CORSE	1	1	GULF OIL CORPORATION	Area #6
LEASE	WELL NO.	TEST NO.	COMPANY	DISTRICT

Halliburton
OIL WELL CEMENTING CO.

LOCATION	19-29S-18W
FIELD	Wildcat
COUNTY	Kiowa
STATE	Kansas
CONTRACTOR	Falcon-Seaboard

MUD DATA

Kind	Starch	
Weight	10.1	lbs.-gal.
Viscosity	38	Sec.
Filter Loss	15.6 c. Filter Cake 2/32	in.
Est. Gauge Depth Temp.	Calc. 110	F°
Time Tool Open	77 Minutes	
Time Closed In.	15 Minutes-Initial 30 Minutes- Final	
Depth BT. Gauge	4504'	Ft.
BT. P.R.D. No.	196 Blanked Off No	
12 Hr. Clock No.	922	

Pressure Readings	Field	Office Corrected	
Initial Hydro Mud Pressure	2465	2471	p.s.i.
Initial Flow Pres.	16	32	p.s.i.
Final Flow Pres.	32	32	p.s.i.
Closed in Pres.	48 48	45 45	p.s.i.
Final Hydro Mud Pressure	-	2445	p.s.i.

HOLE AND TOOL DATA

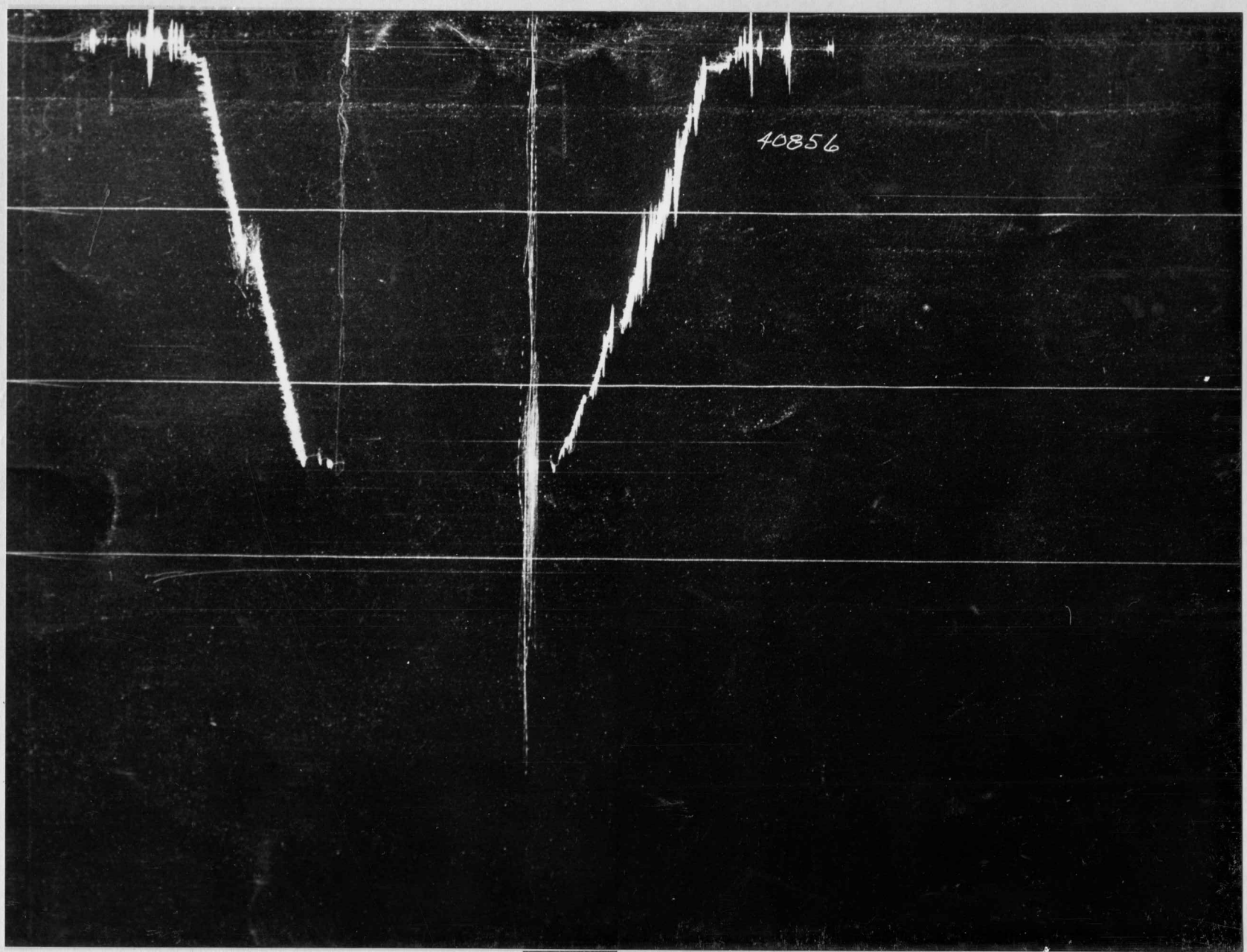
Total Depth	4532'	Casing Perforations Top	
		Bottom	
Top Packer Depth	4518'	Bottom Packer Depth	-
Casing or Hole Size	7 7/8"	Liner or Rathole Size	7 7/8"
Formation Tested	Lansing		
Size Drill Pipe	4½" Ex. Hole	Size Drill Collars	5 3/4"
Size Bottom Choke	3/4"	Size Surface Choke	1"
Size Hook Wall Packer	-	Size Rings -	No. Rings -
Size D. E. Wall Packer	6 3/4" E.S.W.P.		No. Packers 1
Size & Length Anchor	5" x 14'		
PRD Device No.	191 Depth 4528'		Blanked Off yes

