

OPEN HOLE TEST

JOHNSTON TESTERS, INC.

OFFICES: Houston, Texas - Los Angeles, California - Calgary, Canada

33-29-2W

DATE 7--28-56

OPEN HOLE TEST NO. #2 WELL: #1 Lauterback
FIELD COUNTY Sedgewick STATE Kansas

COMPANY Renfro and Beardmore
ADDRESS Beardmore Drilling Company, 827 Beacon Building, Wichita, Kansas
TEST APPROVED BY Robert J. Gutin
JOHNSTON OPERATOR J. D. Turner TICKET NO. 61068

GENERAL TEST DATA

TYPE TEST <u>Conventional</u>		TOTAL DEPTH <u>3040'</u>	
1. Test Interval: <u>3006'</u>	To <u>3040'</u>	7. Fluid Cushion: Type <u>None</u>	Amount
2. Tool Open <u>1</u>	Hrs. Min	8. Air Chamber Amount <u>10'</u>	Size: <u>4 1/2" FH</u>
3. Initial Shut In	Hrs. <u>20</u> Min	9. Did Packer(s) Hold? <u>Yes</u>	
4. Final Shut In	Hrs. <u>20</u> Min	10. Did Tool Plug? <u>No</u>	Where?
5. Choke: Top <u>1/2"</u>	Bottom <u>1/2"</u>	11. Was Test Reversed Out? <u>No</u>	
6. Fluid Recovery <u>175'</u> Total, <u>175'</u> gassy muddy salt water with slight trace of oil			

REMARKS:

SURFACE INFORMATION

1. Blow: <u>Very good blow 1 hour.</u>	
2. Maximum Surface Pressure <u>None</u>	Did Well Flow? <u>No</u>
Description Or Rate of Flow	Time Max. Pressure Size Surface Choke

MUD, HOLE, & TOOL DATA

MUD, HOLE & JOHNSTON TOOL DATA			
MUD: Type <u>Gel</u>	Weight <u>9.3</u>	Viscosity <u>38</u>	
HOLE: Main Hole Size <u>7 7/8</u>	Drill Pipe Size <u>4 1/2" FH</u>		
Rat Hole Size <u>---</u>			
JOHNSTON TOOLS:			
1. Packer(s): Type <u>BT</u>	O.D. <u>6 1/2</u>	Type <u>O.D.</u>	
Set At <u>3006'</u>		Set At	
2. Extra Equipment: <u>None</u>			

Number of Copies Requested: 3

OPEN HOLE TEST

JOHNSTON TESTERS, INC.

OFFICES: Houston, Texas - Los Angeles, California - Calgary, Canada

33-29-26

OPEN HOLE TEST NO. #3 WELL: #1 Lauderback DATE 7-29-56
 FIELD --- COUNTY Sedgewick STATE Kansas
 COMPANY Renfro and Beardmore, Beardmore Drilling Company
 ADDRESS 827 Beacon Building, Wichita, Kansas
 TEST APPROVED BY George E. Link
 JOHNSTON OPERATOR J. D. Turner TICKET NO. 61069

GENERAL TEST DATA

TYPE TEST	Conventional	TOTAL DEPTH	3130'
1. Test Interval:	3110' To 3130'	7. Fluid Cushion: Type	None Amount
2. Tool Open	1 Hrs. 15 Min	8. Air Chamber Amount	8' Size: 4 1/2
3. Initial Shut In	Undet. Hrs. 15 Min	9. Did Packer(s) Hold?	Yes
4. Final Shut In	Hrs. 15 Min	10. Did Tool Plug?	No Where?
5. Choke: Top	1/2" Bottom 1/2"	11. Was Test Reversed Out?	No
6. Fluid Recovery	510' Total, 150' slightly oil and gas cut mud 350' muddy gassy oil 10' muddy water		

REMARKS:

Good blow increased to hard blow remainder of test. Hole in very bad shape. Had to spud in approximately 450'.

