

Flow Time	1st	Min.	2nd	Min.	Date	10-12-63	Ticket Number	371317-S
Closed In Press. Time	1st	Min.	2nd	Min.	Kind of Job	Open hole	Halliburton District	Great Bend
Pressure Readings	Field		Office Corrected		Tester	R. Adams Jr.	Witness	Frank Mc Collum
Depth Top Gauge	4172	Ft.	no	Blanked Off	Drilling Contractor	PEEL BROTHERS INC.		
BT. P.R.D. No.	396		12	Hour Clock	Elevation	2187'	Top Packer	4180'
Initial Hydro Mud Pressure	2230		2324		Total Depth	4198'	Bottom Packer	
Initial Closed in Pres.	855		847		Interval Tested	4180-98'	Formation Tested	Cherokee
Initial Flow Pres.	419		1	*	Casing or Hole Size	7 7/8"	Casing Perfs.	Top Bot.
Final Flow Pres.	803		1	*	Surface Choke	1"	Bottom Choke	1"
Final Closed in Pres.	820		827		Size & Kind Drill Pipe	4 1/2" Acme	Drill Collars Above Tester	
Final Hydro Mud Pressure	2194		2228		Mud Weight	10.1	Mud Viscosity	64
Depth Cen. Gauge	4198	Ft.	yes	Blanked Off	Temperature	109	Anchor Size & Length	ID 3 1/2 OD 4 1/2 X 18
BT. P.R.D. No.	1463		12	Hour Clock	Depths Mea. From	Derrick floor	Depth of Tester Valve	4167 Ft.
Initial Hydro Mud Pres.	2141		2272		Cushion		Depth Back Pres. Valve	
Initial Closed in Pres.	838		855		Recovered	333	Feet of muddy water	
Initial Flow Pres.	472		1	340	Recovered	1253	Feet of clear slightly oil specked salt water	
Final Flow Pres.	785		1	373	Recovered	60	Feet of sand	
Final Closed in Pres.	803		836		Recovered		Feet of	
Final Hydro Mud Pres.	2105		2242		Oil A.P.I. Gravity		Water Spec. Gravity	
Depth Bot. Gauge		Ft.		Blanked Off	Gas Gravity		Surface Pressure	psi
BT. P.R.D. No.				Hour Clock	Tool Opened	9:07	Tool Closed	10.40
Initial Hydro Mud Pres.					Remarks	Tool opened with a good blow for a 3 minute		
Initial Closed in Pres.						first flow. Rotated for a 30 minute initial		
Initial Flow Pres.			1			closed in pressure. Tool reopened with a good to		
Final Flow Pres.			1			strong blow - to weak blow for 60 minute second		
Final Closed in Pres.			2			flow. Took a 30 minute final closed in pressure.		
Final Hydro Mud Pres.						*Unable to read		

