



Home Office: Wichita, Kansas 67201

P.O. Box 1599

(316) 262-5861

Company C. L. Morris Oil Corporation Lease & Well No. Pollock #2
 Elevation 1877 Kelly Bushing Formation Langdon Effective Pay - Ft. Ticket No. 12865
 Date 9/25/81 Sec. 8 Twp. 27S Range 12W County Pratt State Kansas
 Test Approved by Toby Elster Western Representative Karl West, Jr.

Formation Test No. 1 Interval Tested from 2747 ft. to 2834 ft. Total Depth 2834 ft.

Packer Depth 2742 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Packer Depth 2747 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 2810 ft. Recorder Number 13267 Cap 4050

Bottom Recorder Depth (Outside) 2807 ft. Recorder Number 1051 Cap 4250

Below Straddle Recorder Depth - ft. Recorder Number - Cap -

Drilling Contractor Ranco Drlg. Rig #2 Drill Collar Length 250 I. D. 2.26 in.

Mud Type chemical Viscosity 30 Weight Pipe Length - I. D. - in.

Weight 9.6 Water Loss 72.0 cc. Drill Pipe Length 2629 I. D. 3.8 in.

Chlorides 62,000 P.P.M. Test Tool Length 28 ft. Tool Size 5 1/2 OD in.

Jars: Make WIC Serial Number 409 Anchor Length 87 ft. Size 5 1/2 OD in.

Did Well Flow? Yes Reversed Out No Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.

Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 X Hole in.

Blow: Initial flow period strong blow. Gas to surface in twenty minutes. See attached sheet for gas measurements.

Recovered 375 ft. of muddy salt water 59,000 ppm chlorides

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks: Tight hole ;slow loss of fluids throughout test. Muddy mist flowing for last ten minutes of final flow period. Read bottom recorder. Hung tool 180 minutes waiting for a crew to pull DST.

Time Set Packer(s) 7:45 ~~A.M.~~ P.M. Time Started Off Bottom 11:30 ~~A.M.~~ P.M. Maximum Temperature 116°

Initial Hydrostatic Pressure (A) 1388 P.S.I.
 Initial Flow Period Minutes 60 (B) 209 P.S.I. to (C) 211 P.S.I.
 Initial Closed In Period Minutes 60 (D) 988 P.S.I.
 Final Flow Period Minutes 45 (E) 237 P.S.I. to (F) 253 P.S.I.
 Final Closed In Period Minutes 63 (G) 977 P.S.I.
 Final Hydrostatic Pressure (H) 1309 P.S.I.

WESTERN TESTING CO., INC.
Pressure Data

Date 9/25/81

Test Ticket No. 12865

Recorder No. 1051 Capacity 4250

Location 2807 Ft.

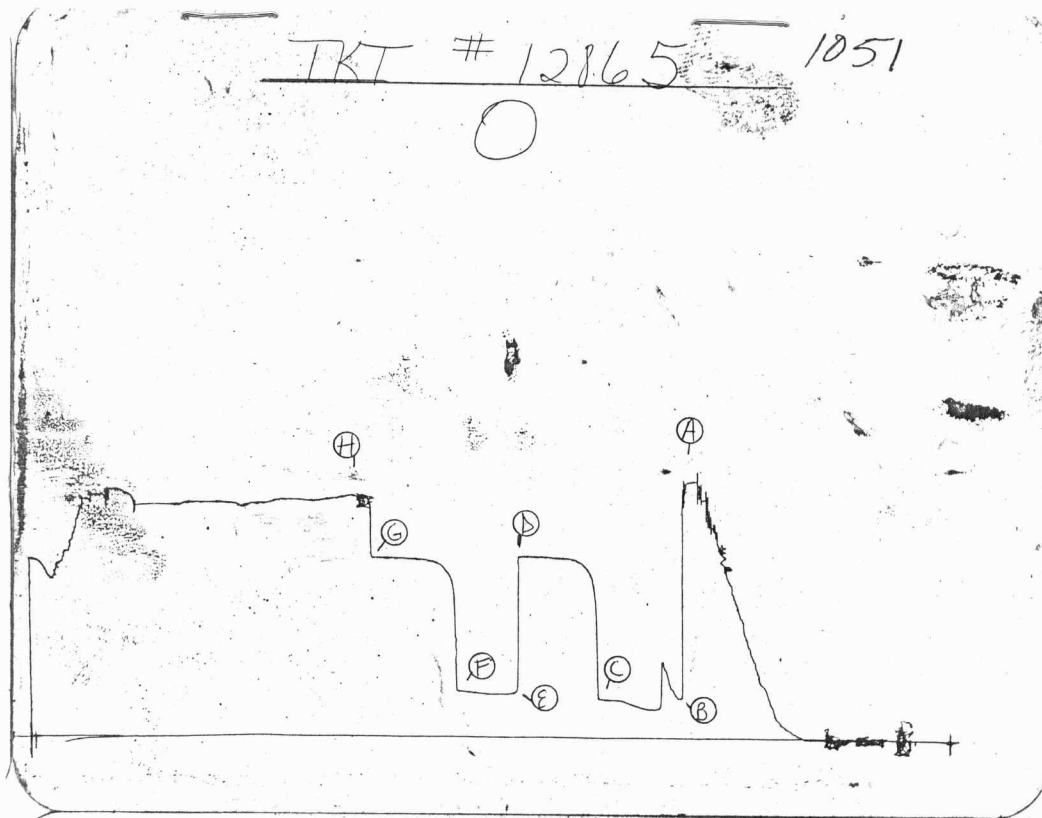
Clock No. - Elevation 1877 Kelly Bushing

Well Temperature 116 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1388	P.S.I.	7:45P	M
B First Initial Flow Pressure	209	P.S.I.	60	Mins. 60 Mins.
C First Final Flow Pressure	211	P.S.I.	60	Mins. 60 Mins.
D Initial Closed-in Pressure	988	P.S.I.	45	Mins. 45 Mins.
E Second Initial Flow Pressure	237	P.S.I.	60	Mins. 63 Mins.
F Second Final Flow Pressure	253	P.S.I.		
G Final Closed-in Pressure	977	P.S.I.		
H Final Hydrostatic Mud	1309	P.S.I.		

PRESSURE BREAKDOWN

Point Mins.	First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
	Breakdown:	Inc.	Breakdown:	Inc.	Breakdown:	Inc.	Breakdown:	Inc.
	of <u>5</u> mins. and a		of <u>3</u> mins. and a		of <u>5</u> mins. and a		of <u>3</u> mins. and a	
	final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.	
	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes
P 1	209	0	211	0	237	0	253	0
P 2	237	3	721	3	237	5	727	3
P 3	321	6	859	6	237	10	864	6
P 4	416	9	904	9	237	15	898	9
P 5	157	12	934	12	237	20	925	12
P 6	159	15	953	15	239	25	940	15
P 7	167	18	964	18	245	30	953	18
P 8	178	21	971	21	249	35	960	21
P 9	191	24	977	24	251	40	964	24
P10	204	27	978	27	253	45	966	27
P11	208	30	980	30			969	30
P12	209	33	981	33			970	33
P13	211	36	982	36			971	36
P14		39	983	39			972	39
P15		42	984	42			973	42
P16		45	985	45			974	45
P17		48	986	48			975	48
P18		51	987	51			976	51
P19		54	988	54			977	54
P20		57	988	57			977	57
		60	988	60			977	60
							977	63



This is an actual photograph of recorder chart.

POINT	PRESSURE		PSI
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	1377	1388	PSI
(B) First Initial Flow Pressure	193	209	PSI
(C) First Final Flow Pressure	182	211	PSI
(D) Initial Closed-in Pressure	974	988	PSI
(E) Second Initial Flow Pressure	236	237	PSI
(F) Second Final Flow Pressure	258	253	PSI
(G) Final Closed-in Pressure	963	977	PSI
(H) Final Hydrostatic Mud	1302	1309	PSI



Home Office: Wichita, Kansas 67201

P.O. Box 1599

(316) 262-5861

Company C. L. Morris Oil Corporation Lease & Well No. Pollock #2
 Elevation - Formation Lansing-Kansas City Effective Pay - Ft. Ticket No. 12382
 Date 9/30/81 Sec. 8 Twp. 27S Range 12W County Pratt State Kansas
 Test Approved by Toby Elster Western Representative Steve Eisenhour

Formation Test No. 2 Interval Tested from 3866 ft. to 3926 ft. Total Depth 3926 ft.
 Packer Depth 3861 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Packer Depth 3866 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -
 Top Recorder Depth (Inside) 3913 ft. Recorder Number 1564 Cap. 3150
 Bottom Recorder Depth (Outside) 3916 ft. Recorder Number 4331 Cap. 4150
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -
 Drilling Contractor Ramco Drilling Rig #2 Drill Collar Length 253 I. D. 2.75 in.
 Mud Type Starch Viscosity 40 Weight Pipe Length - I. D. - in.
 Weight 9.9 Water Loss 16.0 cc. Drill Pipe Length 3592 I. D. 3.8 in.
 Chlorides 50,000 P.P.M. Test Tool Length 21 ft. Tool Size 5 1/2 OD in.
 Jars: Make No Serial Number No Anchor Length 31 DP +29 ft. Size 5 1/2 OD in.
 Did Well Flow? No Reversed Out No Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.
 Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 XH in.

Blow: Fair to strong blow throughout test.

Recovered 434 ft. of gassy muddy water

Recovered - ft. of Chlorides 84,000 PPM

Recovered - ft. of -

Recovered - ft. of -

Recovered - ft. of -

Remarks:

Time Set Packer(s) 7:15 ~~A.M.~~ P.M. Time Started Off Bottom 11:15 ~~A.M.~~ P.M. Maximum Temperature 126
 Initial Hydrostatic Pressure (A) 2083 P.S.I.
 Initial Flow Period Minutes 60 (B) 105 P.S.I. to (C) 200 P.S.I.
 Initial Closed In Period Minutes 60 (D) 709 P.S.I.
 Final Flow Period Minutes 60 (E) 220 P.S.I. to (F) 245 P.S.I.
 Final Closed In Period Minutes 54 (G) 536 P.S.I.
 Final Hydrostatic Pressure (H) 2060 P.S.I.

WESTERN TESTING CO., INC.
Pressure Data

Date 9/30/81 Test Ticket No. 12382
 Recorder No. 1564 Capacity 3150 Location 3913 Ft.
 Clock No. - Elevation - Well Temperature 126 °F
 Point Pressure Time Given Time Computed
 A Initial Hydrostatic Mud 2083 P.S.I. Open Tool 7:15P M
 B First Initial Flow Pressure 105 P.S.I. First Flow Pressure 60 Mins. 60 Mins.
 C First Final Flow Pressure 200 P.S.I. Initial Closed-in Pressure 60 Mins. 60 Mins.
 D Initial Closed-in Pressure 709 P.S.I. Second Flow Pressure 60 Mins. 60 Mins.
 E Second Initial Flow Pressure 220 P.S.I. Final Closed-in Pressure 60 Mins. 54 Mins.
 F Second Final Flow Pressure 245 P.S.I.
 G Final Closed-in Pressure 536 P.S.I.
 H Final Hydrostatic Mud 2060 P.S.I.

