

ROBBINS

1

GULF OIL CORPORATION

WICHITA

LEASE

WELL NO.

TEST NO.

COMPANY

DISTRICT

LOCATION 31-30-16

FIELD Wildcat

COUNTY Kiowa

STATE Kansas

CONTRACTOR G & M Drilling Co.

MUD DATA

Kind Starch

Weight 10.1 lbs.-gal.

Viscosity 48.5 Sec.

Filter Loss 9.4 c. c. Filter Cake 2/32 in.

Est. Gauge Depth Temp. Actual 117 F.

Time Tool Opened 1 Hour

Time Closed In. 20 Minutes Initial

Depth BT. Gauge 4833'

BT. P.R.D. No. 536 Blanked Off No

12 Hr. Clock No. 2055

Pressure Readings Field Office Corrected

Initial Hydro Mud Pressure 2590 2645 p.s.i.

Initial Flow Pres. 50 51 p.s.i.

Final Flow Pres. 65 56 p.s.i.

Closed in Pres. 2140 Initial 2141 Missed p.s.i.

Final Hydro Mud Pressure 2590 2645 p.s.i.



HOLE & TOOL DATA

Total Depth 4850'

Top Packer Depth 4830'

Casing or Hole Size 7 7/8" Liner or Rothole Size 7 7/8"

Formation Tested Mississippi

Size Drill Pipe 4 1/2" Size Drill Collars 6 1/2"

Size Bottom Choke 3 1/4" Size Surface Choke 1"

Size Hook Woll Packer Size Rings No. Rings

Size & Type Woll Packer 6 3/4" ESWP. No. Packers 1

Size & Length Anchor 5" x 20'

PRD Device No. 1987 Depth 4846' Blanked Off Yes

REMARKS: Set packer, opened tool and took a 20 minute initial closed in pressure.

Tool opened with a good blow throughout test. Recovered 120' of drilling

mud.

Date 5-1-57

Ticket No. 40045

HOWCO DISTRICT Pratt

Kind of Job Open Hole

Price \$226.00

Second Packer Assembly

Safety Joint

Extra Folder Charge

Jars \$100.00

Jars

Jars

Total \$326.00

Witnessed By K.Owen

Tester C.W.Foster

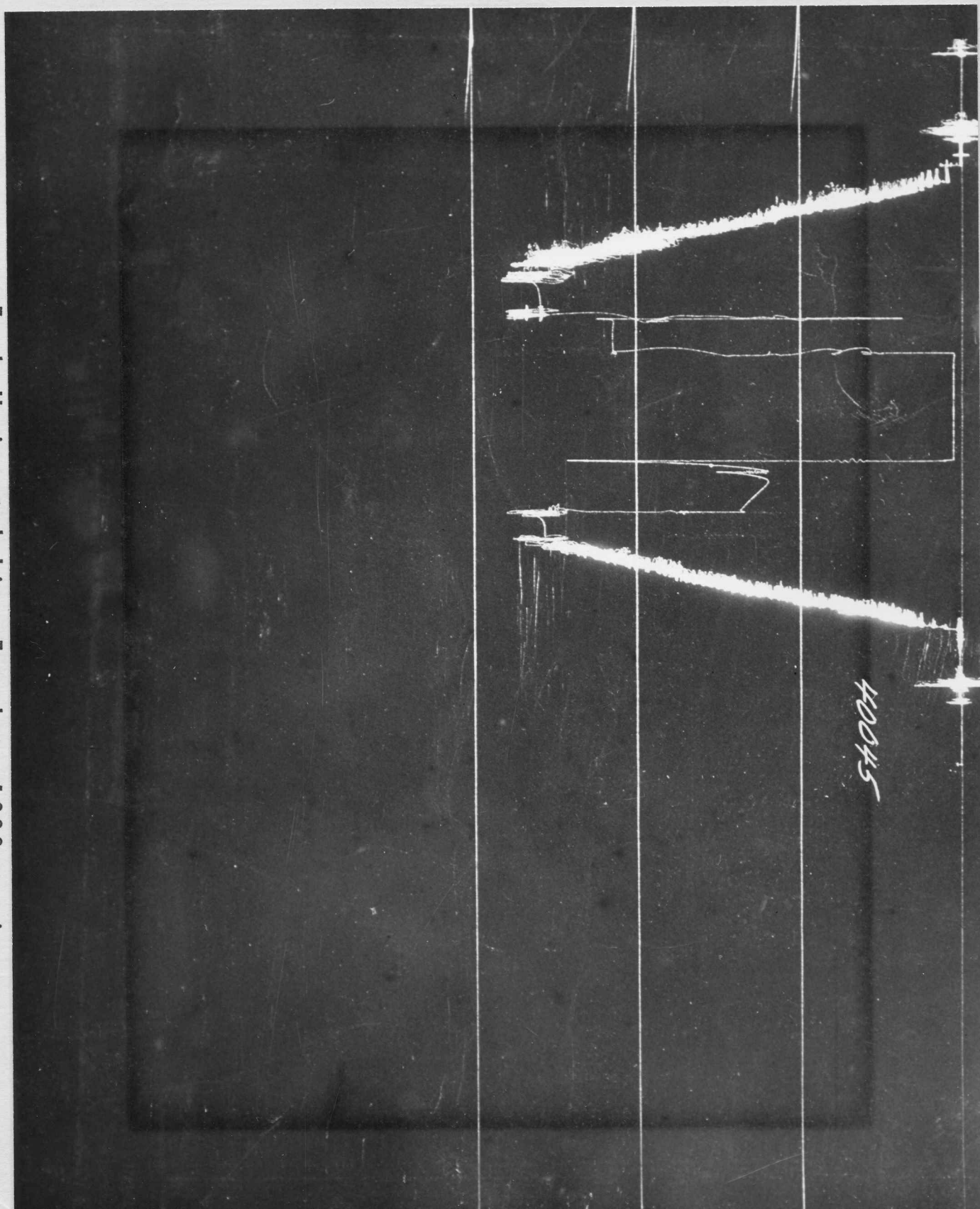
Amount of Cushion None All depths measured from Rotary Table

No. Folders Reproduced 5

PRESSURE

Top Recorder

TIME



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

ROBBINS
LEASE

1
WELL NO.

TEST NO.

