

Flow Time	1st Min. 7	2nd Min. 61	Date	4-5-63		Ticket Number	330622 S	
Closed In Press. Time	1st Min. 30	2nd Min. 30	Kind of Job	OPEN HOLE		Halliburton District	EL DORADO, KANSAS	
Pressure Readings	Field		Office Corrected	Tester W. GASPERSON		Witness	LEWIS R. OWEN	
Depth Top Gauge	1633 Ft.	no	Blanked Off	Drilling Contractor WHITE AND ELLIS DRILLING INCORPORATED				
BT. P.R.D. No.	538	12	Hour Clock	Elevation	Est. 1295' G.L.		Top Packer	
Initial Hydro Mud Pressure	8315	840		Total Depth	1658'		Bottom Packer	1650'
Initial Closed in Pres.	492	493		Interval Tested	1650' - 1658'		Formation Tested	Cherokee
Initial Flow Pres.	49	1	58	Casing or Hole Size	7 7/8"		Casing Perfs.	{ Top Bot.
Final Flow Pres.	113	1	119	Surface Choke	1"		Bottom Choke	3/4"
Final Closed in Pres.	464	460		Size & Kind Drill Pipe	3 1/2" IF.		Drill Collars Above Tester	I.D. - LENGTH 2 1/4" x 105'
Final Hydro Mud Pressure	831	827		Mud Weight	9.6		Mud Viscosity	42
Depth Cen. Gauge			Blanked Off	Temperature	79 °F Est. °F Actual		Anchor Size & Length	ID 3 1/2" X 8" OD 4"
BT. P.R.D. No.			Hour Clock	Depths Mea. From	Kelly Bushing		Depth of Tester Valve	1635 Ft.
Initial Hydro Mud Pres.				TYPE	AMOUNT		Depth Back Pres. Valve	
Initial Closed in Pres.				Cushion				
Initial Flow Pres.	1			Recovered	990 Feet of oil.			
Final Flow Pres.	2			Recovered	Feet of			
Final Flow Pres.	1			Recovered	Feet of			
Final Closed in Pres.	2			Recovered	Feet of			
Final Hydro Mud Pres.				Oil A.P.I. Gravity	35		Water Spec. Gravity	
Depth Bot. Gauge	1654 Ft.	yes	Blanked Off	Gas Gravity			Surface Pressure	psi
BT. P.R.D. No.	536	12	Hour Clock	Tool Opened	2:00 A.M.		Tool Closed	3:38 A.M.
Initial Hydro Mud Pres.	861	869		Remarks Tool opened @ 2:00AM for a seven minute first flow.				
Initial Closed in Pres.	504	506		Closed tool @ 2:07 AM for a 30 minute initial closed				
Initial Flow Pres.	91	1	102	in pressure. Re-opened tool @ 2:37 AM with strong				
Final Flow Pres.	174	2	185	to weak blow at end of 61 minute test. Closed tool				
Final Flow Pres.	156	1	158	@ 3:38 AM for 30 minute final closed in pressure.				
Final Closed in Pres.	478	472						
Final Hydro Mud Pres.		793						

FORMATION TEST DATA

5

GEHRT

Lease Name

Well No.

Test No.

CITIES SERVICE PETROLEUM COMPANY
Lease Owner/Company Name

MADISON, KANSAS
Owner's District

Legal Location
Sec. - Twp. Rng. SW SE NE 25 11 8E

Field Area
YAEGE

County
RILEY

State
KANSAS

Gauge No.		538		Depth		1633'		Clock		12 hour		Ticket No.		330622	
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	58	.000		119	.000	152	.000		388					
P ₁	.0062	72	.0208		411	.1033	275	.0209		422					
P ₂	.0124	90	.0416		440	.2066	330	.0418		430					
P ₃	.0186	105	.0624		453	.3099	363	.0627		436					
P ₄	.0248	116	.0832		462	.4201	388**	.0836		440					
P ₅	.0310	119	.1040		470			.1045		445					
P ₆			.1248		475			.1254		449					
P ₇			.1456		481			.1463		452					
P ₈			.1664		486			.1672		456					
P ₉			.1872		489			.1881		458					
P ₁₀			.2080		493			.2090		460					

