

Flow Time	1st 5	Min.	2nd 60	Min.	Date	8-29-64	Ticket Number	419178 - S
Closed In Press. Time	1st 30	Min.	2nd 30	Min.	Kind of Job	OPEN HOLE	Halliburton District	GREAT BEND
Pressure Readings	Field		Office Corrected		Tester	MR. OLIVER	Witness	MR. MC COLLUM
Depth Top Gauge	4421	Ft.	NO	Blanked Off	Drilling Contractor	PEEL BROTHERS INCORPORATED	IC	
BT. P.R.D. No.	1463		12	Hour Clock	Elevation	2298' D.F.	Top Packer	4432'
Initial Hydro Mud Pressure	2468		2377		Total Depth	4439'	Bottom Packer	-
Initial Closed in Pres.	1301		1296		Interval Tested	4432' - 4439'	Formation Tested	MISSISSIPPI
Initial Flow Pres.	5	1	13		Casing or Hole Size	7 5/8"	Casing Perfs.	Top
	9	2	17					Bot.
Final Flow Pres.	9	1	13		Surface Choke	1"	Bottom Choke	7/8"
Final Closed in Pres.	1182		1172		Size & Kind Drill Pipe	4 1/2"	Drill Collars Above Tester	I.D. - LENGTH
Final Hydro Mud Pressure	2468		2367		Mud Weight	10.2	Mud Viscosity	45
Depth Cen. Gauge		Ft.		Blanked Off	Temperature	100 °F Est.	Anchor Size & Length	ID OD X
BT. P.R.D. No.				Hour Clock	Depths Mea. From	KELLY BUSHINGS	Depth of Tester Valve	4420' Ft.
Initial Hydro Mud Pres.					TYPE AMOUNT		Depth Back Pres. Valve	Ft.
Initial Closed in Pres.					Cushion	-		
Initial Flow Pres.		1			Recovered	60	Feet of	Oil & gas cut mud
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	4433	Ft.	NO	Blanked Off	Oil A.P.I. Gravity	-	Water Spec. Gravity	-
BT. P.R.D. No.	396		12	Hour Clock	Gas Gravity	-	Surface Pressure	psi
Initial Hydro Mud Pres.	2460		2383		Tool Opened	-	Tool Closed	-
Initial Closed in Pres.	1301		1297			A.M. P.M.		A.M. P.M.
Initial Flow Pres.	5	1	25		Remarks Opened tool for 5 minute 1st flow with very			
Final Flow Pres.	9	2	30		weak blow. Closed tool for 30 minute initial close			
Final Closed in Pres.	1196		1174		in pressure. Reopened tool for 60 minute 2nd flow			
Final Hydro Mud Pres.	2460		2373		with no blow for 3 minutes and then very faint blow			
					for 16 minutes. Bypassed tool after 30 minutes			
					and reopened tool with a very faint blow that was			
					dead in 5 minutes. Closed tool for 30 minute final			
					closed in pressure.			

FORMATION TEST DATA

MOORE  
 Lease Name  
 B-3  
 Well No.  
 2  
 Test No.  
 SEC. 30 - 19 - 21W  
 Field Area  
 NESS  
 County  
 KANSAS  
 Owner's District  
 CITIES SERVICE OIL COMPANY  
 Lease Owner/Company Name

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Gauge No. 1463			Depth 4421'			Clock 12 hour		Ticket No. 419178		
First Flow Period		Initial Closed In Pressure			Second Flow Period		Final Closed In Pressure			
Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t+\theta}{e}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t+\theta}{e}$	PSIG Temp. Corr.	
P <sub>0</sub>	.000	13	.000		13	.000	17	.000		33
P <sub>1</sub>	.041	13	.0196		600	.1193	21	.0214		60
P <sub>2</sub>			.0392		1002	.2386	28	.0428		135
P <sub>3</sub>			.0588		1109	.3579	31	.0642		458
P <sub>4</sub>			.0784		1171	.4770	33	.0856		807
P <sub>5</sub>			.0980		1212			.1070		953
P <sub>6</sub>			.1176		1238			.1284		1035
P <sub>7</sub>			.1372		1253			.1498		1084
P <sub>8</sub>			.1568		1273			.1712		1121
P <sub>9</sub>			.1764		1286			.1926		1149
P <sub>10</sub>			.1960		1296			.2140		1172

