

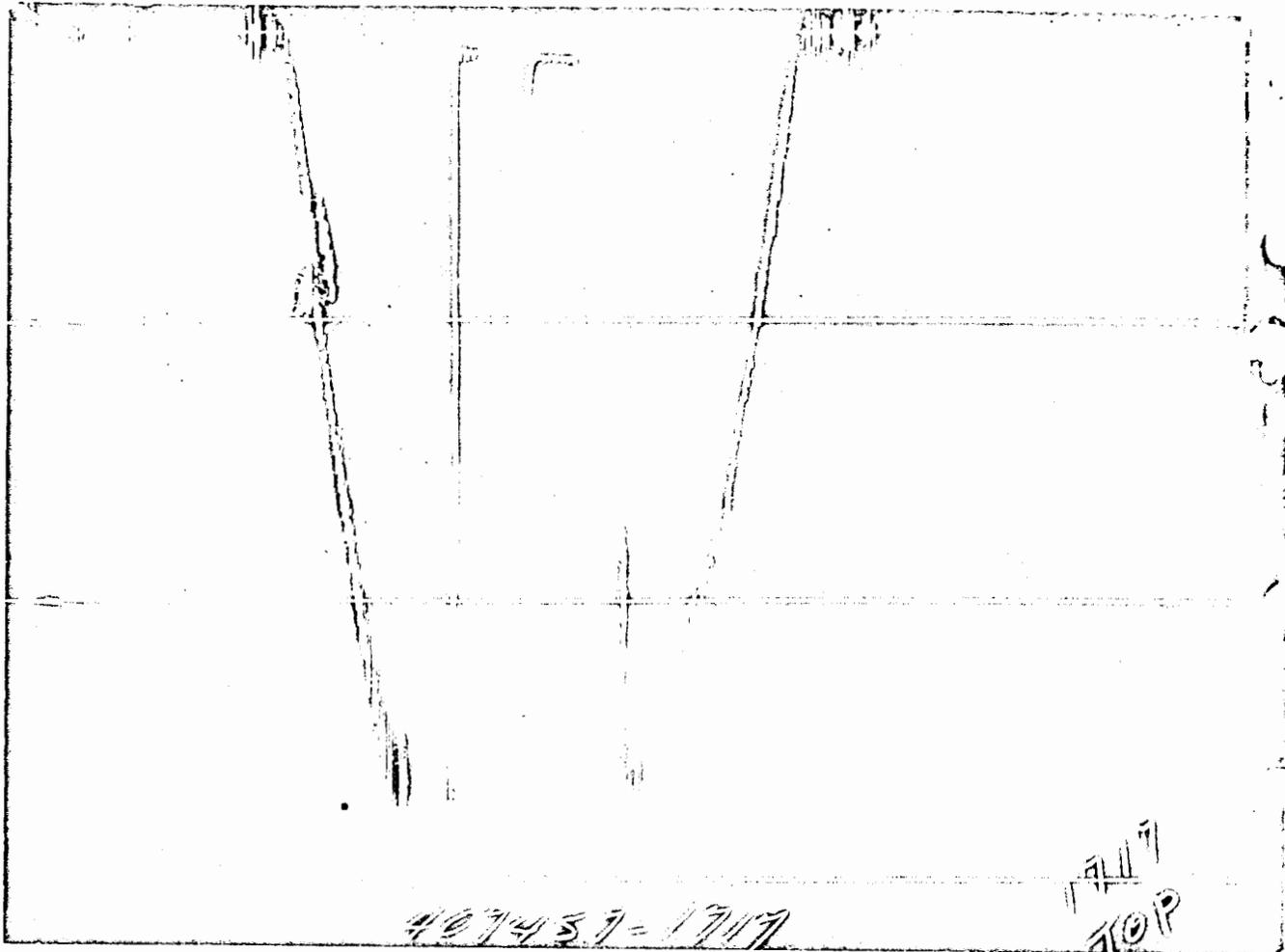
Flow Time	1st Min. 15	2nd Min. 30	Date	11-30-63	Ticket Number	407457 S
Closed In Press. Time	1st Min. 30	2nd Min. 30	Kind of Job	OPEN HOLE	Holliburton District	PRATT
Pressure Readings	Field	Office Corrected	Tester	G.L. SHAUERS	Witness	JIM DEVLION
Depth Top Gauge	4975 Ft.	no Blanked Off	Drilling Contractor	D & M DRILLING COMPANY		
BT. P.R.D. No.	1717	12 Hour Clock	Elevation	1739' DF	Top Packer	--
Initial Hydro Mud Pressure	2635	2605	Total Depth	5050'	Bottom Packer	4990'
Initial Closed in Pres.	1787	1791	Interval Tested	4990' - 5050'	Formation Tested	Mississippi
Initial Flow Pres.	68	1 81*	Casing or Hole Size	7 7/8"	Casing Perfs. } Top	Bot.
	68	2 220				
Final Flow Pres.	85	1 72	Surface Choke	1"	Bottom Choke	5/8"
Final Closed in Pres.	1719	1722	Size & Kind Drill Pipe	4 1/2" Api FH	I.D. - LENGTH Drill Collars Above Tester 2 1/4" - 240'	
Final Hydro Mud Pressure	2618	2602	Mud Weight	10	Mud Viscosity	47
Depth Cen. Gauge		Blanked Off	Temperature	120	*F Est. Anchor Size ID 3.84" X 30'	*F Actual OD 5"
