ARROW TESTING COMPANY

P. O. BOX 1051 GREAT BEND, KANSAS 67530

NE-SW

DRILL-STEM TEST DATA

ORIGINAL

Well Name	Holmes 15-083-21428	Test No.	1
Well Number	1	Zone Tested	Miss
Company	Oil Producers Inc. of Kansas	Date	9/21/95
Comp. Rep.	R Dombaugh	Tester	Don Fabricius
Contractor	Duke Drly	Ticket No.	3200
Location	1-22-25	Elevation	

KCC MAR 01 1996

Recorder No.	3088	Recorder No.	4577
Clock Range	12	Clock Range	12
Depth	4533	Depth	4537
Initial Hydro Mud Press.	2333	Initial Hydro Mud Press.	2333
Initial Shut-in Press.	942	Initial Shut-in Press.	938
Initial Flow Press.	47-47	Initial Flow Press.	46-46
Final Flow Press.	47-58	Final Flow Press.	46-58
Final Shut-in Press.	990	Final Shut-in Press.	985
Final Hydro Mud Press.	2333	Final Hydro Mud Press.	2333
Temperature		Tool Open Before I. S. I.	30 Mins.
Mud Weight	9.5	Viscosity 46	Initial Shut-in 45 Mins.
Fluid Loss	8.8	Flow Period	60 Mins.
Interval Tested	4489-4541	Final Shut-in	60 Mins.
Top Packer Depth	4484	Surface Choke Size	1
Bottom Packer Depth	4489	Bottom Choke Size	3/4
Total Depth	4541	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 25

Recovered 5 Feet Of Free oil

Recovered 20 Feet Of Oil cutmud

Recovered _____ Feet Of _____

Recovered _____ Feet Of _____

Remarks

Very weak blow thru-test

1-22s-25w

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.

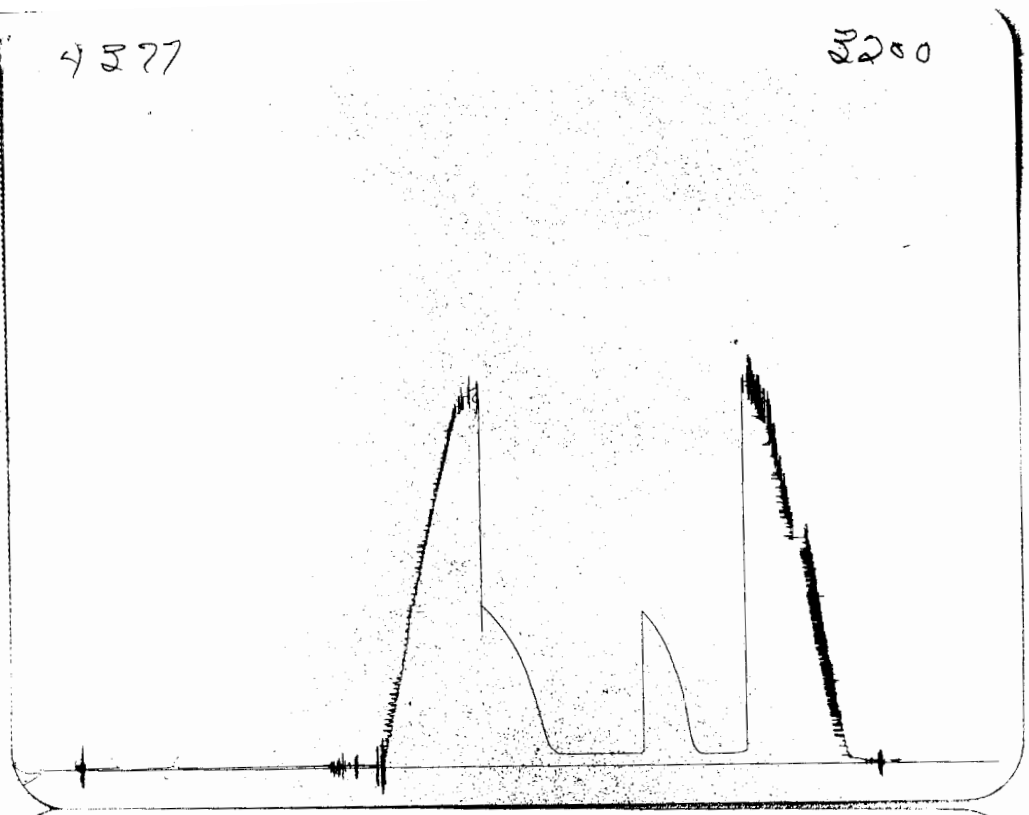
It is expressly understood and agreed that Arrow Testing Company, shall not be bound by any agreement, not herein contained, and no agent or representative connected with or employed by Arrow Testing Company has authority to alter or extend the terms of this agreement. I have read and understand the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

