Flow Time	1st Min. 5	2nd Min. 60	Date	1-31-64	Ticket Number	402992 S	Legal Location Sec. - Twp. - Rng. SEC. 25 - 11S - 8E
Closed In Press. Time	1st Min. 30	2nd Min. 30	Kind of Job	OPEN HOLE TEST	Halliburton District	WINFIELD	Lease Name GEHRT
Pressure Readings	Field	Office Corrected	Tester	MR. O'NEAL	Witness	MR. FORDE	Well No. 6
Depth Top Gauge	1525 Ft.	NO Blanked Off	Drilling Contractor	WHITE & ELLIS			Test No. 1
BT. P.R.D. No.	310	12 Hour Clock	Elevation	1215' G.L.	Top Packer	-	Field Area WARGE
Initial Hydro Mud Pressure	795	797	Total Depth	1554'	Bottom Packer	1523'	
Initial Closed in Pres.	572	573	Interval Tested	1523'-1554'	Formation Tested	PENNSYLVANIA	
Initial Flow Pres.	- 1 5 2	9 14	Casing or Hole Size	7 7/8"	Casing Perfs. Top Bot.	- -	
Final Flow Pres.	- 1 35 2	10 31	Surface Choke	1/4"	Bottom Choke	5/8"	
Final Closed in Pres.	500	516	Size & Kind Drill Pipe	3 1/2" IF	Drill Collars Above Tester I.D. - LENGTH	2 1/4" x 128'	
Final Hydro Mud Pressure	-	780	Mud Weight	10	Mud Viscosity	42	
Depth Cen. Gauge	Ft.	Blanked Off	Temperature	100 °F Est. °F Actual	Anchor Size & Length ID 2 3/8" OD 4 1/2" X	31'	
BT. P.R.D. No.		Hour Clock	Depths Mea. From	KELLY BUSHINGS	Depth of Tester Valve	1520' Ft.	
Initial Hydro Mud Pres.			Cushion TYPE - AMOUNT	Ft.	Depth Back Pres. Valve	1515' Ft.	
Initial Closed in Pres.			Recovered	10 Feet of Oil cut mud			Mea. From Tester Valve
Initial Flow Pres.	1 2		Recovered	40 Feet of Free oil			
Final Flow Pres.	1 2		Recovered	Feet of			
Final Closed in Pres.			Recovered	Feet of			
Final Hydro Mud Pres.			Oil A.P.I. Gravity	32	Water Spec. Gravity	-	
Depth Bot. Gauge	1550 Ft.	YES Blanked Off	Gas Gravity	-	Surface Pressure	- psi	
BT. P.R.D. No.	1375	12 Hour Clock	Tool Opened	5:25 PM A.M. P.M.	Tool Closed	6:25 PM A.M. P.M.	
Initial Hydro Mud Pres.	-	799	Remarks	Opened tool for 5 minute 1st flow with very weak blow. Closed tool for 30 minute initial closed in pressure. Reopened tool for 60 minute 2nd flow with weak blow. Closed tool for 30 minute final closed in pressure.			
Initial Closed in Pres.	-	575					
Initial Flow Pres.	- 1 - 2	11 18					
Final Flow Pres.	- 1 - 2	12 33					
Final Closed in Pres.	-	517					
Final Hydro Mud Pres.	-	783					