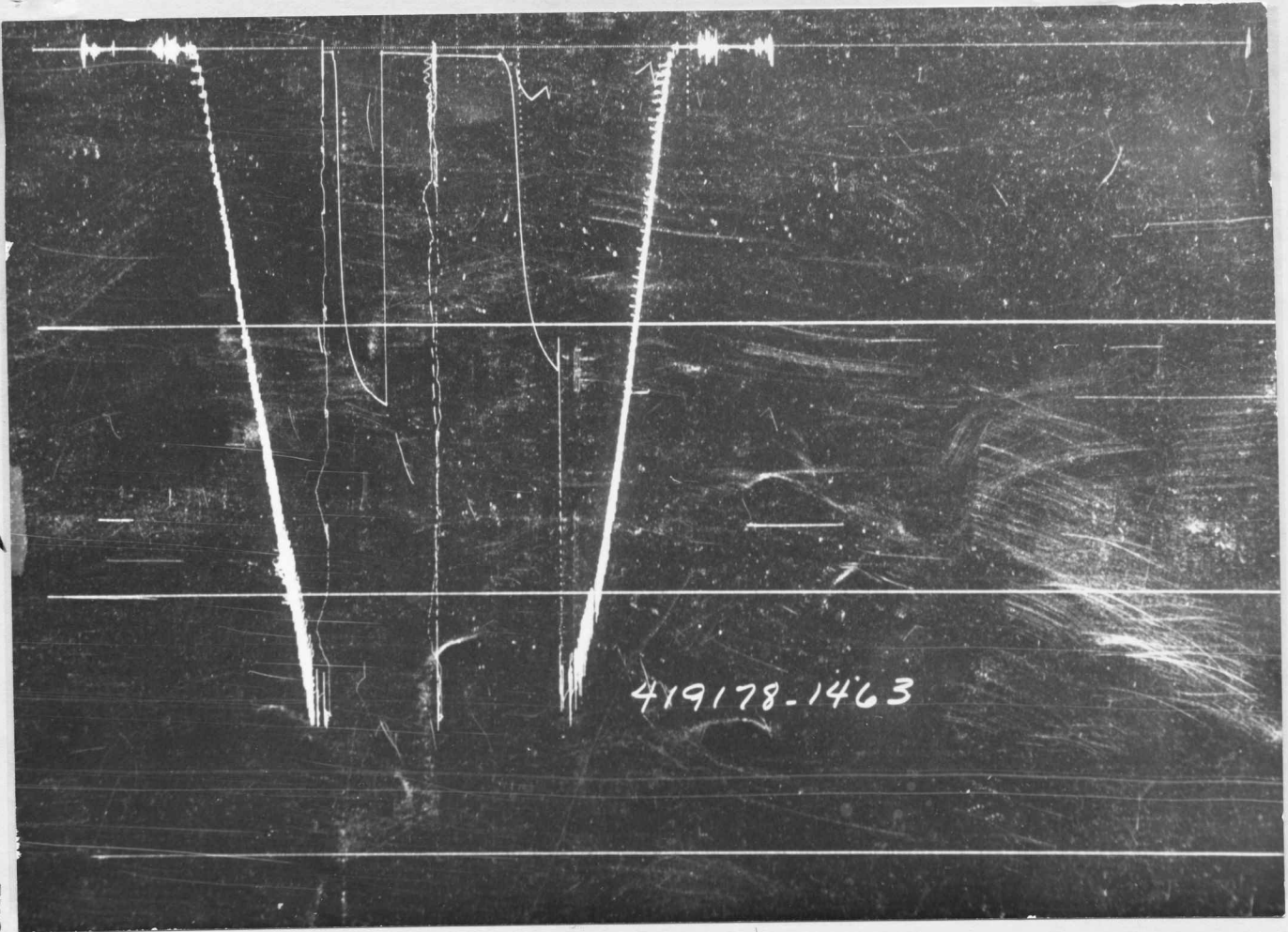
Gauge No. 396			Depth 4433'			Clock 12 hour				
Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t+\theta}{e}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t+\theta}{e}$	PSIG Temp. Corr.	
P <sub>0</sub>	.000	25	.000		20	.000	30	.000		37
P <sub>1</sub>	.042	20	.0197		362	.1218	24	.0213		64
P <sub>2</sub>			.0394		932	.2436	32	.0426		132
P <sub>3</sub>			.0591		1087	.3654	34	.0639		388
P <sub>4</sub>			.0788		1158	.4870	37	.0852		757
P <sub>5</sub>			.0985		1206			.1065		928
P <sub>6</sub>			.1182		1235			.1278		1020
P <sub>7</sub>			.1379		1256			.1491		1080
P <sub>8</sub>			.1576		1272			.1704		1118
P <sub>9</sub>			.1773		1286			.1917		1149
P <sub>10</sub>			.1970		1297			.2130		1174
Reading Interval		3			15		3			Minutes

REMARKS:

**SPECIAL PRESSURE DATA**

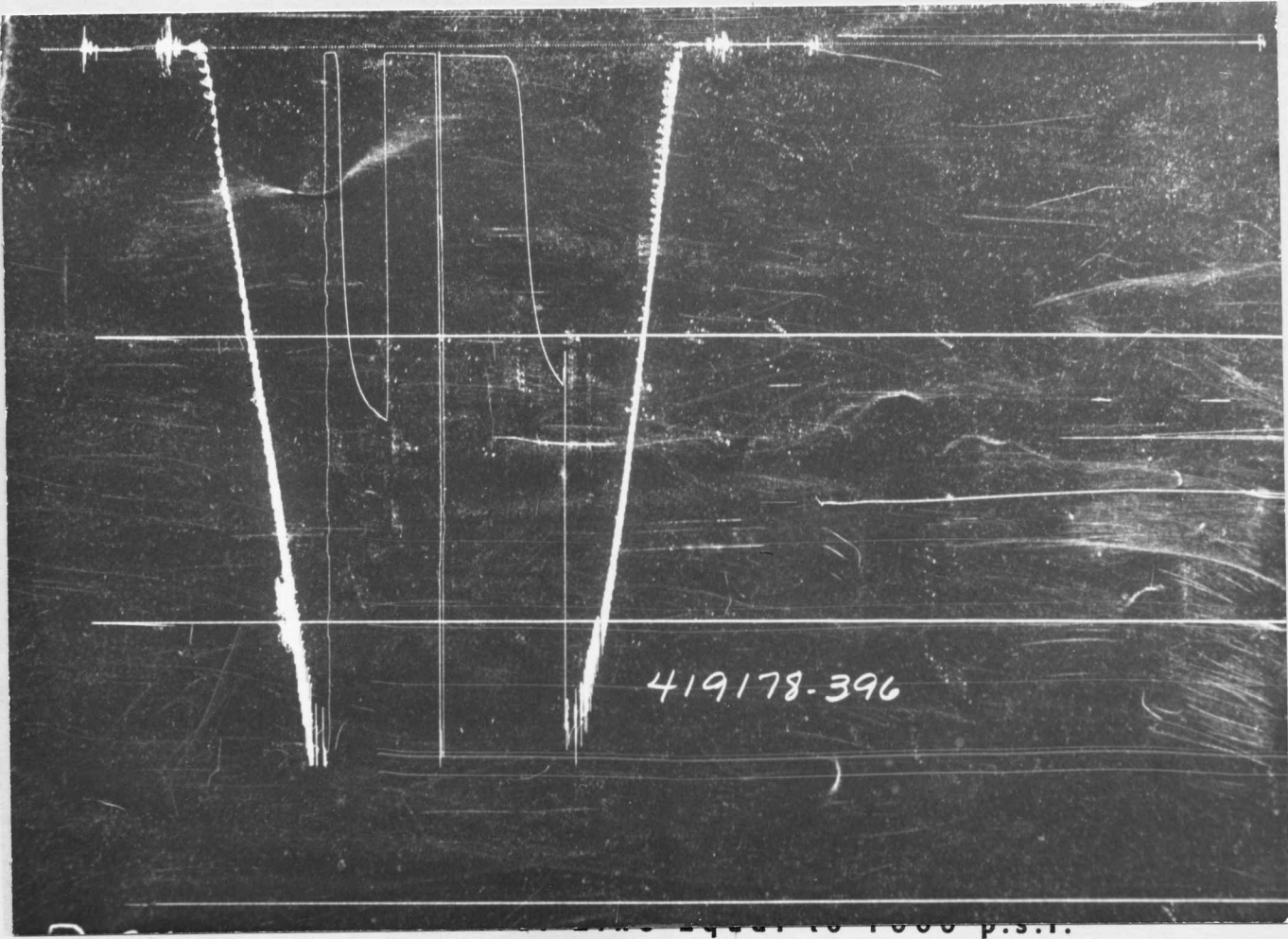
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↑  
PRESSURE  
↓



← TIME →

↑  
PRESSURE  
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Scale bar equal to 1000 p.s.i.

