



Pressure Breakdown Data

Date 3-29-63

Field Report No. 03012 A

Recorder No. T-247

Capacity 5000#

Recorder Depth 4415'

Clock No. - Clock travel 0.02088 inches per min.

Well Temperature 112 °F.

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	2202		
B Initial Shut-in	1292		
C Initial Flow	15		
D Final Flow	95		
E Final Shut-in	1281		
F Final Hydrostatic Mud	2264		
		0655	
		30 Mins.	32 Mins.
		65 Mins.	61 Mins.
		30 Mins.	32 Mins.

c-1 18
c-2 17

Remarks: FROM POINT "C" TO POINT "c-1" = 4 MINUTES.

PRESSURE INCREMENTS

INITIAL SHUT-IN

FINAL SHUT-IN

Breakdown: _____ increments of _____ mins. and a final increment of _____ mins.

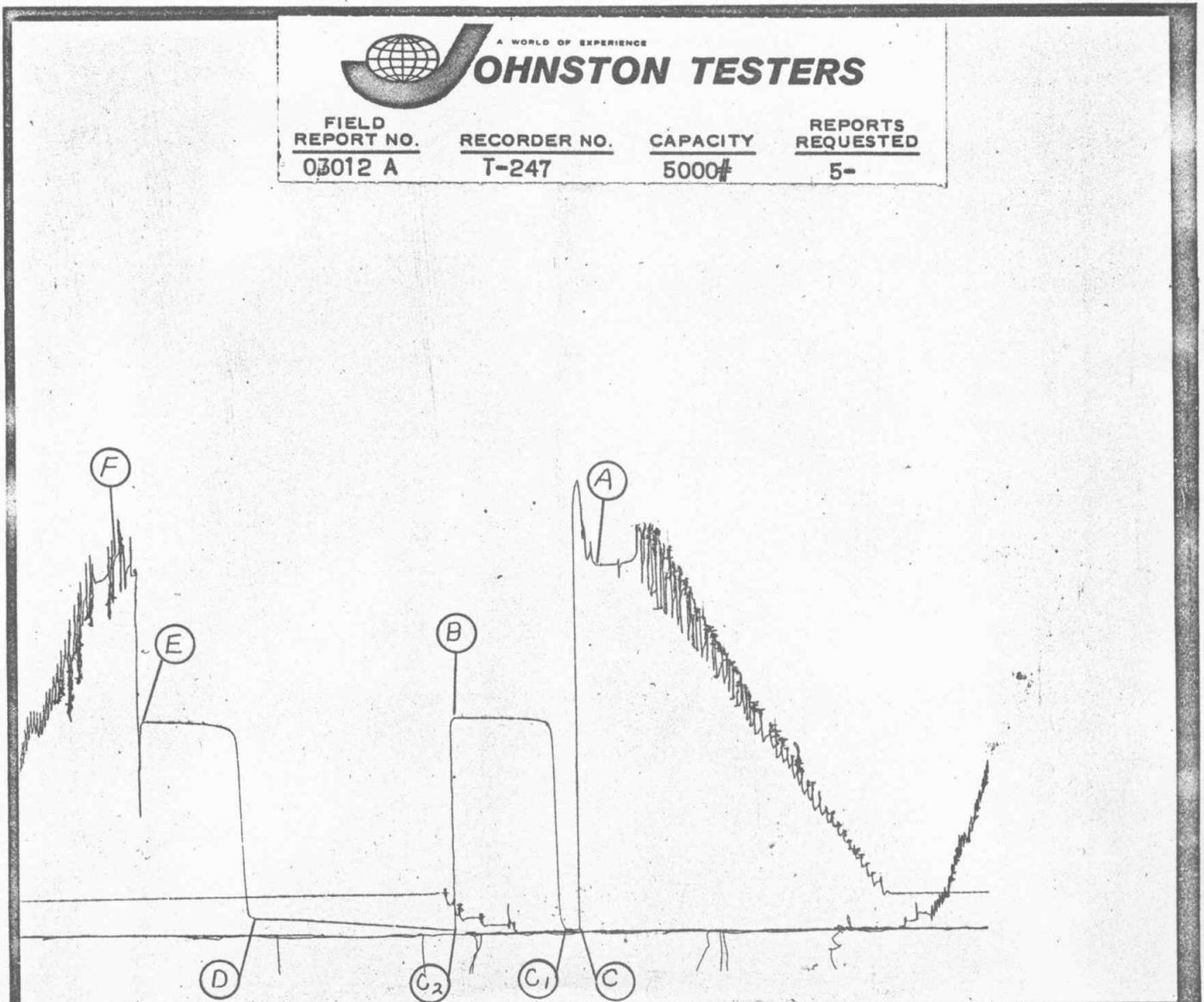
Breakdown: 10 increments of 3 mins. and a final increment of 2 mins.