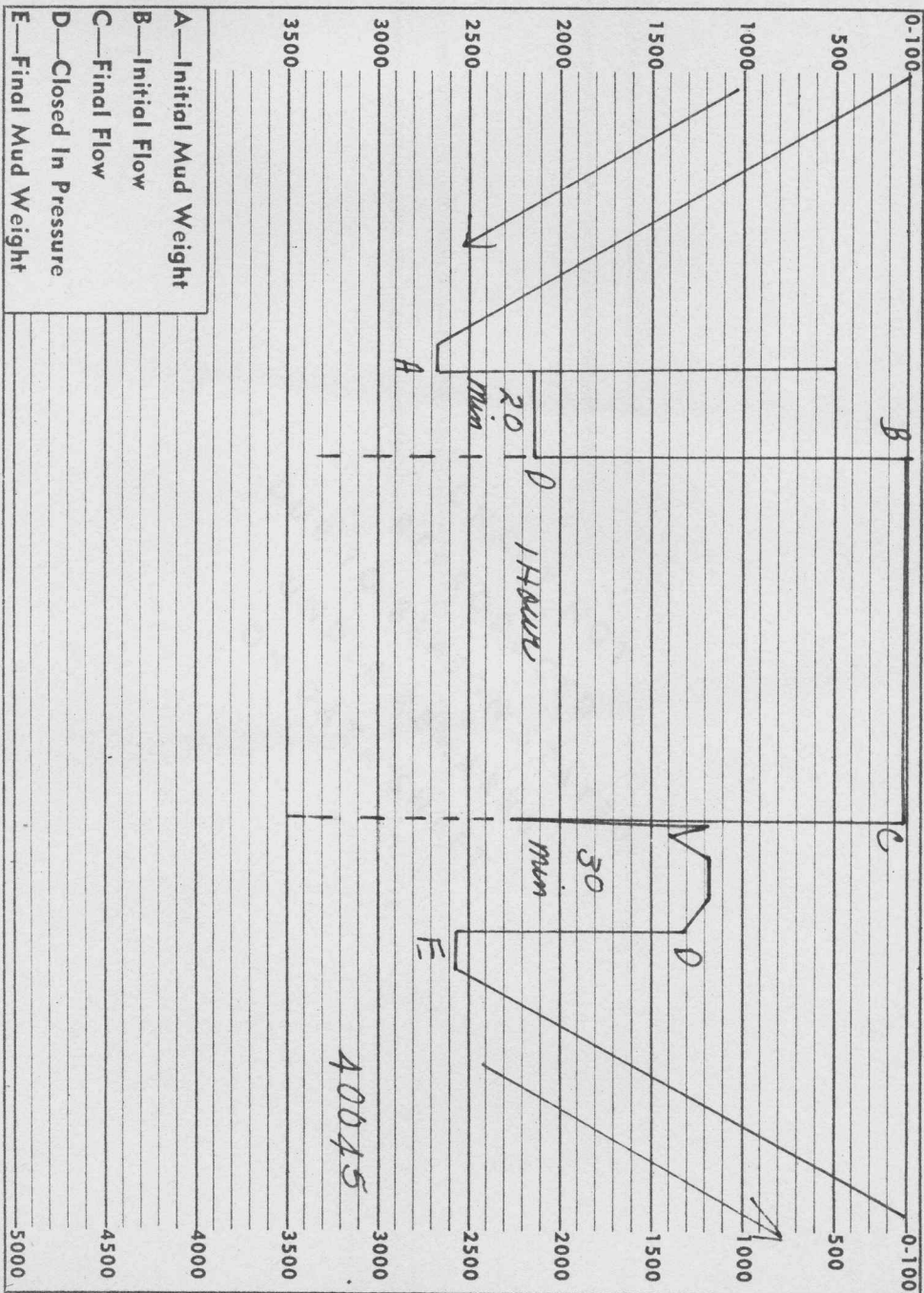
GULF OIL CORPORATION
COMPANY

WICHITA
DISTRICT

Bottom Recorder

TIME

PRESSURE



HOWCO—LITTLE'S 52644 75C 4.57

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

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

DATE REPORTED 11/20/57 DATE TESTED 5/1/57

FILE NO. 0186-06-01 GAUGE NO. BT-536

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			(30S-16W) 31 SW NE	
Company	Lease	Interval Tested	Location	Formation Tested
Robbins			Kiowa	Kansas
1	1	4830-4850'	County	State
Well No.	Test No.	Interval Tested	RT: 2023'	4833'
			Elevation	Gauge Depth
EXTRAPOLATED PRESSURE = 2141 + ? psi			X	Extrapolated initial & final closed-in pressures disagree.
POTENTIOMETRIC SURFACE = 2180 + 1000 ft				
EFFECTIVE TRANSMISS. = - - md ft/cp				Insufficient data reported.
AVERAGE PERMEABILITY				Chart is unusable.
(Viscosity estimated from reported recovery) = - - md			? X	Insufficient air-chamber, or leakage into air-chamber, for initial closed-in time.
PRODUCTIVITY INDEX = - - B/D / psi				
DAMAGE RATIO = - - -				Initial closed-in time too short for section tested and air-chamber provided.
DAMAGE EFFECT = none slight moderate strong indeterminate				Closed-in pressure not taken.
X	Extrapolated pressure indefinite.			Formation fluid insufficiently sampled.
X	Closed-in time insufficient.			Possibility of nearby barrier.
X	Reported pressures disagree with chart.			Clock slippage indicated.
	Build-up curve susceptible to mud leakage.			Gauge friction indicated.
X	Mud pressure from chart does not agree with mud pressure calculated from reported mud weight.		X	Tool disturbance indicated.
				Plugging indicated.
ICIP believed false.				

ICIP believed false.

Company GULF OIL CORPORATION

Date 5-1-57

Lease ROBBINS

Well No. 1

Ticket No. 40045

Test No. 1

	Time	PSI
Initial Hydro Mud Pressure		2645
Initial Closed In Pressure	20 Minutes	2141
Initial Flow		51
Final Flow	60 Minutes	56
Final Closed In Pressure	30 Minutes	Missed
Final Hydro Mud Pressure		2645

Total Depth 4850'

Packer Depth 4830'

BT No. 536 Depth 4833'

12 Hr. Clock No. 2055

Temperature Corrected to Actual 117 ° F.

	Initial CIP			Flow Pressure			Final CIP		
	Time Defl. .000"	PSI Defl. .000"	PSI Temp. Corr.	Time Defl. .000"	PSI Defl. .000"	PSI Temp. Corr.	Time Defl. .000"	PSI Defl. .000"	PSI Temp. Corr.
P0	.000	.227	371	.000	.031	51			
P1	.0215	1.328	2140	.104	.034	56			
P2	.025	1.329	2141	.208	.034	56			
P3	.0375	1.330	2143	.312	.034	56			
P4	.050	1.331	2145	.416	.034	56			
P5	.0625	1.331	2145						
P6	.075	1.331	2145						
P7	.0875	1.331	2145						
P8	.100	1.330	2143						
P9	.1125	1.330	2143						
P10	.125	1.329	2141						
	2 Minute Intervals			15 Minute Intervals			Minute Intervals		

Remarks:

