow, 1/4" blow
0910					increasing to 2".
0930					Blow increasing to 3".
1040					Blow steady 3".
1040					Closed tool.
1140					Off bottom, easy.
1630					Tool in table.
1730					Tool laid down.

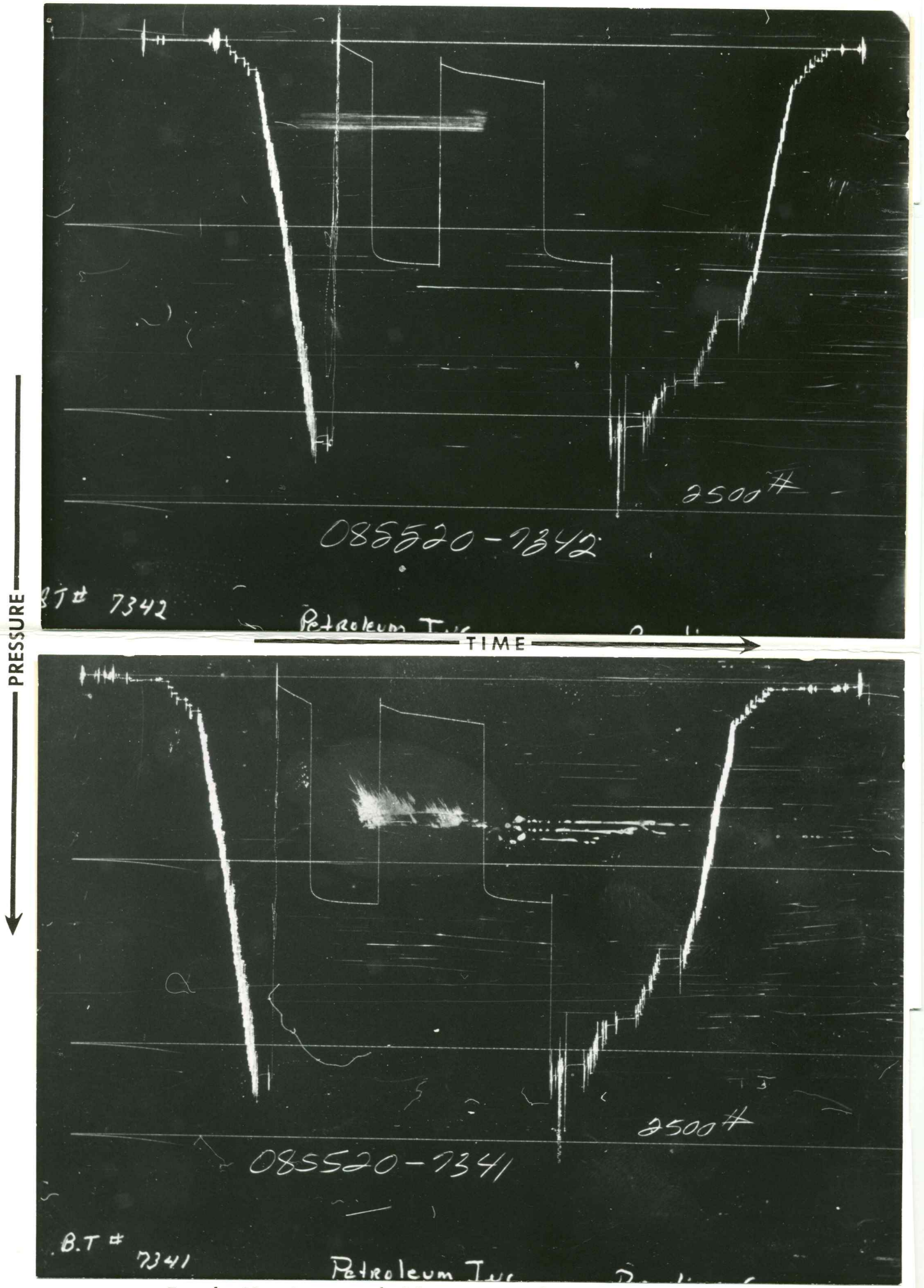
Gauge No. 7342			Depth 4150			Clock No.			12 hour	Ticket No. 085520				
	First Flow Period		First Closed In Pressure			Second Flow Period		Second Closed In Pressure			Third Flow Period		Third Closed In Pressure		
	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t+\theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t+\theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t+\theta}{\theta}$	PSIG Temp. Corr.
0	.0000	10	.0000		110	.0000	115	.0000		214					
1	.0342	28	.0269		1138	.1003	159	.0269		1118					
2	.0683	46	.0537		1160	.2007	165	.0537		1137					
3	.1025	63	.0806		1169	.3010	177	.0806		1146					
4	.1366	78	.1074		1174	.4013	190	.1074		1151					
5	.1708	94	.1343		1179	.5017	202	.1343		1156					
6	.2050	110	.1612		1182	.6020	214	.1612		1159					
7			.1880		1184			.1880		1161					
8			.2149		1186			.2149		1163					
9			.2417		1187			.2417		1165					
10			.2686		1188			.2686		1167					
11			.2955		1189			.2955		1168					
12			.3223		1189			.3223		1169					
13			.3492		1190			.3492		1170					
14			.3760		1191			.3760		1171					
15			.4030		1190			.4030		1172					
Gauge No. 7341					Depth 4212			Clock No.			12 hour				
0	.0000	42	.0000		145	.0000	147	.0000		243					
1	.0340	62	.0269		1171	.1013	178	.0269		1150					
2	.0680	80	.0537		1191	.2027	195	.0539		1168					
3	.1020	97	.0806		1199	.3040	206	.0808		1175					
4	.1360	113	.1074		1205	.4053	218	.1077		1180					
5	.1700	130	.1343		1208	.5067	231	.1347		1184					
6	.2040	145	.1612		1211	.6080	243	.1616		1188					
7			.1880		1213			.1885		1190					
8			.2149		1215			.2154		1193					
9			.2417		1216			.2424		1194					
10			.2686		1217			.2693		1196					
11			.2955		1219			.2962		1196					
12			.3223		1220			.3232		1198					
13			.3492		1220			.3501		1199					
14			.3760		1221			.3770		1200					
15			.4030		1221			.4040		1201					
Reading Interval	5		4			15		4							Minutes