Lease Owner/Company Name CITIES SERVICE OIL COMPANY

County RILEY

State KANSAS

Owner's District KANSAS

FORMATION TEST DATA

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SPECIAL PRESSURE DATA

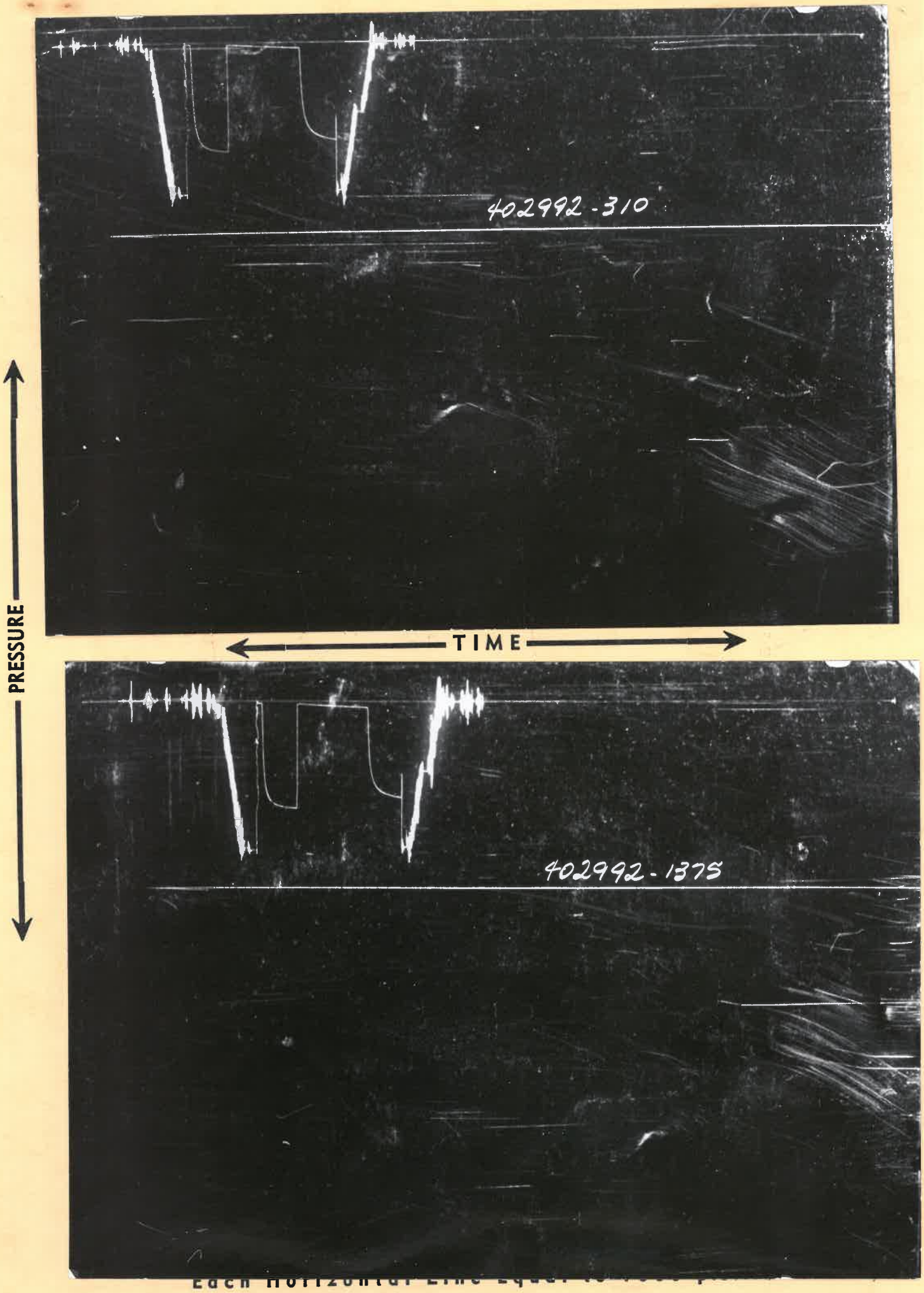
Form No. 1296-R2

Gauge No. 310	Depth 1525'	Clock 12 hour	Ticket No. 402992

	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	9	.000		10	.000	14	.000		31
P_1	.029	10	.0214		448	.1085	17	.0211		371
P_2			.0428		513	.2170	22	.0422		436
P_3			.0642		539	.3255	27	.0633		464
P_4			.0856		552	.4340	31	.0844		481
P_5			.1070		560			.1055		491
P_6			.1284		565			.1266		498
P_7			.1498		568			.1477		504
P_8			.1712		570			.1688		509
P_9			.1926		572			.1899		512
P_{10}			.2140		573			.2110		516
Gauge No. 1375			Depth 1550'			Clock 12		hour		
P_0	.000	11	.000		12	.000	18	.000		33
P_1	.026	12	.0205		469	.1058	19	.020		385
P_2			.0410		525	.2116	24	.040		445
P_3			.0615		546	.3174	29	.060		470
P_4			.0820		557	.4230	33	.080		485
P_5			.1025		564			.100		495
P_6			.1230		568			.120		502
P_7			.1435		571			.140		507
P_8			.1640		573			.160		512
P_9			.1845		574			.180		514
P_{10}			.2050		575			.200		517
Reading Interval			3			15		3		Minutes

REMARKS:

SPECIAL PRESSURE DATA


402992-310
PRESSURE
TIME
402992-1375

Flow Time	1st Min. 5	2nd Min. 63	Date	2-1-64	Ticket Number	402993 S	Legal Location Sec. - Twp. - Rng. 25 11S 8E
Closed In Press. Time	1st Min. 30	2nd Min. 30	Kind of Job	OPEN HOLE	Halliburton District	WINFIELD	
Pressure Readings	Field	Office Corrected	Tester	BOB O'NEAL	Witness	F. FORDE	
Depth Top Gauge	1573 Ft.	No Blanked Off	Drilling Contractor	WHITE & ELLIS DRILLING CO.			Lease Name GEHRT
BT. P.R.D. No.	310	12 Hour Clock	Elevation	1215' GL	Top Packer		Well No. 6
Initial Hydro Mud Pressure		793	Total Depth	1585'	Bottom Packer	1579'	Test No. 2
Initial Closed in Pres.		561	Interval Tested	1579-1585'	Formation Tested	Hunton	Field Area YAEGE
Initial Flow Pres.	1	4	Casing or Hole Size	7 7/8"	Casing Perfs. Top		
	2	5			Bot.		
Final Flow Pres.	1	4	Surface Choke	1/4"	Bottom Choke	5/8"	County RILEY
	2	7				I.D. - LENGTH	
Final Closed in Pres.		558	Size & Kind Drill Pipe	3 1/2" IF	Drill Collars Above Tester	2 1/4"X 128'	
Final Hydro Mud Pressure		783	Mud Weight	9.8	Mud Viscosity	37	
Depth Cen. Gauge	Ft.	Blanked Off	Temperature	100 °F Est. / °F Actual	Anchor Size & Length	ID 2 5/8" OD 4 1/2" X 6'	
BT. P.R.D. No.		Hour Clock	Depths Mea. From	Kelly Bushing	Depth of Tester Valve	1572' Ft.	
Initial Hydro Mud Pres.				TYPE AMOUNT			
			Cushion	none Ft.	Depth Back Pres. Valve	1567' DCIP Ft.	
Initial Closed in Pres.			Recovered	5 Feet of	Oil cut mud with light show of free oil		Meas. From Tester Valve
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	1581 Ft.	Blanked Yes Off	Gas Gravity		Surface Pressure	psi	
BT. P.R.D. No.	1375	12 Hour Clock	Tool Opened	7:40 AM A.M. P.M.	Tool Closed	8:43 AM A.M. P.M.	
Initial Hydro Mud Pres.		799	Remarks	Tool opened with a very weak blow for a 5			
Initial Closed in Pres.		568		minute first flow. Rotated tool for a 30 minute			
Initial Flow Pres.	1	10		initial closed in pressure. Reopened tool with			
	2	15					
Final Flow Pres.	1	11		no blow, flushed tool, no blow. Took a 30 minute			
	2	15					
Final Closed in Pres.		565		final closed in pressure.			
Final Hydro Mud Pres.		799					

Lease Owner/Company Name CITIES SERVICE OIL CO.

State KANSAS

Owner's District KANSAS

Sec 25-11S-8E

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FORMATION TEST DATA

SPECIAL PRESSURE DATA

Form No. 1296-R2

Gauge No. 310	Depth 1573	Clock 12 hour	Ticket No. 402993

	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	4	.000		4	.000	5	.000		7
P_1	.044	4	.0202		315	.450	7	.0188		408
P_2			.0404		465			.0376		492
P_3			.0606		518			.0564		529
P_4			.0808		539			.0752		543
P_5			.1010		549			.0940		549
P_6			.1212		554			.1128		553
P_7			.1414		558			.1316		555
P_8			.1616		560			.1504		556
P_9			.1818		561			.1692		557
P_{10}			.2020		561			.1880		558

