

Flow Time	1st 30 Min.	2nd 30 Min.	Date	4-26-66	Ticket Number	398242 - S
Closed In Press. Time	1st 30 Min.	2nd 30 Min.	Kind of Job	OPEN HOLE	Halliburton District	EL DORADO
Pressure Readings	Field	Office Corrected	Tester	MR. PARKER	Witness	MR. RIGSBY
Depth Top Gauge	2106 Ft.	NO Blanked Off	Drilling Contractor	WHITE & ELLIS	IC	
BT. P.R.D. No.	1375	12 Hour Clock	Elevation	1348'	Top Packer	2102'
Initial Hydro Mud Pressure	1042	1057	Total Depth	2136'	Bottom Packer	-
Initial Closed in Pres.	598	594	Interval Tested	2102'-2136'	Formation Tested	CATTLEMANS
Initial Flow Pres.	45 1 181 2	54 176	Casing or Hole Size	7 7/8"	Casing Perfs. { Top Bot.	-
Final Flow Pres.	163 1 253 2	154 242	Surface Choke	1"	Bottom Choke	7/8"
Final Closed in Pres.	598	586	Size & Kind Drill Pipe	4 1/2" I.F.	Drill Collars Above Tester	-
Final Hydro Mud Pressure	1033	1049	Mud Weight	9.7	Mud Viscosity	40
Depth Cen. Gauge		Blanked Off	Temperature	100 °F Est. °F Actual	Anchor Size & Length	ID 4 1/2" OD 5 1/2" X 34'
BT. P.R.D. No.		Hour Clock	Depths Mea. From	KEILY BUSHINGS	Depth of Tester Valve	- Ft.
Initial Hydro Mud Pres.			Cushion	TYPE AMOUNT	Depth Back Pres. Valve	- Ft.
Initial Closed in Pres.			Recovered	204 Feet of	Heavy gas cut mud	
Initial Flow Pres.	1 2		Recovered	232 Feet of	Muddy gas cut saltwater	
Final Flow Pres.	1 2		Recovered	Feet of		
Final Closed in Pres.			Recovered	Feet of		
Final Hydro Mud Pres.			Oil A.P.I. Gravity	-	Water Spec. Gravity	-
Depth Bot. Gauge	2132 Ft.	YES Blanked Off	Gas Gravity	-	Surface Pressure	- psi
BT. P.R.D. No.	310	12 Hour Clock	Tool Opened	7:18 PM A.M. P.M.	Tool Closed	9:18 PM A.M. P.M.
Initial Hydro Mud Pres.	1105	1073	Remarks Opened tool for 30 minute 1st flow. Closed			
Initial Closed in Pres.	613	610	tool for 30 minute initial closed in pressure.			
Initial Flow Pres.	72 1 180 2	60 186	Reopened tool for 30 minute 2nd flow with a good			
Final Flow Pres.	180 1 262 2	167 257	blow throughout test. Closed tool for 30 minute			
Final Closed in Pres.	613	604	final closed in pressure.			
Final Hydro Mud Pres.	1078	1066				

FORMATION TEST DATA

UNDERWOOD "A"

Well No.

Test No.

