

Flow Time	1st 30 Min.	2nd 30 Min.	Date	7-6-67	Ticket Number	449360-S
Closed In Press. Time	1st 30 Min.	2nd 30 Min.	Kind of Job	Open hole	Halliburton District	E1 Dorado
Pressure Readings	Field	Office Corrected	Tester	Bob ONeal	Witness	T. Rigsby
Depth Top Gauge	1779 Ft.	Blanked Off no	Drilling Contractor	EUREKA DRILLING COMPANY	sm	
BT. P.R.D. No.	698	12 Hour Clock	Elevation	1221' KB	Top Packer	
Initial Hydro Mud Pressure		905	Total Depth	1810'	Bottom Packer	1777'
Initial Closed in Pres.		807	Interval Tested	1777-1810'	Formation Tested	Peru
Initial Flow Pres.	1	19	Casing or Hole Size	7 7/8"	Casing Perfs. { Top Bot.	
	2	31				
Final Flow Pres.	1	23	Surface Choke	1/4"	Bottom Choke	3/4"
Final Closed in Pres.		768	Size & Kind Drill Pipe	3 1/2" IF	Drill Collars Above Tester	I.D. - LENGTH 2 1/4 x 145'
Final Hydro Mud Pressure		903	Mud Weight	9.5	Mud Viscosity	39
Depth Con. Gauge	Ft.	Blanked Off	Temperature	°F Est.	Anchor Size & Length	ID 2 3/8" OD 5" X 33'
BT. P.R.D. No.		Hour Clock	Depths Mea. From	Kelly bushing	Depth of Tester Valve	1767 Ft.
Initial Hydro Mud Pres.			TYPE AMOUNT		Depth Back Pres. Valve	1762 Ft.
Initial Closed in Pres.			Recovered	25 Feet of	drilling mud	
Initial Flow Pres.	1		Recovered	Feet of		
Final Flow Pres.	1		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	1806 Ft.	Blanked Off yes	Gas Gravity		Surface Pressure	psi
BT. P.R.D. No.	697	12 Hour Clock	Tool Opened	4:25 AM	A.M. P.M.	Tool Closed 5:55 PM A.M. P.M.
Initial Hydro Mud Pres.		918	Remarks Tool opened for a 30 minute first flow with			
Initial Closed in Pres.		817	a very weak blow. Rotated tool for a 30 minute			
Initial Flow Pres.	1	27	initial closed in pressure. Tool re-opened with			
Final Flow Pres.	1	32	no blow. Took a 30 minute final closed in pressure.			
Final Closed in Pres.		778	CIP's questionable due to S type curves.			
Final Hydro Mud Pres.		918				

GILBREATH
 Lease Name
 36 22S 10E
 Well No.
 A-1
 Test No. 1
 Field Area
 WILLOW CREEK
 County
 GREENWOOD
 State
 KANSAS
 CITIES SERVICE OIL COMPANY
 Lease Owner/Company Name
 AUGUSTA
 Owner's District
 36-22