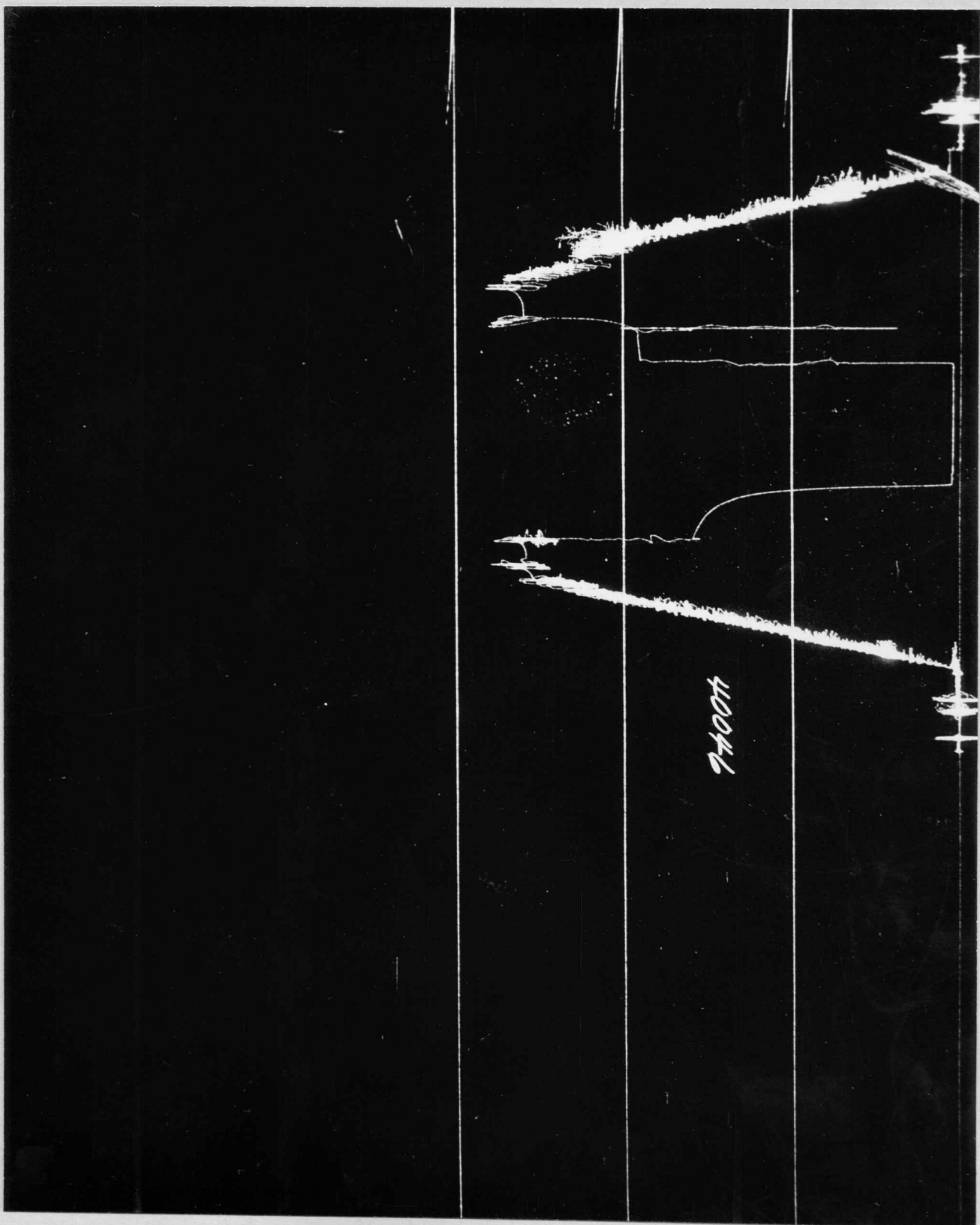


LOCATION	31-30-16						Date	5-2-57
FIELD	Wildcat						Ticket No.	40046
COUNTY	Kloma						HOWCO DISTRICT	Pratt
STATE	Kansas						Kind of Job	Open Hole
CONTRACTOR	G & M Drilling Co.		HOLE & TOOL DATA				Price	\$226.00
MUD DATA			Total Depth	4870'	Casing Perforations	Top	Bottom	Second Packer Assembly
Kind	Starch		Top Packer Depth	4850'	Bottom Packer Depth			
Weight	10.1	lbs.-gal.	Casing or Hole Size	7 7/8"	Liner or Rathole Size	7 7/8"		Safety Joint Extra Folder Charge
Viscosity	48.5	Sec.	Formation Tested	Mississippi				
Filter Loss	9.4 c. Filter Coke	2/32 in.	Size Drill Pipe	4 1/2"	Size Drill Collars	6 1/2"		Jars \$100.00
Est. Gauge Depth Temp.	Actual 118°	F°	Size Bottom Choke	3/4"	Size Surface Choke	1"		
Time Tool Opened	1 Hour 5 Minutes		Size Hook Wall Packer		Size Rings	No. Rings		
Time Closed In.	30 Minutes Initial		Size & Type Wall Packer	6 3/4" ESMP.		No. Packers	1	Total \$326.00
Depth BT. Gauge	4853'		Size & Length Anchor	5" x 20'				Witnessed By Kenneth Owen
BT. P.R.D. No.	536	Blanked Off	PRD Device No.	1897	Depth	4865'	Blanked Off	Yes
12 Hr. Clock No.	2055		REMARKS:	Set packer, opened tool and took a 20 minute initial closed in pressure.				Tester C.W. Foster
Pressure Readings	Field	Office Corrected	Tool opened with a good blow. Gas to the surface in 30 minutes. Too weak to measure. Recovered 115' of gas cut drilling mud.					
Initial Hydro Mud Pressure	2605	2685 p.s.i.	NO P.R.D. WAS SENT IN.					
Initial Flow Pres.	50	56 p.s.i.						
Final Flow Pres.	50	49 p.s.i.						
Closed in Pres.	1900 Initial 1580 Final	1899 1588 p.s.i.						
Final Hydro Mud Pressure	2605	2650 p.s.i.	Amount of Cushion	Note	All depths measured from	Rotary Table	No. Folders Reproduced	5

Top Recorder

TIME

PRESSURE



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

D S T ANALYSIS REPORT

DATE REPORTED 11/20/57 DATE TESTED 5/2/57
FILE NO. 0186-06-02 GAUGE NO. BT-536

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			(30S-16W) 31 SW NE	
Company	Location		Formation Tested	
Robbins	Kiowa	Kansas		
Lease	County	State		
1	RT: 2023'	4853'		
Well No.	Elevation	Gauge Depth		
EXTRAPOLATED PRESSURE = 1800 ± ? psi	X	Extrapolated initial & final closed-in pressures disagree.		
POTENTIOMETRIC SURFACE = 1360 ± 300 ft		Insufficient data reported.		
EFFECTIVE TRANSMISS. = 7.21 md ft/cp		Chart is unusable.		
AVERAGE PERMEABILITY (Viscosity estimated from reported recovery) = _____ md	X	Insufficient air-chamber, or leakage into air-chamber, for initial closed-in time.		
PRODUCTIVITY INDEX = 0.0106B/D / psi		Initial closed-in time too short for section tested and air-chamber provided.		
DAMAGE RATIO = 0.77		Closed-in pressure not taken.		
DAMAGE EFFECT = X none slight moderate X strong indeterminate	X	Formation fluid insufficiently sampled.		
X Extrapolated pressure indefinite.		Possibility of nearby barrier.		
X Closed-in time insufficient.		Clock slippage indicated.		
X 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.		