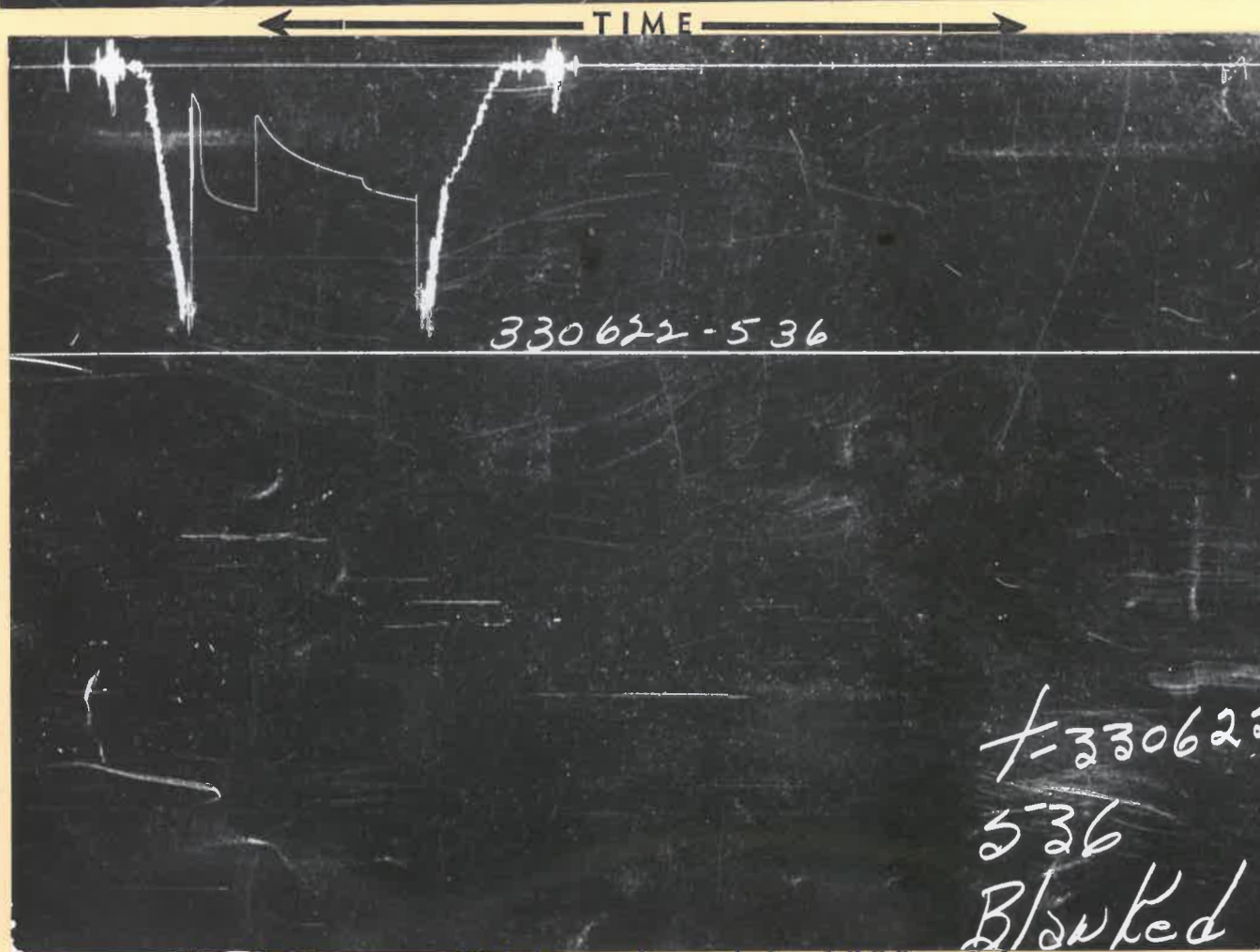
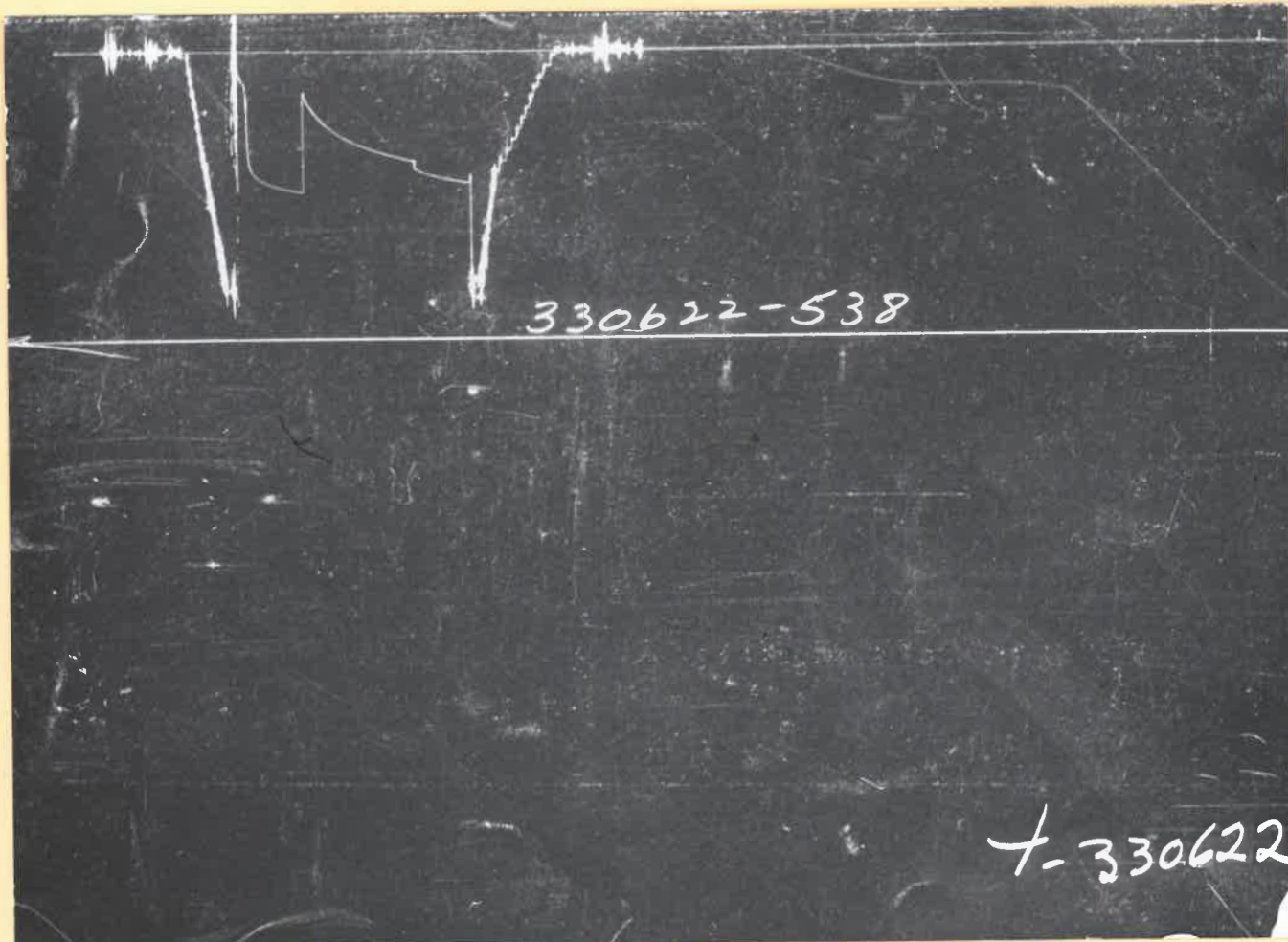
Gauge No. 536			Depth 1654'			Clock 12		hour		
P ₀	.000	102	.000		158	.000	185	.000		399
P ₁	.0064	105	.0215		430	.103	285	.0208		433
P ₂	.0128	116	.0430		454	.206	341	.0416		440
P ₃	.0192	129	.0645		467	.309	374	.0624		446
P ₄	.0256	146	.0860		476	.412	399	.0832		451
P ₅	.0320	158	.1075		483			.1040		456
P ₆			.1290		489			.1248		459
P ₇			.1505		494			.1456		463
P ₈			.1720		498			.1664		467
P ₉			.1935		502			.1872		470
P ₁₀			.2150		506			.2080		472