REMARKS: Set packer, opened tool and took a 15 minutes Initial closed in pressure. Dropped bar, broke disc and received a very weak blow. which died in 29 minutes. Disc sub 32.50' above tool. Recovered 25' of slightly oil specked drilling mud. No special reading.

Amount of Cushion None All depths measured from Kelly Bushing

Date	6-14-55
Ticket No.	40856
HOWCO DISTRICT	Pratt
Kind of Job	Open Hole
Price	$ 215.00
Second Packer Assembly	
Safety Joint	
Extra Folder Charge	
Shaffer Jars	100.00
Total	$ 315.00
Witnessed By	Robert H. Sands
Tester	M.W. Unruh
No. Folders Reproduced	6

TIME



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

LEASE	WELL NO.	TEST NO.	COMPANY	DISTRICT
E. B. CORSE	1	2	GULF OIL CORPORATION	KANSAS

Halliburton
OIL WELL CEMENTING CO.

LOCATION	19-29-18
FIELD	Wildcat
COUNTY	Kiowa
STATE	Kansas
CONTRACTOR	Falcon-Seaboard

Date	6-19-55
Ticket No.	40834
HOWCO DISTRICT	Pratt
Kind of Job	Open Hole
Price	$ 231.00
Second Packer Assembly	
Safety Joint	
Extra Folder Charge	
Jars	
Total	$ 231.00
Witnessed By	Mr. Terrell
Tester	G.D.Mills

MUD DATA

Kind	Starch	
Weight	9.9	lbs.-gal.
Viscosity	44	Sec.
Filter Loss	6 c. c. Filter Cake 2/32	in.
Est. Gauge Depth Temp.	Calc. 120	F°
Time Tool Open	62 Minutes	
Time Closed In.	17 Minutes-Initial 31 Minutes-Final	
Depth BT. Gauge	4942'	Ft.
BT. P.R.D. No.	312	Blanked Off: no
12 Hr. Clock No.	1131	

HOLE AND TOOL DATA

Total Depth	5003'	Casing Perforations	Top: / Bottom:
Top Packer Depth	4952'	Bottom Packer Depth	-
Casing or Hole Size	7 7/8"	Liner or Rathole Size	7 7/8"
Formation Tested	Mississippi		
Size Drill Pipe	4½" Ex. Hole	Size Drill Collars	6" x 212'
Size Bottom Choke	3/4"	Size Surface Choke	1"
Size Hook Wall Packer	-	Size Rings: -	No. Rings: -
Size D. E. Wall Packer	6 3/4" E.S.W.P.	No. Packers	1
Size & Length Anchor	51' x 5 "Perforations		
PRD Device No.	Depth 4999'	Blanked Off	yes