Company GULF OIL CORPORATIONDate 5-2-57Lease ROBBINSWell No. 1Ticket No. 40046Test No. 2

	Time	PSI
Initial Hydro Mud Pressure		2685
Initial Closed In Pressure	20 Minutes	1899
Initial Flow		56
Final Flow	65 Minutes	49
Final Closed In Pressure	30 Minutes	1588
Final Hydro Mud Pressure		2650

Total Depth 4870'Packer Depth 4850'BT No. 536 Depth 4853'12 Hr. Clock No. 2055Temperature Corrected to ACTUAL 118 ° F.

	Initial CIP			Flow Pressure			Final CIP		
	Time Defl. .000"	PSI Defl. .000"	PSI Temp. Corr.	Time Defl. .000"	PSI Defl. .000"	PSI Temp. Corr.	Time Defl. .000"	PSI Defl. .000"	PSI Temp. Corr.
PO				.000	.034	56	.000	.030	49
P1				.106	.026	42	.021	.593	961
P2				.212	.026	42	.042	.778	1258
P3				.318	.026	42	.063	.851	1375
P4				.424	.030	49	.084	.894	1444
P5				.459*	.030	49	.105	.921	1487
P6							.126	.942	1521
P7							.147	.957	1545
P8							.168	.969	1564
P9							.189	.978	1579
P10							.210	.984	1588
	Minute Intervals			15 Minute Intervals			3 Minute Intervals		

Remarks: No special reading on initial closed in pressure due to character of curve.*Last interval of flow time is not equal to a full 15 minute interval.

Company

Gulf Oil Corp.

Pressure

Device No. 1987

Date

5

1057

Location

Robbins

Well

1

Packer
Depth

4830

Testing

Ticket No.

T40045

0-100

500

1000

1500

2000

2500

3000

3500

4000

4500

5000

ONE HOUR

ONE HOUR

ONE HOUR

ONE HOUR

Halliburton Oil Well Cementing Co.

Duncan, Oklahoma

tapping outside.

ROBBINS

1

3

GULF OIL CORPORATION
COMPANYWICHITA
DISTRICT

LEASE

WELL NO.

TEST NO.

COMPANY

DISTRICT

LOCATION 31-30-16

FIELD Wildcat

COUNTY Kiowa

STATE Kansas

CONTRACTOR G & M Drilling Co.

MUD DATA

Kind Starch

Weight 9.9 lbs.-gal.

Viscosity 55 Sec.

Filter Loss 5.4 c. c. Filter Coke 1/32 in.

Est. Gauge Depth Temp. Actual 116° F.

Time Tool Opened 1 Hour 20 Minutes Initial

Time Closed In. 30 Minutes Final

Depth BT. Gauge 4874'

BT. P.R.D. No. 536 Blanked Off No

12 Hr. Clock No. 2055

Pressure Readings Field Office Corrected

Initial Hydro Mud Pressure 2610 2666 p.s.i.

Initial Flow Pres. 390 404 p.s.i.

Final Flow Pres. 715 Initial 712 p.s.i.
Missed 1724 p.s.i.

Closed in Pres. 1720 Final 1724 p.s.i.

Final Hydro Mud Pressure 2610 2666 p.s.i.



HOLE & TOOL DATA

Total Depth 4890'

Top Casing Perforations Bottom 4870'

Packer Depth 4865' Bottom Packer Depth 4870'

Casing or Hole Size 7 7/8" Liner or Rathole Size 7 7/8"

Formation Tested Mississippi

Size Drill Pipe 4 1/2" Size Drill Collars 6 1/2"

Size Bottom Choke 3/4" Size Surface Choke 1"

Size Hook Well Packer Size Rings No. Rings 2

Size & Type Well Packer 6 3/4" ESWP.

Size & Length Anchor 5" x 20'

PRD Device No. 1987 Depth 4886' Blanked Off Yes

REMARKS: Set packer, opened tool and took a 20 minute initial closed in pressure.

(10' of air chamber.) Tool opened with a strong blow. Gas to the sur-

face in 4 minutes approximate gas - 10 minutes 1,100,00 20 minutes

2,200,000 - 30 minutes 2,500,000 - 1 hour 2,500,000 cubic feet.

Recovered 165' of gas cut drilling mud.