By _____

Owner, Operator or his Agent

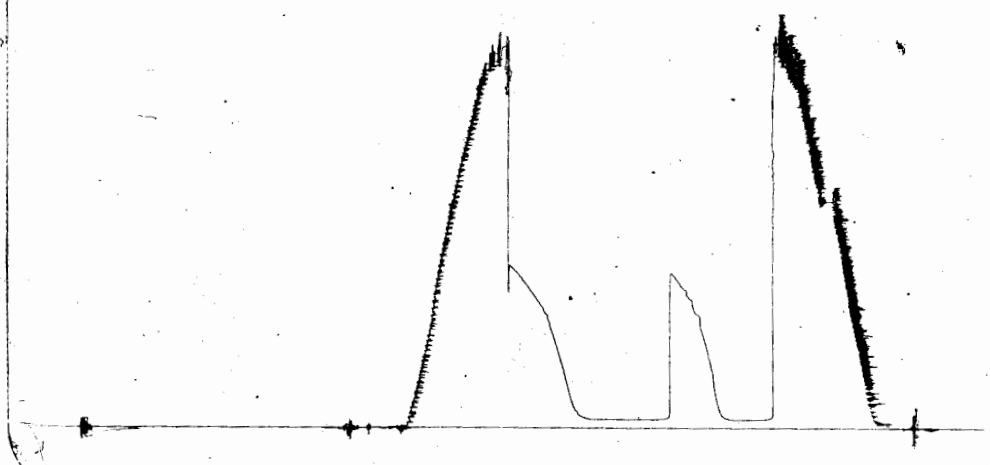
4277

3200



3088

3200



ARROW TESTING COMPANY

P. O. BOX 1051 GREAT BEND, KANSAS 67530

DRILL-STEM TEST DATA

Well Name	Holmes 15-083-21428	Test No.	2
Well Number	1	Zone Tested	Miss
Company	Oil Producers Inc. of Kansas	Date	9/22/95
Comp. Rep.	R Dombaugh	Tester	Don Fabricius
Contractor	Duke Drly	Ticket No.	3201
Location	1-22-25 W	Elevation	

KCC MAR 01 1996

Recorder No.	3088	Recorder No.	4377
Clock Range	12	Clock Range	12
Depth	45-45	Depth	4549
Initial Hydro Mud Press.	2333	Initial Hydro Mud Press.	2333
Initial Shut-in Press.	1128	Initial Shut-in Press.	1123
Initial Flow Press.	23-25	Initial Flow Press.	23-35
Final Flow Press.	47-70	Final Flow Press.	46-70
Final Shut-in Press.	1117	Final Shut-in Press.	1112
Final Hydro Mud Press.	2333	Final Hydro Mud Press.	2353
Temperature		Tool Open Before I. S. I.	30 Mins.
Mud Weight	9.5	Viscosity	46
Initial Shut-in			45 Mins.
Fluid Loss	8.8	Flow Period	60 Mins.
Interval Tested	4537-53	Final Shut-in	60 Mins.
Top Packer Depth	4532	Surface Choke Size	1
Bottom Packer Depth	4537	Bottom Choke Size	3/4
Total Depth	4553	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 1 Feet Of Free oil

Recovered 115 Feet Of Muddy water

Recovered Feet Of

Recovered Feet Of

Remarks

Weak building to fair blow thru-test

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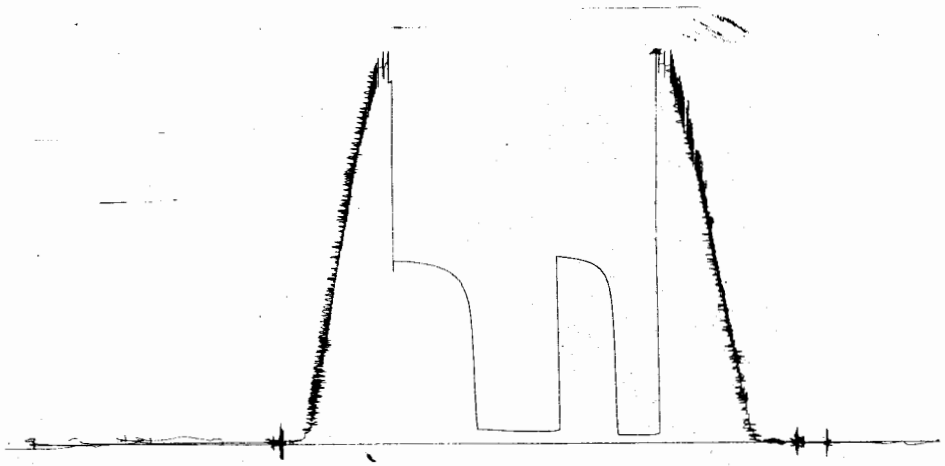
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By _____

Owner, Operator or his Agent

4577

3201



5086

3201

