



POST OFFICE BOX 169

GREAT BEND, KANSAS 67530

DRILL-STEM TEST DATA

Well Name	Vopat	Test No.	1
Well Number	10	Zone Tested	Topeka
Company	A.J.Gorski	Date	8-31-71
Comp. Rep.	Gorski	Tester	Sanders
Contractor	Red Tiger Drlg Co.	Ticket No.	7367
Location	21-14-10 Ellsworth County	Elevation	

Recorder No. 1055 Clock Range 12 hr Recorder No. 1620 Clock Range 12 hr

Depth 2459 Depth 2472

Initial Hydro Mud Press. 1385 Initial Hydro Mud Press. 1385

Initial Shut-in Press. 142 Initial Shut-in Press. 146

Initial Flow Press. 28 to 28 Initial Flow Press. 37 to 37

Final Flow Press. 30 to 30 Final Flow Press. 37 to 37

Final Shut-in Press. 101 Final Shut-in Press. 105

Final Hydro Mud Press. 1376 Final Hydro Mud Press. 1376

Temperature 94 Tool Open Before I. S. I. 30 Mins.

Mud Weight 10 Viscosity 37 Initial Shut-in 60 Mins.

Fluid Loss Flow Period 90 Mins.

Interval Tested 2449 to 2475 Final Shut-in 60 Mins.

Top Packer Depth 2444 Surface Choke Size 1"