PRESSURE BREAKDOWN

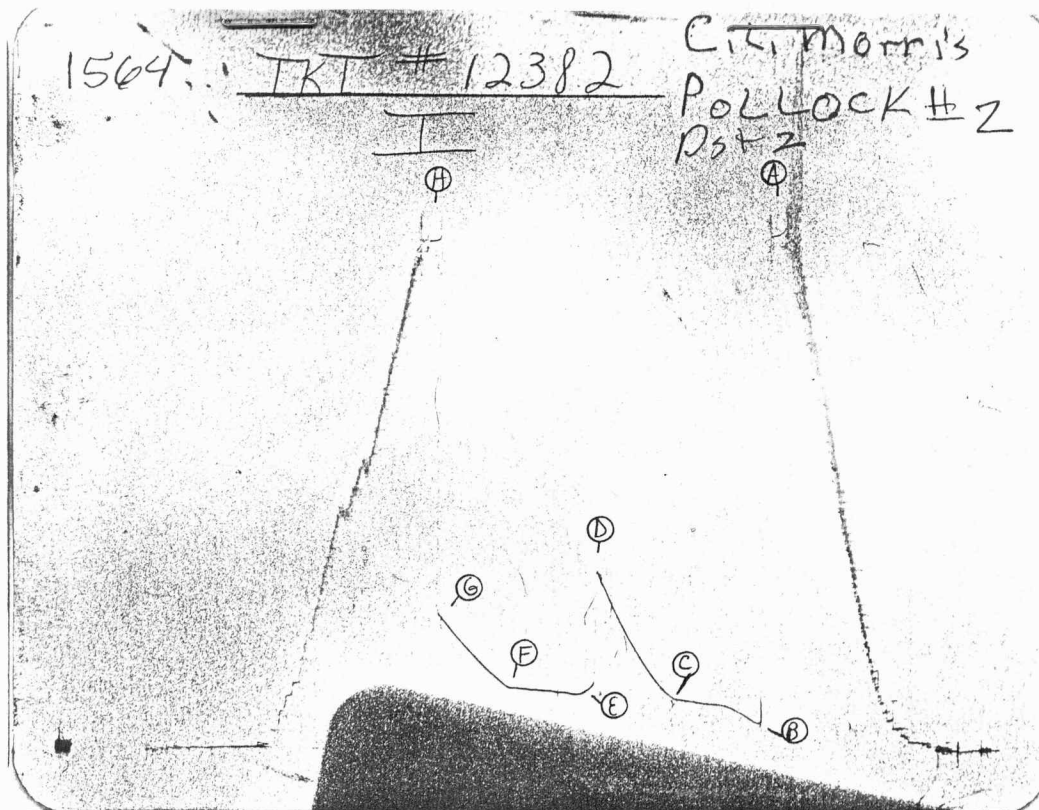
First Flow Pressure
 Breakdown: 12 Inc.
 of 5 mins. and a
 final inc. of 0 Min.

Initial Shut-In
 Breakdown: 20 Inc.
 of 3 mins. and a
 final inc. of 0 Min.

Second Flow Pressure
 Breakdown: 12 Inc.
 of 5 mins. and a
 final inc. of 0 Min.

Final Shut-In
 Breakdown: 18 Inc.
 of 3 mins. and a
 final inc. of 0 Min.

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>105</u>	<u>0</u>	<u>200</u>	<u>0</u>	<u>220</u>	<u>0</u>	<u>245</u>
P 2 <u>5</u>	<u>112</u>	<u>3</u>	<u>207</u>	<u>5</u>	<u>220</u>	<u>3</u>	<u>248</u>
P 3 <u>10</u>	<u>128</u>	<u>6</u>	<u>222</u>	<u>10</u>	<u>220</u>	<u>6</u>	<u>258</u>
P 4 <u>15</u>	<u>144</u>	<u>9</u>	<u>236</u>	<u>15</u>	<u>220</u>	<u>9</u>	<u>273</u>
P 5 <u>20</u>	<u>160</u>	<u>12</u>	<u>254</u>	<u>20</u>	<u>226</u>	<u>12</u>	<u>287</u>
P 6 <u>25</u>	<u>172</u>	<u>15</u>	<u>275</u>	<u>25</u>	<u>228</u>	<u>15</u>	<u>301</u>
P 7 <u>30</u>	<u>179</u>	<u>18</u>	<u>297</u>	<u>30</u>	<u>232</u>	<u>18</u>	<u>315</u>
P 8 <u>35</u>	<u>181</u>	<u>21</u>	<u>320</u>	<u>35</u>	<u>233</u>	<u>21</u>	<u>332</u>
P 9 <u>40</u>	<u>183</u>	<u>24</u>	<u>342</u>	<u>40</u>	<u>235</u>	<u>24</u>	<u>346</u>
P10 <u>45</u>	<u>186</u>	<u>27</u>	<u>367</u>	<u>45</u>	<u>236</u>	<u>27</u>	<u>364</u>
P11 <u>50</u>	<u>191</u>	<u>30</u>	<u>395</u>	<u>50</u>	<u>242</u>	<u>30</u>	<u>378</u>
P12 <u>55</u>	<u>195</u>	<u>33</u>	<u>420</u>	<u>55</u>	<u>243</u>	<u>33</u>	<u>396</u>
P13 <u>60</u>	<u>200</u>	<u>36</u>	<u>448</u>	<u>60</u>	<u>245</u>	<u>36</u>	<u>416</u>
P14		<u>39</u>	<u>478</u>			<u>39</u>	<u>435</u>
P15		<u>42</u>	<u>508</u>			<u>42</u>	<u>455</u>
P16		<u>45</u>	<u>538</u>			<u>45</u>	<u>473</u>
P17		<u>48</u>	<u>576</u>			<u>48</u>	<u>492</u>
P18		<u>51</u>	<u>615</u>			<u>51</u>	<u>512</u>
P19		<u>54</u>	<u>652</u>			<u>54</u>	<u>536</u>
P20		<u>57</u>	<u>693</u>				
		<u>60</u>	<u>709</u>				



This is an actual photograph of recorder chart.

POINT	PRESSURE		PSI
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	2064	2083	PSI
(B) First Initial Flow Pressure	100	105	PSI
(C) First Final Flow Pressure	178	200	PSI
(D) Initial Closed-in Pressure	693	709	PSI
(E) Second Initial Flow Pressure	217	220	PSI
(F) Second Final Flow Pressure	241	245	PSI
(G) Final Closed-in Pressure	514	536	PSI
(H) Final Hydrostatic Mud	2048	2060	PSI

POLLACK 2 3 4078' - 4158' C. L. MORRIS
Lease Name Well No. Test No. Tested Interval Lease Owner/Company Name
183877 LIBERAL 10-2-81 6773 6772 TEMP.
Ticket Number Camp Date Gauge Number(s)



TICKET NO. 183877 DATE 10-2-81 HALLIBURTON CAMP LIBERAL

LEASE OWNER C. L. MORRIS IC-bc

LEASE NAME POLLACK WELL NO. 2 TEST NO. 3

LEGAL LOCATION 8 - 27S - 12W FORMATION TESTED

FIELD AREA COUNTY PRATT STATE KANSAS

TYPE OF D.S.T. OPEN HOLE

TESTER(S) MR. FORWARD MR. HASS

WITNESS DRILLING CONTRACTOR RAMCO DRILLING CORPORATION

DEPTHS MEASURED FROM KELLY BUSHING CASING PERFS (FT.)

TYPE AND SIZE OF GAS MEASURING DEVICE

CUSHION DATA

TYPE AMOUNT WEIGHT (lb./gal.)

TYPE AMOUNT WEIGHT (lb./gal.)

RECOVERY (ft. or bbl.):

75' of GAS CUT MUD

FLUID PROPERTIES

SOURCE	RESISTIVITY	CHLORIDES (PPM)	SOURCE	RESISTIVITY	CHLORIDES (PPM)
TOP	.083 @ 82 °F	60,691		@ °F	
BOTTOM	.081 @ 82 °F	61,579		@ °F	
	@ °F			@ °F	

REMARKS:

NO GAS TO SURFACE

TICKET NO. 183877 DATE 10-2-81 ELEVATION (FT.) 1877'
 TOP OF TESTED INTERVAL (ft.) 4078' BOTTOM OF TESTED INTERVAL (ft.) 4158'
 NET PAY (ft.) _____ TOTAL DEPTH (ft.) 4158'
 HOLE OR CASING SIZE (in.) 7 7/8" MUD WEIGHT (lb./gal.) 9.9 VISCOSITY (sec.) 41
 SURFACE CHOKE (in.) .25" BOTTOM CHOKE (in.) .75"
 OIL GRAVITY _____ @ _____ °F GAS GRAVITY—ESTIMATED _____ ACTUAL _____

SAMPLER DATA

PRESSURE (P.S.I.) _____ CUBIC FT. OF GAS _____

C.C.'s OF OIL _____ C.C.'s OF WATER _____

C.C.'s OF MUD _____ TOTAL LIQUID C.C.'s _____

GAS/OIL RATIO (cu. ft. per bbl.)

FROM SAMPLER _____ OTHER _____

TEMPERATURE (°F)

ESTIMATE 110

ACTUAL 114

DEPTH (ft.) 4153'