FORMATION TEST DATA

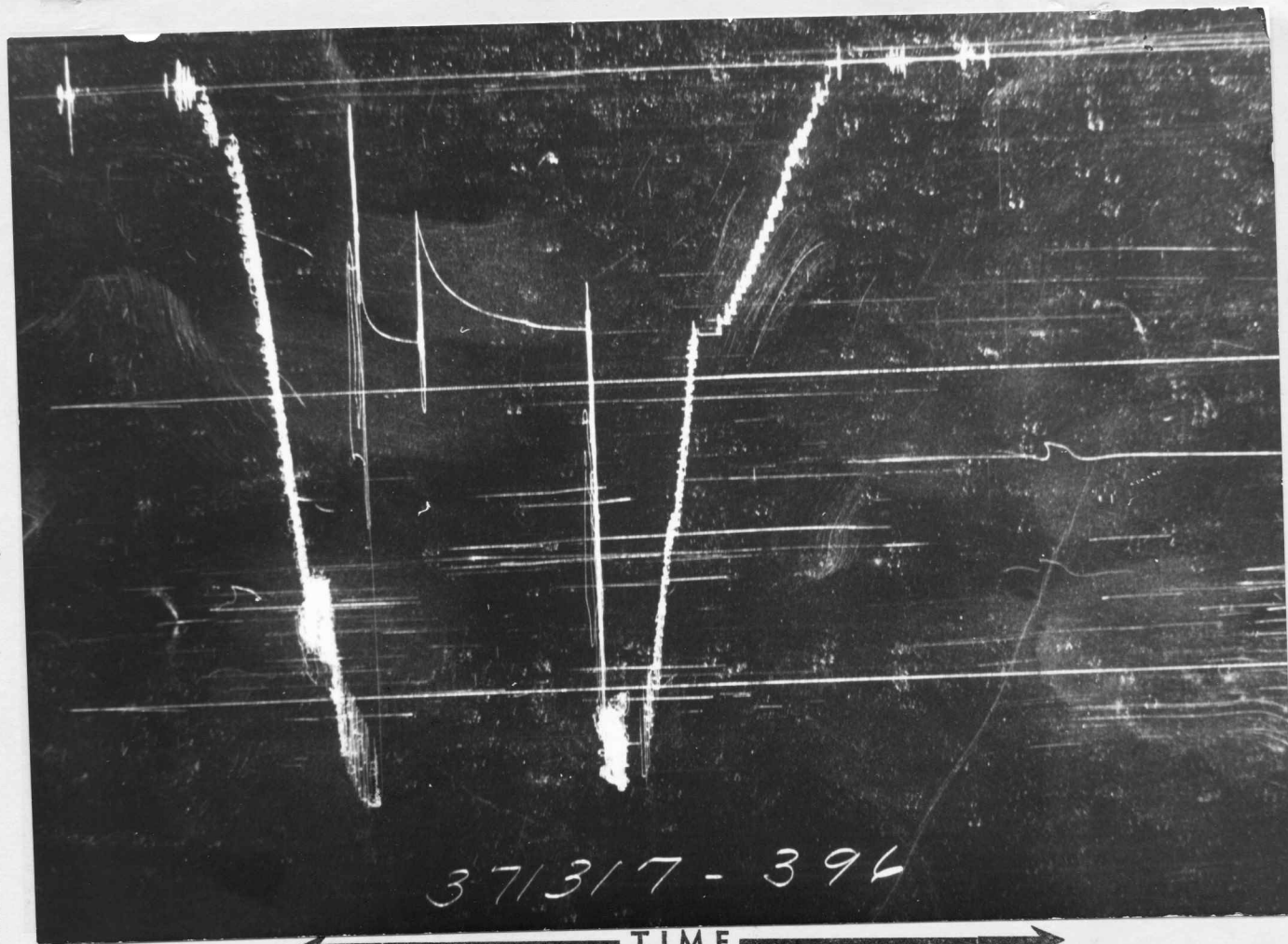
RISSE
 Lease Name
 A-6
 Well No.
 1
 Test No.
 CITIES SERVICE OIL COMPANY
 Lease Owner/Company Name
 GREAT BEND
 Owner's District
 KANSAS
 State

Gauge No. 396		Depth 11721		Clock 12 hour		Ticket No. 371317				
First Flow Period		Initial Closed In Pressure			Second Flow Period		Final Closed In Pressure			
	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t + e}{e}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t + e}{e}$	PSIG Temp. Corr.
P ₀			.000		427	.000	448	.000		797
P ₁	Unable to		.0205		748	.0982	673	.0223		807
P ₂	read		.0410		787	.1964	740	.0446		812
P ₃			.0615		806	.2996	777	.0669		815
P ₄			.0820		818	.3928	797	.0892		818
P ₅			.1025		827			.1115		820
P ₆			.1230		834			.1338		822
P ₇			.1435		838			.1561		824
P ₈			.1640		841			.1784		826
P ₉			.1845		844			.2007		827
P ₁₀			.2050		847			.2230		827

