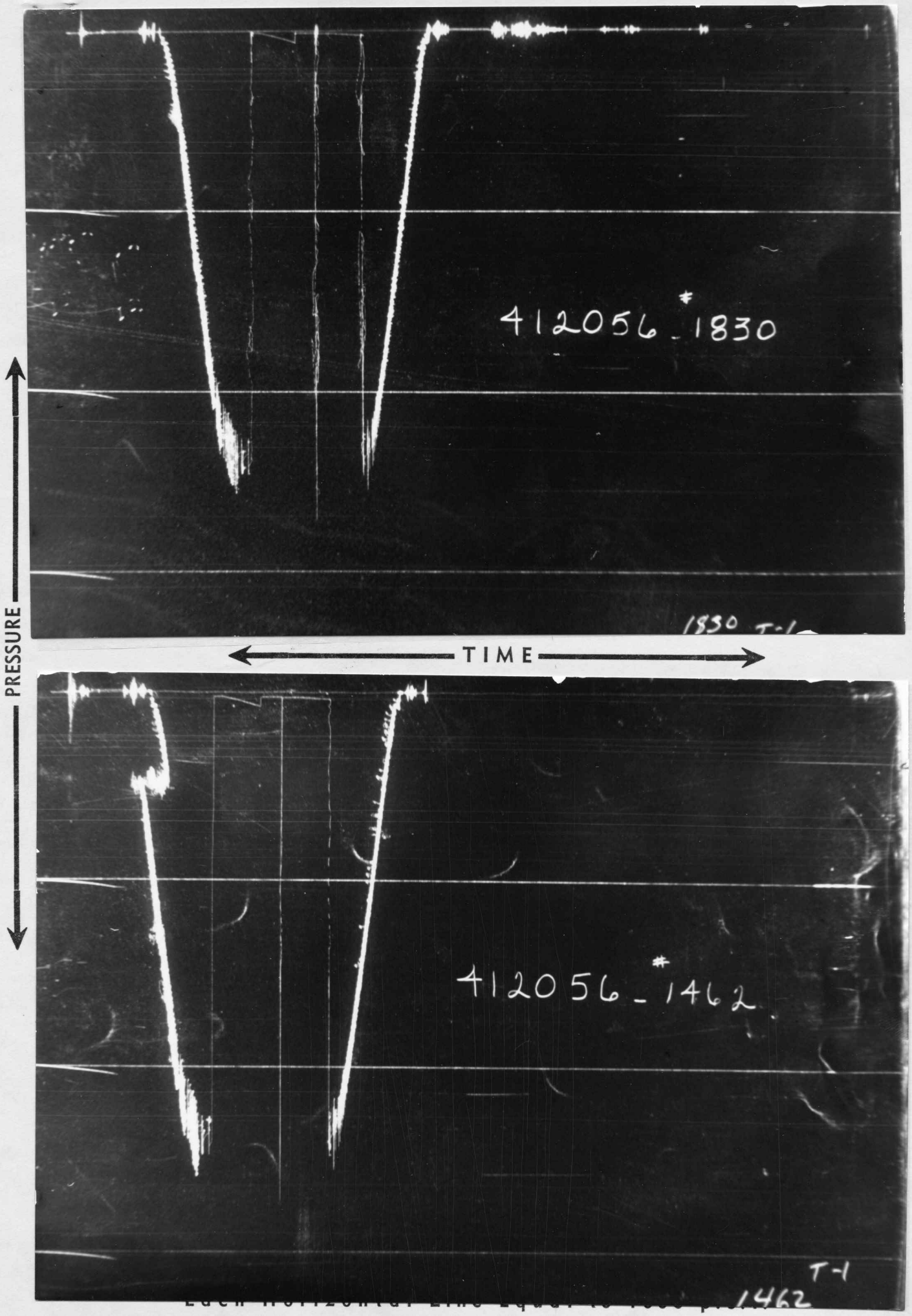
Flow Time	1st Min. 5	2nd Min. 30	Date	3-10-65	Ticket Number	412056	
Closed In Press. Time	1st Min. 30	2nd Min. 30	Kind of Job	OPEN HOLE	Halliburton District	GREAT BEND	
Pressure Readings	Field	Office Corrected	Tester	WALKER	Witness	QUICK	
Depth Top Gauge	4326' Ft.	NO Blanked Off	Drilling Contractor	PEEL BROTHERS, INCORPORATED		BM	
BT. P.R.D. No.	1830	12 Hour Clock	Elevation	2242'	Top Packer	-	
Initial Hydro Mud Pressure	2407	2416	Total Depth	4341'	Bottom Packer	4327'	
Initial Closed in Pres.	45	58	Interval Tested	4327' - 4341'	Formation Tested	FT. SCOTT	
Initial Flow Pres.	9 (1)	10	Casing or Hole Size	7 7/8"	Casing Perfs. Top	-	
	9 (2)	10			Bot.	-	
Final Flow Pres.	9 (1)	10	Surface Choke	1"	Bottom Choke	3/4"	
	18 (2)	14				I.D. - LENGTH	
Final Closed in Pres.	18	22	Size & Kind Drill Pipe	4½" ACME	Drill Collars Above Tester	-	
Final Hydro Mud Pressure	2378	2388	Mud Weight	10.3	Mud Viscosity	44	
Depth Cen. Gauge	Ft.	Blanked Off	Temperature	°F Est. 110 °F Actual	Anchor Size & Length	ID 2 3/8" OD 4½" X 14'	