FORMATION TEST DATA

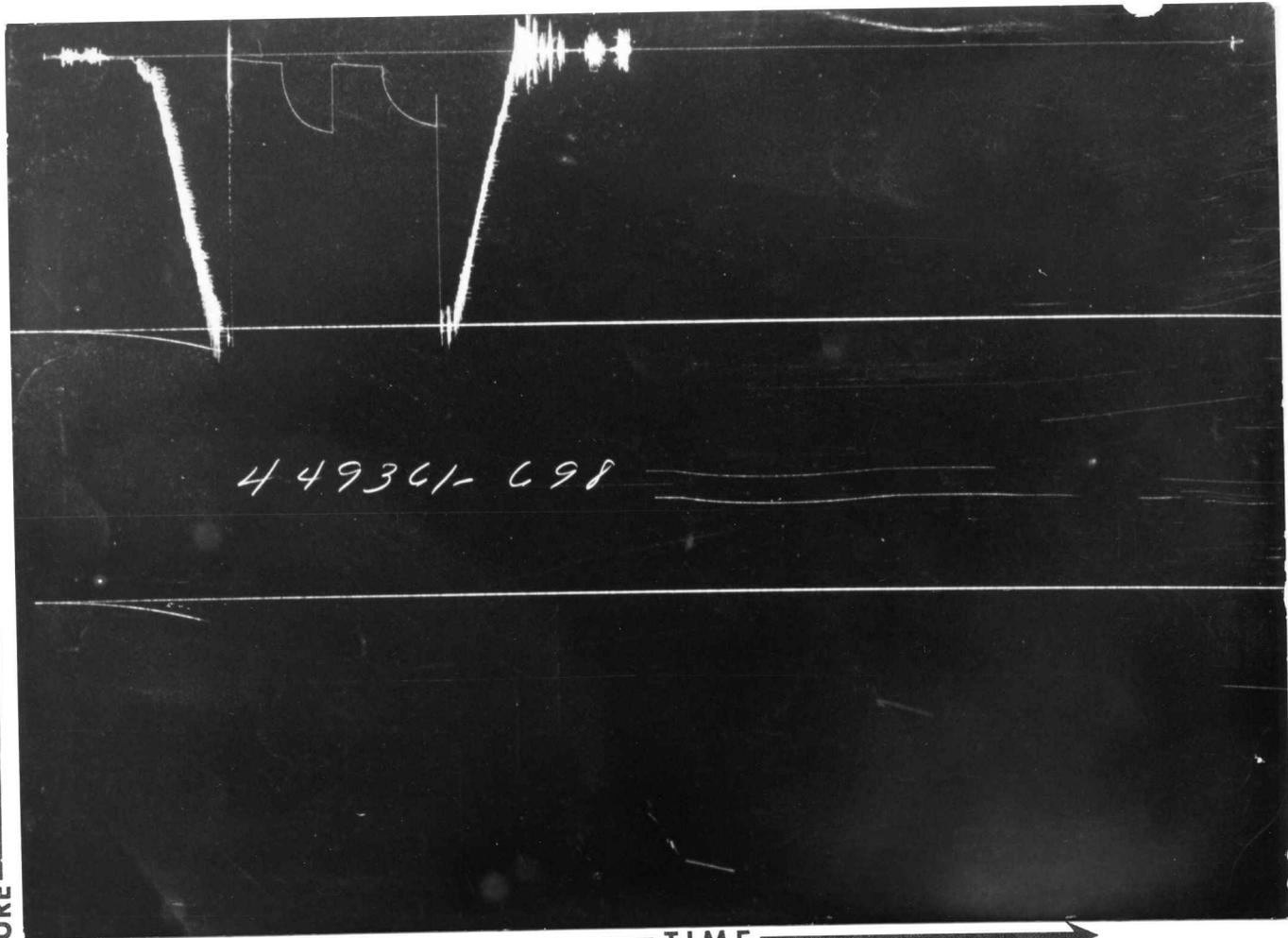
Gauge No.		698		Depth		1779'		Clock		12 hour		Ticket No.		449360	
First Flow Period		Initial Closed In Pressure				Second Flow Period		Final Closed In Pressure							
	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t + \theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t + \theta}{\theta}$	PSIG Temp. Corr.					
P ₀	.000	19	.000		23	.000	31	.000		28					
P ₁	.042	20	.0208		48	.043	28	.0217		42					
P ₂	.084	21	.0416		164	.086	28	.0434		90					
P ₃	.126	21	.0624		417	.129	28	.0651		226					
P ₄	.168	22	.0832		577	.172	28	.0868		426					
P ₅	.210	23	.1040		666	.215	28	.1085		565					
P ₆			.1248		718			.1302		648					
P ₇			.1456		751			.1519		696					
P ₈			.1664		775			.1736		728					
P ₉			.1872		793			.1953		751					
P ₁₀			.2080		807			.2170		768					

Gauge No.		697		Depth		1806'		Clock		12 hour	
	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	27	.000		32	.000	39	.000		37	
P ₁	.0414	29	.020		60	.0424	36	.0209		55	
P ₂	.0828	29	.040		192	.0848	36	.0418		105	
P ₃	.1242	30	.060		436	.1272	36	.0627		254	
P ₄	.1656	31	.080		595	.1696	36	.0836		461	
P ₅	.2070	32	.100		679	.2120	37	.1045		586	
P ₆			.120		729			.1254		660	
P ₇			.140		762			.1463		707	
P ₈			.160		785			.1672		739	
P ₉			.180		803			.1881		761	
P ₁₀			.200		817			.2090		778	
Reading Interval		6		3		6		3		Minutes	

REMARKS:

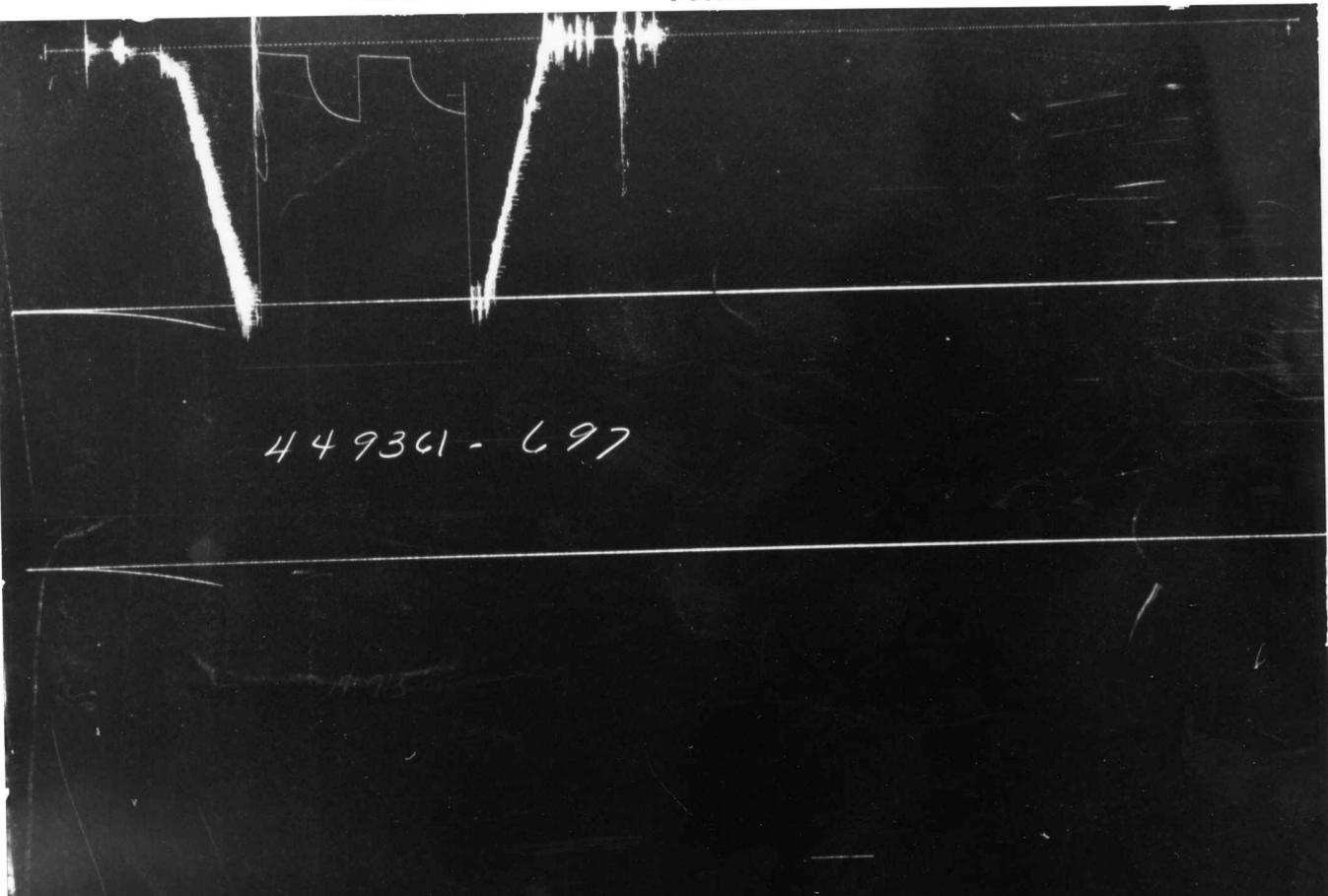
SPECIAL PRESSURE DATA

5



PRESSURE

TIME



GILBREATH

Lease Name

Well No.

Test No.

GILLES SERVICE OIL COMPANY

Lease Owner/Company Name

AUGUSTA

Owner's District

Legal Location
Sec. - Twp. - Rng.

