



Home Office: Great Bend, Kansas
 P.O. Box 393 Gladstone 3-7903

COMPANY Messman-Rinehart Oil Company WELL Mull #1
 DATE 10-15-60 COUNTY Pawnee STATE Kansas
 TEST NO. #1 TICKET NO. 9636-K TYPE TEST open hole (conventional)
 TEST APPROVED BY J. Klein WESTERN REPRESENTATIVE W. M. Nething

TEST DATA:

Tested From 3729' To 3755' Depth 3755'
 Hydrostatic Mud Pressure—Initial (A) 2080# Final (E) 2080#
 Flow Pressure—Initial (B) 50# Final (C) 50#
 Bottom Hole Pressure—Initial (F) 1190# Final (D) 1100#
 Tool Open 1 Hr. --- Min.; Shut-in-Initial --- Hr. 30 Min.; Shut-in-Final --- Hr. 30 Min.
 Chokes; Surface 1/2" Bottom 3/4" Fluid Cushion: Type None Amount None
 Recovery:

60' Mud

SURFACE DATA:

BLOW: Strong blow gas to surface 5 minutes

Maxium Surface Pressure 3" Water Did Well Flow? No

Description of Flow	Time	Max. Pressure	Size Surface Choke
<u>49,000 cu. ft. gas</u>	<u>10 min.</u>	<u>3" Water</u>	
<u>40,450 cu. ft. gas</u>	<u>20 min</u>	<u>2 1/2" Water</u>	
<u>40,450 cu. ft. gas</u>	<u>each 10 min rest of test</u>		

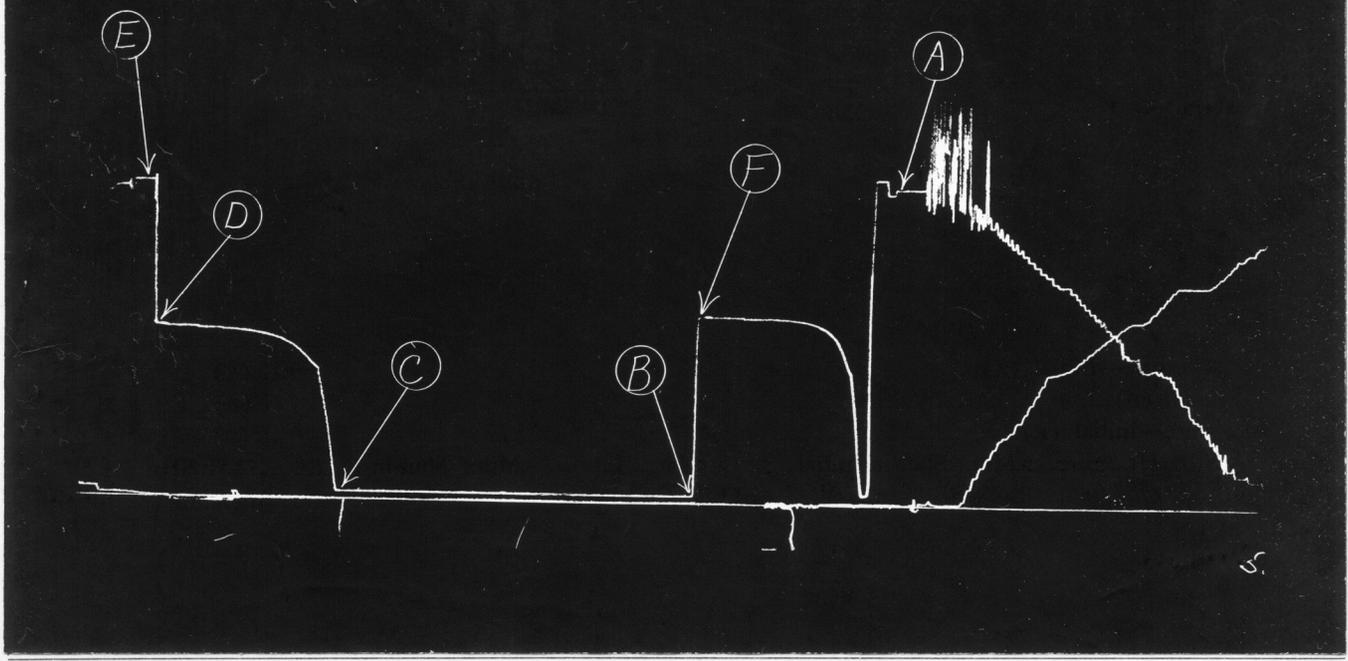
GENERAL OPERATIONAL DATA:

Hole Size: Main Hole 7 7/8" Rat Hole --- Drill Pipe Size 4 1/2" F.H.
 Hole Condition Good Mud Weight 9.9 Viscosity 41
 Type Pressure Recorder Western Recorder No. 55-56 Date Calib. 4-1-60
 Extra Equipment: Dual Packer Dual Jars Yes Safety Joint No
 Was Test Recovery Reversed Out? --- Bottom Hole Temperature Not taken
 Number of Copies Requested Four

REMARKS:

Messman-Rinehart
MULL #1

Test #1
T.K.T.# 9636 K



This is an actual photograph of recorder chart.

