



POST OFFICE BOX 169

GREAT BEND, KANSAS 67530

DRILL-STEM TEST DATA

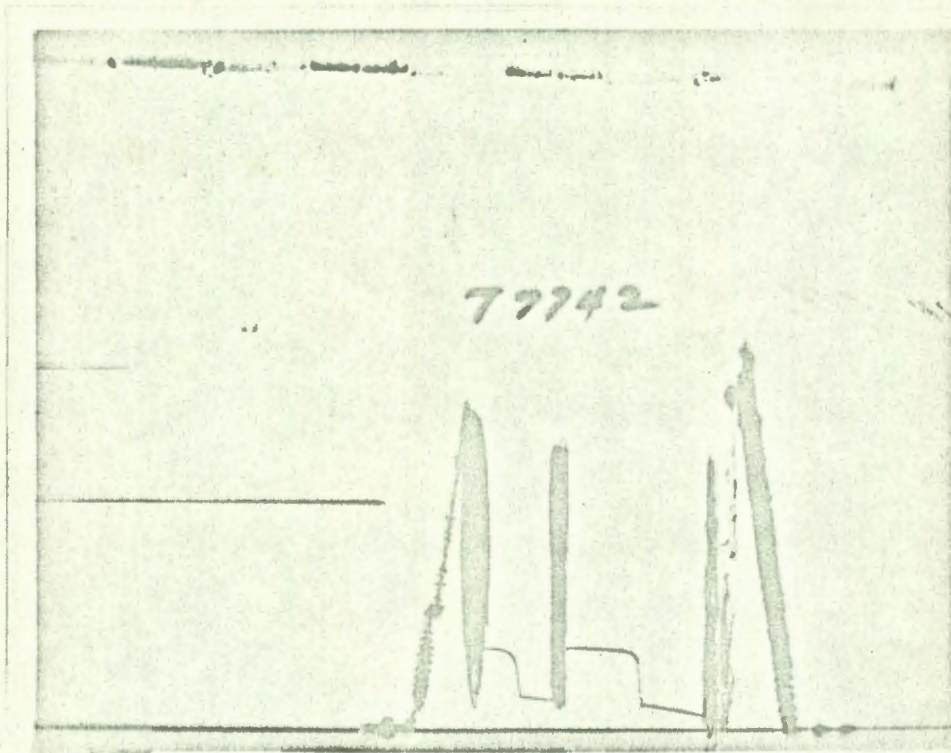
Well Name	Vopat	Test No.	1
Well Number	A-11	Zone Tested	K.C.
Company	A.J. Gorski	Date	3/27/72
Comp. Rep.	Elster	Tester	Bowman
Contractor	Red Tiger Drlg.	Ticket No.	7742
Location	21-14-10	Elevation	

Recorder No. 3600	Clock Range 12 Hr.	Recorder No. 3400	Clock Range 12 Hr.
Depth 2816		Depth 2845	
Initial Hydro Mud Press. 1579		Initial Hydro Mud Press. 1586	
Initial Shut-in Press. 382		Initial Shut-in Press. 395	
Initial Flow Press. 68-114		Initial Flow Press. 44-120	
Final Flow Press. 131-143		Final Flow Press. 142-152	
Final Shut-in Press. 374		Final Shut-in Press. 390	
Final Hydro Mud Press. 1506		Final Hydro Mud Press. 1570	
Temperature 96		Tool Open Before I. S. I. 60	Mins.
Mud Weight 10	Viscosity 38	Initial Shut-in 60	Mins.
Fluid Loss		Flow Period 30	Mins.
Interval Tested 2821-2847		Final Shut-in 30	Mins.
Top Packer Depth 2821 2816		Surface Choke Size 5/8	
Bottom Packer Depth 2821		Bottom Choke Size 5/8	
Total Depth 2847		Main Hole Size 7 7/8	
Drill Pipe Size 4 1/2 F.H. Wt.		Rubber Size 6 3/4	
Drill Collar I. D.	Ft. Run		
Recovery—Total Feet			
Recovered 60	Feet Of Gas In Pipe		
Recovered 120	Feet Of Oily Mud		
Recovered 60	Feet Of Gassy Oil Cut Mud		
Recovered 120	Feet Of Very Sli. Oil Cut Water		