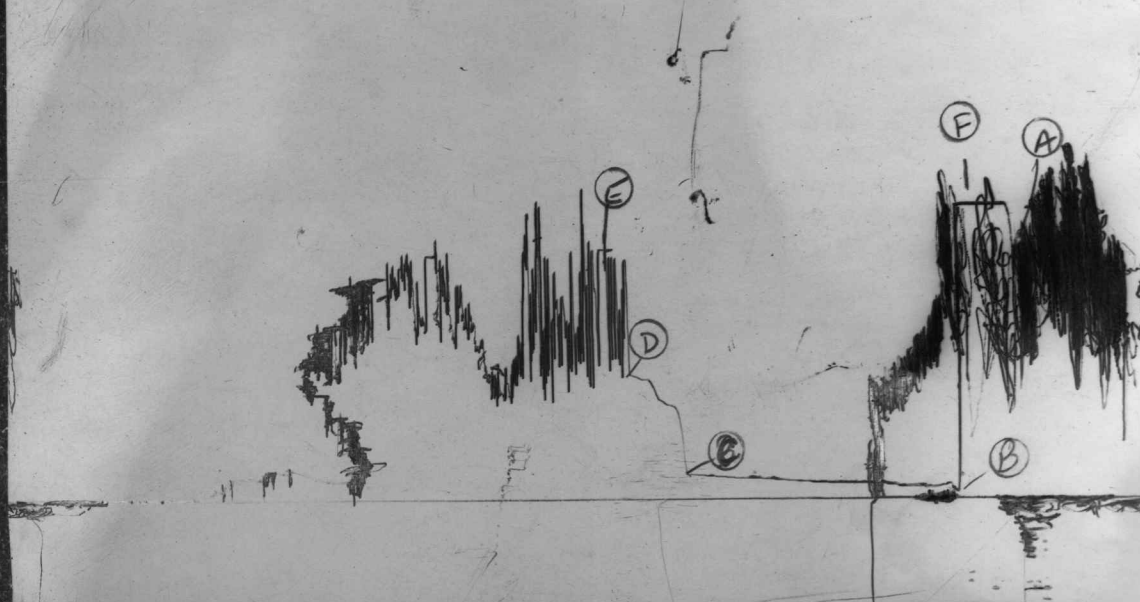
SURFACE INFORMATION

1. Blow:	Good blow increased to hard blow remainder of test.		
2. Maximum Surface Pressure	None	Did Well Flow?	No
Description Or Rate of Flow	Time	Max. Pressure	Size Surface Choke
---	---	---	1/2"
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MUD, HOLE, & TOOL DATA

MUD, HOLE & JOHNSTON TOOL DATA			
MUD: Type	Gel	Weight	10 Viscosity 36
HOLE: Main Hole Size	7 7/8	Drill Pipe Size	4 1/2 FH
Rat Hole Size	---		
JOHNSTON TOOLS:			
1. Packer(s): Type	BT	O.D. 6 1/4	Type O.D.
Set At	3110'	Set At	---
2. Extra Equipment:	None		

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TIME EACH SMALL SQUARE _____ MINS.

3128'

Chart Number.

Pressure Recorder:

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Remarks: _____

OPEN HOLE TEST

JOHNSTON TESTERS, INC.

33-29-2W

OFFICES: Houston, Texas - Los Angeles, California - Calgary, Canada

OPEN HOLE TEST NO. #4 WELL: Lauterback DATE 7-30-56
 FIELD — COUNTY Sedgewick STATE Kansas
 COMPANY Renfro and Beardmore, Beardmore Drilling Company
 ADDRESS 827 Beacon Building, Wichita, Kansas
 TEST APPROVED BY George E. Link
 JOHNSTON OPERATOR J. D. Turner TICKET NO. 61070

GENERAL TEST DATA

TYPE TEST		Conventional	TOTAL DEPTH	3170'
1. Test Interval:	3153'	To 3170'	7. Fluid Cushion: Type	None
2. Tool Open	1	Hrs. 25 Min	8. Air Chamber Amount	— Size: —
3. Initial Shut In		Hrs. 20 Min	9. Did Packer(s) Hold?	Yes
4. Final Shut In		Hrs. 20 Min	10. Did Tool Plug?	No Where?
5. Choke: Top	1/2"	Bottom 1/2"	11. Was Test Reversed Out?	No
6. Fluid Recovery 145' Total, 145' watery cut mud				

REMARKS:

By-passed tool after 20 minutes. By-passed after 57 minutes.
 Very little plugging action at start of test.

SURFACE INFORMATION

1. Blow:	Fair blow 1 hour, 23 minutes, then died.		
2. Maximum Surface Pressure	None	Did Well Flow?	No
Description Or Rate of Flow	Time	Max. Pressure	Size Surface Choke
			1/2"

MUD, HOLE, & TOOL DATA

MUD, HOLE & JOHNSTON TOOL DATA			
MUD: Type	Gel	Weight	10.2 Viscosity 43
HOLE: Main Hole Size	7 7/8	Drill Pipe Size	4 1/2" FH
Rat Hole Size	—		
JOHNSTON TOOLS:			
1. Packer(s): Type	BT	O.D.	6 1/4" Type O.D.
Set At	3153'	Set At	
2. Extra Equipment:	None		

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TIME: EACH SMALL SQUARE _____ MINS.

Test Ticket No. 61070
Chart Number

Pressure Recorder:

No. L-108
Cap. 4500#
Location 3168'

PRESSURE DATA	
A	Initial Hydrostatic Mud 1720
B	Initial Flow 75
C	Final Flow 130
D	Final Shut-In 1125
E	Final Hydrostatic Mud 1725
F	"Initial Shut-In" 1145

Remarks: _____

[illegible]