Amount of Cushion None All depths measured from Rotary Table

No. Folders Reproduced 5

Date 5-3-57

Ticket No. 40047

HOWCO DISTRICT Pratt

Kind of Job Open Hole

Price \$226.00

Second Packer Assembly

Safety Joint

Extra Folder Charge

Jars \$100.00

Total \$326.00

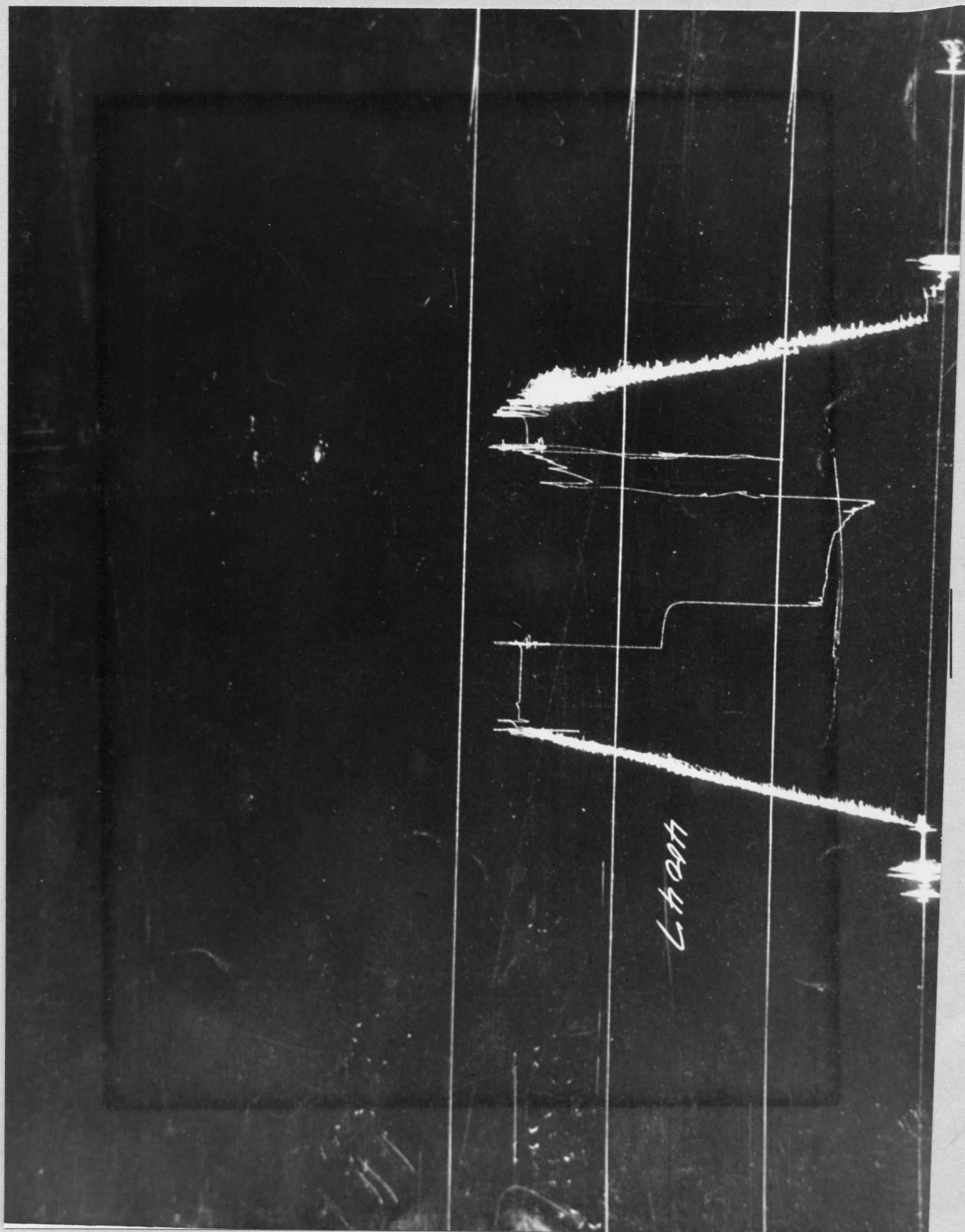
Witnessed By Paul Miller

Tester C.W. Foster

PRESSURE

Top Recorder

TIME



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

ROBBINS
LEASE

1
WELL NO.

3
TEST NO.

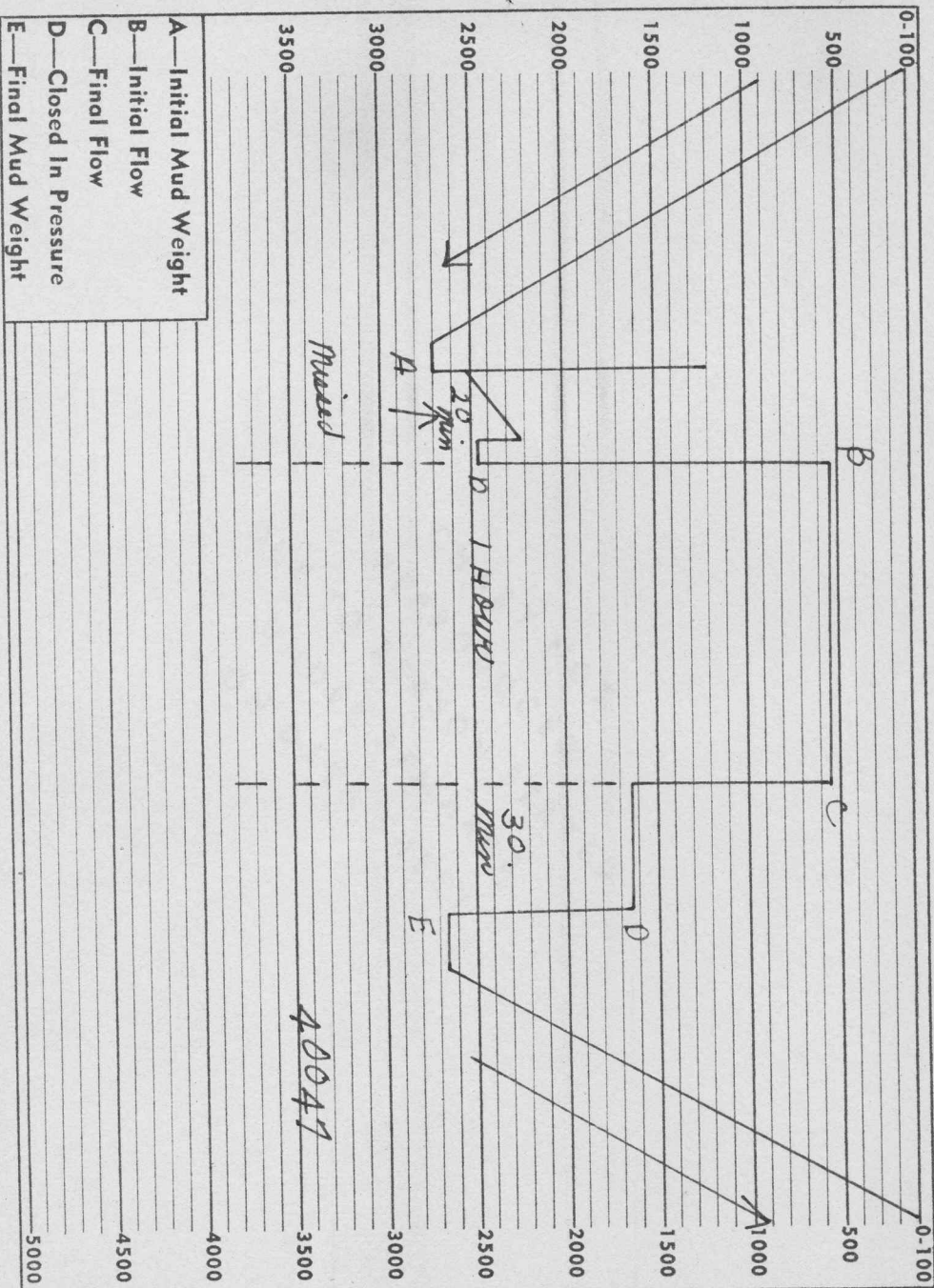
GULF OIL CORPORATION
COMPANY

WICHITA
DISTRICT

Bottom Recorder

TIME

PRESSURE



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

Company GULF OIL CORPORATION

Date 5-3-57

Lease ROBBINS

Well No. 1

Ticket No. 40047

Test No. 3

	Time	PSI
Initial Hydro Mud Pressure		2666
Initial Closed In Pressure	20 Minutes	Missed
Initial Flow		404
Final Flow	60 Minutes	712
Final Closed In Pressure	30 Minutes	1724
Final Hydro Mud Pressure		2666

Total Depth 4890'

Packer Depth 4865'-4870'

BT No. 536 Depth 4874'

12 Hr. Clock No. 2055

Temperature Corrected to Actual 116 ° F.

	Initial CIP			Flow Pressure			Final CIP		
	Time Defl. .000"	PSI Defl. .000"	PSI Temp. Corr.	Time Defl. .000"	PSI Defl. .000"	PSI Temp. Corr.	Time Defl. .000"	PSI Defl. .000"	PSI Temp. Corr.
PO				.000	.247	404	.000	.438	712
P1				.1085	.365	595	.0195	1.028	1659
P2				.217	.412	670	.039	1.047	1689
P3				.3255	.421	685	.0585	1.054	1700
P4				.434	.438	712	.078	1.059	1708
P5							.0975	1.061	1712
P6							.117	1.063	1715
P7							.1365	1.065	1718
P8							.156	1.066	1720
P9							.1755	1.068	1723
P10							.195	1.069	1724
	Minute Intervals			15 Minute Intervals			3 Minute Intervals		

Remarks:

LOCATION 31-30-16

FIELD Willmore

COUNTY Kiowa

STATE Kansas

CONTRACTOR G & M Drilling Co.