H.T.-500*** THERMOMETER
 T.E. OR R.T.-7 OTHER

SERIAL NO. 3352

RECORDER AND PRESSURE DATA

CHARTS READ BY MR. FORWARD DATA APPROVED BY _____

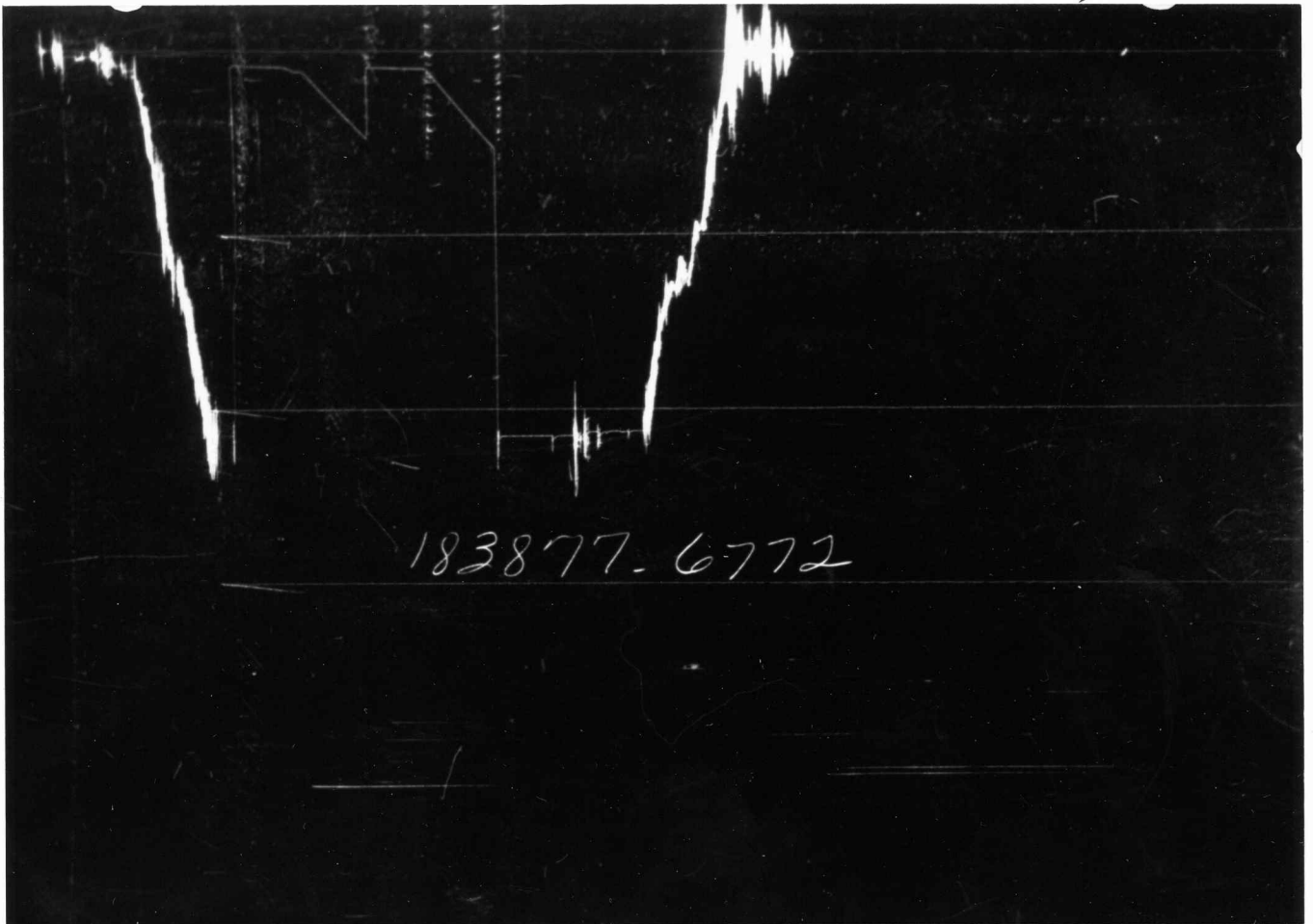
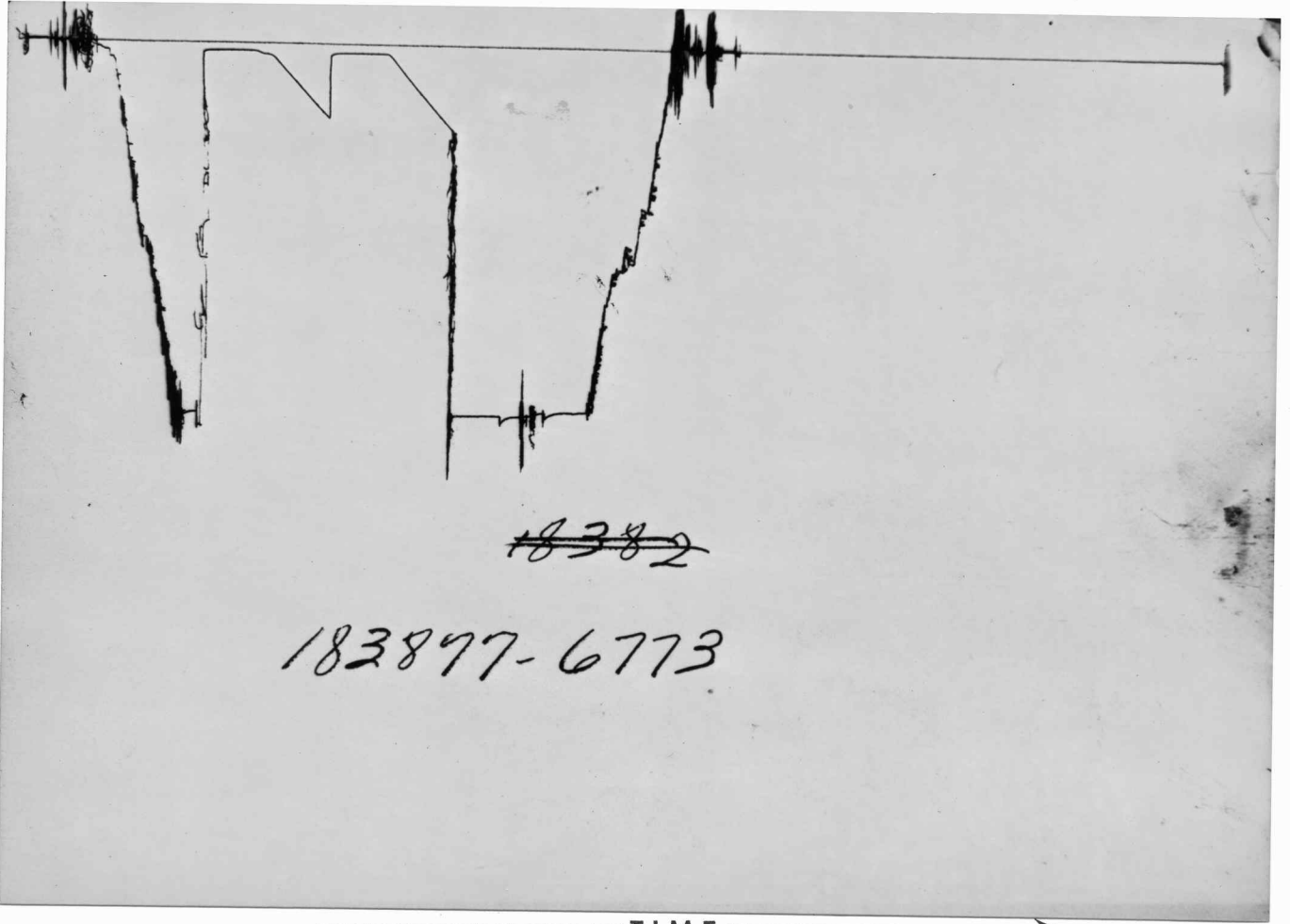
R E C O R D E R S	GAUGE NUMBER	6773	6772			TIMES (00:00-24:00 HRS.)	
	GAUGE TYPE	1	2			TOOL OPENED	2313
	GAUGE DEPTH (ft.)	4065	4155			DATE	10-2-81
	CLOCK NUMBER	17478	16768			BYPASS OPENED	0421
	CLOCK RANGE (HR.)	24	24			DATE	10-3-81
P R E S S U R E	INITIAL HYDROSTATIC	2139.8	2185.8			PERIOD	MINUTES
	INITIAL FLOW	52.8	77.9			XXX	XXX
	1st. FINAL FLOW	64.2	86.7			1st. FLOW	91
	CLOSED-IN	424.2	483.8			1st. C.I.P.	71
	INITIAL FLOW	67.1	88.2			XXX	XXX
	2nd. FINAL FLOW	52.8	95.5			2nd. FLOW	69
	CLOSED-IN	487.1	542.6			2nd. C.I.P.	77
	INITIAL FLOW					XXX	XXX
	3rd. FINAL FLOW					3rd. FLOW	
	CLOSED-IN					3rd. C.I.P.	
FINAL HYDROSTATIC	2139.8	2185.8			XXX	XXX	

Casing perms. _____ Bottom choke _____ Surf. temp _____ °F Ticket No. 183877
 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
1422						Called out
1845						On location
1700						Time requested
1930						Picked up tool
2030						Tool in rotary table
2300						Hooked up head and lines
2310						Tool on bottom
2313						Opened tool
2316						Blow off bottom of bucket
2354						Opened flow line to pit with 5/8" choke
0006						Closed flow line, flow decreased, no gas
0013						Started closing tool. Rotary table
						broken. Used chain tongs & 36' to
						rotate tool
0044						Closed tool
0144						Started opening tool
0155						Tool opened with a strong blow
0257						Started closing tool
0304						Tool closed
0421						Pulled tool off bottom. Unable to
						pull tool off bottom at 0404 due to work
						being done on draw works.
0530						Started tool out of hole
0915						Tool in rotary table
1000						Tool broke & laid down, read charts
1030						Loaded tool out
1100						JOB COMPLETED

Tool Description	O.D.	I.D.	Length	Depth
DRILL PIPE	4½"	3.826"	??	??
DRILL COLLARS	6"	2.25"	??	
REVERSING SUB	6"	2.5"	1'	4047'
XO	6"	2.5"	1'	
HANDLING SUB	4½"	3.826"	5'	
DUAL CIP VALVE	5"	.87"	5'	
HYDROSPRING TESTER	5"	.75"	5'	4063'
AP RUNNING CASE	5"	3.06"	4'	4065'
OPEN HOLE PACKER	6.75"	1.53"	6'	4072'
OPEN HOLE PACKER	6.75"	1.53"	6'	4078'
FLUSH JOINT ANCHOR	5"	2.50"	10'	
XO	6"	2.50"	1'	
DRILL COLLARS	6"	2.25"	57'	
XO	6"	2.50"	1'	
XO	6"	2.50"	1'	
FLUSH JOINT ANCHOR	5"	2.50"	3'	
HT-500	5"	-	1'	4153'
BLANKED OFF RUNNING CASE	5"	2.44"	4'	4155'
TOTAL DEPTH				4158'



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

TEMPERATURE RECORDER CHART



10° each circle

- Open Flow Potential with/Damage Removed Max. MCF/D
- OF_4 = Theoretical Open Flow Potential with/Damage Removed Min. MCF/D
- P_s = Extrapolated Static Pressure Psig.
- P_f = Final Flow Pressure Psig.
- P_{or} = Potentiometric Surface (Fresh Water *) Feet
- Q = Average Adjusted Production Rate During Test bbls/day
- Q_1 = Theoretical Production w/Damage Removed bbls/day
- Q_g = Measured Gas Production Rate MCF/D
- R = Corrected Recovery bbls
- r_w = Radius of Well Bore Feet
- t = Flow Time Minutes
- t_o = Total Flow Time Minutes
- T = Temperature Rankine °R
- Z = Compressibility Factor _____
- μ = Viscosity Gas or Liquid CP
- Log = Common Log

* Potentiometric Surface Reference to Rotary Table When Elevation Not Given, Fresh Water Corrected to 100° F.

POLLOCK _____ Well No. ~~2~~ 2 Test No. ~~4~~ 4 4242' - 4281' C. L. MORRIS OIL CORPORATION

Lease Name _____ Ticket Number 265982 Camp PRAIT Date 10-4-81 Gauge Number(s) 698 - 697 - TEMP.

5



TICKET NO. 265982 DATE 10-4-81 HALLIBURTON CAMP PRATT

LEASE OWNER C.L. MORRIS OIL CORPORATION

LEASE NAME POLLOCK WELL NO. 4 TEST NO. 2

LEGAL LOCATION 8 - 27S - 12W FORMATION TESTED SIMPSON

FIELD AREA WILDCAT COUNTY PRATT STATE KANSAS

TYPE OF D.S.T. OPEN HOLE

TESTER(S) G. BUETTGENBACH

WITNESS TOBY ELSTER DRILLING CONTRACTOR RAMCO # 2

DEPTHS MEASURED FROM KELLY BUSHING CASING PERFS (FT.) _____

TYPE AND SIZE OF GAS MEASURING DEVICE MERLA TESTER

CUSHION DATA

TYPE NONE AMOUNT _____ WEIGHT (lb./gal.) _____

TYPE _____ AMOUNT _____ WEIGHT (lb./gal.) _____

RECOVERY (ft. or bbl.):

FLUID PROPERTIES

SOURCE	RESISTIVITY	CHLORIDES (PPM)	SOURCE	RESISTIVITY	CHLORIDES (PPM)
MUD PIT	@ °F	53,000		@ °F	
	@ °F			@ °F	
	@ °F			@ °F	

REMARKS:

MISRUN... HOLE IN THE DRILL PIPE.

