

LOCATION	SEC: 28-29-18
FIELD	Nichols
COUNTY	Kiowa
STATE	Kansas



OIL WELL CEMENTING CO.

HOLE & TOOL DATA	
Total Depth	4967 ¹
Casing or Hole Size	7 7/8"

Date 3-29-57

Ticket No. 67071

HOWCO DISTRICT Pratt

Kind of Job Open Hole Test

Price \$226.00

Second Packer Assembly

Safety Joint

Extra Folder Charge

Jar345 100.00

No. Packers 1

Total \$326.00

Witnessed By Mr. Paul Miller

V. B. Snidle

Tester

Blanked Off

Yes

PRD Device No.

1604 Depth

4962¹

Blanked Off

REMARKS: Interval tested 4937¹ to 4967¹ in the Mississippi.

Tool opened @ 6:18 A. M. with a weak blow, gas to surface in 8 minutes,

gauged approximately 67,000 M.C.F., 57,400 M.C.F. in 30 minutes, 51,300

in 45 minutes, 25,600, M.C.F. in 60 minutes, closed in pressure taken @

7:18 A. M., and started off bottom @ 7:48 A. M. Recovered 174¹ of muddyoil, 1156¹ of free oil.

Initial Hydro Mud Pressure

95 p.s.i.

Final Flow Pres.

425 p.s.i.

Closed in Pres.

1515 p.s.i.

Final Hydro Mud Pressure

2643 p.s.i.