Flow Time	1st 5 Min.	2nd 90 Min.	Date	8-29-64	Ticket Number	419179 - S
Closed In Press. Time	1st 30 Min.	2nd 30 Min.	Kind of Job	OPEN HOLE	Halliburton District	GREAT BEND
Pressure Readings	Field	Office Corrected	Tester	OLIVER	Witness	MC COLLUM
Depth Top Gauge	4428' Ft.	NO Blanked Off	Drilling Contractor	PEEL BROTHERS, INCORPORATED		BM
BT. P.R.D. No.	1463	12 Hour Clock	Elevation	2298' D.F.	Top Packer	4439'
Initial Hydro Mud Pressure		2475	Total Depth	4447' (NET PAY 8')	Bottom Packer	-
Initial Closed in Pres.		1335	Interval Tested	4439' - 4447'	Formation Tested	-
Initial Flow Pres.		1 16	Casing or Hole Size	7 5/8"	Casing Perfs. Top	-
Final Flow Pres.		2 24	Surface Choke	1"	Bottom Choke	7/8"
Final Closed in Pres.		1 22	Size & Kind Drill Pipe	4 1/2" ACME	Drill Collars Above Tester	-
Final Hydro Mud Pressure		2 63	Mud Weight	10.2	Mud Viscosity	45
Depth Cen. Gauge		1232	Temperature	95 °F Actual	Anchor Size & Length	ID - X - OD -
BT. P.R.D. No.		2428	Blanked Off		Depth of Tester Valve	4427' Ft.
Initial Hydro Mud Pres.			Hour Clock		Depth Back Pres. Valve	- Ft.
Initial Closed in Pres.			TYPE	AMOUNT		
Initial Flow Pres.			Cushion	NONE		
Final Flow Pres.			Recovered	15'	Feet of	slightly mud cut oil
Final Closed in Pres.			Recovered	90'	Feet of	heavy mud cut oil
Final Hydro Mud Pres.			Recovered	30'	Feet of	muddy salt water
Depth Bot. Gauge	4441' Ft.	NO Blanked Off	Recovered		Feet of	
BT. P.R.D. No.	396	12 Hour Clock	Oil A.P.I. Gravity		Water Spec. Gravity	
Initial Hydro Mud Pres.	2540	2447	Gas Gravity		Surface Pressure	psi
Initial Closed in Pres.	1327	1337	Tool Opened	1:22 PM	A.M. P.M.	Tool Closed 3:50 A.M. P.M.
Initial Flow Pres.	9	1 27	Remarks	On bottom @ 1:17 PM - set packer - opened tool for a 5 minute first flow with a weak blow @ 1:22 PM. Rotated tool for a 30 minute initial closed in pressure. Tool reopened with a fair blow, which continued throughout the test. Took a 30 minute final closed in pressure. Unseated packer.		
Final Flow Pres.	21	1 24				
Final Closed in Pres.	70	2 67				
Final Hydro Mud Pres.	1239	1235				
	2540	2427				

### FORMATION TEST DATA

Legal Location Sec. - Twp. - Rng. 30 - 19 - 21W  
 Lease Name MOORE  
 Well No. B-3  
 Test No. 3  
 Field Area  
 County NESS  
 Lease Owner/Company Name CITIES SERVICE OIL COMPANY  
 State KANSAS  
 Owner's District 5

Gauge No.		1463		Depth		4428'		Clock		12 hour		Ticket No.		419179	
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 <sub>0</sub>	.000	16	.000		22	.000	24	.000		63					
P <sub>1</sub>	.0096	16	.0187		677	.1068	29	.0189		263					
P <sub>2</sub>	.0192	16	.0374		1033	.2136	36	.0378		758					
P <sub>3</sub>	.0288	17	.0561		1157	.3204	43	.0567		949					
P <sub>4</sub>	.0384	17	.0748		1222	.4272	51	.0756		1056					
P <sub>5</sub>	.048	22	.0935		1261	.5340	57	.0945		1114					
P <sub>6</sub>			.1122		1288	.641	63	.1134		1152					
P <sub>7</sub>			.1309		1306			.1323		1180					
P <sub>8</sub>			.1496		1318			.1512		1200					
P <sub>9</sub>			.1683		1327			.1701		1218					
P <sub>10</sub>			.187		1335			.189		1232					

Gauge No.		396		Depth		4441'		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 <sub>0</sub>	.000	27	.000		24	.000	37	.000		67	
P <sub>1</sub>	.0088	23	.0189		372	.1053	35	.0194		233	
P <sub>2</sub>	.0176	23	.0378		914	.2106	42	.0388		682	
P <sub>3</sub>	.0264	23	.0567		1122	.3159	50	.0582		921	
P <sub>4</sub>	.0352	23	.0756		1216	.4212	56	.0776		1037	
P <sub>5</sub>	.044	24	.0945		1259	.5265	62	.0970		1105	
P <sub>6</sub>			.1134		1286	.632	67	.1164		1150	
P <sub>7</sub>			.1323		1306			.1358		1179	
P <sub>8</sub>			.1512		1319			.1552		1202	
P <sub>9</sub>			.1701		1330			.1746		1221	
P <sub>10</sub>			.189		1337			.194		1235	
Reading Interval		1		3		15		3		Minutes	

REMARKS:

**SPECIAL PRESSURE DATA**

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9E44

419179-1463

PRESSURE

TIME

419179-396

Each horizontal line equal to 1000 p.s.i.