NO USEFUL PRESSURES OTHER THAN HYDROSTATICS.

TICKET NO. 265982 DATE 10-4-81 ELEVATION (FT.) 1877'
 TOP OF TESTED INTERVAL (ft.) 4242' BOTTOM OF TESTED INTERVAL (ft.) 4281'
 NET PAY (ft.) - TOTAL DEPTH (ft.) 4281'
 HOLE OR CASING SIZE (in.) 7 7/8" MUD WEIGHT (lb./gal.) 9.7 LOSS 18.8
 VISCOSITY (sec.) 41
 SURFACE CHOKE (in.) .25" BOTTOM CHOKE (in.) .75"
 OIL GRAVITY _____ @ _____ °F GAS GRAVITY—ESTIMATED _____ ACTUAL _____

SAMPLER DATA

PRESSURE (P.S.I.) _____ CUBIC FT. OF GAS _____

C.C.'s OF OIL _____ C.C.'s OF WATER _____

C.C.'s OF MUD _____ TOTAL LIQUID C.C.'s _____

GAS/OIL RATIO (cu. ft. per bbl.)

FROM SAMPLER _____ OTHER _____

TEMPERATURE (°F)

ESTIMATE 112

ACTUAL 119

DEPTH (ft.) 4276'

H.T.-500 ; THERMOMETER ;
 T.E. OR R.T.-7 ; OTHER

SERIAL NO. _____

RECORDER AND PRESSURE DATA

CHARTS READ BY GENE B. DATA APPROVED BY _____

R E C O R D E R S	GAUGE NUMBER	698	697			TIMES (00:00-24:00 HRS.)	
	GAUGE TYPE	1	2			TOOL OPENED	17:00
	GAUGE DEPTH (ft.)	4229'	4278'			DATE	10-4-81
	CLOCK NUMBER	17482	17480			BYPASS OPENED	20:25
	CLOCK RANGE (HR.)	12	12			DATE	10-4-81
INITIAL HYDROSTATIC	2209.4	2232.7			PERIOD	MINUTES	
INITIAL FLOW					XXX	XXX	
P R E S S U R E	1st. FINAL FLOW				1st. FLOW	52	
	CLOSED-IN				1st. C.I.P.	63	
INITIAL FLOW					XXX	XXX	
2nd. FINAL FLOW					2nd. FLOW	30	
CLOSED-IN					2nd. C.I.P.	60	
INITIAL FLOW					XXX	XXX	
3rd. FINAL FLOW					3rd. FLOW		
CLOSED-IN					3rd. C.I.P.		
FINAL HYDROSTATIC	2213.2	2226.6			XXX	XXX	

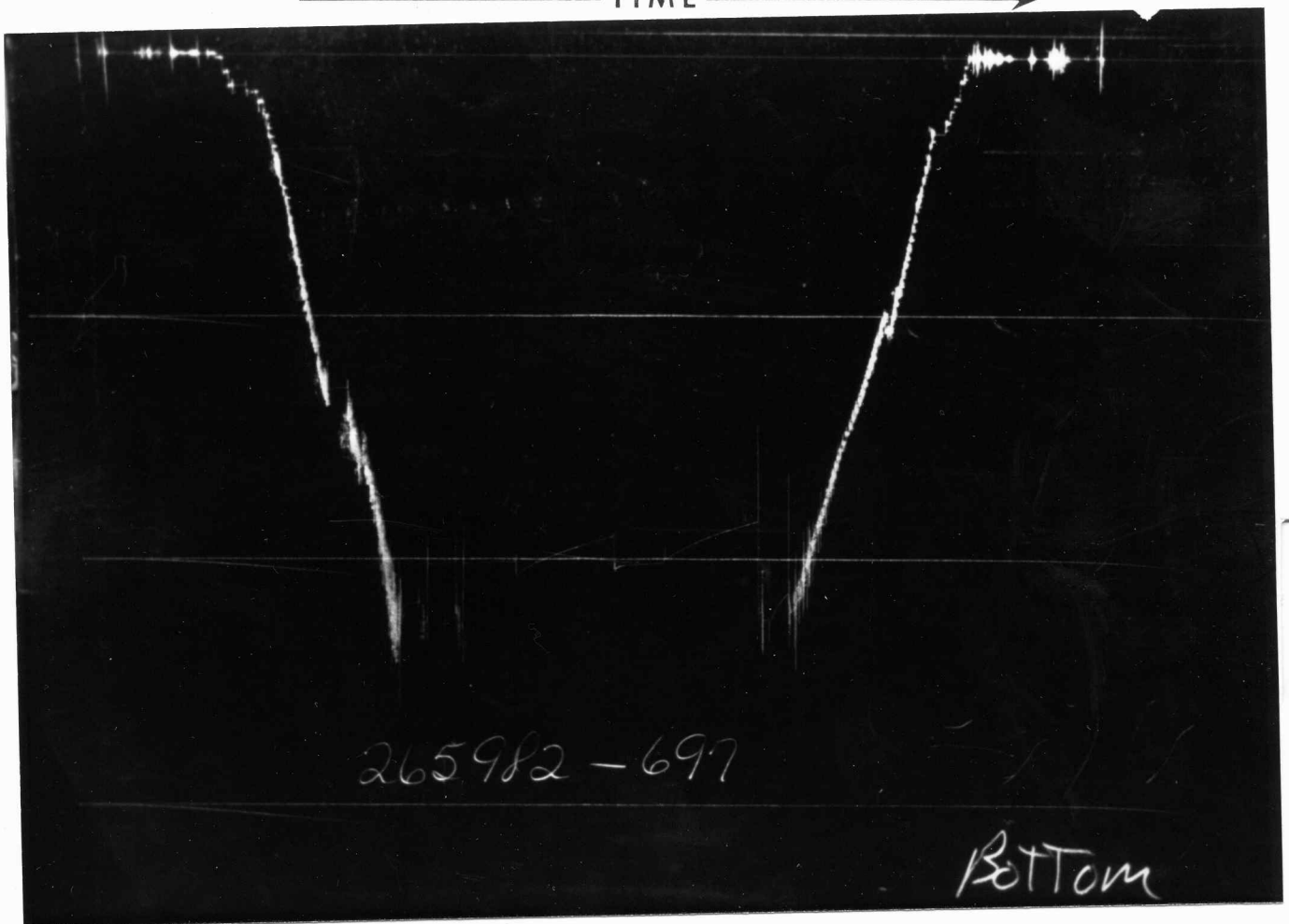
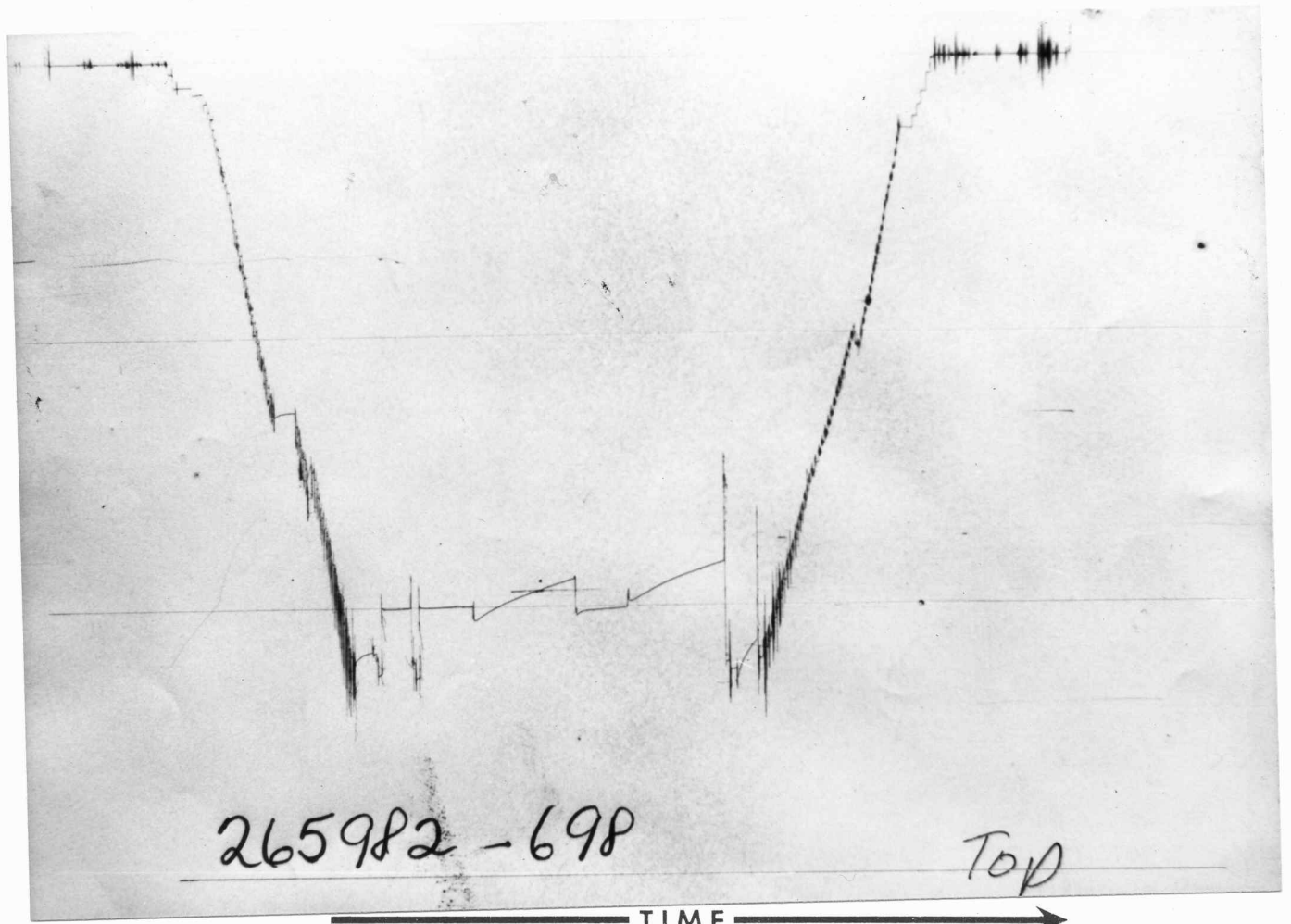
Casing perms. _____ Bottom choke _____ Surf. temp _____ °F Ticket No. 265982
 Gas gravity _____ Oil gravity _____ GOR _____
 Spec. gravity _____ Chlorides _____ ppm Res. _____ @ _____ °F

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
10:30						Received call...ready at 13:30.
12:45						Left for location.
13:10						On location-rig about 1/2 out of hole.
13:45						Started clocks.
14:00						Rig out of hole.
14:10						Picked up tool.
14:42						Tool made up and in rig-started in hole.
16:57						On bottom.
17:00						Opened tool with very weak blow.
17:10						Blow died.
17:15						Picked up tool to flush.
17:19						Flushed tool-back on bottom.
17:22						Opened tool with very weak blow that
						lasted 2 minutes and then died.
17:52						Closed tool with no blow.
18:55						Opened tool with very weak blow.
19:05						Blow died.
19:25						Closed tool with no blow.
20:25						Off bottom & bypassed open.
23:00						Back in table.
						MISRUN...HOLE IN DRILL PIPE.