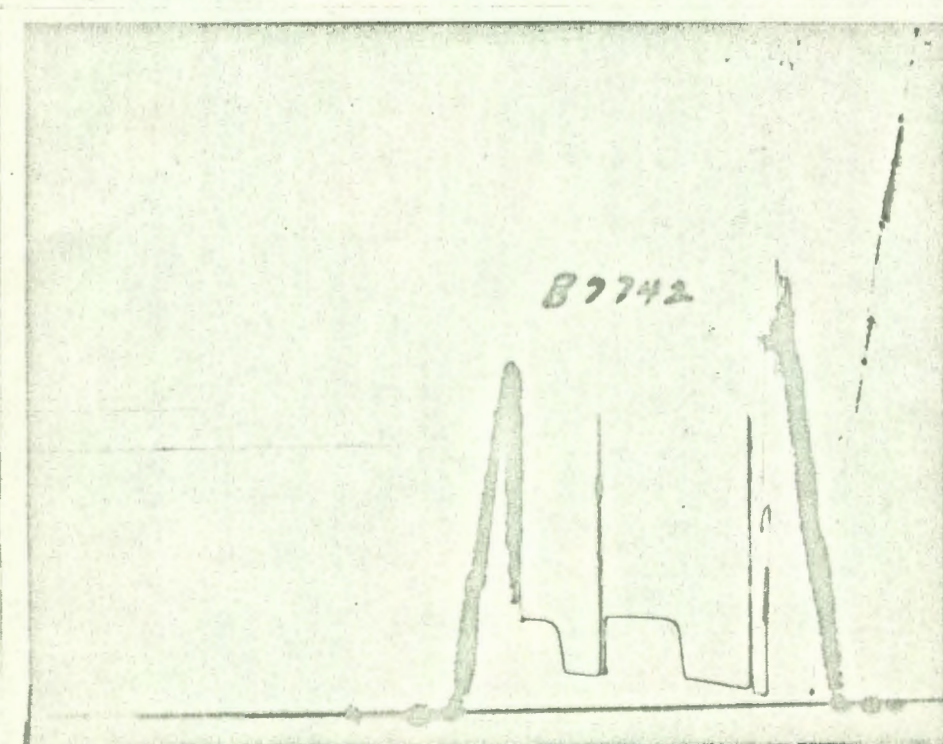
Remarks

Fair Blow Thru-Out Test

Test # 1 7742



Top



Bottom



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GREAT BEND, KANSAS 67530

DRILL-STEM TEST DATA

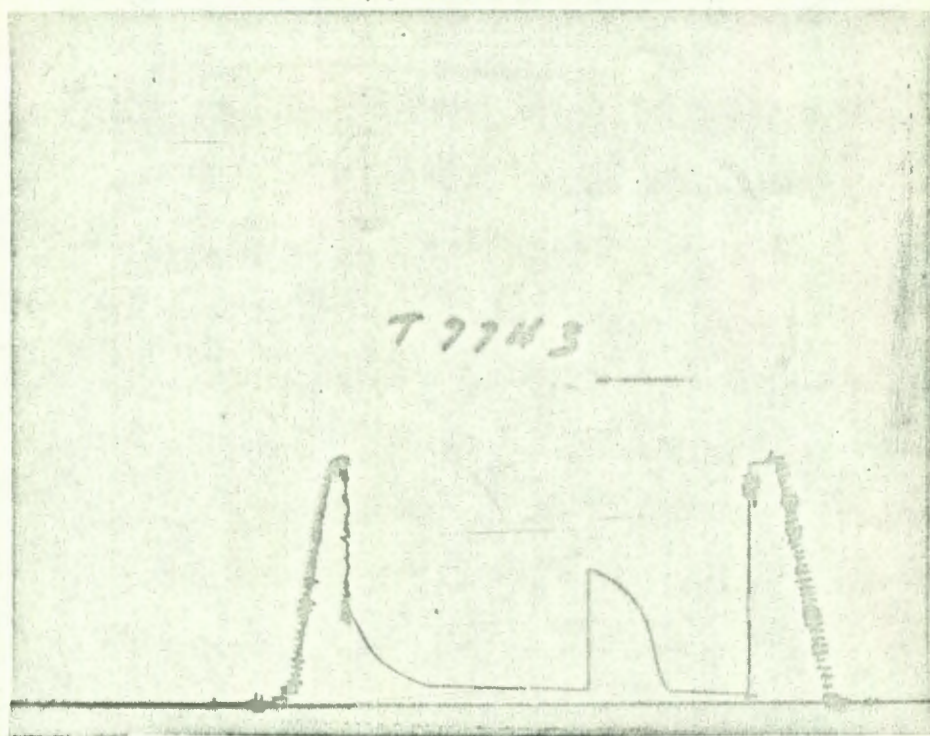
Well Name	Vopat	Test No.	2
Well Number	11-A	Zone Tested	
Company	A.J. Gorski	Date	3/27/72
Comp. Rep.	Elster	Tester	Bowman
Contractor	Red Tiger Drlg.	Ticket No.	7743
Location	21-14-10	Elevation	

