

DRILL-STEM TEST DATA

Well Name	Willenbert	Test No.	1
Well Number	10	Zone Tested	Arb
Company	C & K Oil	Date	10/3/00
Comp. Rep.	J Musgrove	Tester	Don Fabricius
Contractor	Vonfeldt Drilling Inc.	Ticket No.	3371
Location	27-16-11	Elevation	

Recorder No. 3088 Clock Range 12 Recorder No. 4377 Clock Range 12
 Depth 3347 Depth 3351
 Initial Hydro Mud Press. 1602 Initial Hydro Mud Press. 1604
 Initial Shut-in Press. 1048 Initial Shut-in Press. 1043
 Initial Flow Press. 105-270 Initial Flow Press. 105-269
 Final Flow Press. 353-471 Final Flow Press. 352-469
 Final Shut-in Press. 1048 Final Shut-in Press. 1043
 Final Hydro Mud Press. 1602 Final Hydro Mud Press. 1604
 Temperature _____ Tool Open Before I. S. I. 30 Mins.
 Mud Weight 9.8 Viscosity 45 Initial Shut-in 30 Mins.
 Fluid Loss 8.8 Flow Period 30 Mins.
 Interval Tested 3328-55 Final Shut-in 30 Mins.
 Top Packer Depth 3323 Surface Choke Size 1
 Bottom Packer Depth 3328 Bottom Choke Size 3/4
 Total Depth 3355 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 150 Feet Of _____ Gas in pipe _____
 Recovered 1100 Feet Of _____ Clean gassy oil _____
 Recovered 400 Feet Of _____ Very slightly mud cut gassy oil _____
 Recovered _____ Feet Of _____
 Remarks
Strong blow thru-test

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.