

## DRILL-STEM TEST DATA

Well Name	Sidebottom	Test No.	1
Well Number	6	Zone Tested	Ft Scott
Company	Palomino Petroleum	Date	7/8/01
Comp. Rep.	R Schreiber	Tester	Don Fabricius
Contractor	A & A Drig	Ticket No.	4008
Location	20-17-24	Elevation	

Recorder No.	3088	Clock Range	12	Recorder No.	4377	Clock Range	12
Depth	4280	Depth	4284				
Initial Hydro Mud Press.	2095	Initial Hydro Mud Press.	2095				
Initial Shut-in Press.	400	Initial Shut-in Press.	399				
Initial Flow Press.	105-235	Initial Flow Press.	105-234				
Final Flow Press.	282-294	Final Flow Press.	281-293				
Final Shut-in Press.	376	Final Shut-in Press.	375				
Final Hydro Mud Press.	2098	Final Hydro Mud Press.	2095				
Temperature		Tool Open Before I. S. I.	30	Mins.			
Mud Weight	9.7	Viscosity	47	Initial Shut-in	30	Mins.	
Fluid Loss	10			Flow Period	30	Mins.	
Interval Tested	4225-88	Final Shut-in	30	Mins.			
Top Packer Depth	4220	Surface Choke Size	1				
Bottom Packer Depth	4225	Bottom Choke Size	3/4				
Total Depth	4288	Main Hole Size	7 7/8				
Drill Pipe Size 4 1/2 X H	Wt. 16.60	Rubber Size	6 3/4				
Drill Collar I. D.	Ft. Run						
Recovery—Total Feet							
Recovered	120	Feet Of	Oil Cut Mud				
Recovered	427	Feet Of	Muddy Oil				
Recovered	240	Feet Of	Gassy oil				
Recovered		Feet Of					
Remarks							
Strong blow - gas to surface in 10 min							
on second open							

THIS ORDER MUST BE SIGNED BEFORE WORK IS COMMENCED. CONDITIONS: It is expressly understood and agreed that the above described work shall be done under the exclusive control, direction and supervision of the owner or contractor. As a part of the consideration for this agreement, it is expressly understood and agreed that Arrow Testing Company shall not be responsible for damages or losses of any kind whatsoever occasioned by or incident to the use of the above described Tools, whether run or operated by customer, or by anyone employed directly or indirectly by Arrow Testing Company, nor whether resulting from the acts or omissions of Arrow Testing Company, or any of its agents, servants or employees in any way connected with or related to the use of such Tools.

It is expressly understood and agreed that Arrow Testing Company, shall not be bound by any agreement, not herein contained, and no agent or representative connected with or employed by Arrow Testing Company has authority to alter or extend the terms of this agreement. I have read and understand the terms of this agreement and represent that I am authorized to sign the same as agent of customer.

**ARROW TESTING COMPANY**  
P. O. BOX 105      GREAT BEND, KANSAS 67530

**DRILL-STEM TEST DATA**

Well Name	Sidebottom	RECEIVED	Test No.	2
Well Number	6		Zone Tested	Cher
Company	Palomino Petroleum	OCT 16 2001	Date	7/9/01
Comp. Rep.	R Schreiber	KCC WICHITA	Tester	Don Fabricius
Contractor	A & A Drig		Ticket No.	4009
Location	20-17-24		Elevation	

Recorder No.	3088	Clock Range	12	Recorder No.	4377	Clock Range	12
Depth	4338	Depth	4342				
Initial Hydro Mud Press.	2208	Initial Hydro Mud Press.	2208				
Initial Shut-in Press.	1301	Initial Shut-in Press.	1306				
Initial Flow Press.	589-990	Initial Flow Press.	586-997				
Final Flow Press.	1101-1289	Final Flow Press.	1101-1283				
Final Shut-in Press.	1301	Final Shut-in Press.	1306				
Final Hydro Mud Press.	2208	Final Hydro Mud Press.	2208				
Temperature		Tool Open Before I. S. I.	30	Mins.			
Mud Weight	9.2	Viscosity	49	Initial Shut-in	30	Mins.	
Fluid Loss	10			Flow Period	30	Mins.	
Interval Tested	4315-66	Final Shut-in	30	Mins.			
Top Packer Depth	4310	Surface Choke Size	1				
Bottom Packer Depth	4315	Bottom Choke Size	3/4				
Total Depth	4366	Main Hole Size	7 7/8				
Drill Pipe Size	4 1/2 X H	Wt.	16.60	Rubber Size	6 3/4		
Drill Collar I. D.		Ft. Run					
Recovery—Total Feet							
Recovered	2700	Feet Of	Muddy Water				
Recovered		Feet Of					
Recovered		Feet Of					
Recovered		Feet Of					
Remarks							
Strong blow thru-test - flushed tool on							
second open							

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