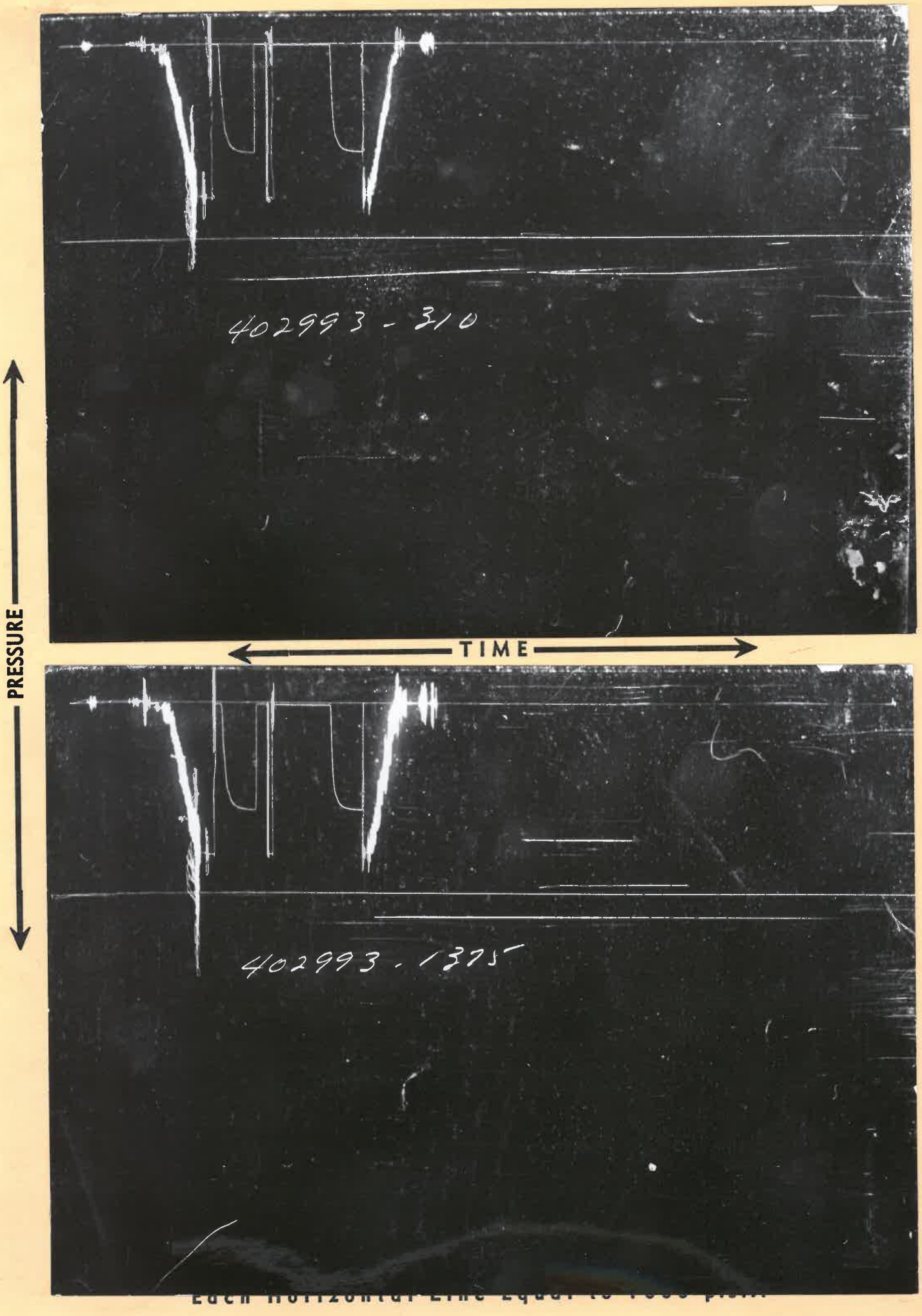
Gauge No. 1375	Depth 1581	Clock 12 hour

P_0	.000	10	.000		11	.000	15	.000		15
P_1	.037	11	.020		322	.438	15	.0187		426
P_2			.040		475			.0374		506
P_3			.060		527			.0561		538
P_4			.080		547			.0748		552
P_5			.100		557			.0935		557
P_6			.120		562			.1122		561
P_7			.140		564			.1309		563
P_8			.160		567			.1496		564
P_9			.180		568			.1683		565
P_{10}			.200		568			.1870		565
Reading Interval			3					3		Minutes

REMARKS:

SPECIAL PRESSURE DATA

Form No. 1296-R2


402993 - 310
PRESSURE
TIME
402993 - 1375

Flow Time	1st Min. 5	2nd Min. 60	Date	2-1-64	Ticket Number	402994 S	Legal Location Sec. - Twp. - Rng. SEC. 25 - 11S - 8E
Closed In Press. Time	1st Min. 30	2nd Min. 30	Kind of Job	OPEN HOLE TEST	Halliburton District	WINFIELD	Lease Name GEHRT
Pressure Readings	Field	Office Corrected	Tester	MR. O'NEAL	Witness	MR. FORDE	Well No. 6
Depth Top Gauge	1579 Ft.	NO Blanked Off	Drilling Contractor	WHITE & ELLIS			Test No. 3
BT. P.R.D. No.	310	12 Hour Clock	Elevation	1215' G.L.	Top Packer	-	Field Area YAEGE
Initial Hydro Mud Pressure	795	798	Total Depth	1591'	Bottom Packer	1585'	
Initial Closed in Pres.	563	561	Interval Tested	1585'-1591'	Formation Tested	HUNTON	
Initial Flow Pres.	- 1	4	Casing or Hole Size	7 7/8"	Casing Perfs. Top		
	0 2	19			Bot.	-	
Final Flow Pres.	- 1	17	Surface Choke	1/4"	Bottom Choke	5/8"	
	134 2	134	Size & Kind Drill Pipe	3 1/2" I.F.	Drill Collars Above Tester I.D. - LENGTH	2 1/4" x 128'	
Final Closed in Pres.	545	545	Mud Weight	9.8	Mud Viscosity	41	
Final Hydro Mud Pressure	-	791	Temperature	100 °F Est. / °F Actual	Anchor Size & Length ID 2 3/8" OD 4 1/2" X	6'	
Depth Cen. Gauge	Ft.	Blanked Off	Depths Mea. From	KELLY BUSHINGS	Depth of Tester Valve	1578' Ft.	
BT. P.R.D. No.		Hour Clock		TYPE AMOUNT		DCIP VALVE	
Initial Hydro Mud Pres.			Cushion	- Ft.	~~Depth Back Pres. Valve~~	1573' Ft.	
Initial Closed in Pres.			Recovered	10 Feet of	Oil & oil cut mud		Mea. From Tester Valve
Initial Flow Pres.	1		Recovered	270 Feet of	Water with oil film		
	2		Recovered	Feet of			
Final Flow Pres.	1		Recovered	Feet of			
	2		Oil A.P.I. Gravity	-	Water Spec. Gravity	-	County RILEY
Final Closed in Pres.			Gas Gravity	-	Surface Pressure	- psi	
Final Hydro Mud Pres.			Tool Opened	4:55 PM A.M. P.M.	Tool Closed	5:55 AM A.M. P.M.	
Depth Bot. Gauge	1586 Ft.	YES Blanked Off	Remarks	Opened tool for 5 minute 1st flow with weak blow. Closed tool for 30 minute initial closed in pressure. Reopened tool for 60 minute 2nd flow with weak blow. Closed tool for 30 minute final closed in pressure.			State KANSAS
BT. P.R.D. No.	1375	12 Hour Clock					Owner's District KANSAS
Initial Hydro Mud Pres.	-	806					Lease Owner/Company Name CITIES SERVICE OIL COMPANY
Initial Closed in Pres.	-	568					
Initial Flow Pres.	- 1	11					
	- 2	30					
Final Flow Pres.	- 1	23					
	- 2	142					
Final Closed in Pres.	-	554					
Final Hydro Mud Pres.	-	791					

FORMATION TEST DATA

SPECIAL PRESSURE DATA

Form No. 1296-R2

Gauge No.	310	Depth	1579'	Clock	12 hour	Ticket No.	402994

	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	4	.000		17	.000	19	.000		134
P_1	.007	7	.0212		537	.109	55	.020		512
P_2	.014	10	.0424		548	.218	84	.040		525
P_3	.021	12	.0636		553	.327	110	.060		531
P_4	.028	14	.0848		555	.436	134	.080		535
P_5	.035	17	.1060		557			.100		538
P_6			.1272		558			.120		540
P_7			.1484		559			.140		542
P_8			.1696		560			.160		544
P_9			.1908		561			.180		545
P_{10}			.2120		561			.200		545