Reading Interval * 3 15 3 Minutes

REMARKS: * Time given and time recorded do not coincide. Cut into 5 equal intervals of no time value. ** Last interval equal to 16 minutes.

SPECIAL PRESSURE DATA

PRESSURE



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

GEHRT

Lease Name

5

2

CITIES SERVICE PETROLEUM CO.

Lease Owner/Company Name

MADISON

Owner's District

Legal Location
Sec. - Twp. - Rng.

25 11 8 SW SE NE

Field Area

YAEGE

County

RILEY

State KANSAS

Flow Time	1st 5	Min.	2nd 65	Min.	Date	4-5-63	Ticket Number	330623	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	W. GASPERSOON	Witness	LEWIS OWEN	
Depth Top Gauge	1647	Ft.	N	Blanked Off	Drilling Contractor	WHITE & ELLIS DRILLING INC.			
BT. P.R.D. No.	538		12	Hour Clock	Elevation	#st. 1295' @L.	Top Packer		
Initial Hydro Mud Pressure	841		842		Total Depth	1667'	Bottom Packer	1660'	
Initial Closed in Pres.	568		564		Interval Tested	1660-1667'	Formation Tested	Hunton	
Initial Flow Pres.	38	1	31		Casing or Hole Size	7 7/8"	Casing Perfs.	Top Bot.	
Final Flow Pres.	66	2	70		Surface Choke	1"	Bottom Choke	3/4"	
Final Closed in Pres.	426	2	432		Size & Kind Drill Pipe	3 1/2"	Drill Collars Above Tester	I.D. - LENGTH 2 1/4-105'	
Final Hydro Mud Pressure	-		828		Mud Weight	9.6	Mud Viscosity	42	
Depth Cen. Gauge	1665	Ft.	Yes	Blanked Off	Temperature	100 °F Est. °F Actual	Anchor Size & Length	ID 3 1/2 OD 4 X 7	
BT. P.R.D. No.	536		12	Hour Clock	Depths Mea. From	KB	Depth of Tester Valve	1645'	Ft.
Initial Hydro Mud Pres.			858		Cushion	-	Depth Back Pres. Valve	-	Ft.
Initial Closed in Pres.			574		Recovered	1025	Feet of	Oil	
Initial Flow Pres.		1	41		Recovered	120	Feet of	Oil cut mud	
Final Flow Pres.		2	99		Recovered		Feet of		
Final Closed in Pres.		1	87		Recovered		Feet of		
Final Hydro Mud Pres.		2	442		Recovered		Feet of		
Initial Closed in Pres.			569		Oil A.P.I. Gravity	32	Water Spec. Gravity		
Initial Flow Pres.			848		Gas Gravity		Surface Pressure		psi
Final Flow Pres.					Tool Opened	12:45 PM	A.M. P.M.	Tool Closed	A.M. P.M.
Final Closed in Pres.					Remarks	Tool opened for a 5 minute first flow. Ro-			
Final Hydro Mud Pres.						tated tool for a 30 minute initial closed in press-			
						ure. Reopened tool with strong to fair blow for			
						65 minute second flow. Took a 30 minute final c			
						losed in pressure. Off bottom at 2:55 PM			

FORMATION TEST DATA

5

40-25-

Gauge No. 538			Depth 1647			Clock 12 hour		Ticket No. 330623		
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	31	.000		75	.000	70	.000		432
P ₁	.005	40	.021		532	.100	215	.0215		537
P ₂	.010	50	.042		544	.201	307	.0430		543
P ₃	.015	60	.063		552	.301	372	.0645		548
P ₄	.020	68	.084		556	.435	432*	.0860		550
P ₅	.025	75	.105		559			.1075		553
P ₆			.126		561			.1290		554
P ₇			.147		562			.1505		556
P ₈			.168		563			.1720		556
P ₉			.189		564			.1935		557
P ₁₀			.210		564			.2150		557

Gauge No. 536			Depth 1665			Clock 12 hour				
P ₀	.000	41	.000		87	.000	99	.000		442
P ₁	.0054	54	.0203		541	.0937	219	.0212		545
P ₂	.0108	65	.0406		556	.1874	309	.0424		553
P ₃	.0162	74	.0609		562	.2811	373	.0636		558
P ₄	.0216	80	.0812		567	.4060	442*	.0848		562
P ₅	.0270	87	.1015		570			.1060		563
P ₆			.1218		572			.1272		565
P ₇			.1421		573			.1484		566
P ₈			.1624		574			.1696		567
P ₉			.1827		574			.1908		568
P ₁₀			.2030		574			.2120		569
Reading Interval 1			3			15		3 Minutes		

REMARKS: * Last interval equals 20 minutes.

SPECIAL PRESSURE DATA