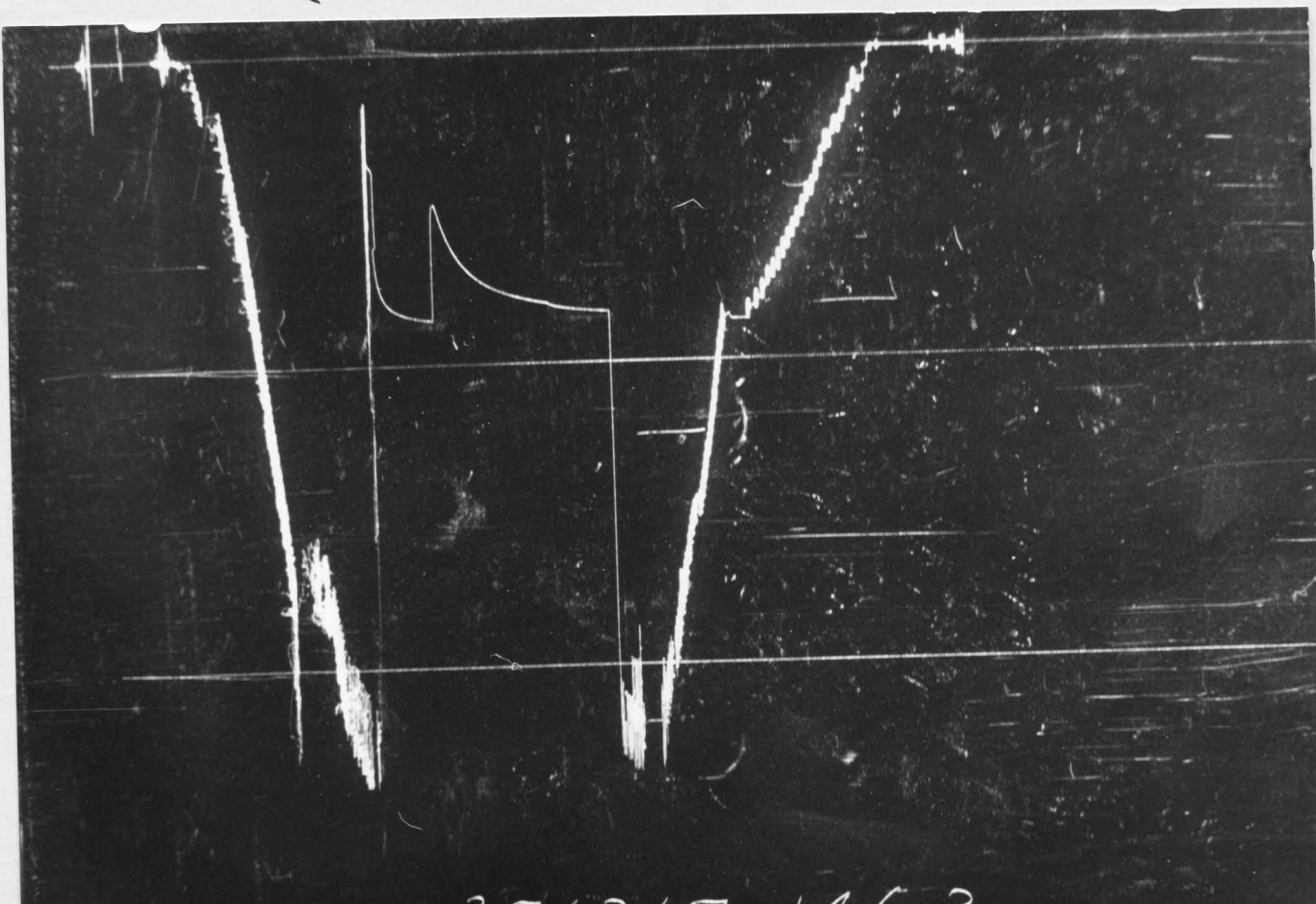
Gauge No. 1463			Depth 4198'			Clock 12		hour		
P ₀	.000	340	.000		373	.000	490	.000	805	
P ₁	.020	373	.0205		766	.102	675	.0221	816	
P ₂			.0410		800	.204	751	.0442	820	
P ₃			.0615		818	.306	785	.0663	823	
P ₄			.0820		830	.408	805	.0884	826	
P ₅			.1025		838			.1105	828	
P ₆			.1230		843			.1326	830	
P ₇			.1435		847			.1547	832	
P ₈			.1640		851			.1768	834	
P ₉			.1845		854			.1989	835	
P ₁₀			.2050		835			.2210	836	
Reading Interval			3			15		3		Minutes
REMARKS:										