REMARKS:

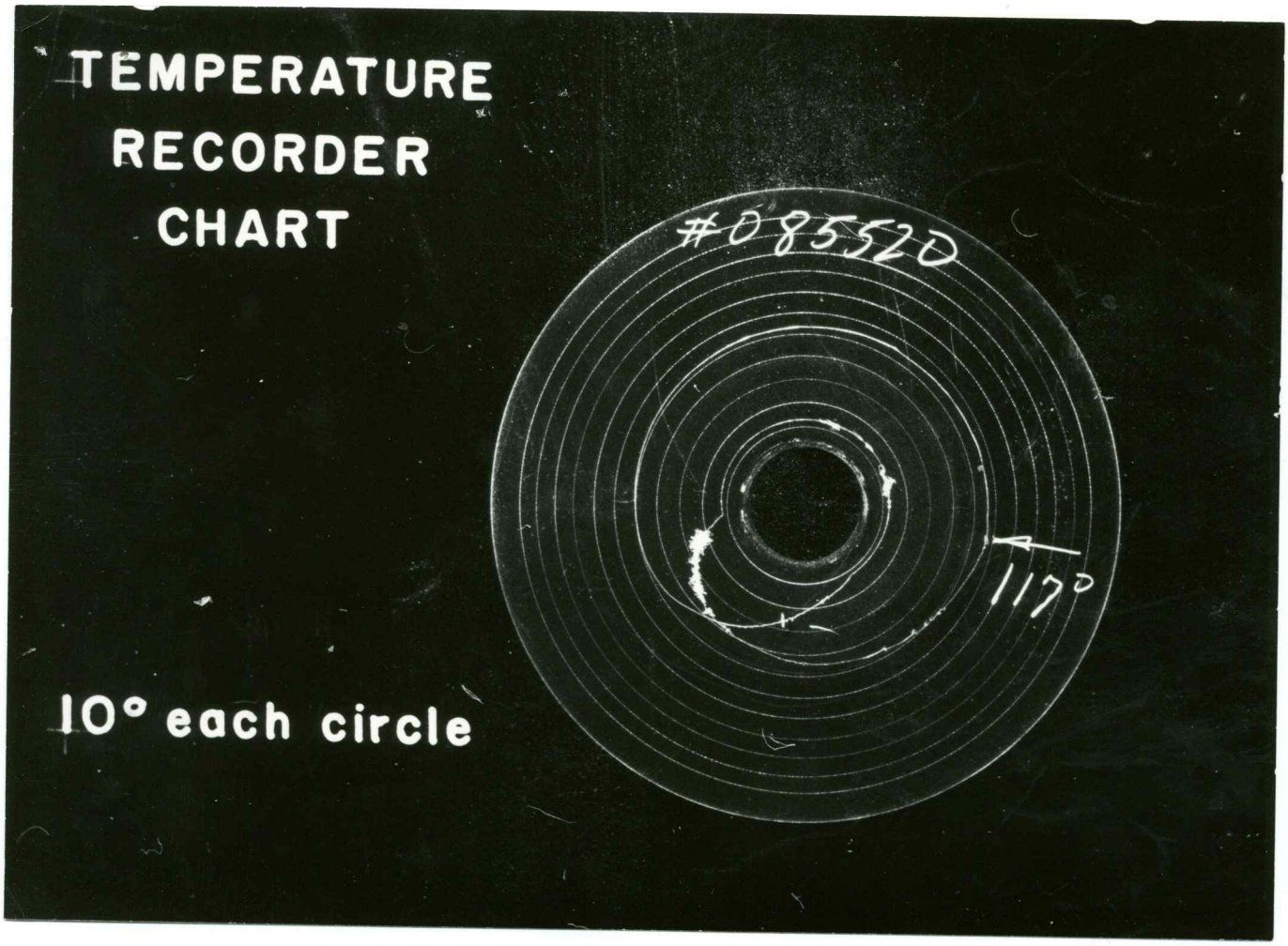
SPECIAL PRESSURE DATA

TICKET NO. 085520

	O. D.	I. D.	LENGTH	DEPTH
Drill Pipe or Tubing				
Reversing Sub	5.75"	2.75"	1'	4019'
Water Cushion Valve				
Drill Pipe	4 1/2"	3.826"	3835'	
Drill Collars		2.25"	305'	
Handling Sub & Choke Assembly				
Dual CIP Valve	5"	.87"	5'	4139'
Dual CIP Sampler				
Hydro-Spring Tester	5"	.75"	5'	4144'
Multiple CIP Sampler				
Extension Joint				
AP Running Case	5"	2.25"	5'	4150'
Hydraulic Jar				
VR Safety Joint	5"	1"	3'	
Pressure Equalizing Crossover				
Packer Assembly	6.75"	1.53"	6'	4162'
Distributor				
Packer Assembly	6.75"	1.53"	4'	4168'
Flush Joint Anchor				
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	5"	2.37"	43'	
Ht-500	5"	3.06"	1'	4211'
Blanked-Off B.T. Running Case	5"	2.44"	4'	4212'
Total Depth				4216'



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


TEMPERATURE
RECORDER
CHART
#085520
1170
10° each circle

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 9.6 vis 72 SEC

Date	3-15-77	Ticket Number	085521
Kind of Job	STRADDLE TEST OPEN HOLE	Halliburton District	HAYS