MUD DATA

Kind Starch

Weight 9.9 lbs.-gal.

Viscosity 55 Sec.

Filter Loss 6.0 c. c. Filter Cake 2/32 in.

Est. Gauge Depth Temp. ACTUAL 118° F.

Time Tool Opened 1 Hour 35 Minutes

Time Closed in. 20 Minutes Initial
30 Minutes Final

Depth BT. Gauge 4895'

BT. P.R.D. No. 536 Blanked Off No

12 Hr. Clock No. 2798

Pressure Readings Field Office Corrected

Initial Hydro Mud Pressure 2605 2683 p.s.i.

Initial Flow Pres. 645 PLUGGED 641 p.s.i.

Final Flow Pres. 890 PLUGGED 886 p.s.i.

Closed in Pres. 1740 Initial 1744 QUESTIONABLE
1740 Final 1732 p.s.i.

Final Hydro Mud Pressure 2605 2683 p.s.i.



HOLE & TOOL DATA

Total Depth

4910'

Casing Perforations Top Bottom

Top Packer Depth

4885'

Bottom Packer Depth 4890'

Casing or Hole Size 7 7/8"

Liner or Rothole Size 7 7/8"

Formation Tested

Mississippi

Size Drill Pipe

4 1/2" FH.

Size Drill Collars 6"

Size Bottom Choke

3 1/4"

Size Surface Choke 1"

Size Hook Well Packer

Size Rings No. Rings

Size & Type Well Packer

6 3/4" ESWP.

No. Packers 2

Size & Length Anchor 5" x 20'

PRD Device No.

1897 Depth

4906'

Blanked Off Yes

Tester

L. Davis

REMARKS:

Set packer, opened tool and took a 20 minute initial closed in pressure.

Dropped bar, broke disc and received a weak blow which increased to a

strong blow in 20 minutes, blew throughout test. Gas to the surface in

55 Minutes. Recovered 125' of gas cut mud. (Plugged test for 55 minutes

and then broke loss.)

:

QUESTIONABLE

None

All depths measured from

Rotary Table

No. Folders Reproduced

5

PRESSURE

Top Recorder

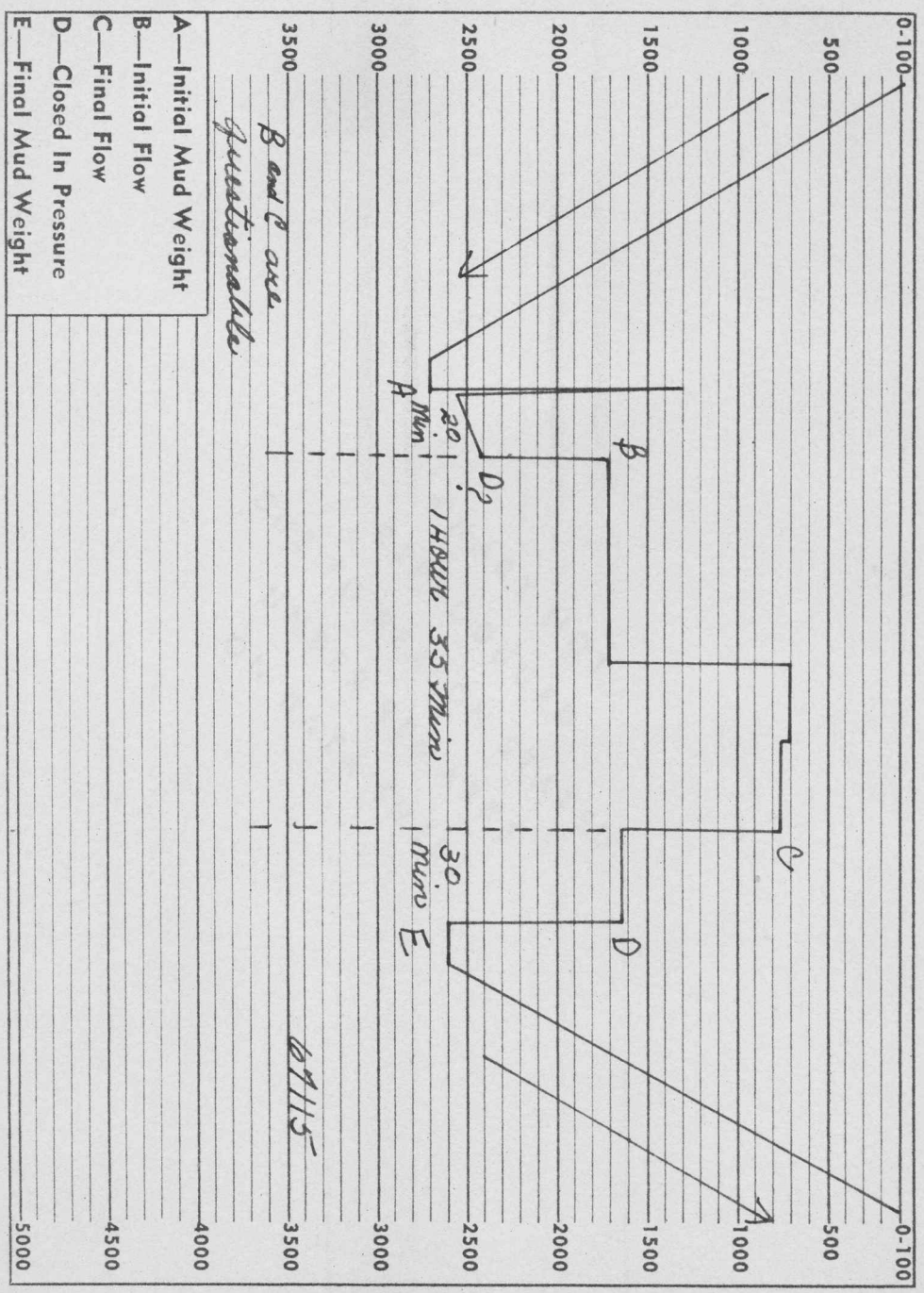
TIME



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

Bottom Recorder

TIME



HOWCO—LITTLE'S 52644 JEC 4.57

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

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

DATE REPORTED 11/20/57 DATE TESTED 5/4/57
 FILE NO. 0186-06-04 GAUGE NO. BT-536

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

<u>Gulf Oil Corporation</u> Company <u>Robbins</u> Lease <u>4</u> <u>1</u> Well No. Test No. <u>4890-4910'</u> Interval Tested EXTRAPOLATED PRESSURE = <u>1774</u> + <u>?</u> psi POTENTIOMETRIC SURFACE = <u>1260</u> + <u>200</u> ft EFFECTIVE TRANSMISS. = <u>- -</u> md ft/cp AVERAGE PERMEABILITY (Viscosity estimated from reported recovery) = <u> </u> md PRODUCTIVITY INDEX = <u>- -</u> B/D / psi DAMAGE RATIO = <u> </u> DAMAGE EFFECT = <u> </u> none slight moderate X strong indeterminate <u>X</u> Extrapolated pressure indefinite. <u>X</u> Closed-in time insufficient. <u>X</u> Reported pressures disagree with chart. <u> </u> Build-up curve susceptible to mud leakage. <u>X</u> Mud pressure from chart does not agree with mud pressure calculated from re- ported mud weight.	<u>(30S-16W) 31 SW NE</u> Location <u>Kiowa</u> County <u>RT: 2023'</u> Elevation <u>Kansas</u> State <u>4895'</u> Gauge Depth <u>X</u> Extrapolated initial & final closed-in pressures disagree. <u> </u> Insufficient data reported. <u> </u> Chart is unusable. <u>X</u> Insufficient air-chamber, or leakage into air-chamber, for initial closed-in time. <u> </u> Initial closed-in time too short for section tested and air-chamber provided. <u> </u> Closed-in pressure not taken. <u> </u> Formation fluid insuffi- ciently sampled. <u> </u> Possibility of nearby barrier. <u> </u> Clock slippage indicated. <u> </u> Gauge friction indicated. <u>X</u> Tool disturbance indicated. <u>X</u> Plugging indicated.	Formation Tested
---	---	-------------------------

Company GULF OIL CORPORATIONDate 5-4-57Lease ROBBINSWell No. 1Ticket No. 67115Test No. 4

	Time	PSI
Initial Hydro Mud Pressure		2683
Initial Closed In Pressure	20 Minutes	QUESTIONABLE 1744
Initial Flow		PLUGGED 641
Final Flow	1 Hour 35 Minutes	PLUGGED 886
Final Closed In Pressure	30 Minutes	1732
Final Hydro Mud Pressure		2683

Total Depth 4910'Packer Depth 4885'-4990'BT No. 536 Depth 4895'12 Hr. Clock No. 2798Temperature Corrected to Actual 118⁰ ° F.

	Initial CIP			Flow Pressure			Final CIP		
	Time Defl. .000''	PSI Defl. .000''	PSI Temp. Corr.	Time Defl. .000''	PSI Defl. .000''	PSI Temp. Corr.	Time Defl. .000''	PSI Defl. .000''	PSI Temp. Corr.
P0							.000	.546	886
P1							.020	1.038	1675
P2							.040	1.059	1708
P3							.060	1.065	1718
P4							.080	1.068	1723
P5							.100	1.070	1726
P6							.120	1.071	1728
P7							.140	1.073	1731
P8							.160	1.073	1731
P9							.180	1.074	1732
P10							.200	1.074	1732
	Minute Intervals			Minute Intervals			3 Minute Intervals		

Remarks: No specail reading on initial closed in pressure and flow pressure due to plugging.



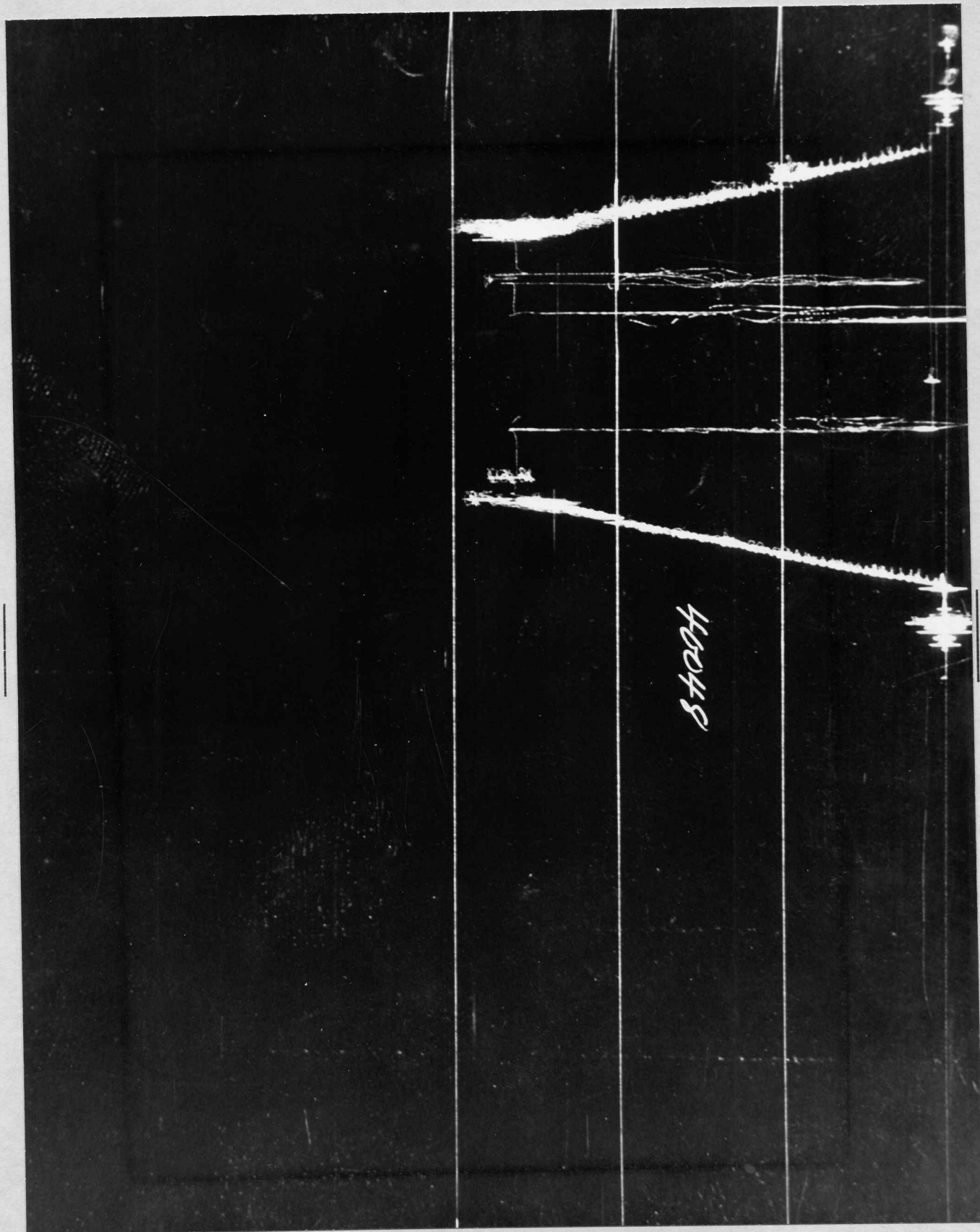
OIL WELL CEMENTING CO.