SPECIAL PRESSURE DATA

PRESSURE



TIME



Flow Time	1st Min. 3	2nd Min. 63	Date	10-13-63	Ticket Number	371319-S
Closed In Press. Time	1st Min. 30	2nd Min. 30	Kind of Job	Open hole Straddle	Halliburton District	Great Bend
Pressure Readings	Field	Office Corrected	Tester	R. Adams	Witness	Frank Mc Collum
Depth Top Gauge	4169 Ft.	Blanked Off no	Drilling Contractor	PEEL BROTHERS INC.		
BT. P.R.D. No.	396	12 Hour Clock	Elevation	2187'	Top Packer	4147'
Initial Hydro Mud Pressure	2230	2180	Total Depth	4198'	Bottom Packer	4177'
Initial Closed in Pres.	1205	1203	Interval Tested	4147-77'	Formation Tested	Cherokee
Initial Flow Pres.	87	1 2 *	Casing or Hole Size	7 7/8"	Casing Perfs. { Top Bot.	
Final Flow Pres.	227	1 2 *	Surface Choke	1"	Bottom Choke	1"
Final Closed in Pres.	890	876	Size & Kind Drill Pipe	4 1/2" Acme	Drill Collars Above Tester	180' I.D. - LENGTH
Final Hydro Mud Pressure	2194	2178	Mud Weight	10.1	Mud Viscosity	64
Depth Cen. Gauge	4198 Ft.	Blanked Off yes	Temperature	109 °F Est. °F Actual	Anchor Size & Length	ID 3 1/2 OD 4 1/2 X 30
BT. P.R.D. No.	1463	12 Hour Clock	Depths Mea. From	Derrick floor	Depth of Tester Valve	4164 Ft.
Initial Hydro Mud Pres.		2220	Cushion		Depth Back Pres. Valve	Ft.
Initial Closed in Pres.			Recovered	30	Feet of slightly oil and gas cut mud	
Initial Flow Pres.		1 Hydrostatic Release	Recovered		Feet of	
Final Flow Pres.		1 1141	Recovered	445	Feet of muddy water	
Final Closed in Pres.		2	Recovered		Feet of	
Final Hydro Mud Pres.		2217	Oil A.P.I. Gravity		Water Spec. Gravity	
Depth Bot. Gauge	Ft.	Blanked Off	Gas Gravity		Surface Pressure	psi
BT. P.R.D. No.		Hour Clock	Tool Opened	9:37 AM	A.M. P.M. Tool Closed	10:10 AM A.M. P.M.
Initial Hydro Mud Pres.			Remarks	Tool opened with a weak blow for a 3 minute		
Initial Closed in Pres.				first flow. Rotated for a 30 minute initial		
Initial Flow Pres.		1		closed in pressure. Tool re-opened with a fair		
Final Flow Pres.		2		to weak blow - shut in for 30 minutes and out		
Final Closed in Pres.				of hole. *Unable to read		
Final Hydro Mud Pres.						

FORMATION TEST DATA

RISSE

Lease Name

A-6 Well No.

2 Test No.

CITIES SERVICE OIL CO.