Amount of Cushion none

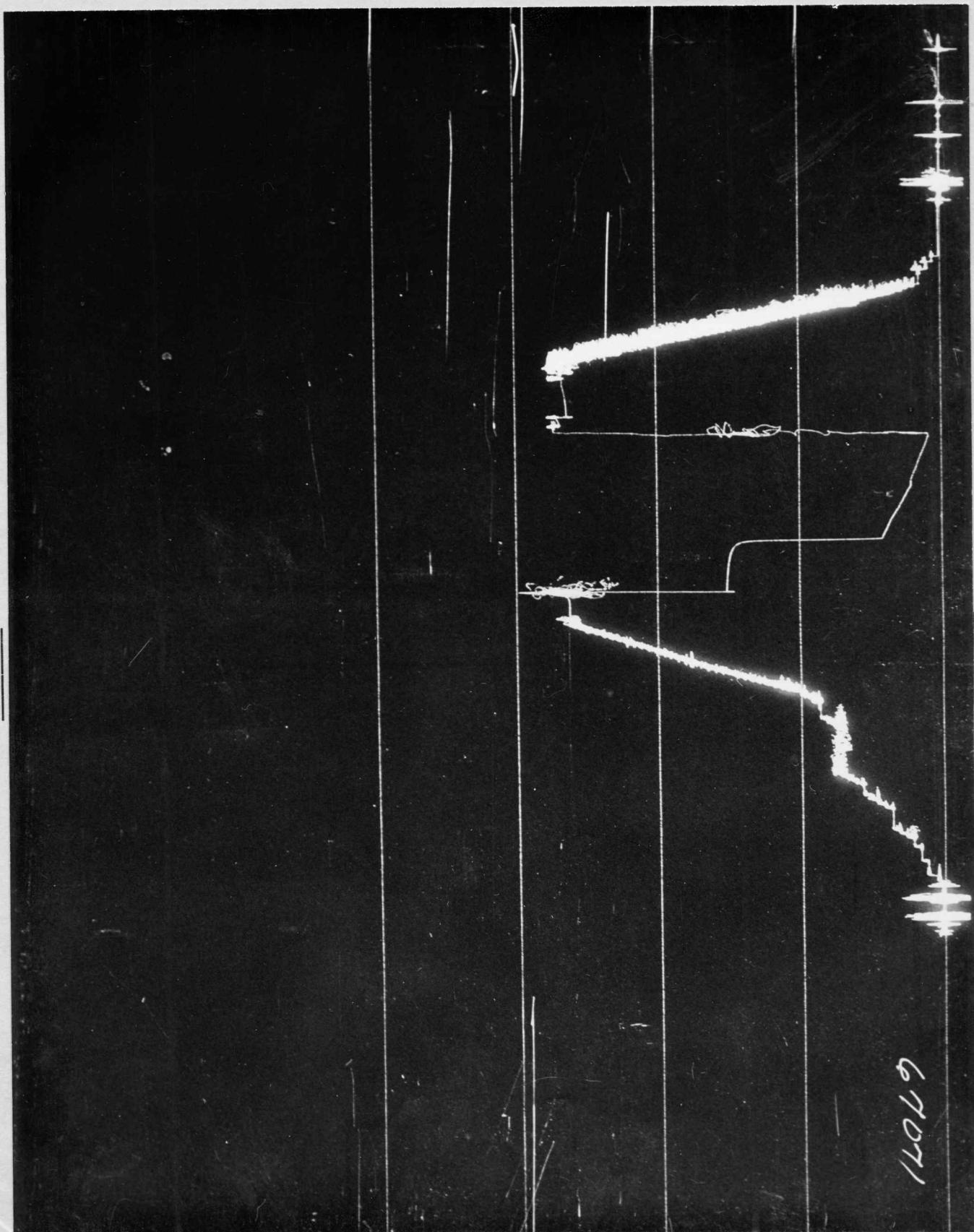
All depths measured from Kelly Bushing

No. Folders Reproduced

5

CONTRACTOR	Galcon-Seaboard		MUD DATA		HOLE & TOOL DATA		TEST NO.	
Total Depth	4967 ¹		Casing Perforations		Top —	Bottom —	Date	3-29-57
Top Packer Depth	4937 ¹		Bottom Packer Depth		—	—	Ticket No.	67071
Filter Loss	10 c. c. Filter Coke	2/32	Size Bottom Choke	3/4"	Size Drill Collars	—	HOWCO DISTRICT	Pratt
Ext. Gauge Depth Temp.	Calc. 120	F°	Size Hook Wall Packer	—	Size Surface Choke	1"	Kind of Job	Open Hole Test
Time Tool Opened	60 minutes		Size & Type Wall Packer	6 3/4" SEMP	No. Rings	—	Price	\$226.00
Time Closed In.	30 minutes		Size & Length Anchor	5" x 30"	No. Packers	1	Second Packer Assembly	
Depth B.T. Gauge	4953 ¹	Blanked Off	PRD Device No.	1604 Depth	Blanked Off	Yes	Safety Joint	—
B.T. P.R.D. No.	697	No					Extra Folder Charge	—
12 Hr. Clock No.	2232							
Pressure Readings	Field	Office Corrected						
Initial Hydro Mud Pressure		2688 p.s.i.						
Initial Flow Pres.		95 p.s.i.						
Final Flow Pres.		425 p.s.i.						
Closed in Pres.		1515 p.s.i.						
Final Hydro Mud Pressure		2643 p.s.i.						
		Amount of Cushion none						
		All depths measured from Kelly Bushing						

PRESSURE



Each Horizontal Line Equal to 1000 p.s.i.