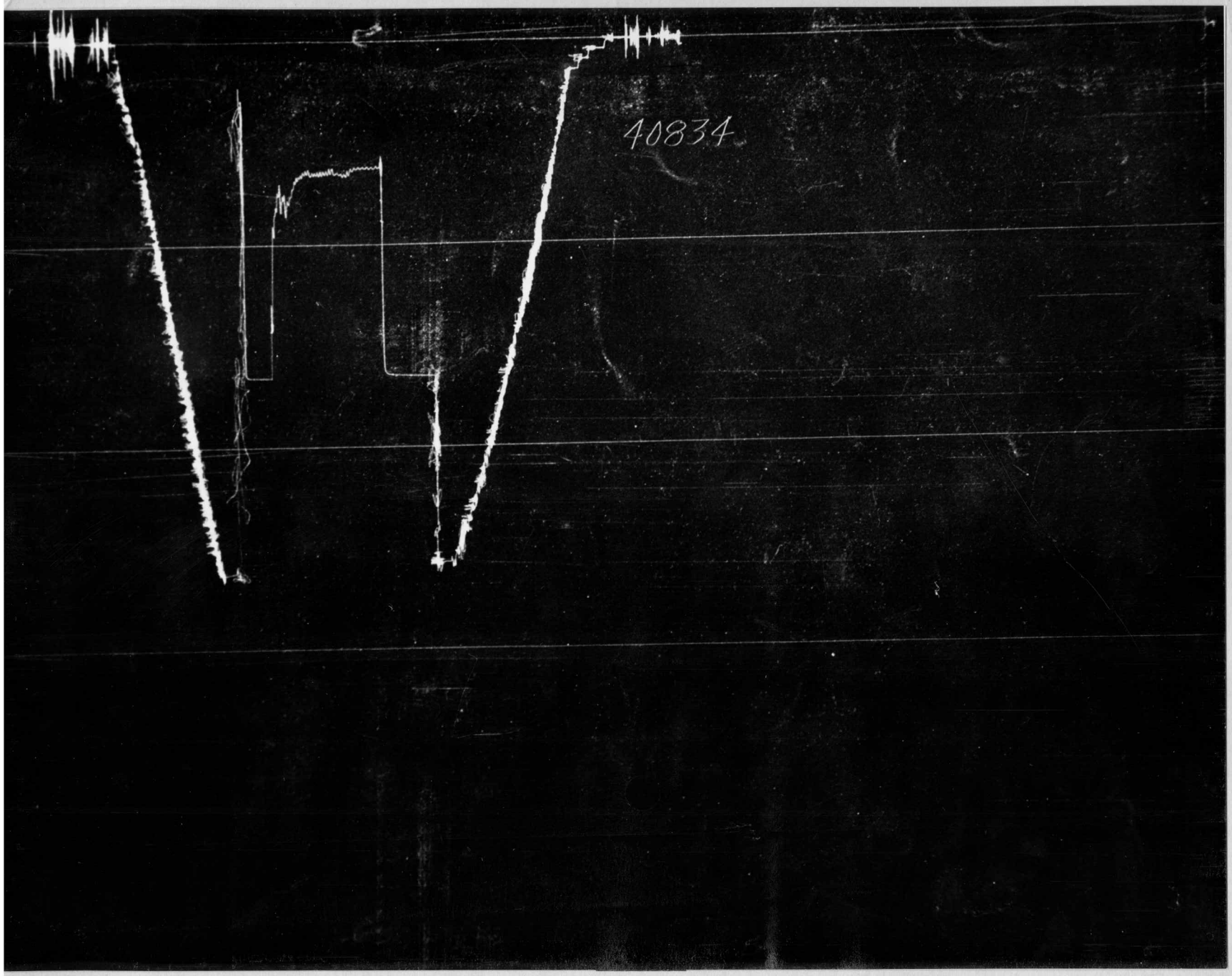
Pressure Readings	Field	Office Corrected
Initial Hydro Mud Pressure	2628	2641 p.s.i.
Initial Flow Pres.	705	911 p.s.i.
Final Flow Pres.	628	620 p.s.i.
Closed in Pres.	1650	1652 1647 p.s.i.
Final Hydro Mud Pressure	2560	2572 p.s.i.