PRESSURE DATA

	Point	Pressure
(A) Initial Hydrostatic Mud	2080#	_____
(B) Initial Flow	50#	_____
(C) Final Flow	50#	_____
(D) Final Shut-In	1100#	_____
(E) Final Hydrostatic Mud	2080#	_____
(F) Initial Shut-In	1190#	_____



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COMPANY Messman-Rinehart Oil Company WELL Mull #1
 DATE 10-16-60 COUNTY Pawnee STATE Kansas
 TEST NO. #2 TICKET NO. 9637-K TYPE TEST open hole (conventional)
 TEST APPROVED BY J. Klein WESTERN REPRESENTATIVE W. M. Nething

TEST DATA:

Tested From 3802' To 3817' Depth 3817'
 Hydrostatic Mud Pressure—Initial (A) 2100# Final (B) 2100#
 Flow Pressure—Initial (B) 750# Final (C) 1180#
 Bottom Hole Pressure—Initial (F) 1200# Final (D) 1180#
 Tool Open 1 Hr. — — Min.; Shut-in-Initial — — — Hr. 30 Min.; Shut-in-Final — — — Hr. 30 Min.
 Chokes; Surface 1/2" Bottom 3/4" Fluid Cushion: Type None Amount None
 Recovery:

2600' Salt and sulphur water slightly gas cut.

SURFACE DATA:

BLOW: Strong blow decreasing to weak blow

Maxium Surface Pressure _____ Did Well Flow? No

Description of Flow	Time	Max. Pressure	Size Surface Choke

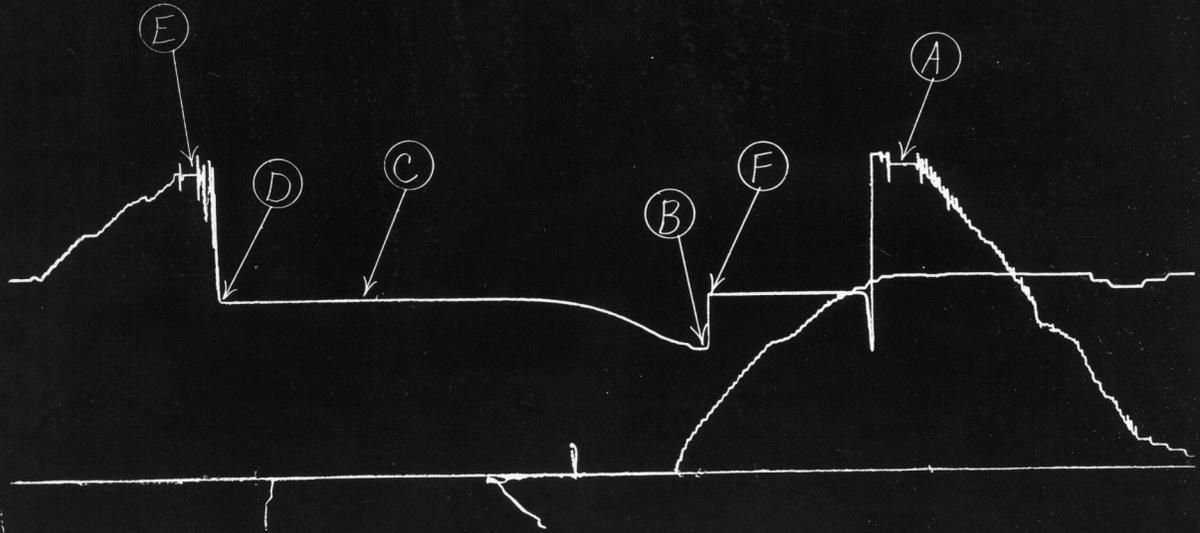
GENERAL OPERATIONAL DATA:

Hole Size: Main Hole 7 7/8" Rat Hole — — — Drill Pipe Size 4 1/2" F.H.
 Hole Condition Good Mud Weight 10. Viscosity 49
 Type Pressure Recorder Western Recorder No. 55-56 Date Calib. 4-1-60
 Extra Equipment: Dual Packer Dual Jars Yes Safety Joint No
 Was Test Recovery Reversed Out? Yes Bottom Hole Temperature 112°
 Number of Copies Requested Four

REMARKS:

Messman-Rinehart
MULL #1

Test # 2
T.K.T. # 9637K



This is an actual photograph of recorder chart.