<u>Tool Description</u>	<u>O.D.</u>	<u>I.D.</u>	<u>Length</u>	<u>Depth</u>
Drill Pipe	4.5"	3.826"	3964'	
Drill Collars	6.25"	2.25"	129'	
Reversing Sub	6.0"	3.0"	1'	4094'
Drill Collars	6.25"	2.25"	122'	
Double Pin Sub	6.375"	2.375"	1'	
DCIP Valve	5.75"	.87"	6'	
Hydrospring	5.0"	.75"	5'	4227'
AP Running Case	5.0"	3.06"	4'	4229'
Packer	5.06"	1.53"	6'	4236'
Packer	5.06"	1.53"	6'	4242'
Flush Joint Anchor	5.0"	2.36"	32'	
HT-500 Temp. Case	5.0"	2.25"	1'	4276'
Blanked Off BT Case	5.0"	2.44"	4'	4278'
TOTAL DEPTH				4281'

PRESSURE



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

TEMPERATURE RECORDER CHART



10° each circle

- OF_3 = Theoretical Open Flow Potential MCF/D
- OF_4 = Theoretical Open Flow Potential with/Damage Removed Min. MCF/D
- P_s = Extrapolated Static Pressure Psig.
- P_f = Final Flow Pressure Psig.
- P_{or} = Potentiometric Surface (Fresh Water *) Feet
- Q = Average Adjusted Production Rate During Test bbls/day
- Q_1 = Theoretical Production w/Damage Removed bbls/day
- Q_g = Measured Gas Production Rate MCF/D
- R = Corrected Recovery bbls
- r_w = Radius of Well Bore Feet
- t = Flow Time Minutes
- t_o = Total Flow Time Minutes
- T = Temperature Rankine °R
- Z = Compressibility Factor —
- μ = Viscosity Gas or Liquid CP
- Log** = Common Log

* Potentiometric Surface Reference to Rotary Table When Elevation Not Given, Fresh Water Corrected to 100° F.

POLLOCK _____ Well No. 2 Test No. 5 _____ Tested Interval 4241'-4281' _____ Lease Owner/Company Name C. L. MORRIS OIL CORPORATION

265983 _____ Ticket Number PRATT _____ Camp _____ Date 10-5-81 _____ Gauge Number(s) 698-697-TEMP



TICKET NO. 265983 DATE 10-5-81 HALLIBURTON CAMP PRATT
 LEASE OWNER C. L. MORRIS OIL CORPORATION BJ-dr
 LEASE NAME POLLOCK WELL NO. 2 TEST NO. 5
 LEGAL LOCATION 8-27-S-12W FORMATION TESTED SIMPSON
 FIELD AREA WILDCAT COUNTY PRATT STATE KANSAS
 TYPE OF D.S.T. OPEN HOLE
 TESTER(S) G. BUETTGENBACH
 WITNESS TOBY ELSTER DRILLING CONTRACTOR RAMCO # 2
 DEPTHS MEASURED FROM KELLY BUSHING CASING PERFS (FT.) _____
 TYPE AND SIZE OF GAS MEASURING DEVICE MERLA TESTER

CUSHION DATA

TYPE _____ AMOUNT _____ WEIGHT (lb./gal.) _____
 TYPE _____ AMOUNT _____ WEIGHT (lb./gal.) _____

RECOVERY (ft. or bbl.):

15' of mud

FLUID PROPERTIES

SOURCE	RESISTIVITY	CHLORIDES (PPM)	SOURCE	RESISTIVITY	CHLORIDES (PPM)
Mud pit	@ °F	53,000		@ °F	
	@ °F			@ °F	
	@ °F			@ °F	

REMARKS:

SEE PRODUCTION TEST DATA SHEET....

TICKET NO. 265983 DATE 10-5-81 ELEVATION (FT.) 1877'
 TOP OF TESTED INTERVAL (ft.) 4241' BOTTOM OF TESTED INTERVAL (ft.) 4281'
 NET PAY (ft.) _____ TOTAL DEPTH (ft.) 4281'
 HOLE OR CASING SIZE (in.) 7 7/8" MUD WEIGHT (lb./gal.) 9.7 VISCOSITY (sec.) 41 Loss 18.8
 SURFACE CHOKE (in.) .25" BOTTOM CHOKE (in.) .75"
 OIL GRAVITY _____ @ _____ °F GAS GRAVITY—ESTIMATED _____ ACTUAL _____

SAMPLER DATA

PRESSURE (P.S.I.) _____ CUBIC FT. OF GAS _____
 C.C.'s OF OIL _____ C.C.'s OF WATER _____
 C.C.'s OF MUD _____ TOTAL LIQUID C.C.'s _____

TEMPERATURE (°F)

ESTIMATE 112
 ACTUAL 123
 DEPTH (ft.) 4276
 H.T.-500 THERMOMETER
 T.E. OR R.T.-7 OTHER
 SERIAL NO. 70-170

GAS/OIL RATIO (cu. ft. per bbl.)