BT. P.R.D. No.		Hour Clock	Depths Mea. From	DERRICK FLOOR	Depth of Tester Valve	4323' Ft.	
Initial Hydro Mud Pres.			Cushion	TYPE NONE AMOUNT Ft.	Depth Back Pres. Valve	Ft.	
Initial Closed in Pres.			Recovered	10' Feet of drilling mud			
Initial Flow Pres.	(1)		Recovered	Feet of			
	(2)						
Final Flow Pres.	(1)		Recovered	Feet of			
	(2)						
Final Closed in Pres.			Recovered	Feet of			
Final Hydro Mud Pres.			Oil A.P.I. Gravity		Water Spec. Gravity		
Depth Bot. Gauge	4339' Ft.	YES Blanked Off	Gas Gravity		Surface Pressure	psi	
BT. P.R.D. No.	1462	12 Hour Clock	Tool Opened	A.M. P.M.	Tool Closed	A.M. P.M.	
Initial Hydro Mud Pres.	2380	2427	Remarks	Tool opened @ 3:30 with a very weak blow for			
Initial Closed in Pres.	72	77		a 5 minute first flow. Tool closed @ 3:35. Rotated			
Initial Flow Pres.	18 (1)	30		tool for a 30 minute initial closed in pressure.			
	18 (2)	31					
Final Flow Pres.	18 (1)	24		Tool reopened @ 4:05 - dead - flushed tool. Tool			
	18 (2)	29					
Final Closed in Pres.	27	38		closed @ 4:35. Took a 30 minute final closed in			
Final Hydro Mud Pres.	2343	2402		pressure. Off bottom @ 5:05.			