Tester	NUTTING & MONDERO	Witness	JONES
Drilling Contractor	STOEPPELWERTH DRILLING COMPANY		

EQUIPMENT & HOLE DATA

Formation Tested	Lower Kansas City	
Elevation	3111'	Ft.
Net Productive Interval	6'	Ft.
All Depths Measured From	Kelly Bushing	
Total Depth	4300'	Ft.
Main Hole/Casing Size	7 7/8"	
Drill Collar Length	243' I.D. 2.25"	
Drill Pipe Length	3891' I.D. 3.826"	
Packer Depth(s)	4161' - 4213'	Ft.
Depth Tester Valve	4140'	Ft.

Cushion TYPE	AMOUNT	Ft.	Depth Back Pres. Valve	Surface Choke	Bottom Choke
	NONE		NONE	.25"	.75"

Recovered 315' Feet of salty drilling mud - no show
Recovered 315' Feet of muddy salt water
Recovered Feet of
Recovered Feet of
Recovered Feet of

Mea. From Tester Valve

Remarks SEE PRODUCTION TEST DATA SHEET...

UTR = UNABLE TO READ..

TEMPERATURE	Gauge No. 7342 Depth: 4146' Ft.	Gauge No. 7341 Depth: 4205' Ft.	Gauge No. 5575 Depth: 4296' Ft.	TIME
	12 Hour Clock	12 Hour Clock	12 Hour Clock	Tool Opened 0910 A.M. P.M.
Est. °F.	Blanked Off NO	Blanked Off NO	Blanked Off YES	
4295' @ Actual 122 °F.	Pressures	Pressures	Pressures	Opened A.M. Bypass 1615 P.M.

