

**OPEN HOLE TEST**

**JOHNSTON TESTERS, INC.**

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

DATE 2-18-57

OPEN HOLE TEST NO. 1 WELL: Koehn # 10  
 FIELD Greensburg COUNTY Kiowa STATE Kansas

COMPANY Gulf Oil Corporation  
 ADDRESS Box 2233, Wichita Kansas  
 TEST APPROVED BY P.L. Miller  
 JOHNSTON OPERATOR Ed Schobhoff TICKET NO. 19584 N

GENERAL TEST DATA

TYPE TEST <u>Conventional</u>		TOTAL DEPTH <u>5000'</u>
1. Test Interval: <u>4970'</u> To <u>5000'</u>	7. Fluid Cushion: Type <u>None</u> Amount	
2. Tool Open <u>1</u> Hrs. Min	8. Air Chamber Amount <u>None</u> Size:	
3. Initial Shut In <u>-</u> Hrs. Min	9. Did Packer(s) Hold? <u>Yes</u>	
4. Final Shut In <u>-</u> Hrs. <u>30</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>525'</u> Total,		
153' slightly oil cut mud 93' heavy oil and gas cut mud 274' muddy oil 5' water		

REMARKS:

SURFACE INFORMATION

1. Blow: Good blow.

2. Maximum Surface Pressure - Did Well Flow? No

Description Or Rate of Flow	Time	Max. Pressure	Size Surface Choke
<u>Gas to surface in 35 minutes</u>			<u>1/2"</u>
<u>too weak to guage</u>			

MUD, HOLE, & TOOL DATA

**MUD, HOLE & JOHNSTON TOOL DATA**

MUD: Type Starch, Weight 9.7 Viscosity 42

HOLE: Main Hole Size 7 7/8 Drill Pipe Size 4 1/2 XH

Rat Hole Size -

JOHNSTON TOOLS:

1. Packer(s): Type B.T. O.D. 6 5/8 Type - O.D. -

Set At 4970' Set At -

2. Extra Equipment: Johnston jars.

Number of Copies Requested: 5



# D E S T A N A L Y S I S R E P O R T

DATE REPORTED November 7, 1957 DATE TESTED February 18, 1957  
 FILE NO. 0130-08-01 GAUGE NO. T-81

Since the results of a test depend upon many factors and since tests are made for many purposes, the comments and conclusions below refer solely to the values of the test for pressure extrapolation by our techniques. This report is not intended to be either an endorsement or a criticism.

In the event that further analyses reveal additional information, an amended report will be submitted.

PETROLEUM RESEARCH CORPORATION

Gulf Oil Corporation	(29S-18W) 28	Formation Tested
Company	Location	
Koehn	Kiowa	Kansas
Lease	County	State
#10 Well No.	KB 2240' Elevation	4995' Gauge Depth
#1 Test No.	4970'-5000' Interval Tested	
EXTRAPOLATED PRESSURE = 1640 + ? psi		Extrapolated initial & final closed-in pressures disagree.
POTENTIOMETRIC SURFACE = 1070 + 200 ft		Insufficient data reported.
EFFECTIVE TRANSMISS. = 77.5 md ft/cp		Chart is unusable.
AVERAGE PERMEABILITY (Viscosity estimated from reported recovery) = _____ md		Insufficient air-chamber, or leakage into air-chamber, for initial closed-in time.
PRODUCTIVITY INDEX = 0.126 B/D / psi		Initial closed-in time too short for section tested and air-chamber provided.
DAMAGE RATIO = 0.70		Closed-in pressure not taken.
DAMAGE EFFECT = x none slight moderate strong indeterminate		Formation fluid insufficiently sampled.
x Extrapolated pressure indefinite.		Possibility of nearby barrier.
x Closed-in time insufficient.		Clock slippage indicated.
Reported pressures disagree with chart.		Gauge friction indicated.
Build-up curve susceptible to mud leakage.		Tool disturbance indicated.
x Mud pressure from chart does not agree with mud pressure calculated from reported mud weight.		Plugging indicated.