PRESSURE DATA

Point

Pressure

(A) Initial Hydrostatic Mud	2100#	_____	_____
(B) Initial Flow	750#	_____	_____
(C) Final Flow	1180#	_____	_____
(D) Final Shut-In	1180#	_____	_____
(E) Final Hydrostatic Mud	2100#	_____	_____
(F) Initial Shut-In	1200#	_____	_____



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COMPANY Messman-Rinehart Oil Company WELL Mull #1
DATE 10-16-60 COUNTY Pawnee STATE Kansas
TEST NO. #3 TICKET NO. 9638-K TYPE TEST openhole (conventional)
TEST APPROVED BY J. Klein WESTERN REPRESENTATIVE W. M. Nething

TEST DATA:

Tested From 3820' To 3837' Depth 3837'
Hydrostatic Mud Pressure—Initial (A) 2160# Final (E) 2120#
Flow Pressure—Initial (B) 530# Final (C) 1160#
Bottom Hole Pressure—Initial (F) 1240# Final (D) 1200#
Tool Open 1 Hr. - - - Min.; Shut-in-Initial - - - Hr. 30 Min.; Shut-in-Final - - - Hr. 30 Min.
Chokes; Surface 1/2" Bottom 3/4" Fluid Cushion: Type None Amount None
Recovery:

2650' Gas cut salt water with scum oil

SURFACE DATA:

BLOW: Strong blow decreasing to weak blow gas to surface 12 minutes

Maximum Surface Pressure - - - Did Well Flow? No

Description of Flow	Time	Max. Pressure	Size Surface Choke

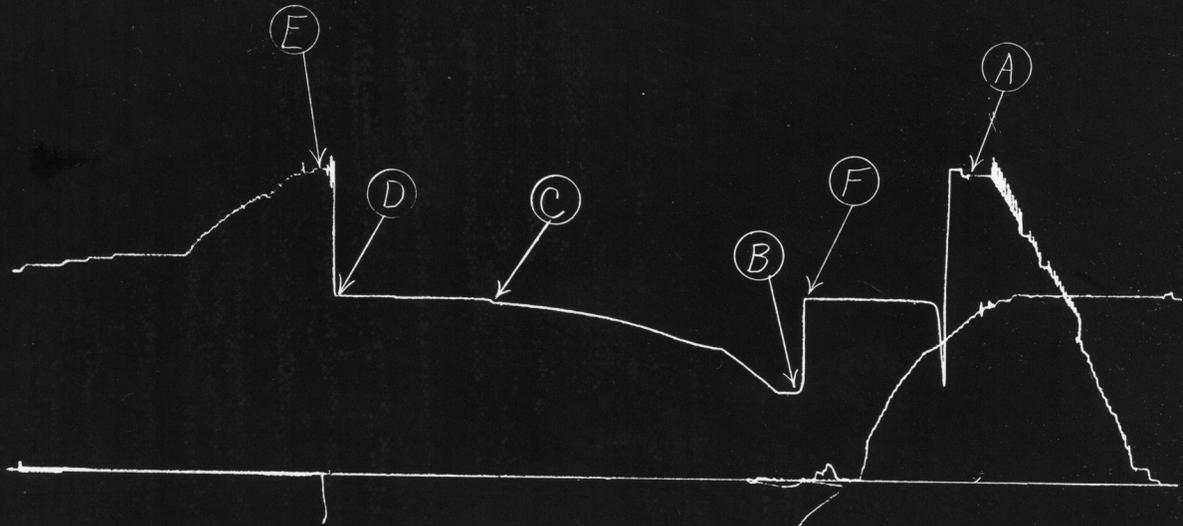
GENERAL OPERATIONAL DATA:

Hole Size: Main Hole 7 7/8" Rat Hole - - - Drill Pipe Size 4 1/2" F.H.
Hole Condition Good Mud Weight 9.9 Viscosity 41
Type Pressure Recorder Western Recorder No. 55-56 Date Calib. 4-1-60
Extra Equipment: Dual Packer No Jars No Safety Joint No
Was Test Recovery Reversed Out? Yes Bottom Hole Temperature 112°
Number of Copies Requested Four

REMARKS:

Messman-Rinehart
MULL #1

Test #3
T.K.T. # 9638K



This is an actual photograph of recorder chart.

PRESSURE DATA		Point	Pressure
(A) Initial Hydrostatic Mud	2160#	_____	_____
(B) Initial Flow	530#	_____	_____
(C) Final Flow	1160#	_____	_____
(D) Final Shut-In	1200#	_____	_____
(E) Final Hydrostatic Mud	2120#	_____	_____
(F) Initial Shut-In	1240#	_____	_____