

RECEIVED

ARROW TESTING COMPANY

P. O. BOX 1051

GREAT BEND, KANSAS 67530

JAN 09 2004

KCC WICHITA CONFIDENTIAL SYSTEM TEST DATA

ORIGINAL

Well Name	Davis	Test No.	1
Well Number	1	Zone Tested	Toro
Company	A & A Production	Date	12/21/03
Comp. Rep.	T Morgenstern	Tester	Don Fabricius
Contractor	A & A Drlg	Ticket No.	4120
Location	19-7-22	Elevation	

Recorder No. 3088 Clock Range 12 Recorder No. 4377 Clock Range 12
 Depth 3518 Depth 3522
 Initial Hydro Mud Press. 1727 Initial Hydro Mud Press. 1729
 Initial Shut-in Press. 1209 Initial Shut-in Press. 1215
 Initial Flow Press. 35-280 Initial Flow Press. 35-281
 Final Flow Press. 365-589 Final Flow Press. 363-586
 Final Shut-in Press. 1209 Final Shut-in Press. 1215
 Final Hydro Mud Press. 1727 Final Hydro Mud Press. 1729
 Temperature _____ Tool Open Before I. S. I. 45 Mins.
 Mud Weight 9.3 Viscosity 42.0 Initial Shut-in 45 Mins.
 Fluid Loss 8 Flow Period 45 Mins.
 Interval Tested 3479-3526 Final Shut-in 45 Mins.
 Top Packer Depth 3425 Surface Choke Size 1
 Bottom Packer Depth 3479 Bottom Choke Size 3/4
 Total Depth 3526 Main Hole Size 7 7/8
 Drill Pipe Size 4 1/2 XH Wt. 1660 Rubber Size 6 3/4
 Drill Collar I. D. _____ Ft. Run _____
 Recovery—Total Feet _____
 Recovered 1300 Feet Of Water
 Recovered _____ Feet Of _____
 Recovered _____ Feet Of _____
 Recovered _____ Feet Of _____
 Remarks
Strong blow through 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.

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DRILL-STEM TEST DATA

ORIGINAL

Well Name	Davis	KCC	Test No.	2
Well Number	1	JAN 07 2004	Zone Tested	KC
Company	A & A Production	CONFIDENTIAL	Date	12/22/03
Comp. Rep.	T Morgenstern		Tester	Don Fabricius
Contractor	A & A Drlg		Ticket No.	4121
Location	19-7-22		Elevation	

Recorder No. 3088	Clock Range 12	Recorder No. 4377	Clock Range 12
Depth 3692		Depth 3696	
Initial Hydro Mud Press. 1877		Initial Hydro Mud Press. 1878	
Initial Shut-in Press. 23		Initial Shut-in Press. 23	
Initial Flow Press. 23-23		Initial Flow Press. 23-23	
Final Flow Press. 23-23		Final Flow Press. 23-23	
Final Shut-in Press. 47		Final Shut-in Press. 47	
Final Hydro Mud Press. 1877		Final Hydro Mud Press. 1878	
Temperature 9.3	Viscosity 51.0	Tool Open Before I. S. I. 30	Mins.
Mud Weight 8.6		Initial Shut-in 30	Mins.
Fluid Loss		Flow Period 30	Mins.
Interval Tested 3634-3700		Final Shut-in 1"	Mins.
Top Packer Depth 3629		Surface Choke Size 3/4	
Bottom Packer Depth 3634		Bottom Choke Size 7 7/8	
Total Depth 3700		Main Hole Size 6 3/4	
Drill Pipe Size 4 1/2 XH	Wt. 1660	Rubber Size	

Drill Collar I. D. _____ Ft. Run _____

Recovery—Total Feet 5 Mud with a trace of free oil on top

Recovered _____ Feet Of _____

Recovered _____ Feet Of _____

Recovered _____ Feet Of _____

Recovered _____ Feet Of _____

Remarks Very weak blow dead in 18 min

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CONFIDENTIAL

DRILL-STEM TEST DATA

ORIGINAL

Well Name	Davis	Test No.	3
Well Number	1	Zone Tested	Marm.
Company	A & A Production	Date	12/22/03
Comp. Rep.	T Morgenstern	Tester	Don Fabricius
Contractor	A & A Drlg	Ticket No.	4122
Location	19-7-22	Elevation	

Recorder No. 3088 Clock Range 12 Recorder No. 4377 Clock Range 12
 Depth 3795 Depth 3799
 Initial Hydro Mud Press. 1923 Initial Hydro Mud Press. 1924
 Initial Shut-in Press. 1036 Initial Shut-in Press. 1043
 Initial Flow Press. 35-35 Initial Flow Press. 35-35
 Final Flow Press. 35-35 Final Flow Press. 35-35
 Final Shut-in Press. 837 Final Shut-in Press. 840
 Final Hydro Mud Press. 1923 Final Hydro Mud Press. 1924
 Temperature _____ Tool Open Before I. S. I. 30 Mins.
 Mud Weight 9.2 Viscosity 5.0 Initial Shut-In 30 Mins.
 Fluid Loss 7.2 Flow Period 15 Mins.
 Interval Tested 3723-3803 Final Shut-in 15 Mins.
 Top Packer Depth 3719 Surface Choke Size 1"
 Bottom Packer Depth 2723 Bottom Choke Size 3/4
 Total Depth 3803 Main Hole Size 7 7/8
 Drill Pipe Size 4 1/2 XH Wt. 1660 Rubber Size 6 3/4
 Drill Collar I. D. _____ Ft. Run _____

Recovery—Total Feet _____
 Recovered 15 Feet Of _____ Mud
 Recovered _____ Feet Of _____
 Recovered _____ Feet Of _____
 Recovered _____ Feet Of _____

Remarks

Very weak blow dead in 23 min

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