LOCATION	31-30-16	 OIL WELL CEMENTING CO.				Date	5-6-57
FIELD	Wildcat					Ticket No.	100148
COUNTY	KIOWA					HOWCO DISTRICT	Pratt
STATE	Kansas					Kind of Job	Open Hole
CONTRACTOR	G & M Drilling Co.	HOLE & TOOL DATA				Price	\$226.00
MUD DATA		Total Depth	4982'	Casing Perforations	Top		
Kind	Starch	Top Packer Depth	4963'	Bottom Packer Depth	Bottom		
Weight	10.2	Casing or Hole Size	7 7/8"	Liner or Rathole Size	7 7/8"	Second Packer Assembly	
Viscosity	57.5	Formation Tested	Mississippi			Safety Joint	
Filter Loss	5.6 c. Filter Cake	Size Drill Pipe	4 1/2"	Size Drill Collars	6 1/2"	Extra Folder Charge	
Est. Gauge Depth Temp.	Actual 119°	Size Bottom Choke	3/4"	Size Surface Choke	1"	Jars	\$100.00
Time Tool Opened	1 Hour	Size Hook Wall Packer		Size Rings	No. Rings		
Time Closed In.	20 Minutes Initial	Size & Type Wall Packer	6 3/4" ESMP.		No. Packers	1	Total
Depth	4953'	Size & Length Anchor	5" x 19'				Witnessed By
BT. Gauge		PRD Device No.	1987	Depth	4978'	Blanked Off	Yes
BT. P.R.D. No.	536						Tester
12	Mr. Clock No.						C.W. Foster
Pressure Readings	Field	Office	Corrected	REMARKS:			
Initial Hydro Mud Pressure	2605		2654 p.s.i.	Tool opened with a weak blow which died in 40 minutes. Flushed tool and received a weak blow throughout test. Recovered 140' of drilling mud.			
Initial Flow Pres.	65		65 p.s.i.	No special reading due to character of test.			
Final Flow Pres.	80		83 p.s.i.				
Closed in Pres.	2620 Initial		Missed				
	2620 Final		Missed				
Final Hydro Mud Pressure	2620		2654 p.s.i.	Amount of Cushion			
				None			
				All depths measured from			
				Rotary Table			
				No. Folders Reproduced			
				5			

PRESSURE

Top Recorder

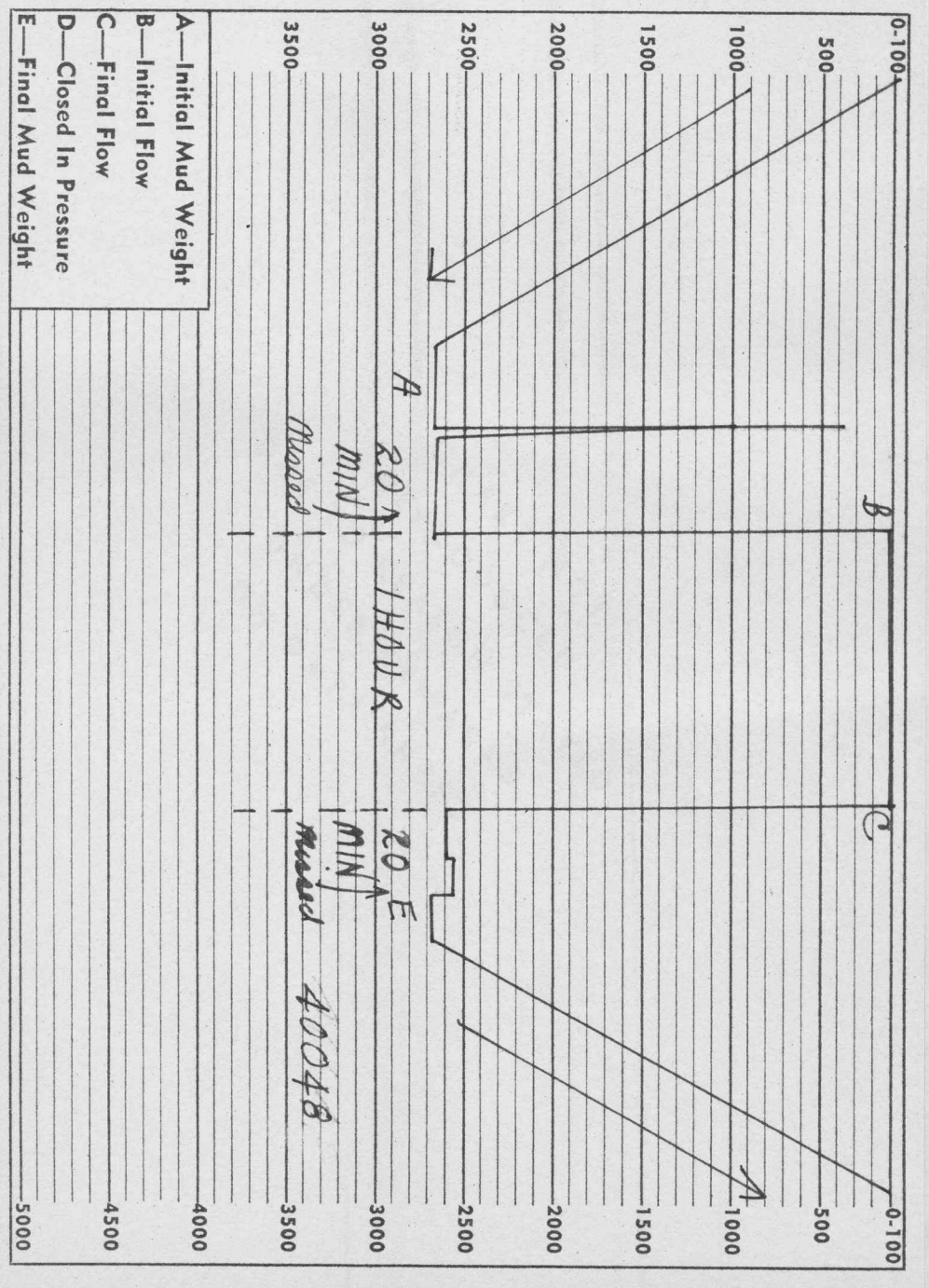
TIME



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

Bottom Recorder

TIME



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

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

DATE REPORTED 11/20/57 DATE TESTED 5/6/57
FILE NO. 0186-06-06 GAUGE NO. BT-536

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			(30S-16W) 31 SW NE	
Company	Location	Formation Tested		
Robbins	Kiowa	Kansas		
Lease	County	State		
1	RT: 2023'	4953'		
Well No.	Elevation	Gauge Depth		
EXTRAPOLATED PRESSURE =	-- + -- psi	Extrapolated initial & final closed-in pressures disagree.		
POTENTIOMETRIC SURFACE =	-- + -- ft	Insufficient data reported.		
EFFECTIVE TRANSMISS. =	-- 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 =	-- B/D / psi	Initial closed-in time too short for section tested and air-chamber provided.		
DAMAGE RATIO =		Closed-in pressure not taken.		
DAMAGE EFFECT =	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.		
X Build-up curve susceptible to mud leakage.		Tool disturbance indicated.		
Mud pressure from chart does not agree with mud pressure calculated from reported mud weight.		Plugging indicated.		