Bottom Packer Depth 2449 Bottom Choke Size 5/8

Total Depth 2475 Main Hole Size 7 7/8

Drill Pipe Size 4 1/2 in Wt. Rubber Size 6 3/4

Drill Collar I. D. Ft. Run

Recovery—Total Feet 390

Recovered 320 Feet Of Gas in pipe

Recovered 70 Feet Of Oil & gas cut mud

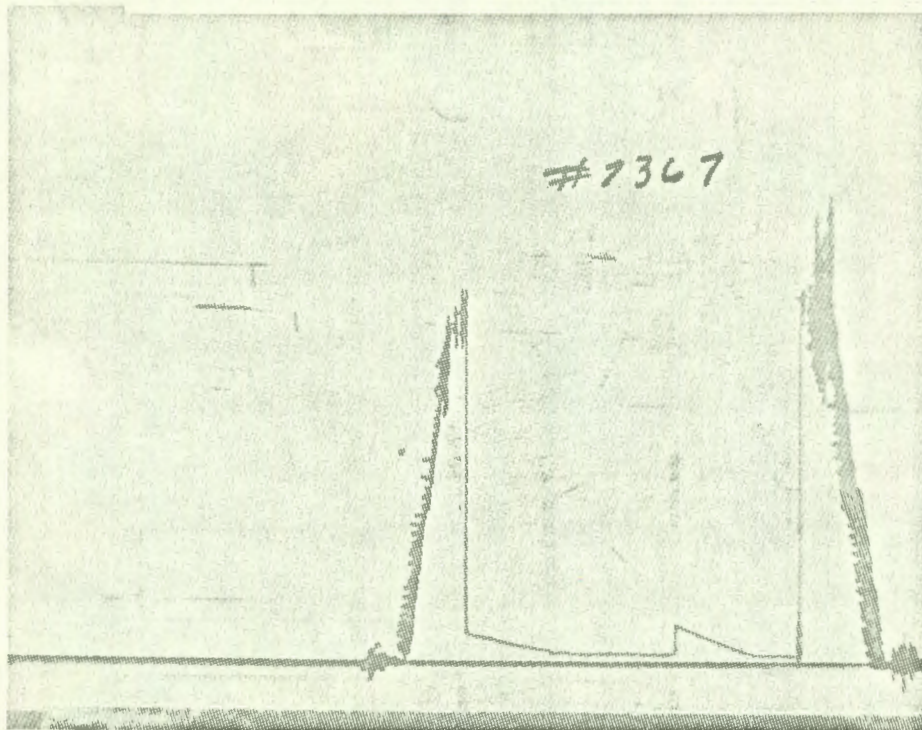
Recovered Feet Of

Recovered Feet Of

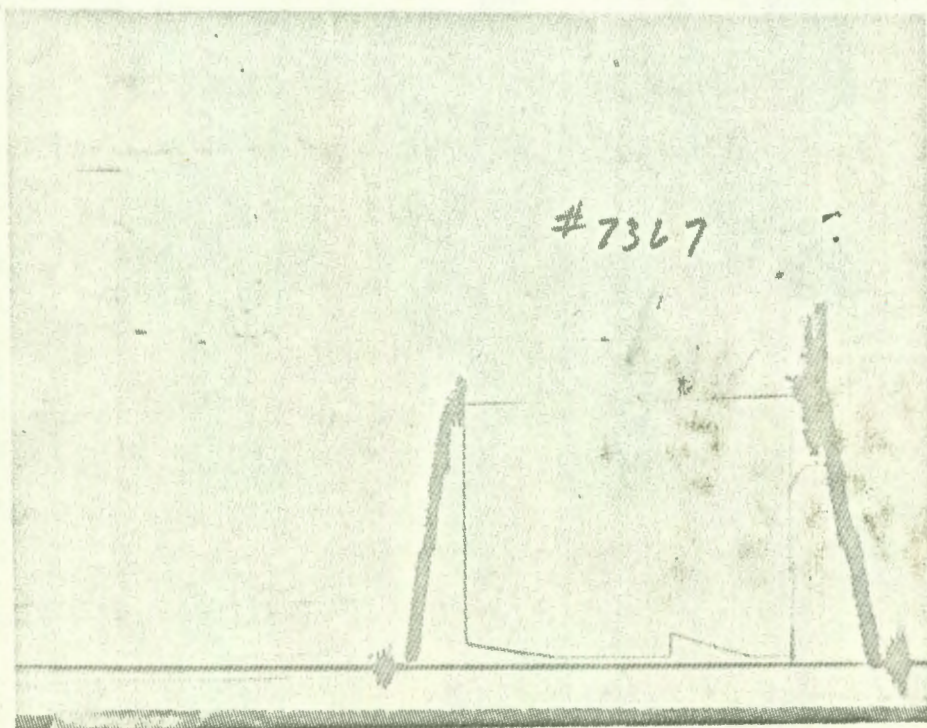
Remarks

Fair to strong thru-out

Test #1
Top Recorder



Bottom Recorder





POST OFFICE BOX 149

GREAT BEND, KANSAS 67530

DRILL-STEM TEST DATA

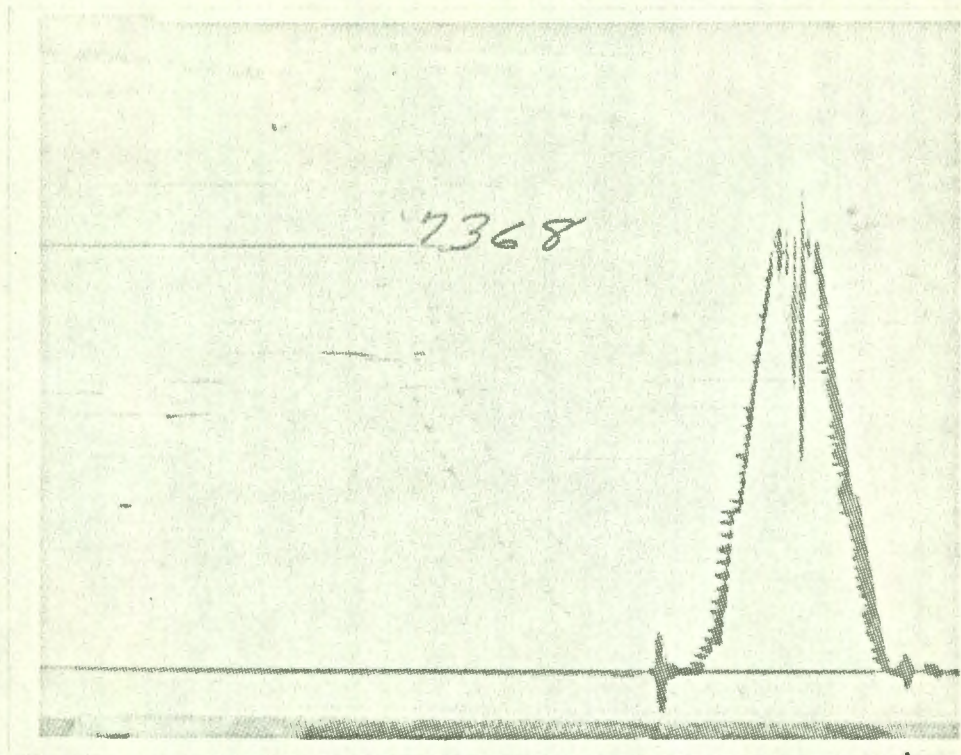
Well Name	Vopat	Test No.	2
Well Number	10	Zone Tested	Kansas City
Company	A.J.Gorski	Date	9-1-71
Comp. Rep.	Gorski	Tester	Sanders
Contractor	Red Tiger Drlg Co.	Ticket No.	7368
Location	21-14-10 Ellsworth County	Elevation	