Legal Location Sec. - Twp. - Rng.: 10 - 20 - 21W
Lease Name: FC JONAIN
Well No.: A-2
Test No.: 1
Field Area: -
County: NESS
State: KANSAS
Lease Owner/Company Name: [illegible]
Owner's District: [illegible]
Mea. From Tester Valve

FORMATION TEST DATA

5


412056 # 1830
1830 T-1
PRESSURE
TIME
412056 # 1462
T-1
1462

	1st Min.	2nd Min.
Flow Time	3	30
Closed In Press. Time	30	45
Pressure Readings	Field	Office Corrected
Depth Top Gauge	4372' Ft.	NO Blanked Off
BT. P.R.D. No.	1830	12 Hour Clock
Initial Hydro Mud Pressure	2426	2446
Initial Closed in Pres.	121	117
Initial Flow Pres.	9 / 19	1 12 / 2 20
Final Flow Pres.	19 / 19	1 12 / 2 16
Final Closed in Pres.	65	61
Final Hydro Mud Pressure	2407	2390
Depth Cen. Gauge	Ft.	Blanked Off
BT. P.R.D. No.		Hour Clock
Initial Hydro Mud Pres.		
Initial Closed in Pres.		
Initial Flow Pres.	1 / 2	
Final Flow Pres.	1 / 2	
Final Closed in Pres.		
Final Hydro Mud Pres.		
Depth Bot. Gauge	4400' Ft.	YES Blanked Off
BT. P.R.D. No.	1462	12 Hour Clock
Initial Hydro Mud Pres.	2507	2460
Initial Closed in Pres.	143	129
Initial Flow Pres.	18 / 27	1 34 / 2 41
Final Flow Pres.	27 / 27	1 29 / 2 32
Final Closed in Pres.	81	75
Final Hydro Mud Pres.	2471	2409

Date	3-11-65	Ticket Number	412057
Kind of Job	OPEN HOLE	Halliburton District	GREAT BEND
Tester	WALKER	Witness	QUICK
Drilling Contractor	PEEL BROTHERS, INCORPORATED		BM
Elevation	2242'	Top Packer	-
Total Depth	4402'	Bottom Packer	4378'
Interval Tested	4378' - 4402'	Formation Tested	CONGLOMERATE SAND
Casing or Hole Size	7 7/8"	Casing Top / Perfs. Bot.	- / -
Surface Choke	1"	Bottom Choke	3/4"
Size & Kind Drill Pipe	4½" ACME	Drill Collars Above Tester I.D. - LENGTH	-
Mud Weight	10.4	Mud Viscosity	51
Temperature °F Est. / 112 °F Actual		Anchor Size & Length ID 2 3/8" OD 4½" X	24'
Depths Mea. From	DERRICK FLOOR	Depth of Tester Valve	4369' Ft.
Cushion TYPE / AMOUNT	NONE Ft.	Depth Back Pres. Valve	Ft.
Recovered	32' Feet of	drilling mud	
Recovered	Feet of		
Recovered	Feet of		
Recovered	Feet of		
Oil A.P.I. Gravity		Water Spec. Gravity	
Gas Gravity		Surface Pressure	psi
Tool Opened A.M. P.M.		Tool Closed A.M. P.M.	

Mea. From Tester Valve

Remarks: Tool opened @ 2:47 with a very weak blow for a 3 minute first flow. Tool closed @ 3:00. Rotated tool for a 30 minute initial closed in pressure. Tool reopened @ 3:30 with no blow - dead. Tool closed @ 4:00. Took a 45 minute final closed in pressure. Off bottom @ 4:45.