		Field	Office	Field	Office	Field	Office	Reported Minutes	Computed Minutes
Initial Hydrostatic		-	2041	2168	2083	-	2125		
First Period	Flow Initial	-	7	37	39	-	-	———	———
	Flow Final	-	192	205	218	-	-	120	120
	Closed in	-	1168	1194	1195	-	-	60	60
Second Period	Flow Initial	-	196	215	223	-	-	———	———
	Flow Final	-	294	317	323	-	-	120	125
	Closed in	-	1152	1166	1181	HYDROSTATIC 1487		60	55
Third Period	Flow Initial					RELEASE:		———	———
	Flow Final								
	Closed in								
Final Hydrostatic		-	UTR	2149	2062	-	UTR	———	———

Legal Location Sec.-Twp.-Rng. 22 - 15 - 34W E SW - SE
Lease Name KUNDYSEK
Well No. 1
Test No. 4
Tested Interval 4161' - 4213'
Field Area CHEOY
County RAWLINS
State KANSAS
Lease Owner/Company Name PETROLEUM, INCORPORATED

FORM 181-R1—PRINTED IN U.S.A.

FORMATION TEST DATA

LITTLE'S 96671 10M 8/74

Casing perfs._____ Bottom choke_____ Surf. temp._____ °F Ticket No. 085521

Gas gravity_____ Oil gravity_____ GOR_____

Spec. gravity_____ Chlorides_____ ppm Res._____ @_____ °F

INDICATE TYPE AND SIZE OF GAS MEASURING DEVICE USED_____

Date Time a.m. p.m.	Choke Size	Surface Pressure psi	Gas Rate MCF	Liquid Rate BPD	Remarks
2000					Called for DST # 4
0200					On location - rig circulating.
0530					Picked up the tools.
0700					Tools made up.
0715					Run in the hole.
0910					Tool opened with a very weak blow - ¼"
1110					Good blow - 6" throughout.
1110					Closed tool in.
1210					Reopened tool with a very weak blow -¼"
1410					Weak blow - 1½"
1410					Closed tool in.
1510					Started off bottom - very tight - had t
1615					jar. Off bottom.
1800					Tool in the table.
1900					Tool laid down..

FORM 182-R1—PRINTED IN U.S.A.

PRODUCTION TEST DATA

LITTLE'S 96632 5M 8/74

Gauge No.	7342	Depth	4146'	Clock No.	???	12 hour	Ticket No.	085521	

	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"	Log $\frac{t+\theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t+\theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t+\theta}{\theta}$	PSIG Temp. Corr.
0	.000	7	.000		192	.000	196	.000		294					
1	.1338	70	.0268		1111	.1672	216*	.0203		1093**					
2	.2677	120	.0536		1130	.3010	235	.0475		1115					
3	.4015	142	.0804		1140	.4347	250	.0746		1125					
4	.5353	157	.1072		1145	.5685	265	.1017		1131					
5	.6692	174	.1340		1150	.7022	279	.1289		1135					
6	.8030	192	.1608		1153	.8360	294	.1560		1139					
7			.1876		1156			.1831		1141					
8			.2144		1159			.2102		1144					
9			.2412		1160			.2374		1146					
10			.2680		1162			.2645		1147					
11			.2948		1163			.2916		1148					
12			.3216		1165			.3187		1150					
13			.3484		1166			.3459		1151					
14			.3752		1167			.3730		1152					
15			.4020		1168										

Gauge No.		7341	Depth	4205'	Clock No.	????	hour	12	

0	.000	39	.000		218	.000	223	.000		323					
1	.1330	98	.0264		1139	.1668	244*	.0199		1126**					
2	.2660	148	.0528		1159	.3002	262	.0463		1145					
3	.3990	171	.0792		1167	.4336	277	.0728		1154					
4	.5320	185	.1056		1173	.5670	293	.0993		1160					
5	.6650	201	.1320		1178	.7004	309	.1257		1164					
6	.7980	218	.1584		1181	.8340	323	.1522		1167					
7			.1848		1184			.1787		1170					
8			.2112		1186			.2052		1173					
9			.2376		1188			.2316		1174					
10			.2640		1190			.2581		1176					
11			.2904		1192			.2846		1178					
12			.3168		1193			.3110		1179					
13			.3432		1194			.3375		1180					
14			.3696		1194			.3640		1181					
15			.3960		1195										
Reading Interval		20	4			20		4							Minutes