CITIES SERVICE OIL COMPANY

Lease Owner/Company Name

County

GREENWOOD

State

KANSAS

Owner's District

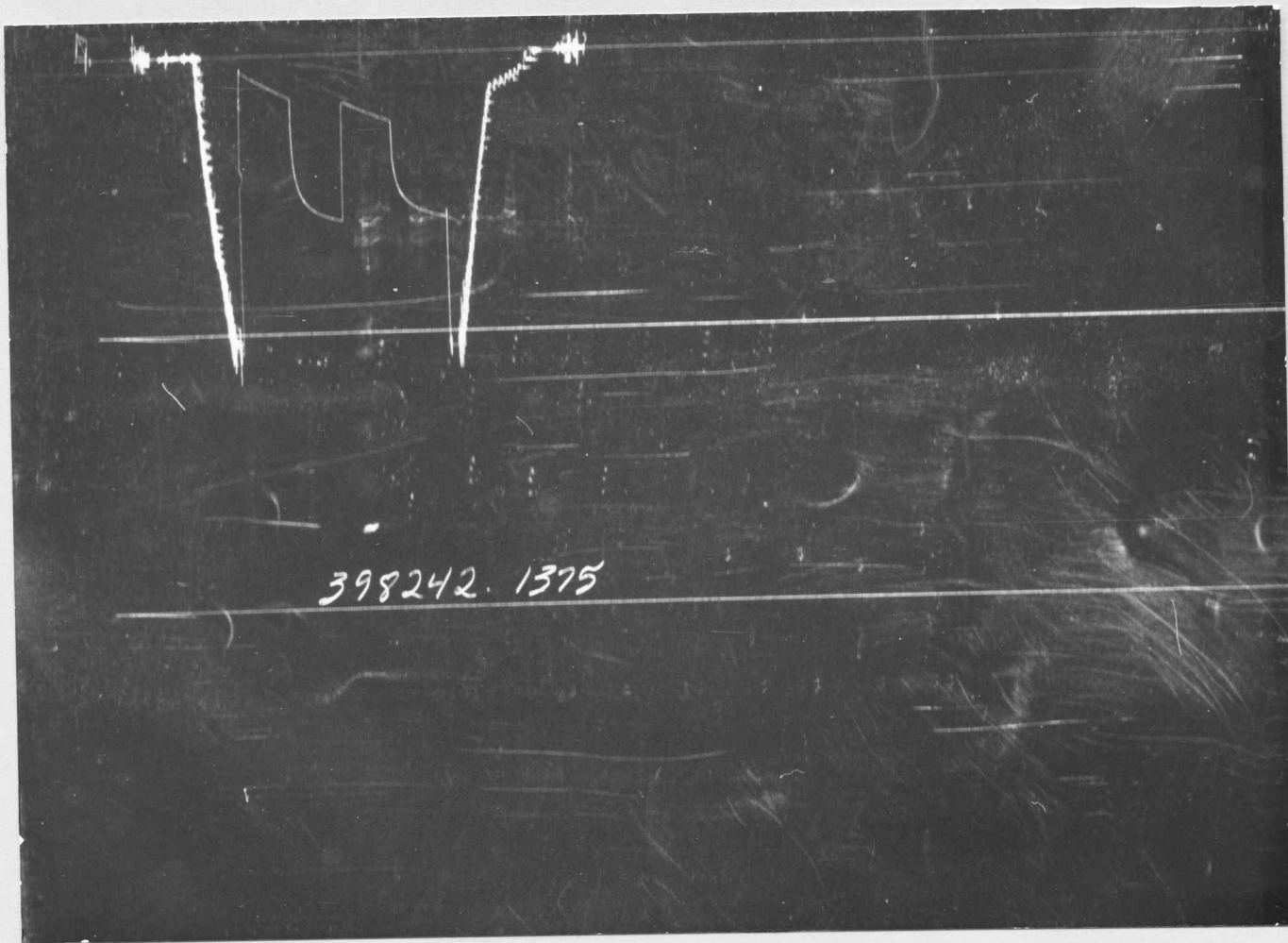
Gauge No. 1375			Depth 2106'			Clock 12 hour			Ticket No. 398242		
First Flow Period			Initial Closed In Pressure			Second Flow Period			Final Closed In Pressure		
	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t+\theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t+\theta}{\theta}$	PSIG Temp. Corr.	
P ₀	.000	54	.000		154	.000	176	.000		242	
P ₁	.0404	81	.0206		441	.039	186	.0219		462	
P ₂	.0808	99	.0412		503	.078	202	.0438		507	
P ₃	.1212	119	.0618		531	.117	216	.0657		531	
P ₄	.1616	137	.0824		549	.156	230	.0876		546	
P ₅	.2020	154	.1030		564	.195	242	.1095		557	
P ₆	.0000	99	.1236		573			.1314		565	
P ₇	.1212	119	.1442		580			.1533		573	
P ₈	.1616	137	.1648		585			.1752		578	
P ₉	.2020	154	.1854		591			.1971		583	
P ₁₀			.2060		594			.2190		586	

Gauge No. 310			Depth 2132'			Clock 12 hour					
P ₀	.000	60	.000		167	.000	186	.000		257	
P ₁	.0414	92	.0211		449	.0408	197	.0226		477	
P ₂	.0828	114	.0422		513	.0816	215	.0452		522	
P ₃	.1242	133	.0633		546	.1224	230	.0678		547	
P ₄	.1656	150	.0844		565	.1632	243	.0904		564	
P ₅	.2070	167	.1055		579	.2040	257	.1130		575	
P ₆			.1266		588			.1356		583	
P ₇	.1242	133	.1477		596			.1582		590	
P ₈	.1656	150	.1688		602			.1808		596	
P ₉	.2070	167	.1899		607			.2034		600	
P ₁₀			.2110		610			.2260		604	