BT. P.R.D. No.		Hour Clock	Depths Mea. From	Derrick Floor	Depth of Tester Valve	30' D.P. 4974 Ft.
Initial Hydro Mud Pres.			TYPE AMOUNT		Depth Back Pres. Valve	-- Ft.
Initial Closed in Pres.			Cushion	--		
Initial Flow Pres.		1	Recovered	335	Feet of heavily 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	5046 Ft.	yes Blanked Off	Oil A.P.I. Gravity		Water Spec. Gravity	
BT. P.R.D. No.	1715	12 Hour Clock	Gas Gravity		Surface Pressure	psi
Initial Hydro Mud Pres.	2674	2639	Tool Opened	4:20 A.M.	A.M. Tool Closed	5:35 A.M. P.M.
Initial Closed in Pres.	1810	1811	Remarks Opened tool @ 4:20 for a 15 minute first flow			
Initial Flow Pres.	161	1 322	with gas to surface in 7 minutes. Closed tool @ 4:30			
Final Flow Pres.	187	2 247	for a 30 minute initial closed in pressure. Reopen-			
Final Closed in Pres.	1741	1740	ed tool @ 5:05 for a 30 minute second flow. Stabili-			
Final Hydro Mud Pres.	2648	2630	zed @ 84 MCF in 15 minutes. Closed tool @ 5:35 for			
			a 30 minute final closed in pressure. Off bottom @			