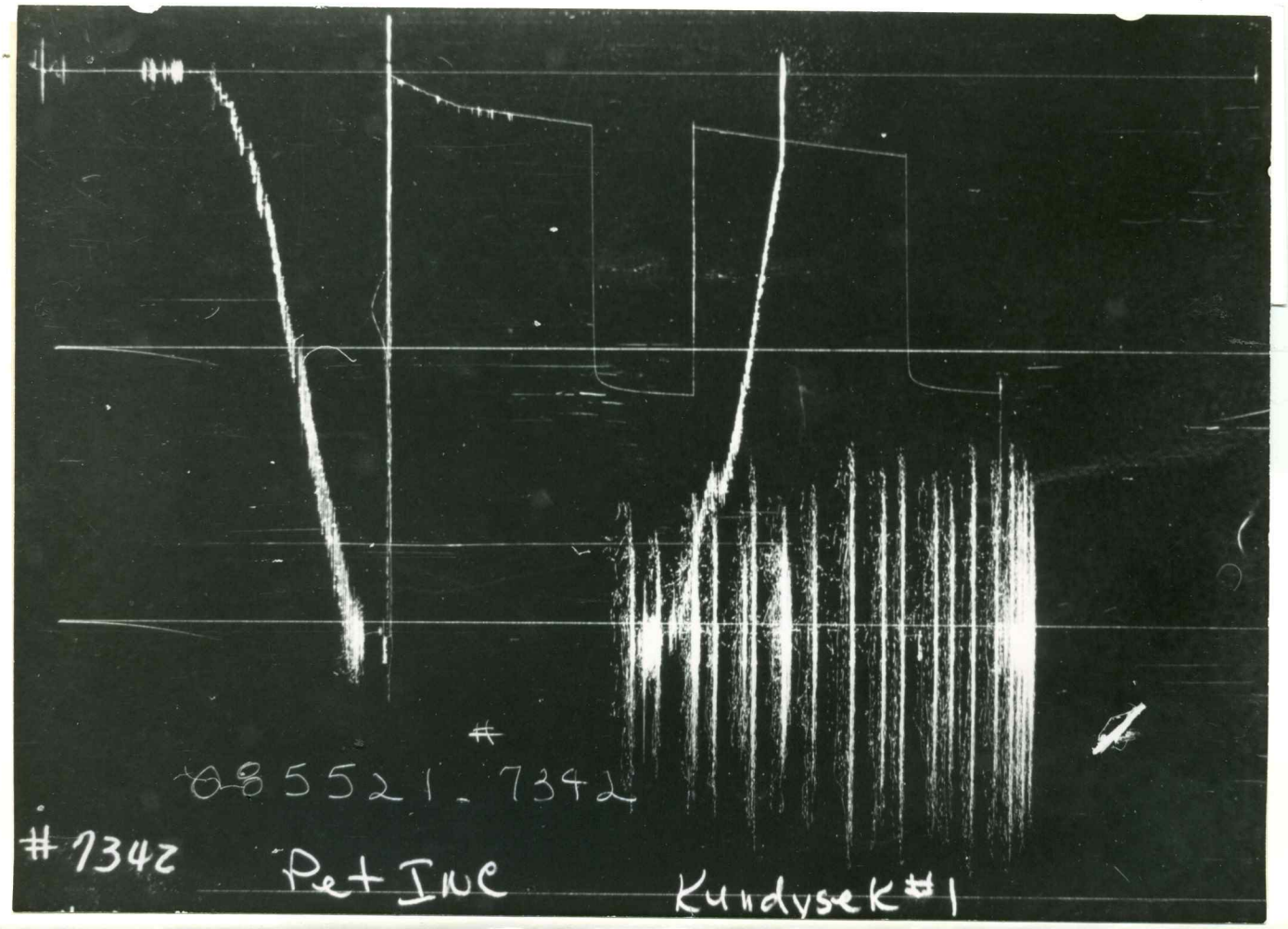
REMARKS: * INTERVAL = 25 MINUTES. ** INTERVAL = 3 MINUTES.

FORM 193 R—PRINTED IN U.S.A.