Legal Location Sec. - Twp. - Rng.: 10 - 20 - 21W

Lease Name: [illegible] DUNKLIN

Well No.: A-2

Test No.: 2

Field Area: -

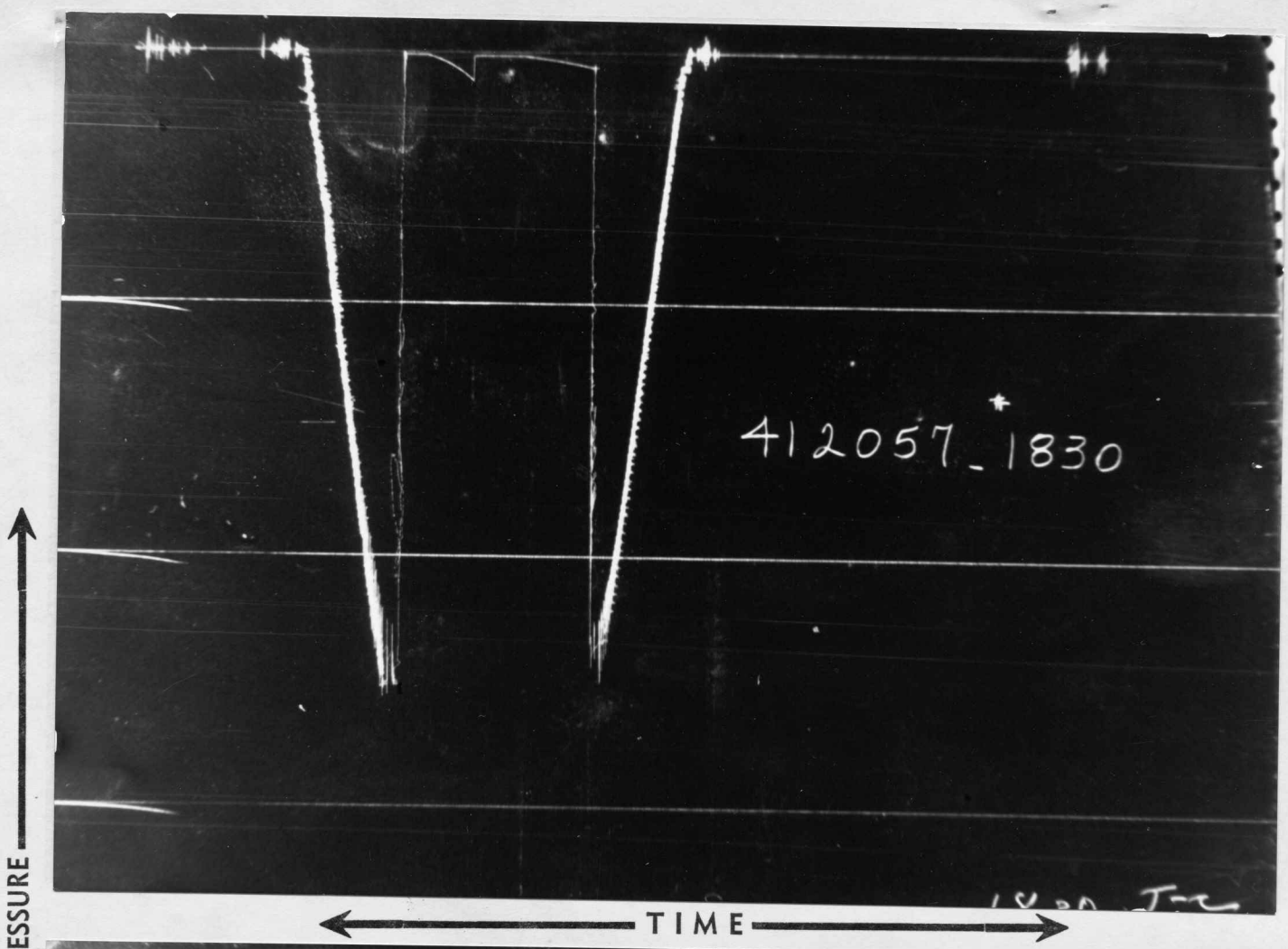
County: NESS

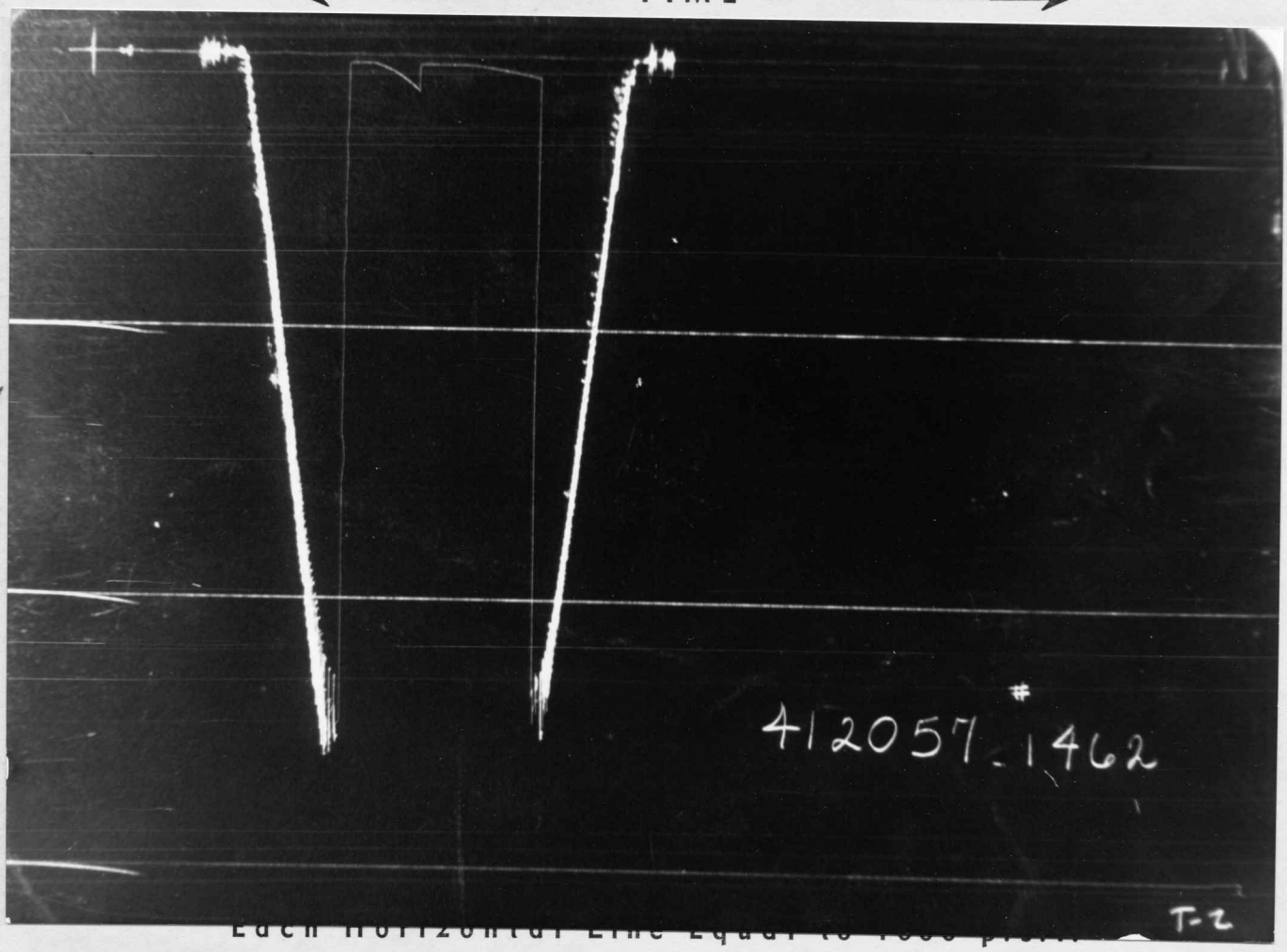
State: KANSAS

Lease Owner/Company Name: CITIES SERVICE OIL COMPANY

Owner's District: KANSAS

FORMATION TEST DATA





Each horizontal line equal to 1000 psi

	1st Min.	2nd Min.
Flow Time	15	60
Closed In Press. Time	30	30
Pressure Readings	Field	Office Corrected
Depth Top Gauge	4400 Ft.	NO Blanked Off
BT. P.R.D. No.	1830	12 Hour Clock
Initial Hydro Mud Pressure	2463	2359
Initial Closed in Pres.	1274	1285
Initial Flow Pres.	37 (1)	32
	112 (2)	124
Final Flow Pres.	102 (1)	106
	279 (2)	293
Final Closed in Pres.	1143	1158
Final Hydro Mud Pressure	2407	2340
Depth Cen. Gauge	Ft.	Blanked Off
BT. P.R.D. No.		Hour Clock
Initial Hydro Mud Pres.		
Initial Closed in Pres.		
Initial Flow Pres.	(1)	
	(2)	
Final Flow Pres.	(1)	
	(2)	
Final Closed in Pres.		
Final Hydro Mud Pres.		
Depth Bot. Gauge	4423' Ft.	YES Blanked Off
BT. P.R.D. No.	1462	12 Hour Clock
Initial Hydro Mud Pres.	2576	2374
Initial Closed in Pres.	1330	1295
Initial Flow Pres.	37 (1)	44
	121 (2)	143
Final Flow Pres.	112 (1)	117
	307 (2)	302
Final Closed in Pres.	1209	1169
Final Hydro Mud Pres.	2501	2355