Recorder No. 1055	Clock Range 12 hr	Recorder No. 1620	Clock Range 12hr
Depth 2855		Depth 2868	
Initial Hydro Mud Press.		Initial Hydro Mud Press.	
Initial Shut-in Press.		Initial Shut-in Press.	
Initial Flow Press.		Initial Flow Press.	
Final Flow Press.		Final Flow Press.	
Final Shut-in Press.		Final Shut-in Press.	
Final Hydro Mud Press.		Final Hydro Mud Press.	
Temperature		Tool Open Before I. S. I.	Mins.
Mud Weight	Viscosity	Initial Shut-in	Mins.
Fluid Loss		Flow Period	Mins.
Interval Tested 2845 to 2871		Final Shut-in	Mins.
Top Packer Depth 2840		Surface Choke Size	
Bottom Packer Depth 2845		Bottom Choke Size	
Total Depth 2871		Main Hole Size	
Drill Pipe Size	Wt.	Rubber Size	
Drill Collar I. D.	Ft. Run		
Recovery—Total Feet			
Recovered	Feet Of		
Recovered	Feet Of		
Recovered	Feet Of		
Recovered	Feet Of		

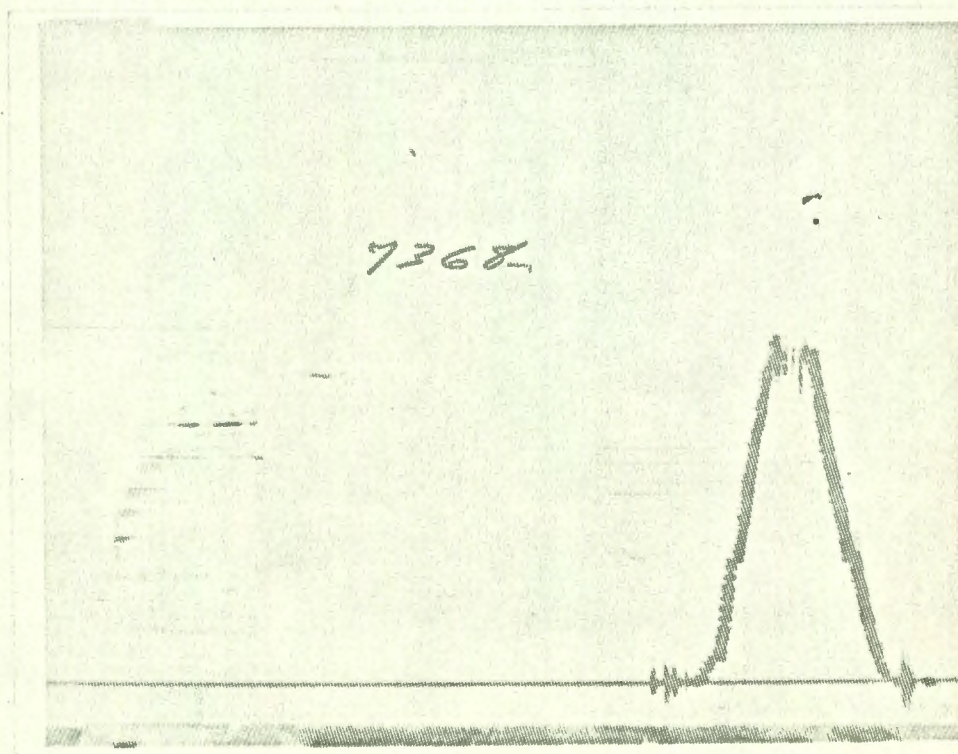
Remarks

Missrun no packer seat

Test #2
Top Recorder



Bottom Recorder





POST OFFICE BOX 169

GREAT BEND, KANSAS 67530

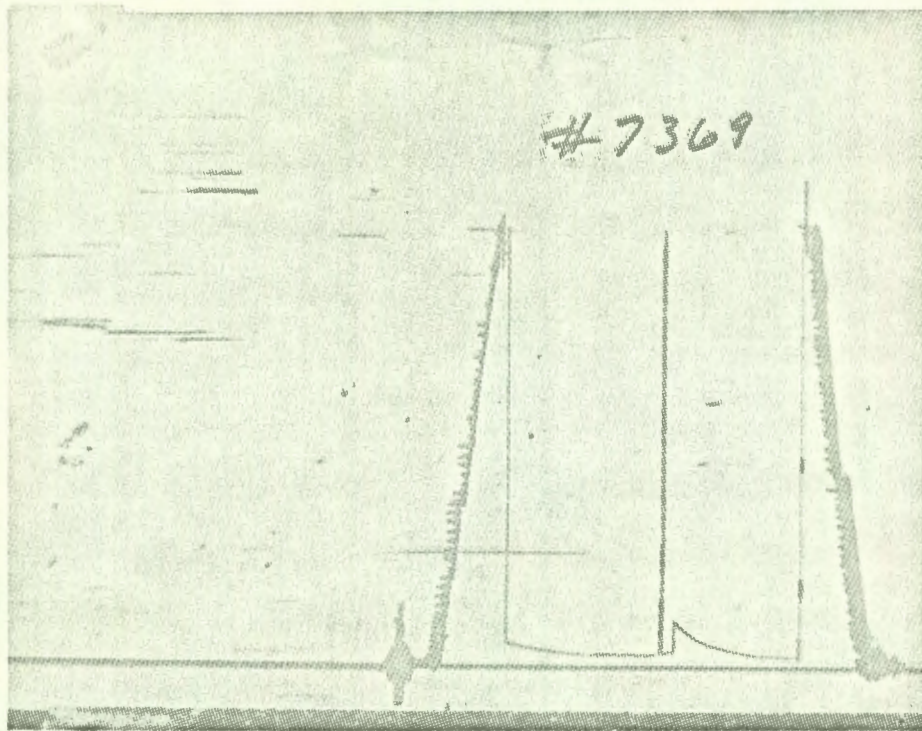
DRILL-STEM TEST DATA

Well Name Vopat	Test No. 3
Well Number 10	Zone Tested Kansas City
Company A.J.Gorski	Date 9-2-71
Comp. Rep. Gorski	Tester Sanders