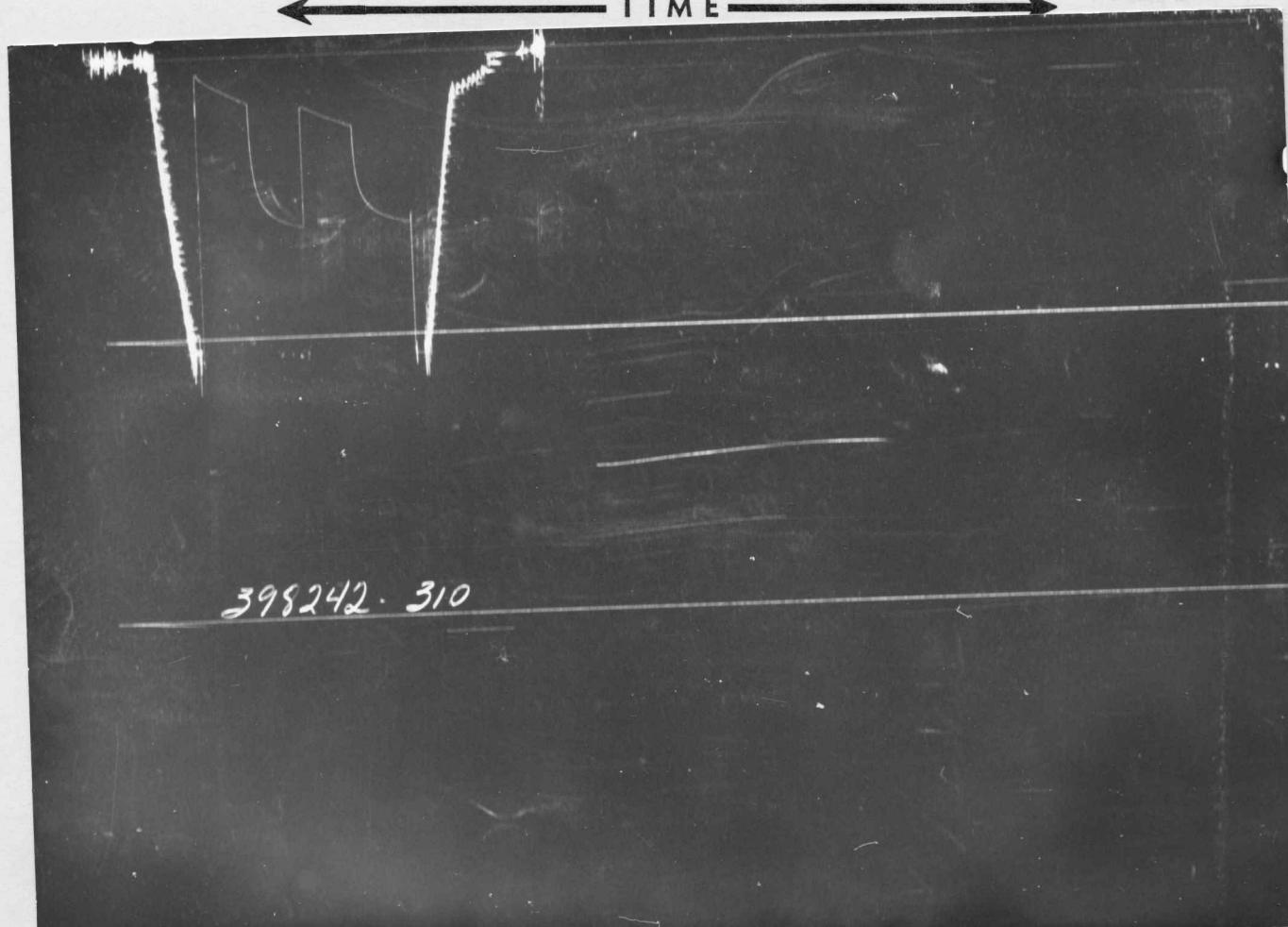
Reading Interval	6		3		6		3	Minutes
REMARKS:								