KOHIN
LEASE

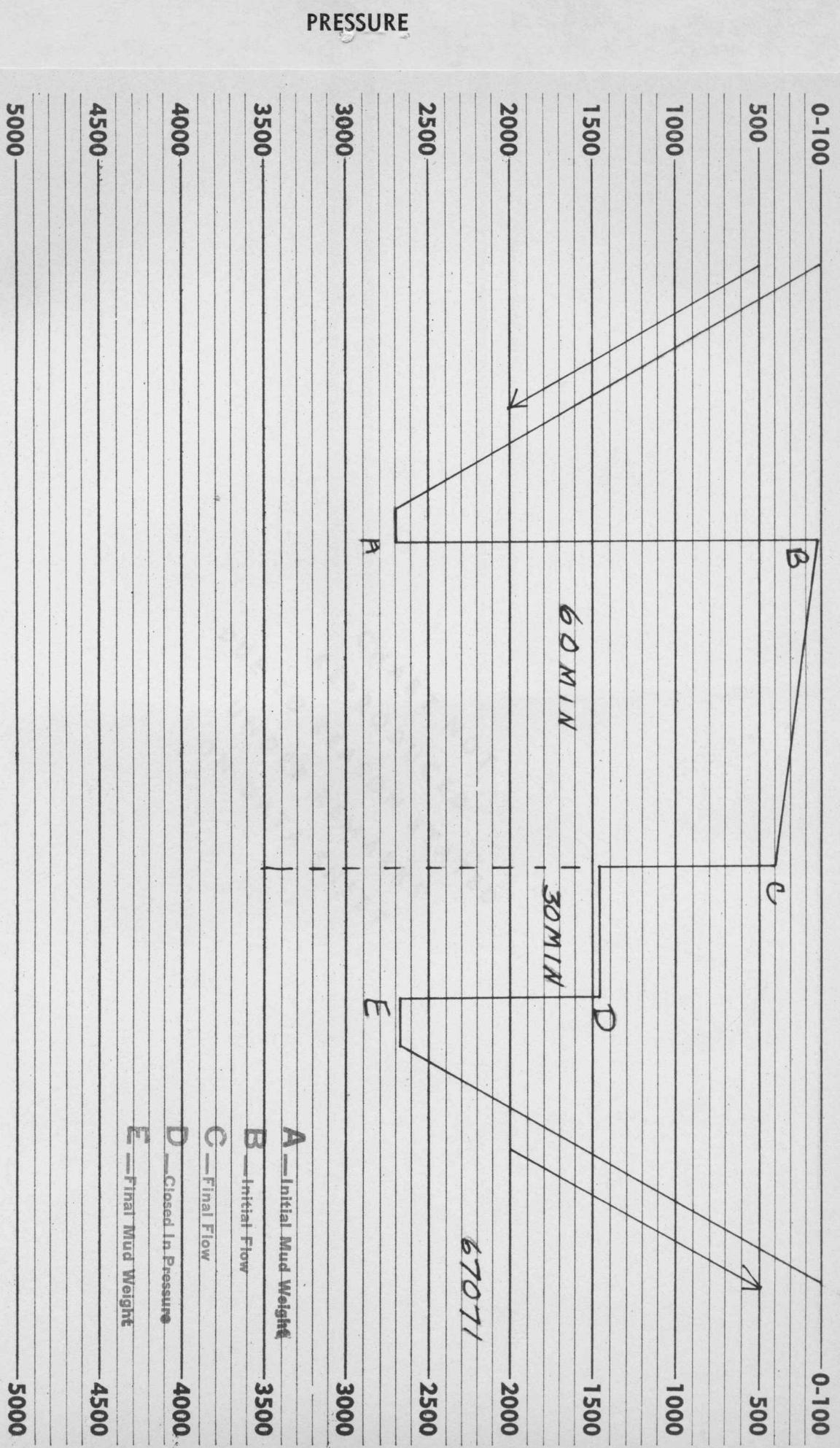
11
WELL NO.
TEST NO.

GULF OIL CORPORATION
COMPANY

WICHITA
DISTRICT

Bottom Recorder

TIME



Each Horizontal Line Equal to 1000 D.S.I.

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

DATE REPORTED November 7, 1957 DATE TESTED March 29, 1957
 FILE NO. 0130-09-01 GAUGE NO. BT.PRD.697

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 Company	(29S-18W) 28	Location	Formation Tested
<u>Koehn</u> Lease		Kiowa County	Kansas State
<u>#11</u>	<u>#1</u> <u>4937'-4967'</u>	<u>KB 2207'</u>	<u>4953'</u>
Well No.	Test No.	Interval Tested	Elevation
EXTRAPOLATED PRESSURE	= <u>1545</u> <u>±</u> <u>?</u> psi		Extrapolated initial & final closed-in pressures disagree.
POTENTIOMETRIC SURFACE	= <u>850</u> <u>±</u> <u>200</u> ft		Insufficient data reported.
EFFECTIVE TRANSMISS.	= <u>1392</u> 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	= <u>0.497</u> B/D / psi		Initial closed-in time too short for section tested and air-chamber provided.
DAMAGE RATIO	= <u>3.17</u>		Closed-in pressure not taken.
DAMAGE EFFECT	= none slight moderate x strong indeterminate		Formation fluid insuffi- ciently 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 re- ported mud weight.		Plugging indicated.