REMARKS: Set packer, opened tool and took a 17 Minute Initial closed in Pressure. Dropped bar, broke disc and received gas to surface in 3 minutes, after ruptured disc 1,020,000 at the end of 15 minutes 1,250.000 at 30 minutes 1540000 cu.ft. at 45 mimutes, 1630000 at 60 minutes. Recovered 210' of gas cut drilling mud.

Amount of Cushion: None — All depths measured from: Kelly Bushing — No. Folders Reproduced: 5

HOWCO 803 ... 3-54 ...

TIME



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

D S T A NALYSIS R EPORT

DATE June 21, 1957 (6-19-55)

FILE NO. 12-5-1

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) 19 NE NE SW Location
E. B. Corse Lease	Kiowa County / Kansas State
#1 Well / 4952' - 5003' #2 Test	2271 DF Elevation / 4942 Gauge Depth

EXTRAPOLATED PRESSURE = 1652 ± ? psi

POTENTIOMETRIC SURFACE = 1180 ± 100 ft

EFFECTIVE TRANSMISS. = 579.0 md ft/cp

AVERAGE PERMEABILITY (Viscosity estimated from reported recovery) = ____ md

PRODUCTIVITY INDEX = 0.035 B/D / psi

DAMAGE RATIO = 19.0

DAMAGE EFFECT = ____ none ____ slight ____ moderate ___x___ strong ___x___ indeterminate

___x___ Extrapolated pressure indefinite.

_____ Closed-in time insufficient.

_____ Reported pressures disagree with chart.

_____ Build-up curve susceptible to mud leakage.

___x___ Mud pressure from chart does not agree with mud pressure calculated from reported mud weight.

_____ Extrapolated initial & final closed-in pressures disagree.

_____ Insufficient data reported.

_____ Chart is unusable.

_____ Insufficient air-chamber, or leakage into air-chamber, for initial closed-in time.

_____ Initial closed-in time too short for section tested and air-chamber provided.

_____ Closed-in pressure not taken.

_____ Formation fluid insufficiently sampled.

_____ Possibility of nearby barrier.

_____ Clock slippage indicated.

_____ Gauge friction indicated.

_____ Tool disturbance indicated.

___x___ Plugging indicated.

Company GULF OIL CORPORATIONS Date 6-19-55

Lease E. B. CORSE Well No. 1 Ticket No. 40834

Test No. 2

	Time	PSI
Initial Hydro Mud Pressure		2641
Initial Closed In Pressure	17 Mins.	1652
Initial Flow		911
Final Flow	62 Mins.	620
Final Closed In Pressure	31 Mins.	1647
Final Hydro Mud Pressure		2572

Total Depth 5003'

Packer Depth 4952'

BT No. 312 Depth 4942'

12 Hr. Clock No. 1131

Temperature Corrected to Calc. 120 ° 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	.219	291	.000	.686	911	.000	.467	620
P1	.011	1.238	1644	.1015	.502	667	.020	1.232	1636
P2	.022	1.243	1651	.203	.490	651	.040	1.236	1642
P3	.033	1.244	1652	.3045	.478	635	.060	1.236	1642
P4	.044	1.244	1652	.406	.470	624	.080	1.238	1644
P5	.055	1.244	1652	*.420	.467	620	.100	1.240	1647
P6	.066	1.244	1652				.120	1.240	1647
P7	.077	1.244	1652				.140	1.240	1647
P8	.088	1.244	1652				.160	1.240	1647
P9	.099	1.244	1652				.180	1.240	1647
P10	.110	1.244	1652				.200	1.240	1647
	1.7 Minute Intervals			15 Minute Intervals			3.1 Minute Intervals		

Remarks: * Last interval of flow time is not equal to full 15 minute interval.

SANDEFER

PETROLEUM RESEARCH CORPORATION

DST PRESSURE ANALYSIS

File No. 12-5-1

IFP

FFP

ICIP

FCIP

P_s = 1652 ??

O HOWCO

● PRC

Pressure, psig.

$\frac{(t+\Theta)}{\Theta}$

SEMI-LOGARITHMIC 359-61LG

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