SPECIAL PRESSURE DATA

↑
PRESSURE
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← TIME →



Flow Time	1st 30	Min.	2nd 30	Min.	Date	4-27-66	Ticket Number	398243	S
Closed In Press. Time	1st 30	Min.	2nd 30	Min.	Kind of Job	OPEN HOLE	Halliburton District	ELDORADO	
Pressure Readings	Field		Office Corrected		Tester	PARKER	Witness	-	
Depth Top Gauge	2172	Ft.	no	Blanked Off	Drilling Contractor	WHITE & ELLIS	SS		
BT. P.R.D. No.	1375		12	Hour Clock	Elevation	1348'	Top Packer	2168'	
Initial Hydro Mud Pressure	1106		1085		Total Depth	2191'	Bottom Packer	-	
Initial Closed in Pres.	525		523		Interval Tested	2168' - 2191'	Formation Tested	BARTLESVILLE	
Initial Flow Pres.	9		1	14	Casing or Hole Size	7 7/8"	Casing Perfs.	{ Top Bot.	
Final Flow Pres.	36		2	29	Surface Choke	1"	Bottom Choke	7/8"	
Final Closed in Pres.	489		481		Size & Kind Drill Pipe	4 1/2" IF	Drill Collars Above Tester	-	
Final Hydro Mud Pressure	1097		1085		Mud Weight	9.7	Mud Viscosity	40	
Depth Cen. Gauge		Ft.		Blanked Off	Temperature	90'	Anchor Size & Length	ID 4 1/2"	OD 5 1/2" X 23'
BT. P.R.D. No.				Hour Clock	Depths Mea. From	KELLY BUSHING	Depth of Tester Valve	-	
Initial Hydro Mud Pres.					TYPE	AMOUNT	Depth Back Pres. Valve	Ft.	
Initial Closed in Pres.					Cushion		Recovered	60 Feet of mud	
Initial Flow Pres.			1		Recovered		Recovered	Feet of	
Final Flow Pres.			1		Recovered		Recovered	Feet of	
Final Closed in Pres.			2		Recovered		Recovered	Feet of	
Final Hydro Mud Pres.					Oil A.P.I. Gravity		Water Spec. Gravity		
Depth Bot. Gauge	2187	Ft.	yes	Blanked Off	Gas Gravity		Surface Pressure	psi	
BT. P.R.D. No.	310		12	Hour Clock	Tool Opened	2:00 pm	A.M. P.M.	Tool Closed	A.M. P.M.
Initial Hydro Mud Pres.	1096		1096		Remarks Tool opened for 30 minute first flow with				
Initial Closed in Pres.	542		535		very weak blow. Closed for 30 minute initial closed				
Initial Flow Pres.	18		1	25	in pressure. Reopened for 30 minute second flow with				
Final Flow Pres.	36		2	43	no blow-flushed tool with no results. Closed for				
Final Closed in Pres.	488		492		30 minute final closed in pressure.				
Final Hydro Mud Pres.	1105		1096						

FORMATION TEST DATA

5

UNDERWOOD "A"

Lease Name

Well No.

Test No.