Lease Owner/Company Name

County PAWNEE

State

KANSAS

GREAT BEND Owner's District

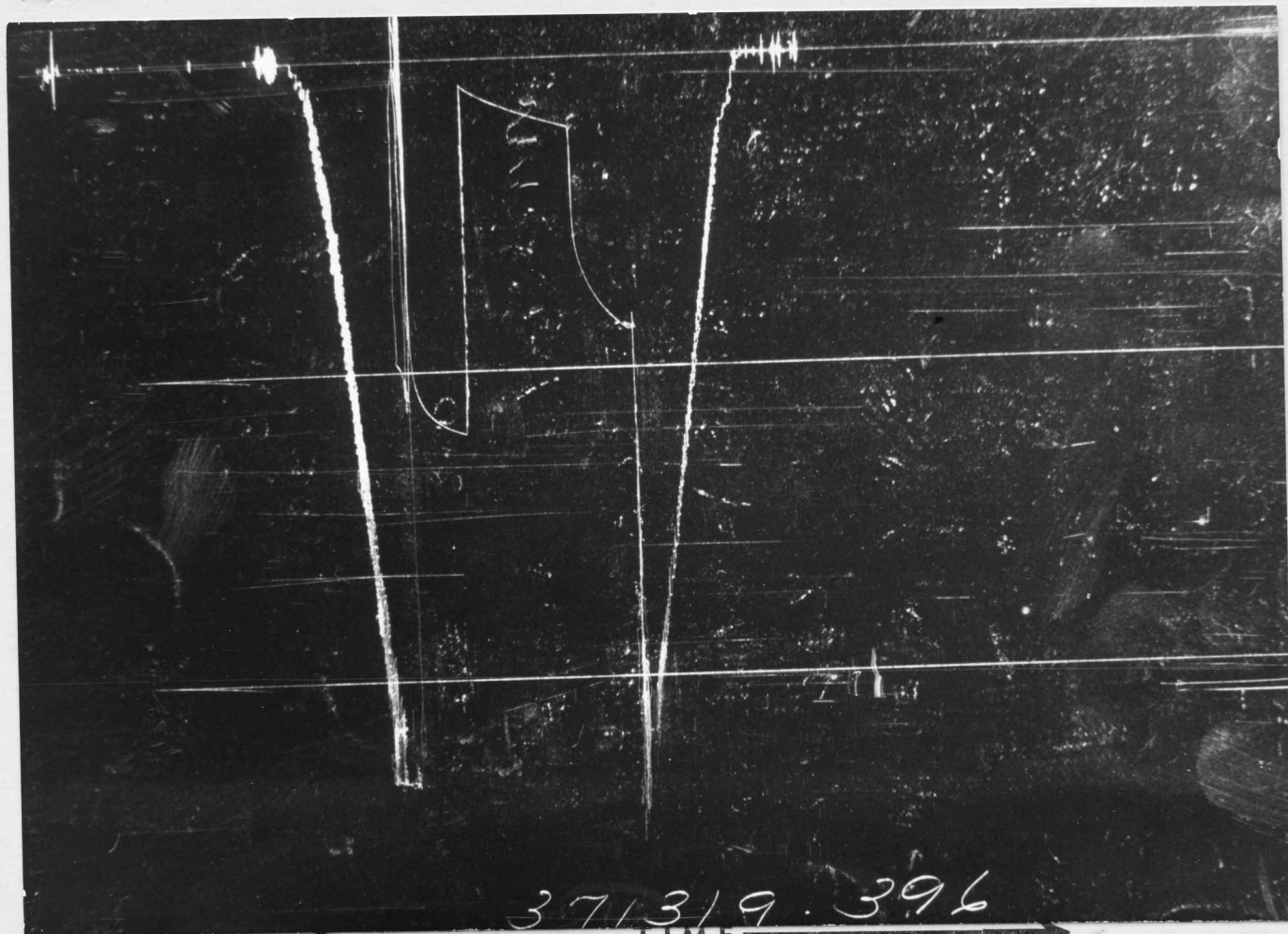
Gauge No. 396		Depth 4169		Clock 12 hour		Ticket No. 371319				
First Flow Period		Initial Closed In Pressure			Second Flow Period		Final Closed In Pressure			
	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t + \theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t + \theta}{\theta}$	PSIG Temp. Corr.
P ₀	Unable to read		.000		Unable to read	.000	88	.000		225
P ₁			.0203		1052	.0938	135	.0202		626
P ₂			.0406		1100	.1876	170	.0404		686
P ₃			.0609		1129	.2814	197	.0606		730
P ₄			.0812		1147	.3940*	225	.0808		763
P ₅			.1015		1161			.1010		791
P ₆			.1218		1174			.1212		812
P ₇			.1421		1183			.1414		831
P ₈			.1624		1190			.1616		849
P ₉			.1827		1196			.1818		864
P ₁₀			.2030		1203			.2020		876

Gauge No. 1463		Depth 4198		Clock 12 hour	
P ₀					
P ₁					
P ₂			Hydrostatic Release		
P ₃					
P ₄					
P ₅					
P ₆					
P ₇					
P ₈					
P ₉					
P ₁₀					
Reading Interval		3		15	3 Minutes
REMARKS: Last interval is equal to 18 minutes					