Contractor Red Tiger Drlg Co.	Ticket No. 7369
Location 21-14-10 Ellsworth County	Elevation

Recorder No. 1055	Clock Range 12 hr	Recorder No. 1620	Clock Range 12 hr
Depth 2849		Depth 2868	
Initial Hydro Mud Press. 1636		Initial Hydro Mud Press. 1636	
Initial Shut-in Press. 164		Initial Shut-in Press. 160	
Initial Flow Press. 34 to 34		Initial Flow Press. 31 to 39	
Final Flow Press. 36 to 36		Final Flow Press. 35 to 35	
Final Shut-in Press. 81		Final Shut-in Press. 76	
Final Hydro Mud Press. 1613		Final Hydro Mud Press. 1613	
Temperature 98		Tool Open Before I. S. I. 30	Mins.
Mud Weight 10.1	Viscosity 40	Initial Shut-in 60	Mins.
Fluid Loss		Flow Period 60	Mins.
Interval Tested 2839 to 2871		Final Shut-in 60	Mins.
Top Packer Depth 2834		Surface Choke Size 1"	
Bottom Packer Depth 2839		Bottom Choke Size 5/8	
Total Depth 2871		Main Hole Size 7 7/8	
Drill Pipe Size 4 1/2 in	Wt.	Rubber Size 6 3/4	
Drill Collar I. D.	Ft. Run		
Recovery—Total Feet 30			
Recovered 30	Feet Of Drlg Mud		
Recovered	Feet Of		
Recovered	Feet Of		
Recovered	Feet Of		
Remarks			
Very weak blow dead in 17 min. flushed tool			

Test #3

Top Recorder



Bottom Recorder