CITIES SERVICE OIL COMPANY

Lease Owner/Company Name

County GREENWOOD

State KANSAS

Owner's District

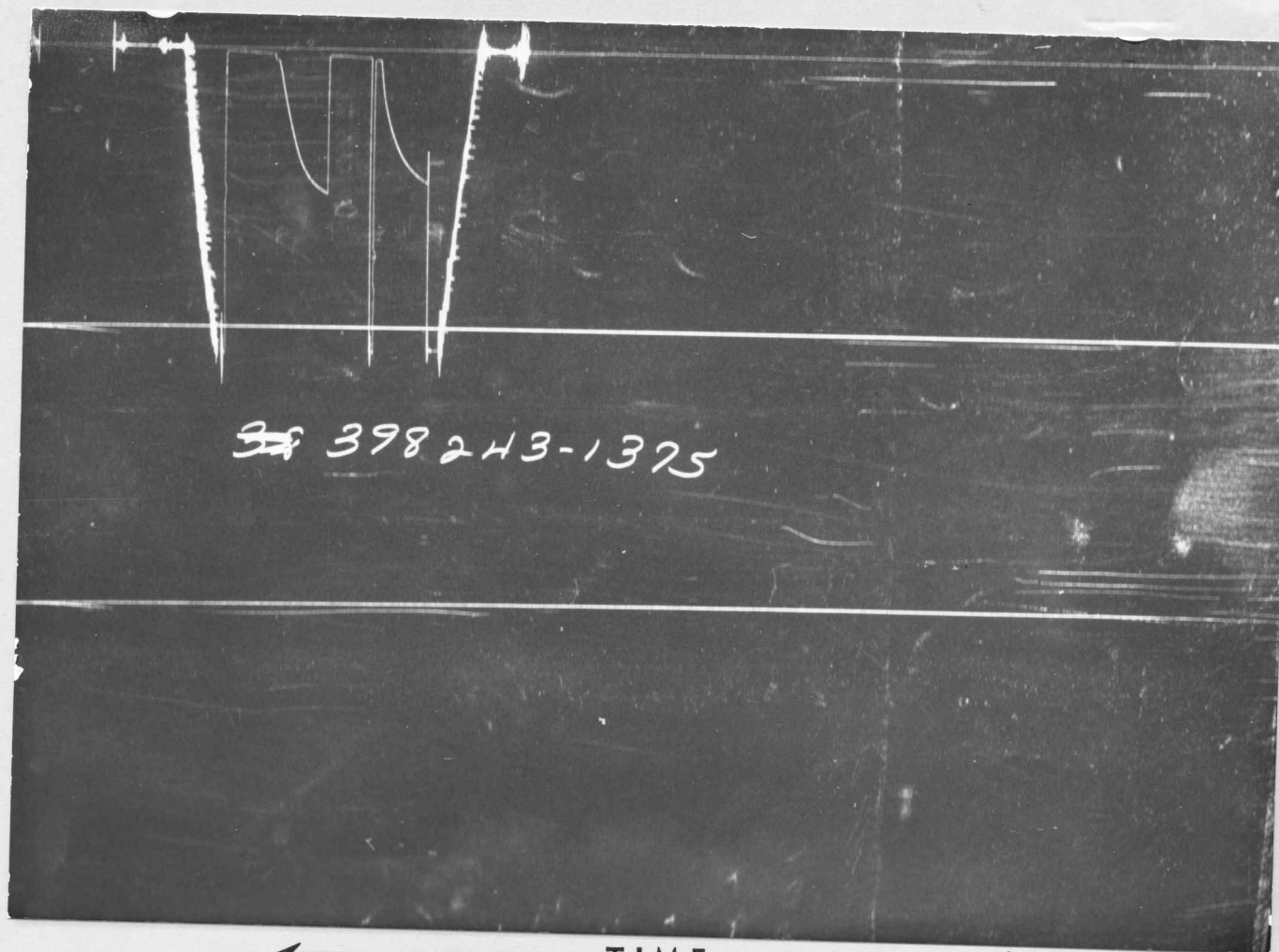
Gauge No. 1375			Depth 2172'			Clock 12 hour		Ticket No. 398243		
First Flow Period			Initial Closed In Pressure			Second Flow Period		Final Closed In Pressure		
	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t+\phi}{\phi}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t+\phi}{\phi}$	PSIG Temp. Corr.
P ₀	.000	14	.000		43	.000	29	.000		40
P ₁	.0414	14	.0204		128	.0410	27	.0196		188
P ₂	.0828	16	.0408		221	.0820	29	.0392		267
P ₃	.1242	18	.0612		301	.1230	31	.0588		322
P ₄	.1656	20	.0816		370	.1640	32	.0784		367
P ₅	.207	43*	.1020		423	.205	40	.0980		399
P ₆			.1224		457			.1176		424
P ₇			.1428		481			.1372		442
P ₈			.1632		500			.1568		458
P ₉			.1836		513			.1764		471
P ₁₀			.204		523			.196		481

Gauge No. 310			Depth 2187'			Clock 12 hour				
P ₀	.000	25	.000		34	.000	43	.000		49
P ₁	.0414	27	.0216		104	.0430	39	.0204		197
P ₂	.0828	30	.0432		206	.0860	40	.0408		276
P ₃	.1242	31	.0648		292	.1290	42	.0612		335
P ₄	.1656	33	.0864		368	.1720	43	.0816		376
P ₅	.207	34	.1080		421	.215	49	.1020		411
P ₆			.1296		462			.1224		434
P ₇			.1512		488			.1428		454
P ₈			.1728		509			.1632		470
P ₉			.1944		524			.1836		482
P ₁₀			.216		535			.204		492

Reading Interval	6		3		6		3	Minutes
REMARKS: * Questionable								

SPECIAL PRESSURE DATA

↑
PRESSURE
↓



← TIME →