FROM SAMPLER _____ OTHER _____

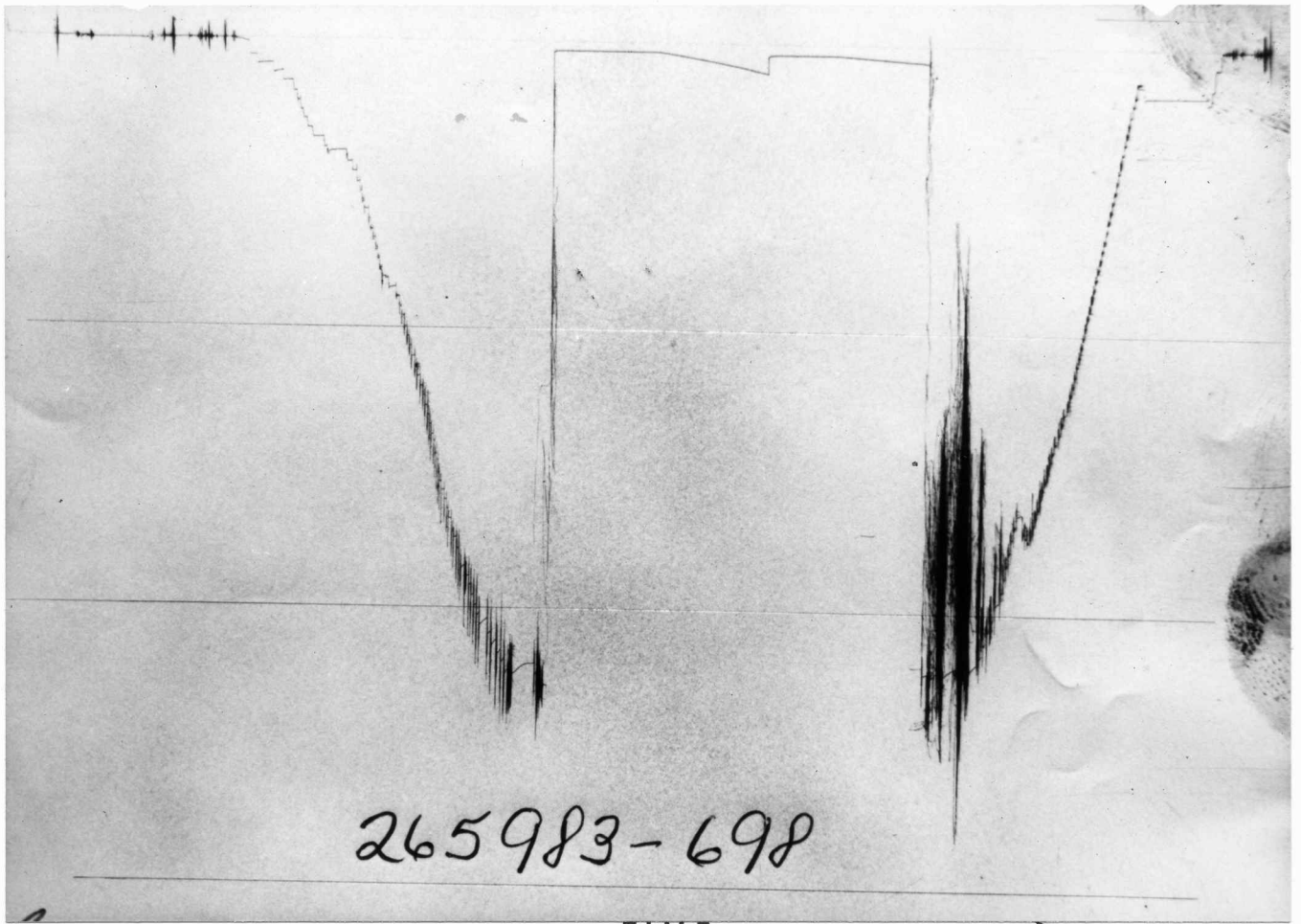
RECORDER AND PRESSURE DATA

CHARTS READ BY HARMON DATA APPROVED BY _____

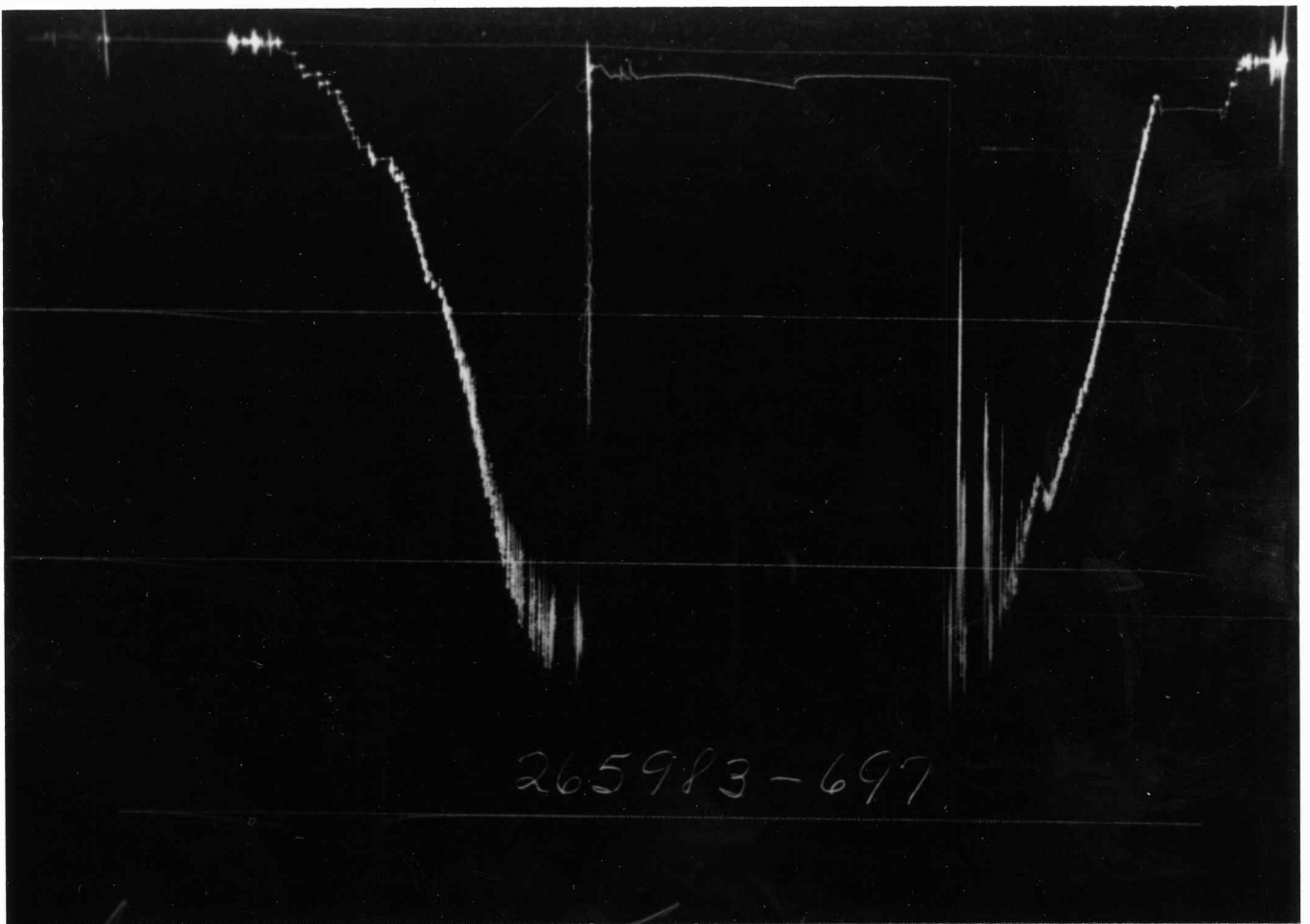
RECORDERS	GAUGE NUMBER	698	697			TIMES (00:00-24:00 HRS.)	
	GAUGE TYPE	1	2			TOOL OPENED	<u>04:50</u>
	GAUGE DEPTH (ft.)	4228	4278			DATE	<u>10-5-81</u>
	CLOCK NUMBER	17482	17480			BYPASS OPENED	<u>08:25</u>
	CLOCK RANGE (HR.)	12	12			DATE	<u>10-5-81</u>
	INITIAL HYDROSTATIC	2205.9	2228.6			PERIOD	MINUTES
	INITIAL FLOW	30.1	61.0			XXX	XXX
P	1st. FINAL FLOW	30.1	88.0			1st. FLOW	60
	CLOSED-IN	101.4	131.0			1st. C.I.P.	60
R	INITIAL FLOW	34.7	91.0			XXX	XXX
	2nd. FINAL FLOW	34.7	82.0			2nd. FLOW	35
S	CLOSED-IN	56.6	90.0			2nd. C.I.P.	60
	INITIAL FLOW					XXX	XXX
U	3rd. FINAL FLOW					3rd. FLOW	
	CLOSED-IN					3rd. C.I.P.	
E	INITIAL FLOW					XXX	XXX
	3rd. FINAL FLOW					3rd. FLOW	
S	CLOSED-IN					3rd. C.I.P.	
	FINAL HYDROSTATIC	2224.7	2243.9			XXX	XXX

Tool Description	O.D.	I.D.	Length	Depth
Drill Pipe	4 1/2"	3.826"	3963'	
Drill Collar	6.25"	2.25"	127'	
Reversing sub	6.0"	3.0"	1'	4091'
Drill Collar	6.25"	2.25 "	124'	
Double pin	6.375"	2.375"	1'	
Dual CIP	5.75 "	.87"	6'	
Hydrospring	5.0"	.75"	5'	4226'
AP Running case	5.0"	3.06"	4'	4228'
Packer	5.06"	1.53 "	6'	4235'
Packer	5.06"	1.53 "	6'	4241'
Flush Joint Anchor	5.0"	2.36 "	33'	
HT-500 Running Case	5.0"	2.25"	1'	4276'
Blanked off Running case	5.0"	2.44"	4'	4278'
Total Depth				4281'

↑ PRESSURE ↓



← TIME →



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

TEMPERATURE RECORDER CHART

#265983

← 123°

10° each circle

- OF₃ = Theoretical Open Flow Potential MCF/D
- OF₄ = Theoretical Open Flow Potential with/Damage Removed Min. MCF/D
- P_s = Extrapolated Static Pressure Psig.
- P_f = Final Flow Pressure Psig.
- P_{or} = Potentiometric Surface (Fresh Water *) Feet
- Q = Average Adjusted Production Rate During Test bbls/day
- Q₁ = Theoretical Production w/Damage Removed bbls/day
- Q_g = Measured Gas Production Rate MCF/D
- R = Corrected Recovery bbls
- r_w = Radius of Well Bore Feet
- t = Flow Time Minutes
- t_o = Total Flow Time Minutes
- T = Temperature Rankine °R
- Z = Compressibility Factor _____
- μ = Viscosity Gas or Liquid CP
- Log = Common Log

* Potentiometric Surface Reference to Rotary Table When Elevation Not Given,
Fresh Water Corrected to 100° F.

POLLOCK

2

6

4331 - 4340

C. L. MORRIS OIL CORPORATION

Lease Name

Well

No.

Test No.

Tested Interval

Lease Owner/Company Name

265316

PRATT

10-6-81

698 697

Ticket Number

Camp

Date

Gauge Number(s)

5



TICKET NO. 265316 DATE 10-6-81 HALLIBURTON CAMP PRATT

LEASE OWNER C. L. MORRIS OIL CORPORATION

LEASE NAME POLLOCK WELL NO. 2 TEST NO. 6

LEGAL LOCATION 8 - 27 - 12 FORMATION TESTED ARBUCKLE

FIELD AREA WILDCAT COUNTY PRATT STATE KANSAS

TYPE OF D.S.T. OPEN HOLE #6

TESTER(S) MR. HARMON

WITNESS MR. ELSTER DRILLING CONTRACTOR RAMCO #2

DEPTHS MEASURED FROM KELLY BUSHING CASING PERFS (FT.)

TYPE AND SIZE OF GAS MEASURING DEVICE MERLA TESTER

CUSHION DATA

TYPE AMOUNT WEIGHT (lb./gal.)

TYPE AMOUNT WEIGHT (lb./gal.)

RECOVERY (ft. or bbl.):

90' of MUDDY SALT WATER

90' of GASSY, MUDDY SALT WATER

250' of GASSY ARBUCKLE WATER

FLUID PROPERTIES

SOURCE	RESISTIVITY	CHLORIDES (PPM)	SOURCE	RESISTIVITY	CHLORIDES (PPM)
PIT RECOVERY	@ °F	58,000		@ °F	
	@ °F			@ °F	
	@ °F			@ °F	

REMARKS:

TICKET NO. 265316 DATE 10-6-81 ELEVATION (FT.) 1877'
 TOP OF TESTED INTERVAL (ft.) 4331' BOTTOM OF TESTED INTERVAL (ft.) 4340'
 NET PAY (ft.) _____ TOTAL DEPTH (ft.) _____
 HOLE OR CASING SIZE (in.) 7 7/8" MUD WEIGHT (lb./gal.) 9.8 VISCOSITY (sec.) 46
 SURFACE CHOKE (in.) .25" BOTTOM CHOKE (in.) .75"
 OIL GRAVITY _____ @ _____ °F GAS GRAVITY—ESTIMATED _____ ACTUAL _____

SAMPLER DATA

PRESSURE (P.S.I.) _____ CUBIC FT. OF GAS _____
 C.C.'s OF OIL _____ C.C.'s OF WATER _____
 C.C.'s OF MUD _____ TOTAL LIQUID C.C.'s _____

TEMPERATURE (°F)

ESTIMATE 113
 ACTUAL _____
 DEPTH (ft.) _____
 H.T.-500 ; THERMOMETER ;
 T.E. OR R.T.-7 ; OTHER
 SERIAL NO. _____

GAS/OIL RATIO (cu. ft. per bbl.)

FROM SAMPLER _____ OTHER _____

RECORDER AND PRESSURE DATA

CHARTS READ BY MR. HARMON DATA APPROVED BY _____

RECORDERS	GAUGE NUMBER	698	697			TIMES (00:00-24:00 HRS.)	
	GAUGE TYPE	1	2			TOOL OPENED	0913
	GAUGE DEPTH (ft.)	4318	4337			DATE	10-6-81
	CLOCK NUMBER	17482	17480			BYPASS OPENED	1315
	CLOCK RANGE (HR.)	12	12			DATE	10-6-81
INITIAL HYDROSTATIC	2255.1	2273.2			PERIOD	MINUTES	
	INITIAL FLOW	14.0	23.9		XXX	XXX	
P	1st. FINAL FLOW	151.7	161.5		1st. FLOW	61.5	
	CLOSED-IN	1494.3	1497.8		1st. C.I.P.	59.0	
R	INITIAL FLOW	165.9	168.3		XXX	XXX	
	2nd. FINAL FLOW	218.4	227.9		2nd. FLOW	59.4	
S	CLOSED-IN	1479.7	1482.4		2nd. C.I.P.	55.9*	
	INITIAL FLOW				XXX	XXX	
U	3rd. FINAL FLOW	*Time recorded and time reported does not agree			3rd. FLOW		
	CLOSED-IN				3rd. C.I.P.		
R	INITIAL FLOW				XXX	XXX	
	FINAL HYDROSTATIC	2252.0	2254.9		XXX	XXX	