Breakdown: 10 increments of 3 mins. and a final increment of 2 mins.

Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$	Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$	Point Minutes	Pressure	$\frac{T + \Delta t}{\Delta t}$
			c-1 0	18		D 0	92	
			3	584		3	327	
			6	1263		6	1202	
			9	1277		9	1246	
			12	1283		12	1259	
			15	1286		15	1267	
			18	1289		18	1270	
			21	1292		21	1273	
			24	1292		24	1275	
			27	1292		27	1277	
			30	1292		30	1279	
			B 32	1292		E 32	1281	

Recorder No.	T-247	INSIDE		
Capacity (P.S.I.G.)	5000			
Recorder Depth	4415'			
Pressure Gradient P.S.I./Ft.				
Well Temperature °F.	112			
A Initial Hydrostatic Mud	2202			
B Initial Shut-in	1292			
C Initial Flow	15			
D Final Flow	95			
E Final Shut-in	*1281			
F Final Hydrostatic Mud	2264			
Remarks:	c-1	18		
	c-2	17		

*Shut in pressure did not reach static reservoir pressure.



1 HOUR

FINAL HYDROSTATIC
2264#

FINAL SHUT IN
1281#

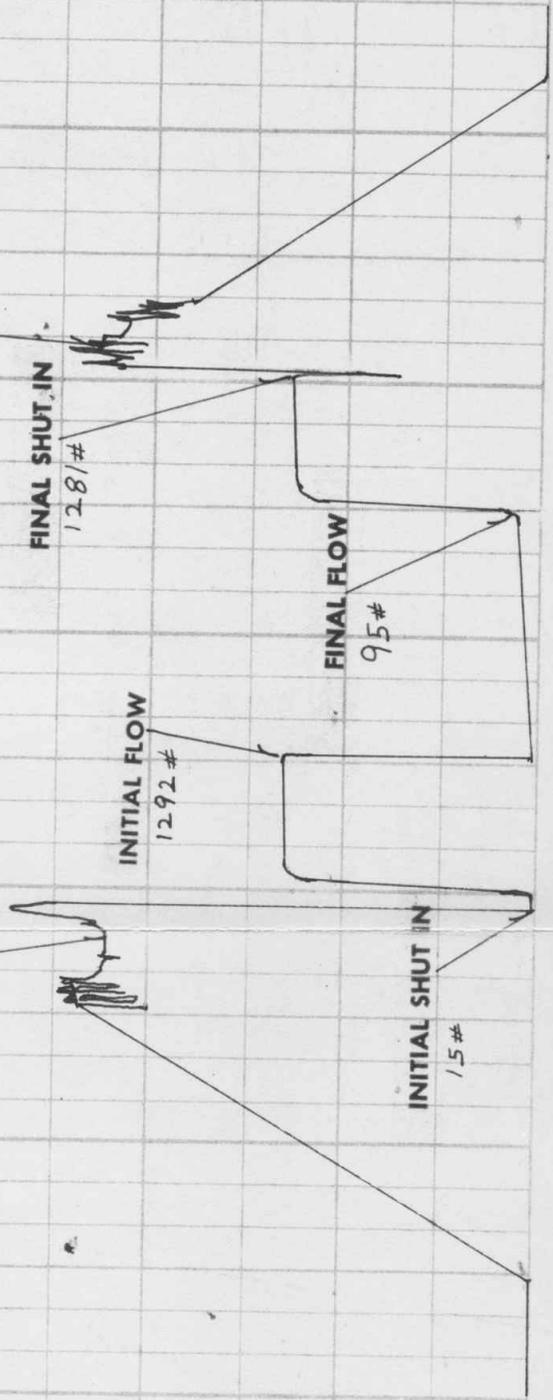
FINAL FLOW
95#

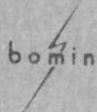
INITIAL HYDROSTATIC
2202#

INITIAL FLOW
1292#

INITIAL SHUT IN
15#

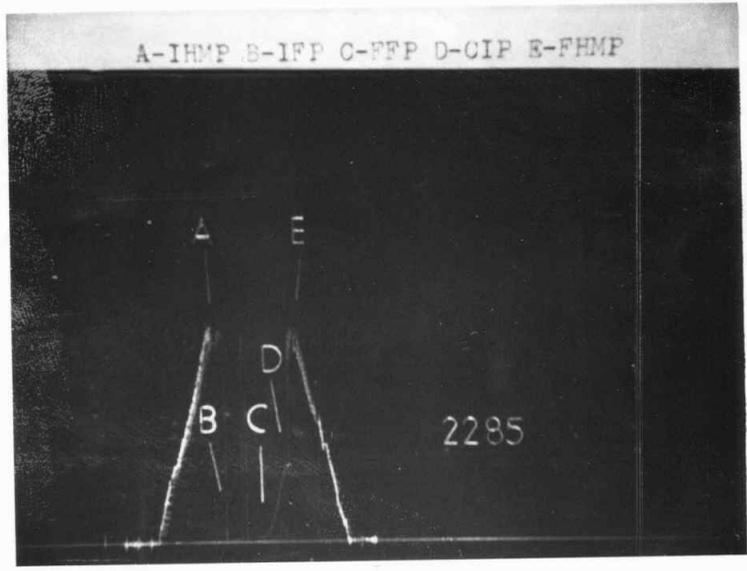
TIME



Initial Closed in Time	Minutes	 BOMIN TESTING CO. BOX 782 LIBERAL, KANSAS	Date	3/31/63	LOCATION 36-30S-34W		
Tool Open Flow Period	30 Minutes		Ticket No.	2285			
Final Closed In Time	30 Minutes		DISTRICT	LIBERAL			
Depth Top Gauge	4822 Ft.		Blanked Off	No		Kind of Job	OPEN HOLE TEST
Recorder No.	2896	12 Hr. Clock	CONTRACTOR LOHMAN & JOHNSON DRLG. Co.				