36-22-10E

Field Area

WILLOW CREEK

County

GREENWOOD

State

KANSAS

Flow Time	1st Min. 30	2nd Min. 30	Date	7-7-67	Ticket Number	449361 S
Closed In Pres. Time	1st Min. 30	2nd Min. 30	Kind of Job	OPEN HOLE	Halliburton District	ELDORADO
Pressure Readings	Field	Office Corrected	Tester	MR. O'NEAL	Witness	MR. RIGSBY
Depth Top Gauge	1998 Ft.	Blanked Off no	Drilling Contractor	EUREKA DRILLING COMPANY		SS
BT. P.R.D. No.	698	Hour Clock 12	Elevation	1221 KB	Top Packer	-
Initial Hydro Mud Pressure	-	1028	Total Depth	2025'	Bottom Packer	1996'
Initial Closed in Pres.	-	289	Interval Tested	1996' - 2025'	Formation Tested	CATTLEMAN
Initial Flow Pres.	-	1 13	Casing or Hole Size	6 1/8"	Casing Perfs. { Top	
Final Flow Pres.	-	2 41	Surface Choke	1/4"	Bottom Choke	3/4"
Final Closed in Pres.	-	1 33	Size & Kind Drill Pipe	3 1/2" IF	Drill Collars Above Tester	I.D. - LENGTH 2 1/2" X 145'
Final Hydro Mud Pressure	-	2 51	Mud Weight	10.	Mud Viscosity	40
Depth Cen. Gauge	Ft.	Blanked Off	Temperature	100 cacl. °F Est. °F Actual	Anchor Size & Length	ID 2 3/8" OD 5" X 29'
BT. P.R.D. No.		Hour Clock	Depths Mea. From	KELLY BUSHING	Depth of Tester Valve	1995 Ft.
Initial Hydro Mud Pres.			Cushion	- Ft.	Depth Back Pres. Valve	DCIP 1990' Ft.
Initial Closed in Pres.			Recovered	85 Feet of watery mud.	Mea. From Tester Valve	
Initial Flow Pres.	1		Recovered	Feet of		
Final Flow Pres.	2		Recovered	Feet of		
Final Closed in Pres.	1		Recovered	Feet of		
Final Hydro Mud Pres.	2		Recovered	Feet of		
Depth Bot. Gauge	2021 Ft.	Blanked Off yes	Oil A.P.I. Gravity		Water Spec. Gravity	
BT. P.R.D. No.	697	Hour Clock 12	Gas Gravity		Surface Pressure	psi
Initial Hydro Mud Pres.	-	1042	Tool Opened	3:30 pm A.M. P.M.	Tool Closed	5:00 pm A.M. P.M.
Initial Closed in Pres.	-	301	Remarks	Tool opened for 30 minute first flow with a very weak blow. Closed for 30 minute initial closed in pressure. Reopened for 30 minute second flow with a very weak blow. Closed for 30 minute final closed in pressure.		
Initial Flow Pres.	-	1 24				
Final Flow Pres.	-	2 51				
Final Closed in Pres.	-	1 43				
Final Hydro Mud Pres.	-	2 62				
Final Closed in Pres.	-	283				
Final Hydro Mud Pres.	-	1033				

FORMATION TEST DATA

36-2

Gauge No. 698		Depth 1998'			Clock 12 hour		Ticket No. 449361			
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	13	.000		33	.000	41	.000		51
P ₁	.0436	17	.0206		156	.0414	38	.0217		155
P ₂	.0872	23	.0412		197	.0828	43	.0434		185
P ₃	.1308	26	.0618		226	.1242	45	.0651		207
P ₄	.1744	29	.0824		245	.1656	48	.0828		225
P ₅	.218	33	.1030		259	.207	51	.1085		239
P ₆			.1236		269			.1302		248
P ₇			.1442		277			.1519		257
P ₈			.1648		282			.1736		263
P ₉			.1854		286			.1953		268
P ₁₀			.206		289			.217		272

Gauge No. 697		Depth 2021'			Clock 12 hour					
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	24	.000		43	.000	51	.000		62
P ₁	.0422	28	.020		168	.0402	51	.0209		166
P ₂	.0844	33	.040		208	.0804	54	.0418		198
P ₃	.1266	37	.060		238	.1206	57	.0627		221
P ₄	.1688	41	.080		258	.1608	60	.0836		238
P ₅	.211	43	.100		272	.201	62	.1045		250
P ₆			.120		281			.1254		260
P ₇			.140		288			.1463		268
P ₈			.160		294			.1672		274
P ₉			.180		298			.1881		279
P ₁₀			.200		301			.209		283
Reading Interval 6					3		6		3	
									Minutes	

REMARKS:

SPECIAL PRESSURE DATA