FORMATION TEST DATA 6:05. * Questionable 5

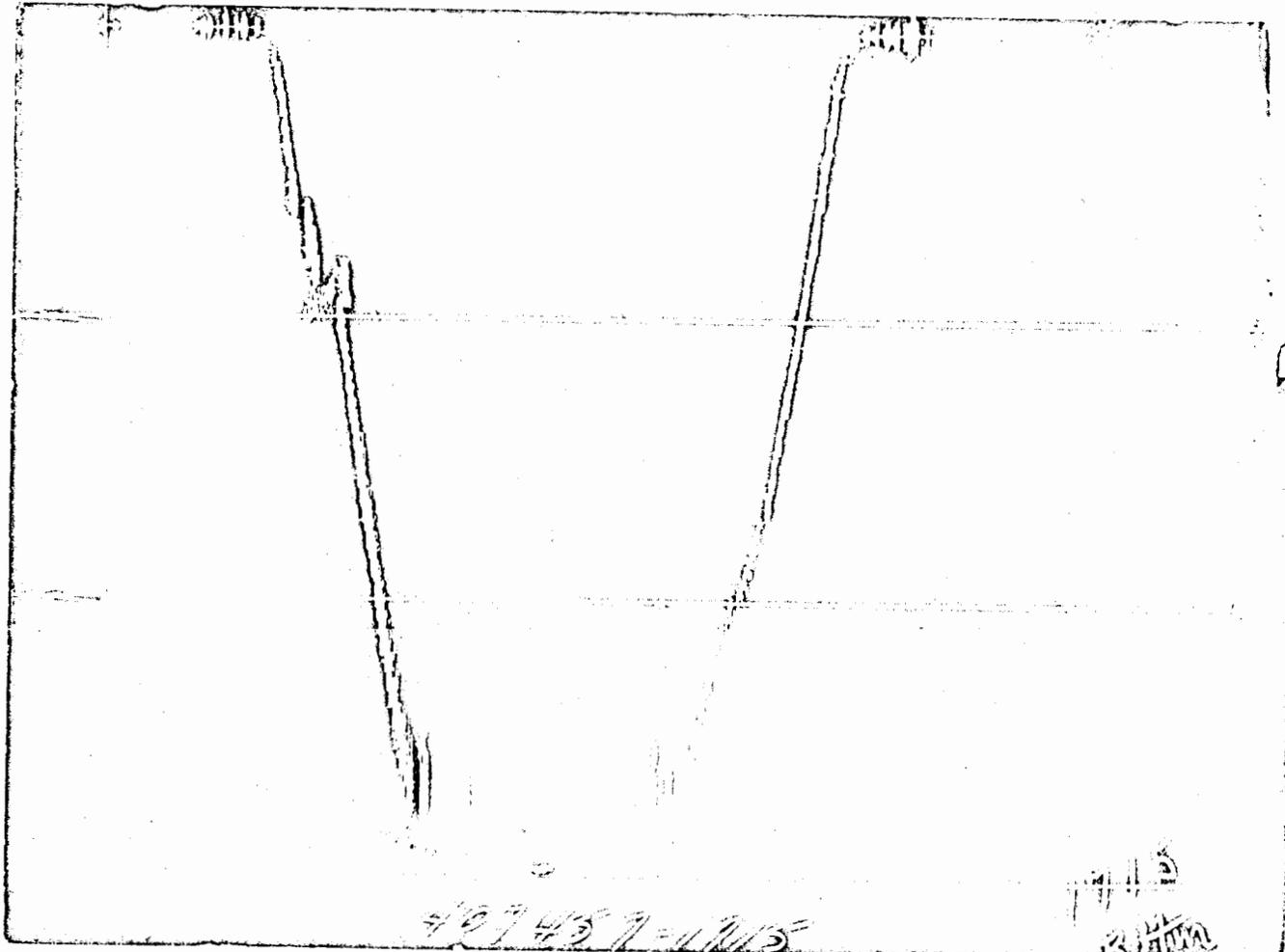
SPECIAL PRESSURE DATA

WARREN
 Lease Name
 Well No. 2
 Field Area
 WILDCAT
 County
 COMANCHE
 State
 KANSAS
 Lease Owner/Company Name
 PETROLEUM MANAGEMENT, INC.
 Owner's District
 KANSAS

PRESSURE



TIME



Photographic negative for this chart on file three years from date at HOWCO-Duncan, Okla.

Number Charts

5

407457-1717

RECORDING PRESSURE GAUGE CHART

Ticket No. 7-407457 Date 11-30-63

Company Petroleum Management Inc.

Lease WATREN Well No. 1

FIELD CALCULATION

Device No.	<u>1717</u>	Hr. Clock No.	<u>0232</u>
B. T. Gauge Depth	<u>1975</u> Ft.	Estimated Gauge Depth Temperature	<u>120</u> °F.
Initial Hydro. Mud Pressure	<u>3.07</u>	Thousands of Inch	Pressure P.S.I.
Initial Closed In Pressure	<u>2.09</u>		<u>1787</u>
Initial Flow Pressure	<u>1.08-.08</u>		<u>68</u>
Final Flow Pressure	<u>1.10-.11</u>		<u>85-93</u>
Final Closed In Pressure	<u>2.01</u>		<u>1719</u>
Final Hydro. Mud Pressure	<u>3.05</u>		<u>2618</u>

HOWCO 892-R2

Tester GIL SHIVERS



OIL WELL CEMENTING COMPANY

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