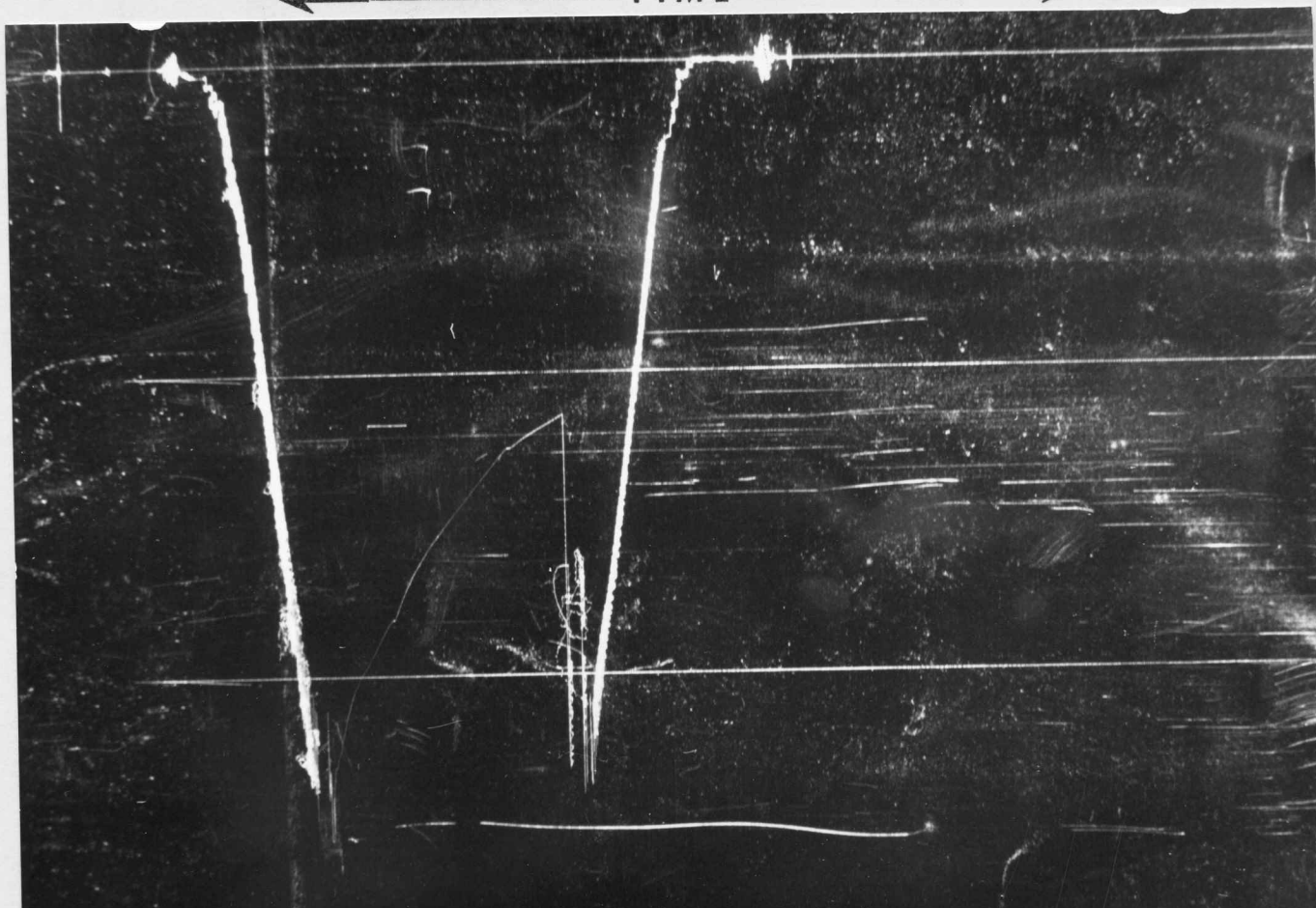
SPECIAL PRESSURE DATA

205

PRESSURE



371319.396



Flow Time	1st	Min.	2nd	Min.	Date	10-14-63	Ticket Number	371318	S
Closed In Press. Time	1st	Min.	2nd	Min.	Kind of Job	OPEN HOLE	Halliburton District	GREAT BEND	
Pressure Readings	Field		Office Corrected		Tester	R. ADAMS JR.	Witness	FRANK MC COLLUM	
Depth Top Gauge	4199	Ft.	No	Blanked Off	Drilling Contractor	PEEL BROS. INC.			
BT. P.R.D. No.	396		12	Hour Clock	Elevation	2187'	Top Packer	4 207'	
Initial Hydro Mud Pressure	2194		2201		Total Depth	4228'	Bottom Packer		
Initial Closed in Pres.	1222		1217		Interval Tested	4207-4228'	Formation Tested	Cherokee	
Initial Flow Pres.	227		1 171		Casing or Hole Size	7 7/8"	Casing Perfs.	Top Bot.	
Final Flow Pres.	1047		1 247		Surface Choke	1"	Bottom Choke	1"	
Final Closed in Pres.	1187		1216		Size & Kind Drill Pipe	4 1/2"	Drill Collars Above Tester	180'	I.D. - LENGTH
Final Hydro Mud Pressure	2176		2173		Mud Weight	10	Mud Viscosity	68	
Depth Cen. Gauge	4228	Ft.	Yes	Blanked Off	Temperature	109	Anchor Size & Length	ID 3 1/2 OD 4 1/2	21
BT. P.R.D. No.	1463		12	Hour Clock	Depths Mea. From	DF	Depth of Tester Valve	4194'	Ft.
Initial Hydro Mud Pres.	2204		2208		TYPE AMOUNT		Depth Back Pres. Valve		Ft.
Initial Closed in Pres.	1235		1229		Cushion		Recovered	243	Feet of Muddy Saltwater
Initial Flow Pres.	252		1 171				Recovered	1980	Feet of Clear Saltwater
Final Flow Pres.	1033		1 247				Recovered		Feet of
Final Closed in Pres.	1217		1216				Recovered		Feet of
Final Hydro Mud Pres.	2185		2182		Oil A.P.I. Gravity		Water Spec. Gravity		
Depth Bot. Gauge		Ft.		Blanked Off	Gas Gravity		Surface Pressure		psi
BT. P.R.D. No.				Hour Clock	Tool Opened	2:12 AM	A.M. P.M.	Tool Closed	3:45 AM A.M. P.M.