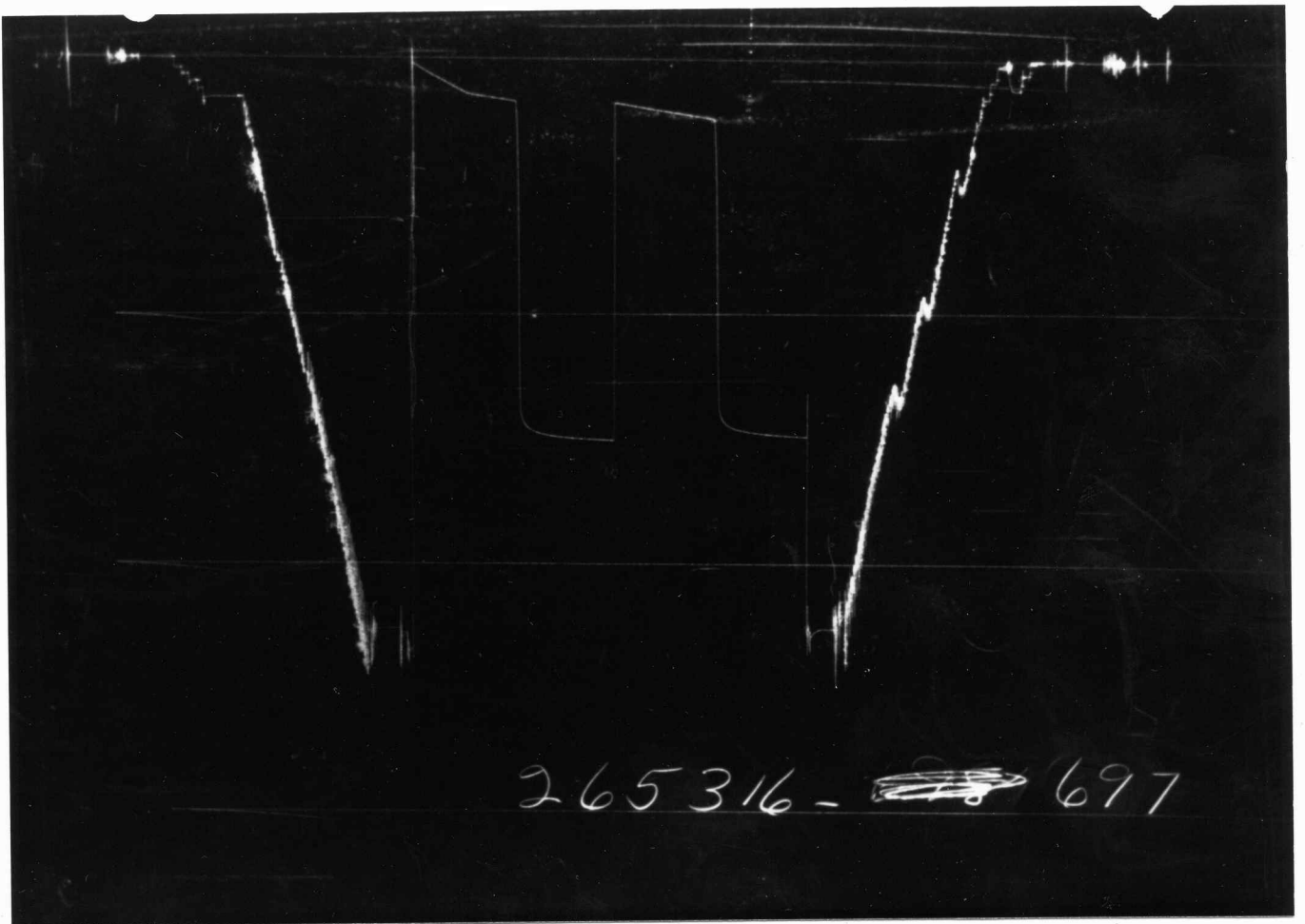
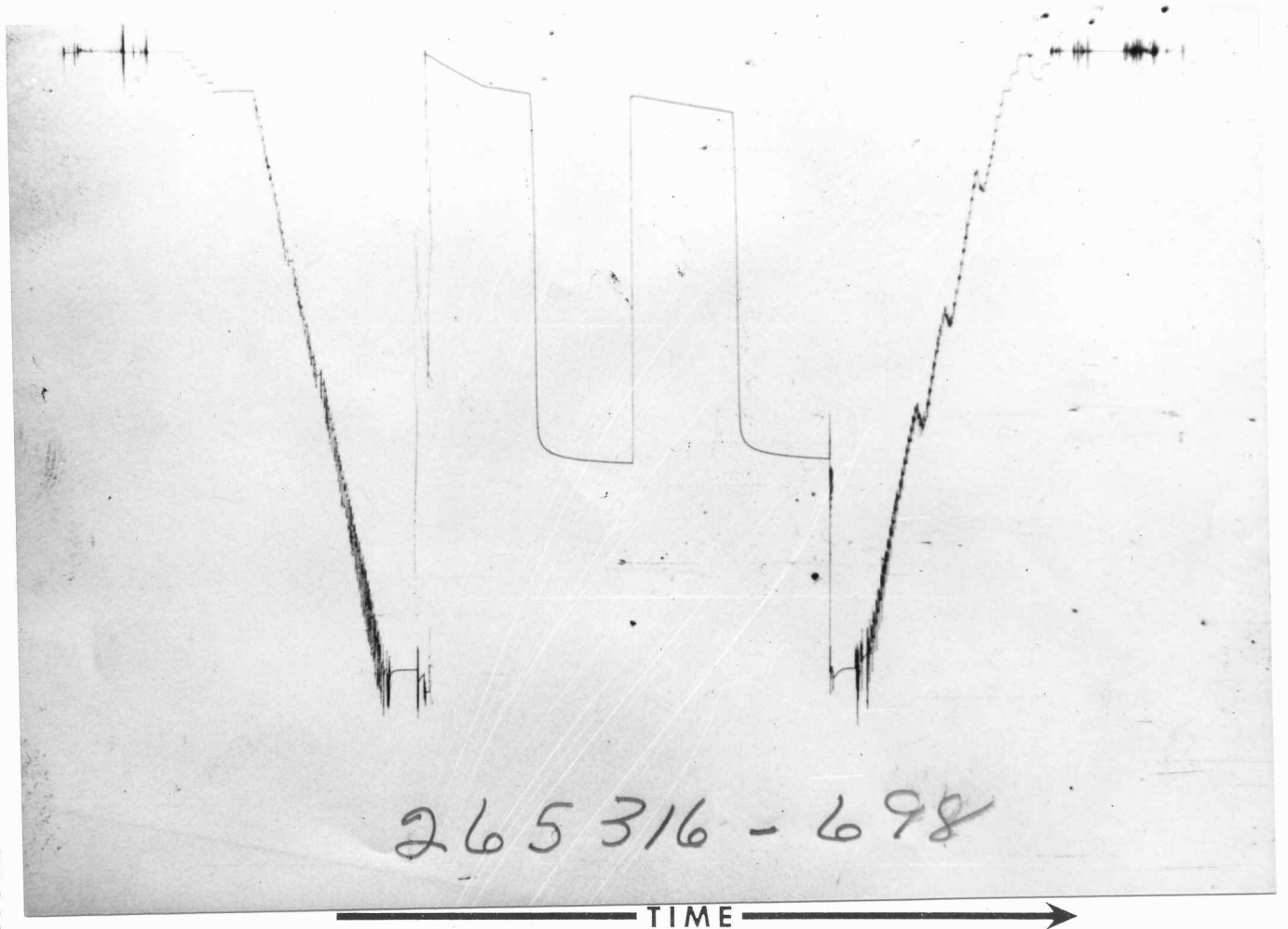
Casing perms. _____ Bottom choke _____ Surf. temp _____ °F Ticket No. **265316**
 Gas gravity _____ Oil gravity _____ GOR _____
 Spec. gravity _____ Chlorides _____ ppm Res. _____ @ _____ °F

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
0300						Called out, ready at 0430 hours
0400						On location, rig tripping out
0538						Started clocks
0610						Picked up tool
0630						Tool in table, made up
0910						Tool on bottom
0913						Tool opened with a weak blow, building to 6½" below surface
1013						Closed tool, relieved pressure
1113						Opened tool with a weak blow, building to 4" below surface
1213						Closed tool
1315						Tool off bottom, by-pass open
1536						Tool through table
						Derrick man broke his finger, loss time accident
1610						Resumed work
1700						Left location

Tool Description	O.D.	I.D.	Length	Depth
DRILL PIPE	4.5"	3.826"	4053'	
DRILL COLLARS	6"	2.25"	138'	
REVERSING SUB	6"	3"	1'	4192'
DRILL COLLARS	6"	2.25"	112'	
DOUBLE PIN XO	6.375"	2.375"	1'	
DUAL CIP VALVE	5"	.87"	6'	
HYDROSPRING TESTER	5"	.75"	5'	4316'
AP RUNNING CASE	5"	3.06"	4'	4318'
OPEN HOLE PACKER	6.75"	1.53"	6'	4325'
OPEN HOLE PACKER	6.75"	1.53"	6'	4331'
FLUSH JOINT ANCHOR	5"	2.37"	3'	
BLANKED OFF RUNNING CASE	5"	2.44"	4'	4337'
TOTAL DEPTH				4340'

PRESSURE



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

POLLACK Lease Name 2 Well No. 7 Test No. 4186' - 4224' Tested Interval C.L. MORRIS OIL CORPORATION Lease Owner/Company Name

137925 Ticket Number PRATT Camp 10-7-81 Date 1717 - 6143 - 6144 Gauge Number(s)



TICKET NO. 137925 DATE 10-7-81 HALLIBURTON CAMP PRATT
 LEASE OWNER C.L. MORRIS OIL CORPORATION BJ/pw
 LEASE NAME POLLOCK WELL NO. 2 TEST NO. 7
 LEGAL LOCATION _____ FORMATION TESTED VIOLA
 FIELD AREA _____ COUNTY PRATT STATE KANSAS
 TYPE OF D.S.T. ON BOTTOM STRADDLE
 TESTER(S) FOY PUMPHREY
 WITNESS TOBY ELSTER DRILLING CONTRACTOR RAMCO DRILLING #2
 DEPTHS MEASURED FROM KELLY BUSHING CASING PERFS (FT.) _____
 TYPE AND SIZE OF GAS MEASURING DEVICE MERLA TESTER

CUSHION DATA

TYPE _____ AMOUNT _____ WEIGHT (lb./gal.) _____
 TYPE _____ AMOUNT _____ WEIGHT (lb./gal.) _____

RECOVERY (ft. or bbl.):

920' OF GAS IN PIPE.

200' OF SLIGHTLY OIL SPECKED GAS CUT MUD.

30' OF WATERY MUD.

FLUID PROPERTIES

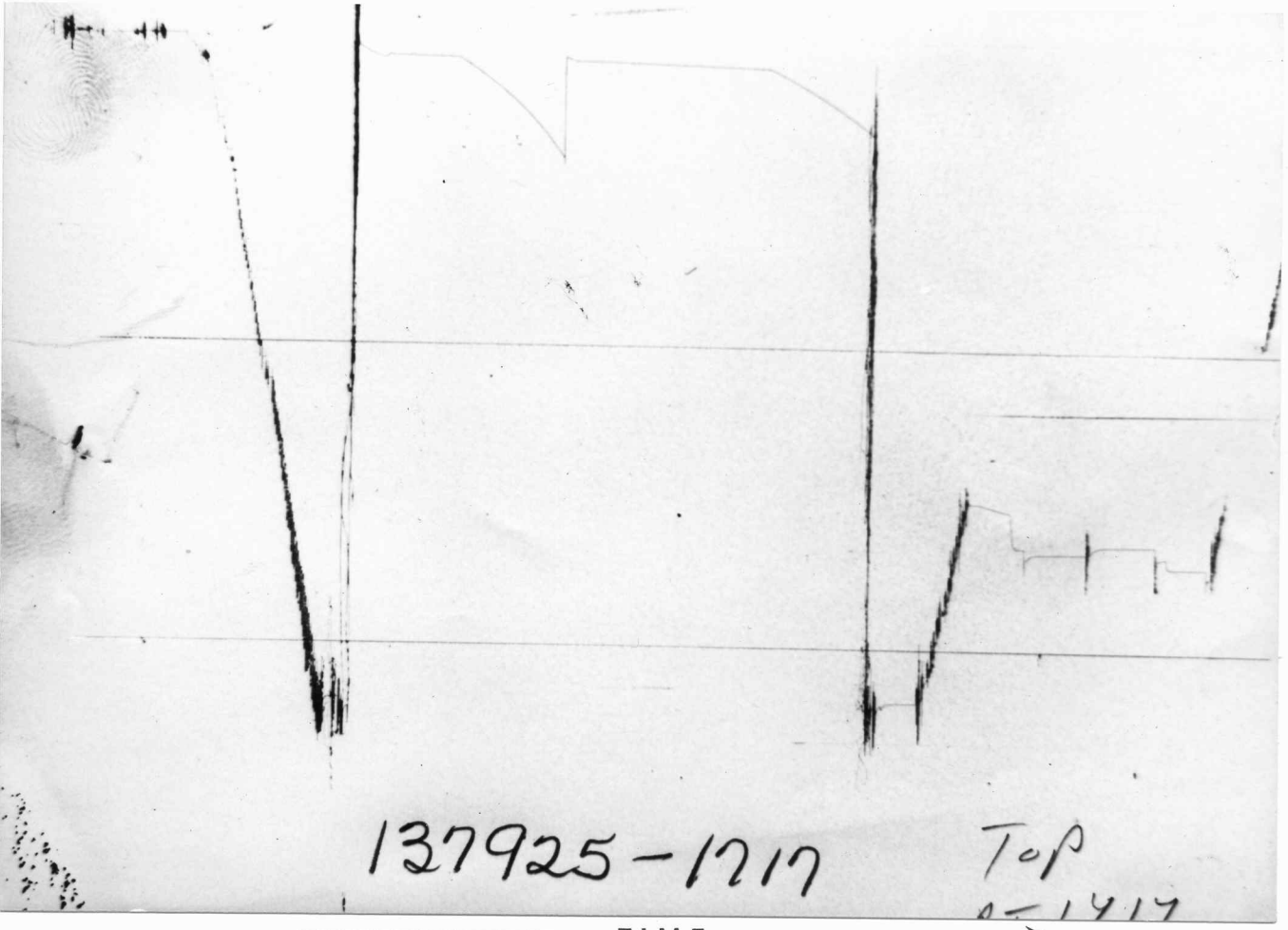
SOURCE	RESISTIVITY	CHLORIDES (PPM)	SOURCE	RESISTIVITY	CHLORIDES (PPM)
PIT	@ °F	58,000		@ °F	
	@ °F			@ °F	
	@ °F			@ °F	