SPECIAL PRESSURE DATA

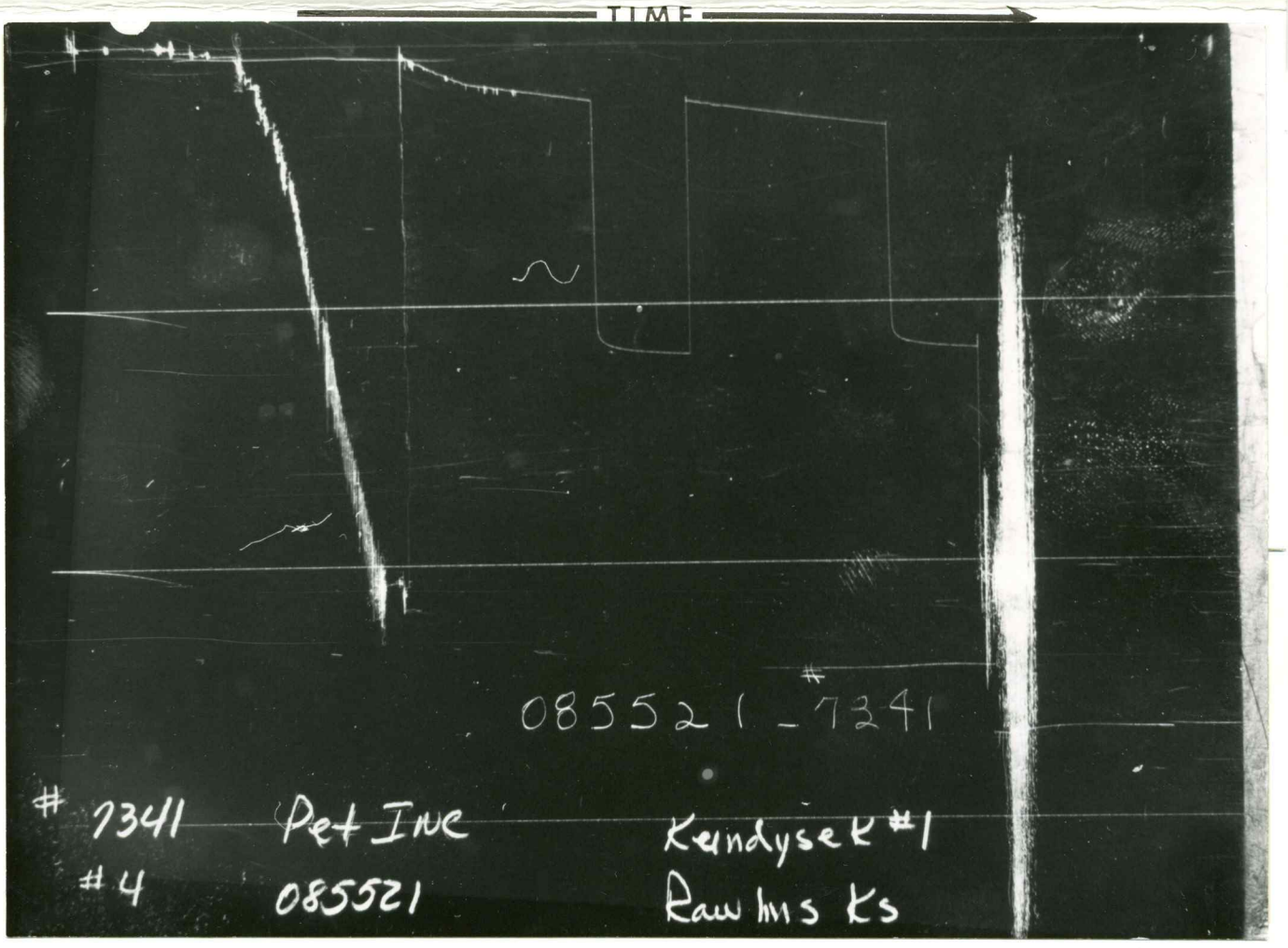
TICKET NO. 085521

	O. D.	I. D.	LENGTH	DEPTH
Drill Pipe or Tubing				
Reversing Sub	5.75"			4015'
Water Cushion Valve				
Drill Pipe	4½"	3.826"	3891'	
Drill Collars	6"	2.25"	243'	
Handling Sub & Choke Assembly				
Dual CIP Valve	5"	.87"	5'	4135'
Dual CIP Sampler				
Hydro-Spring Tester	5"	.75"	5'	4140'
Multiple CIP Sampler				
Extension Joint				
AP Running Case	5"	2.25"	4'	4146'
Hydraulic Jar	5"	1.75"	5'	
VR Safety Joint	5"	1.00"	3'	
Pressure Equalizing Crossover				
Packer Assembly	6.75"	1.53"	4'	4161'
	6.75"	1.53"	2'	
Distributor				
Packer Assembly				
Flush Joint Anchor				
Pressure Equalizing Tube				
~~Blanked-Off B.T.~~ AP Running Case				
CROSS-OVER	5"	2.75"	1'	
Drill ~~Collars~~ PIPE	4.50"	3.82"	30'	
~~Anchor Pipe Safety Joint~~ CROSS-OVER	5"	2.75"	1'	
~~Packer Assembly~~ F. J. A.	5"	2.37"	10'	
AP RUNNING CASE	5"	2.44"	4'	4205'
~~*Distributor~~ BLANK OFF	5"	2.37"	1'	
Packer Assembly	6.75"	1.53"	4'	4213'
	6.75"	1.53"	2'	
~~**********~~ Anchor Pipe Safety Joint CROSS-OVER	5.75"	2.75"	1'	
Side Wall Anchor				
Drill Collars	6"	2.25"	62'	
CROSS-OVER	5"	2.75"	1'	
Flush Joint Anchor	5"	2.37"	16'	
HT-500	5"	3.00"	1'	4295'
Blanked-Off B.T. Running Case	5"	2.44"	4'	4296'
Total Depth				4300