Recorder No.	3600	Clock Range	12 Hr.	Recorder No.	3400	Clock Range	12 Hr.
Depth	2074	Depth	2223				
Initial Hydro Mud Press.	1135	Initial Hydro Mud Press.					
Initial Shut-in Press.	632	Initial Shut-in Press.					
Initial Flow Press.	47-54	Initial Flow Press.					
Final Flow Press.	60-71	Final Flow Press.					
Final Shut-in Press.	430	Final Shut-in Press.					
Final Hydro Mud Press.	1135	Final Hydro Mud Press.					
Temperature		Tool Open Before I. S. I.	60	Mins.			
Mud Weight	10.1	Viscosity	42	Initial Shut-in	60	Mins.	
Fluid Loss		Flow Period	120	Mins.			
Interval Tested	2079-2100	Final Shut-in	60	Mins.			
Top Packer Depth	2079	Surface Choke Size	5/8				
Bottom Packer Depth	2100	Bottom Choke Size	5/8				
Total Depth	2847	Main Hole Size	7 7/8				
Drill Pipe Size	4 1/2 F.H. Wt.	Rubber Size	6 3/4				
Drill Collar I. D.		Ft. Run					
Recovery—Total Feet							
Recovered	120	Feet Of	Gas In Pipe				
Recovered	90	Feet Of	Oil & Gas Cut Mud				
Recovered	120	Feet Of	Hvy. Oil & Gas Cut Mud				
Recovered		Feet Of					

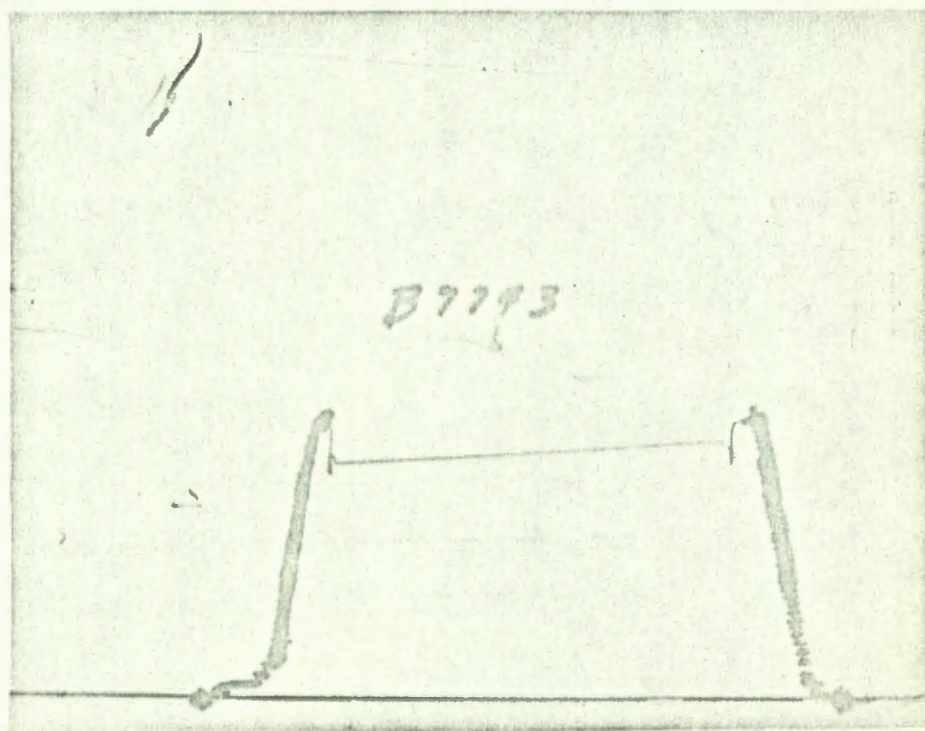
Remarks

Weak Blow Thru-Cut Test

Test# 2 7743



Top



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