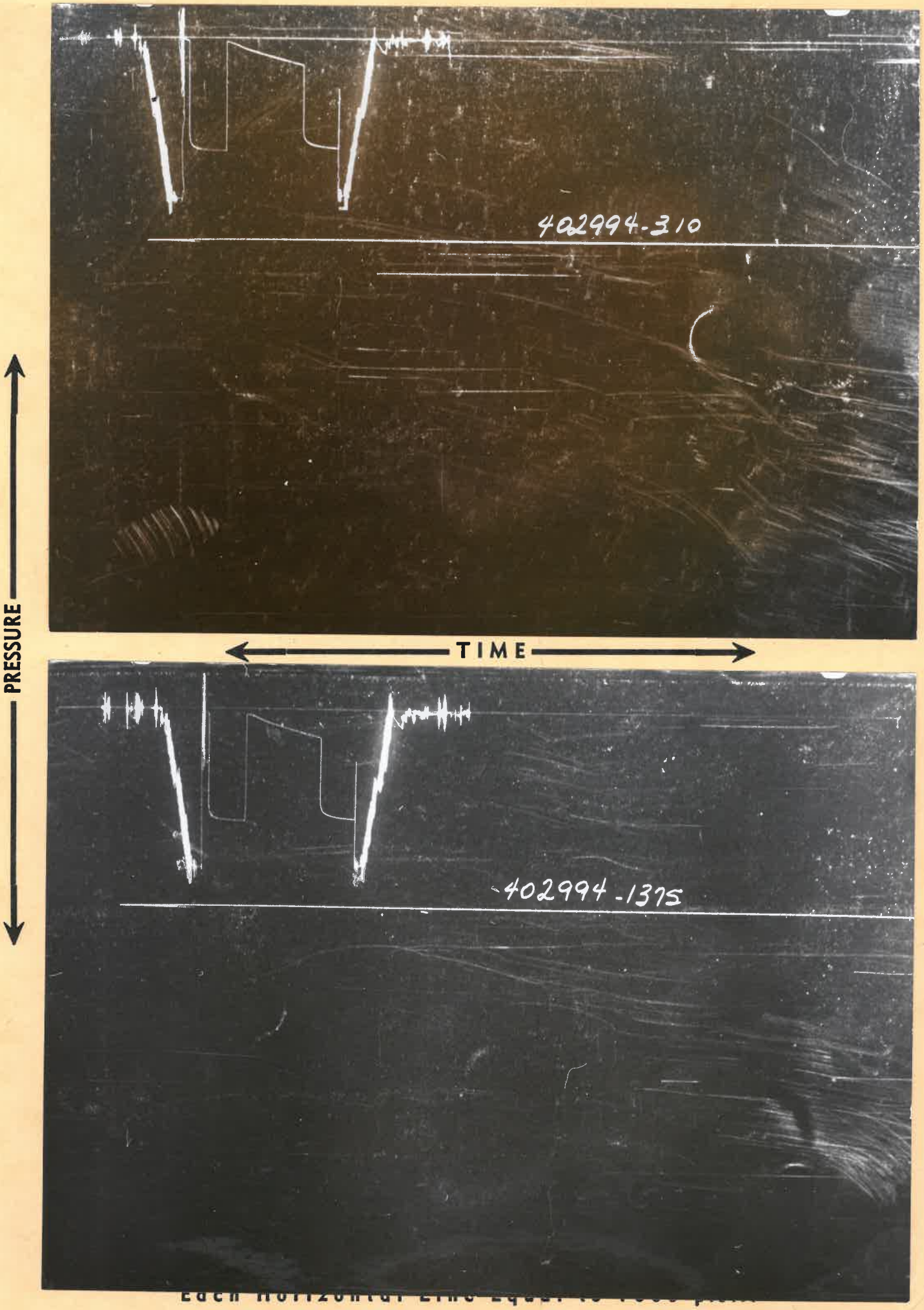
Gauge No.	1375		Depth	1586'		Clock	12	hour		
P_0	.000	11	.000		23	.000	30	.000		142
P_1	.0054	14	.0208		547	.1063	62	.0193		524
P_2	.0108	16	.0416		556	.2126	91	.0386		534
P_3	.0162	19	.0624		561	.3189	117	.0579		539
P_4	.0216	21	.0832		564	.4250	142	.0772		544
P_5	.0270	23	.1040		565			.0965		546
P_6			.1248		566			.1158		549
P_7			.1456		567			.1351		551
P_8			.1664		568			.1544		552
P_9			.1872		568			.1737		554
P_{10}			.2080		568			.1930		554
Reading Interval	1		3			15		3		Minutes

REMARKS:

SPECIAL PRESSURE DATA

Form No. 1296-R2

S-215-82


402994-310
PRESSURE
TIME
402994-1375