Pressure Readings	Field	Office Corrected	HOLE & TOOL DATA				
Initial Hydro Mud Pressure		2279	Elevation	2961' DF	Top Packer Depth		
Initial Closed in Pres.			Total Depth	4825'	Bottom Packer Depth	4785'	
Initial Flow Pres.		22	Casing or Hole Size	7 7/8"	Size & Type Wall Packer	6 1/2" BT	
Final Flow Pres.		66	Liner or Rathole Size		Size Bottom Choke	1/2"	
Final Closed in Pres.		921			Size Surface Choke	1"	
Final Hydro Mud Pressure		2271	Interval Tested	4785'-4825'	ID & Length Air Chamber		
Depth Bottom Gauge	4825 Ft.	Blanked Off	YES	Formation Tested	MARMATON	ID & Length Drill Collars	2 1/2" x 210'
Recorder No.	88	4 Hr. Clock		Est. Gauge Depth Temp.	117	Size Drill Pipe	4 1/2" FH
Pressure Readings	Field	Office Corrected		MUD DATA Weight	9.4	Viscosity	45
Initial Hydro Mud Pressure				All depths measured from	DF	No. Folders Reproduced	5
Initial Closed in Pres.				REMARKS: FEW BUBBLES & DIED. BY-PASSED			
Initial Flow Pres.				IN 15 MIN. FEW BUBBLES & DIED.			
Final Flow Pres.							
Final Closed in Pres.							
Final Hydro Mud Pressure							
Recovered	40	Feet of VERY SLIGHTLY OIL & GAS CUT MUD					
Recovered		Feet of					
Recovered		Feet of					
Recovered		Feet of					
Witnessed By	ROBERT DAUGHERTY						
Amount-Type of Cushion		Tester	ROBERT IVES				

FAIR
 LEASE NAME
 C-1
 WELL NO
 (4785'-4825')
 TEST NO
 3
 CITIES SERVICE OIL COMPANY
 LEASE OWNER
 HASKELL
 STATE KANSAS
 LIBERAL, KANSAS
 OWNERS DISTRICT

A-IHMP B-IFP C-FFP D-CIP E-FHMP



2285