Initial Hydro Mud Pres.					Remarks Tool opened with a good blow for a 3 minute				
Initial Closed in Pres.					first flow. Rotated tool for a 30 minute initial				
Initial Flow Pres.			1		closed in pressure. Reopened tool with a good				
Final Flow Pres.			1		strong to fair blow for a 60 minute second flow.				
Final Closed in Pres.			2		Took a 30 minute final closed in pressure.				
Final Hydro Mud Pres.									

FORMATION TEST DATA

RISSE

Lease Name

A-6

Well No.

Test No.

CITIES SERVICE OIL COMPANY

Lease Owner/Company Name

GREAT BEND

Owner's District

Legal Location

14 20 20

Field Area

County

Pawnee

State Kansas

Gauge No. 396			Depth 4199'			Clock 12 hour		Ticket No. 371318		
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	151	.000		218	.000	227*	.000		1032
P ₁	.015	218	.0205		1171	.098	604	.021		1178
P ₂			.0410		1195	.196	800	.042		1187
P ₃			.0615		1204	.294	938	.063		1192
P ₄			.0820		1200	.392	1032	.084		1195
P ₅			.1025		1211			.105		1197
P ₆			.1230		1214			.126		1199
P ₇			.1435		1215			.147		1201
P ₈			.1640		1216			.168		1203
P ₉			.1845		1217			.189		1204
P ₁₀			.2050		1217			.210		1204*

Gauge No. 1463			Depth 4228'			Clock 12		hour		
P ₀	.000	171	.000		247	.000	254	.000		1041
P ₁	.021	247	.0195		1195	.103	597	.0218		1191
P ₂			.0390		1211	.206	814	.0436		1200
P ₃			.0585		1218	.309	951	.0654		1204
P ₄			.0780		1222	.412	1041	.0872		1207
P ₅			.0975		1225			.1090		1210
P ₆			.1170		1227			.1308		1212
P ₇			.1365		1227			.1526		1214
P ₈			.1560		1228			.1744		1215
P ₉			.1755		1229			.1962		1215
P ₁₀			.1950		1229			.2180		1216
Reading Interval			3			15		3 Minutes		

REMARKS:

* Questionable

SPECIAL PRESSURE DATA

↑
PRESSURE
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