Date	3-12-65	Ticket Number	412058 - S
Kind of Job	OPEN HOLE	Halliburton District	GREAT BEND
Tester	MR. WALKER	Witness	MR. QUICK
Drilling Contractor	PEEL BROTHERS INCORPORATED ICLC		
Elevation	2242'	Top Packer	-
Total Depth	4427'	Bottom Packer	4412'
Interval Tested	4412'-4427'	Formation Tested	MISSISSIPPI
Casing or Hole Size	7 7/8"	Casing Perfs. Top / Bot.	-
Surface Choke	1"	Bottom Choke	3/4"
Size & Kind Drill Pipe	480' FLEX WT. 4½"	Drill Collars Above Tester (I.D. - LENGTH)	-
Mud Weight	10.3	Mud Viscosity	46
Temperature	°F Est. 114 °F Actual	Anchor Size & Length	ID 2 3/8" OD 4½" X 15'
Depths Mea. From	DERRICK FLOOR	Depth of Tester Valve	4396' Ft.
Cushion (TYPE / AMOUNT)	- Ft.	Depth Back Pres. Valve	- Ft.
Recovered	180 Feet of	Gas	
Recovered	680 Feet of	Muddy oil	
Recovered	62 Feet of	Slightly oily muddy	
Recovered	Feet of	water	
Oil A.P.I. Gravity	-	Water Spec. Gravity	-
Gas Gravity	-	Surface Pressure	- psi
Tool Opened	7:20 A.M. P.M.	Tool Closed	9:35 A.M. P.M.

Remarks: Opened tool for 15 minute 1st flow with a fair to good blow. Closed tool for 30 minute initial closed in pressure. Reopened tool for 60 minute 2nd flow with a good blow throughout test. Closed tool for 30 minute final closed in pressure.

Meas. From Tester Valve

Legal Location Sec. - Twp. - Rng.: SEC. 10 - 20S - 21W

Lease Name: MC JUNKIN

Well No.: A-2

Test No.: 3

Field Area:

County: NESS

State: KANSAS

Lease Owner/Company Name: GATES SERVICE OIL COMPANY

Owner's District:

FORMATION TEST DATA

5

Gauge No. 1830	Depth 4400'	Clock 12 hour	Ticket No. 412058

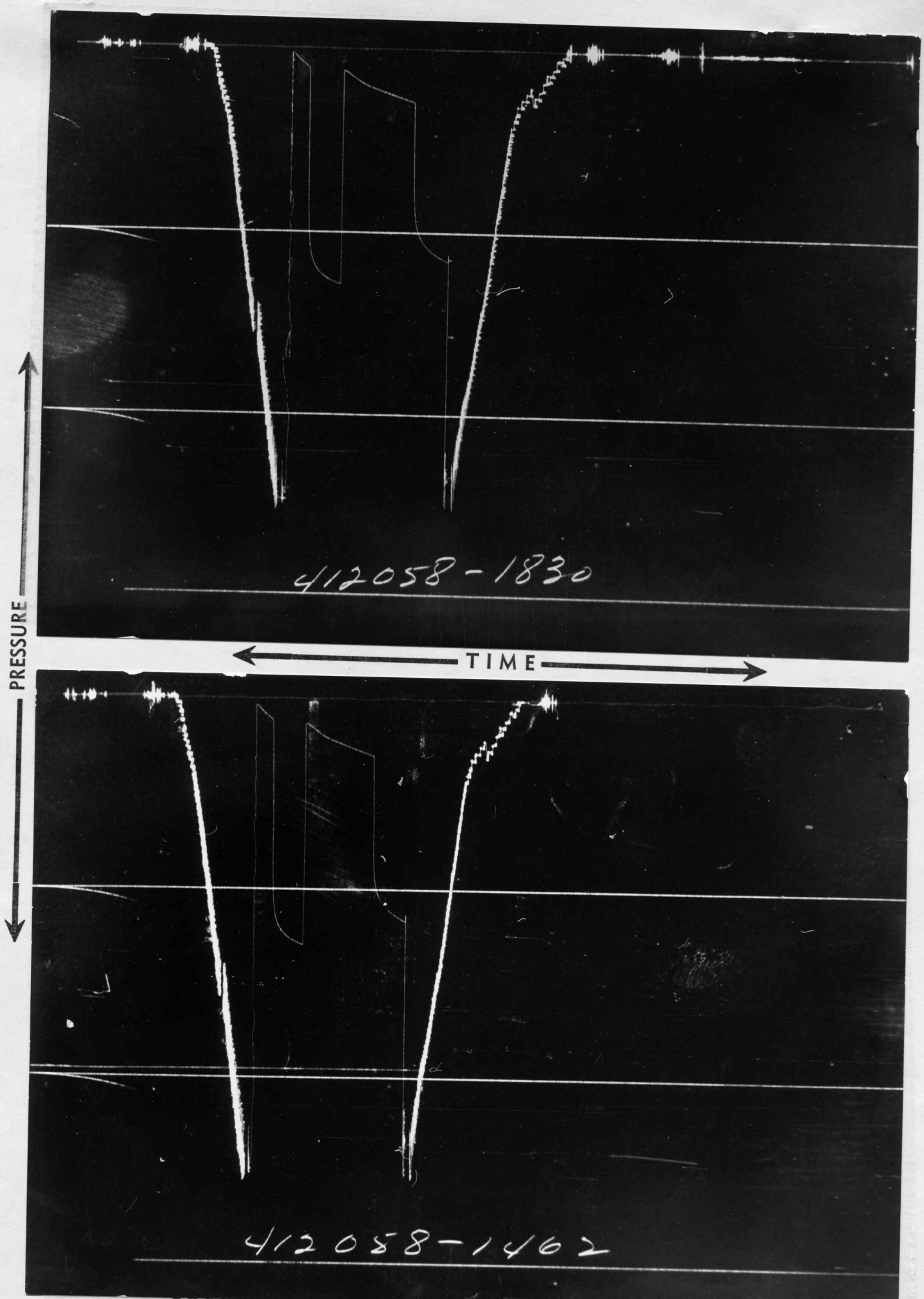
	First Flow Period		Initial Closed In Pressure			Second Flow Period		Final Closed In Pressure		
	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t+\Theta}{\Theta}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t+\Theta}{\Theta}$	PSIG Temp. Corr.
P_0	.000	32	.000		106	.000	124	.000		293
P_1	.0204	42	.0208		1047	.105	185	.0215		953
P_2	.0408	61	.0416		1156	.210	226	.0430		1019
P_3	.0612	77	.0624		1196	.315	261	.0645		1054
P_4	.0816	92	.0832		1221	.420	293	.0860		1079
P_5	.1020	106	.1040		1238			.1075		1098
P_6			.1248		1251			.1290		1115
P_7			.1456		1263			.1505		1128
P_8			.1664		1271			.1720		1139
P_9			.1872		1278			.1935		1149
P_{10}			.2080		1285			.2150		1158

Gauge No. 1462	Depth 4423'	Clock 12 hour	

P_0	.000	44	.000		117	.000	143	.000		302
P_1	.020	51	.019		1114	.1003	194	.0197		983
P_2	.040	71	.038		1184	.2006	235	.0394		1041
P_3	.060	87	.057		1215	.3009	272	.0591		1069
P_4	.080	103	.076		1236	.4010	302	.0788		1092
P_5	.100	117	.095		1252			.0985		1111
P_6			.114		1265			.1182		1126
P_7			.133		1275			.1379		1138
P_8			.152		1283			.1576		1151
P_9			.171		1290			.1773		1160
P_{10}			.190		1295			.1970		1169
Reading Interval	1		3			15		3		Minutes

REMARKS:

SPECIAL PRESSURE DATA


4/20 58 - 1830
PRESSURE
TIME
4/20 58 - 1462