REMARKS:

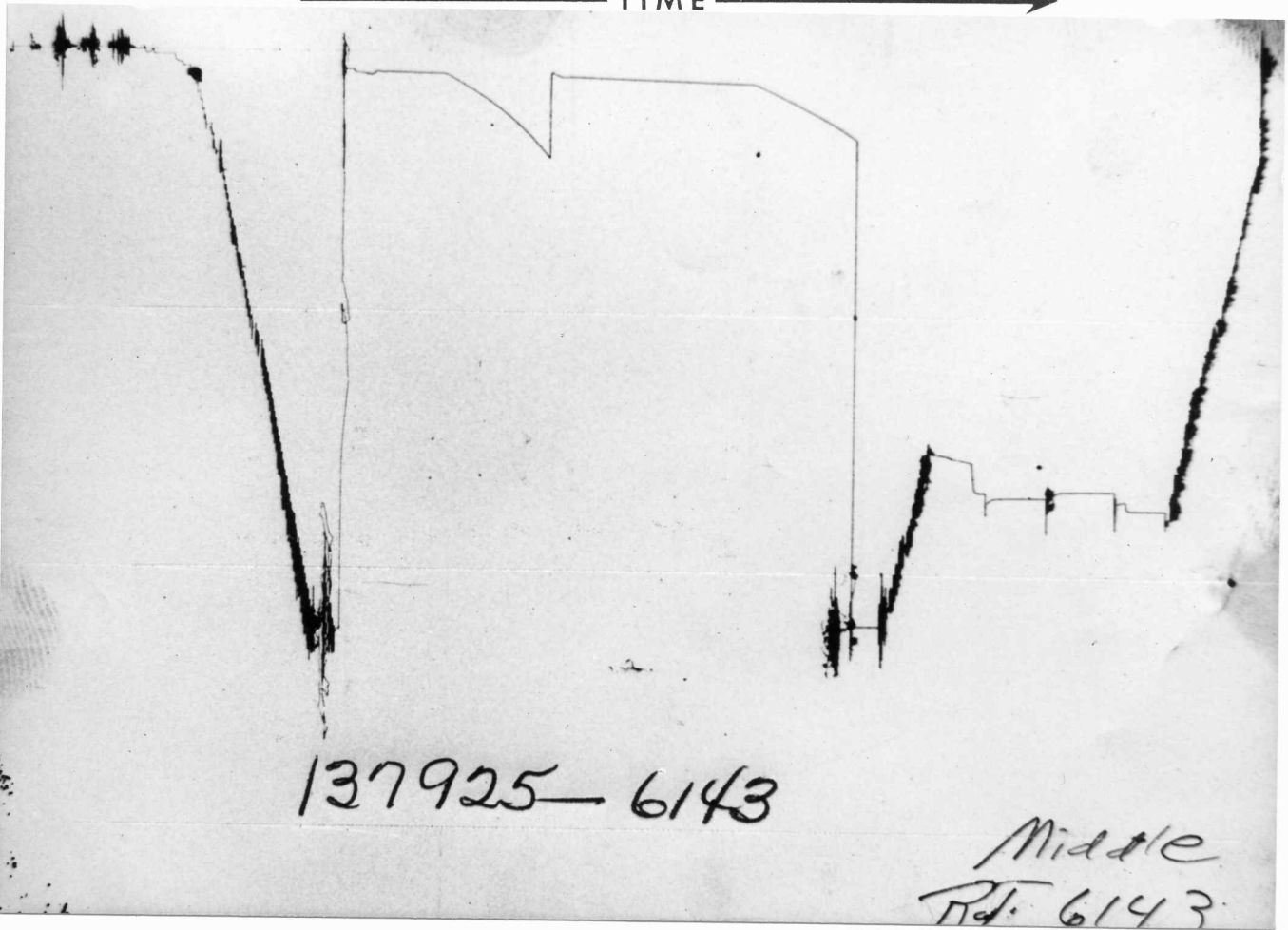
- SEE PRODUCTION TEST DATA SHEET -

Tool Description	O.D.	I.D.	Length	Depth
Drill Pipe	4.5"	3.826"	??	
Drill Collars	6.25"	2.25"	??	
Reversing Sub	5.625"	2.00"	1'	4096'
Drill Collars	6.25"	2.25"	55'	
Crossover	6.25"	2.25"	1'	
Dual CIP	5.75"	.87"	6'	
Hydrospring Tester	5.00"	.75"	5'	4162'
AP Running Case	5.00"	3.06"	4'	4164'
Big John Jars	5.00"	1.50"	5'	
V.R. Safety Jt.	5.00"	1.00"	3'	
Pressure Equalizing Crossover	5.00"		1'	
Packer	5.00"	1.53"	6'	4180'
Packer	5.00"	1.53"	6'	4186'
Flush Jt.	5.00"	2.36"	28'	
AP Running Case	5.00"	3.06"	4'	4217'
Packer	5.00"	1.53"	6'	4224'
Flush Jt.	5.00"	2.36"	6'	
Crossover	6.25"	2.25"	1'	
Drill Collars	6.25"	2.25"	143'	
Flush Jt. Anchor	5.00"	2.36"	8'	
Blanked-off B.T. Running Case	5.00"	2.44"	4'	4387'
TOTAL DEPTH				4390'

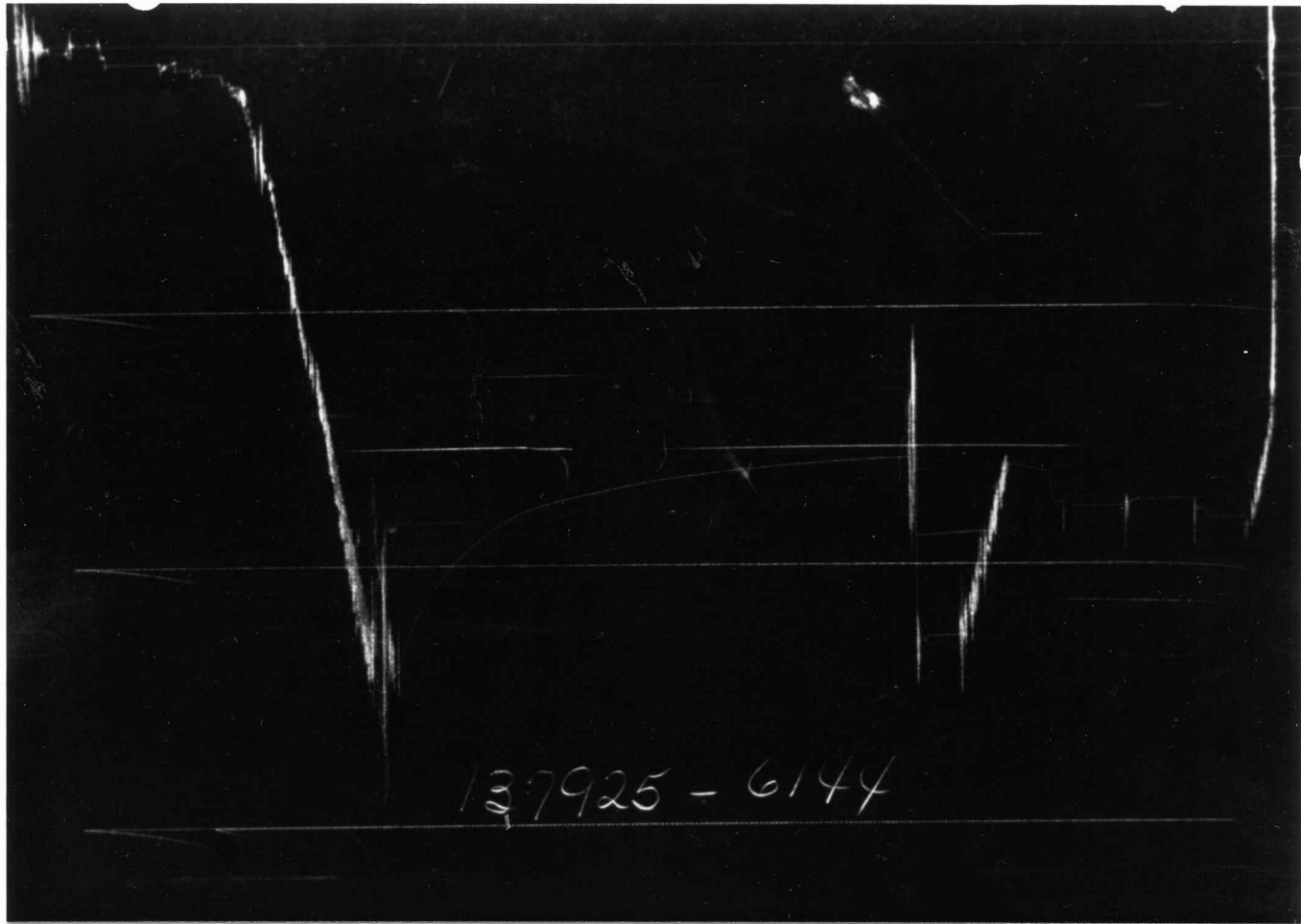
↑ PRESSURE ↓



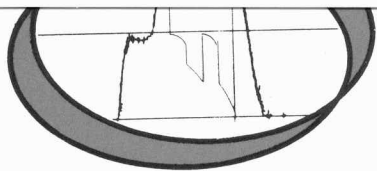
← TIME →



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



8-278-1211



Formation Testing Service Report