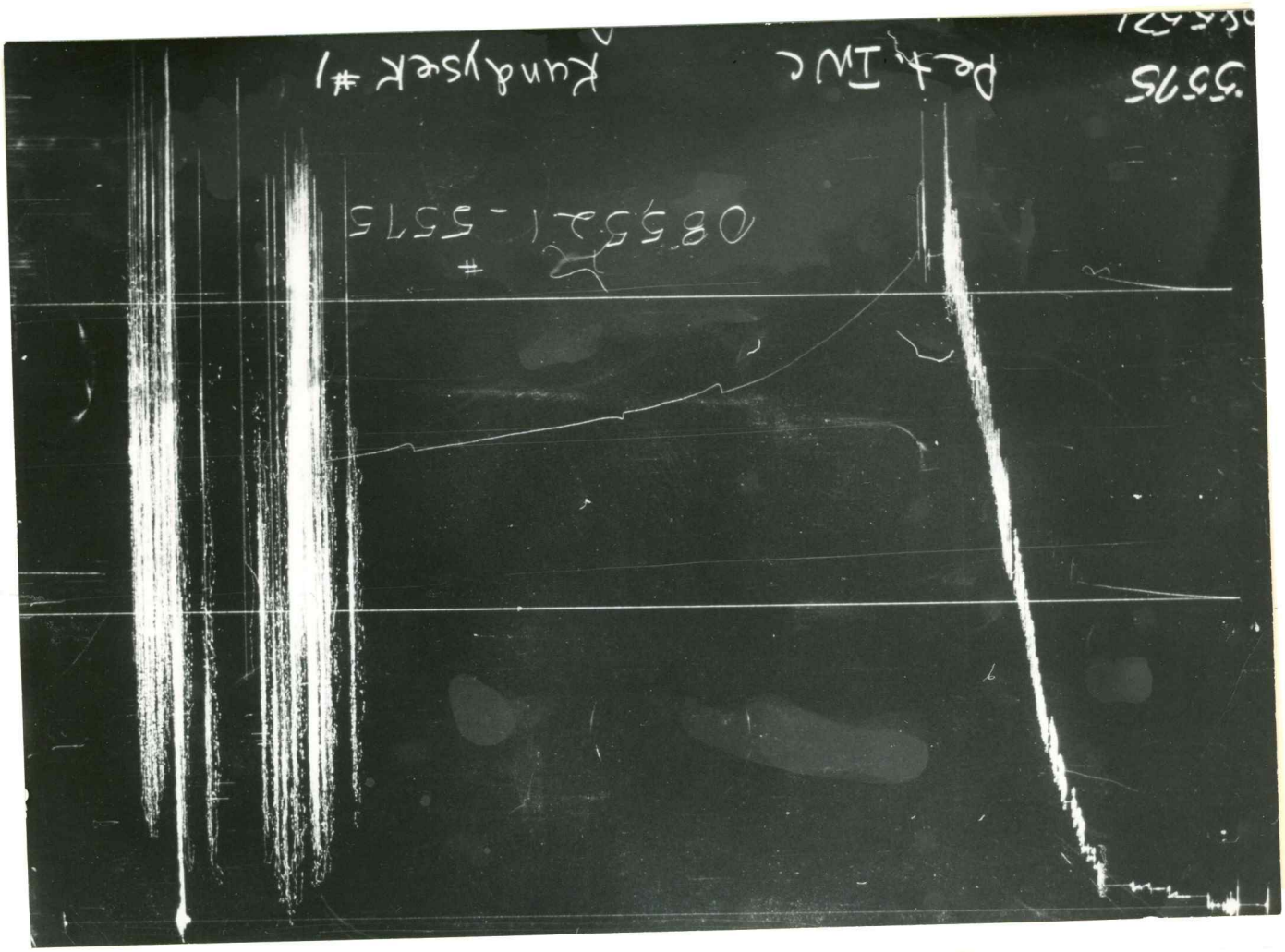
PRESSURE

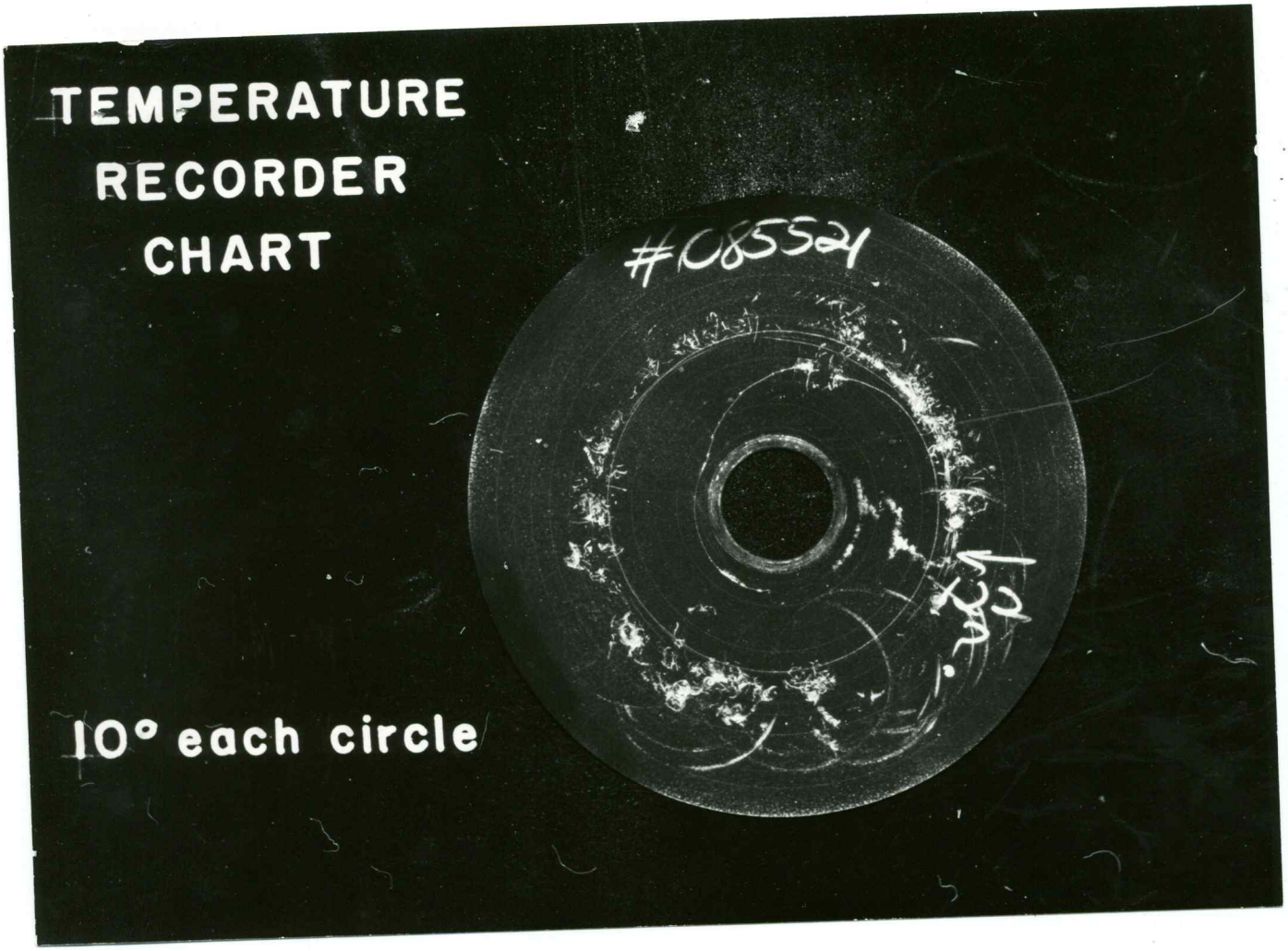
TIME



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

Formation Testing Service Report




TEMPERATURE
RECORDER
CHART
#085521
10° each circle