McGUIRE	1	1	GULF OIL CORPORATION	WICHITA, KANSAS
LEASE	WELL NO.	TEST NO.	COMPANY	DISTRICT

LOCATION	Sec. 13-32-11			Date	7-20-57
FIELD	Sharon		Halliburton OIL WELL CEMENTING CO.	Ticket No.	69360
COUNTY	Barber			HOWCO DISTRICT	Kiowa, Kansas
STATE	Kansas		HOLE & TOOL DATA	Kind of Job	Open Hole Test
CONTRACTOR	Barbour Drilling Co.	Total Depth 4498'	Casing Perforations Top / Bottom	Price	$242.00
MUD DATA		Top Packer Depth 4464'	Bottom Packer Depth	Second Packer Assembly	
Kind	Starch	Casing or Hole Size 7-7/8"	Liner or Rathole Size	Safety Joint	
Weight	9.6 lbs.-gal.	Formation Tested Mississippi		Extra Folder Charge	
Viscosity	47 Sec.	Size Drill Pipe 4-1/2" FH	Size Drill Collars 6"	Jars	100.00
Filter Loss	9.6 c. c. Filter Cake 2/32 in.	Size Bottom Choke 5/8"	Size Surface Choke 1"		
Est. Gauge Depth Temp.	Calculated 110 F°	Size Hook Wall Packer -	Size Rings -	No. Rings -	
Time Tool Opened	1 Hour	Size & Type Wall Packer 6-3/4" ESWP		No. Packers 1	Total $342.00
Time Closed In.	Initial-20 Minutes Final -30 Minutes	Size & Length Anchor 5" X 34'			Witnessed By Mr. K. Owens
Depth BT. Gauge	4449'	PRD Device No. 1985	Depth 4493'	Blanked Off Yes	Tester J. H. Boydston
BT. P.R.D. No.	376 Blanked Off No	REMARKS: Set packer, opened tool to take a 20 minute Initial Closed in Pressure,			
12 Hr. Clock No.	1131	5:30 AM. Opened tool 5:50 AM with a slight blow. No gas to the surface.			

Pressure Readings	Field		Office Corrected	
Initial Hydro Mud Pressure	2470		2460	p.s.i.
Initial Flow Pres.	30		40	p.s.i.
Final Flow Pres.	40		40	p.s.i.
Closed in Pres.	635	Initial	630	p.s.i.
	802	Final	859	
Final Hydro Mud Pressure	-		2460	p.s.i.

Closed in 6:50 AM to take a 30 minute Final Closed in Pressure.

Pulled packer at 7:20 AM. Recovered 49' of drilling mud.

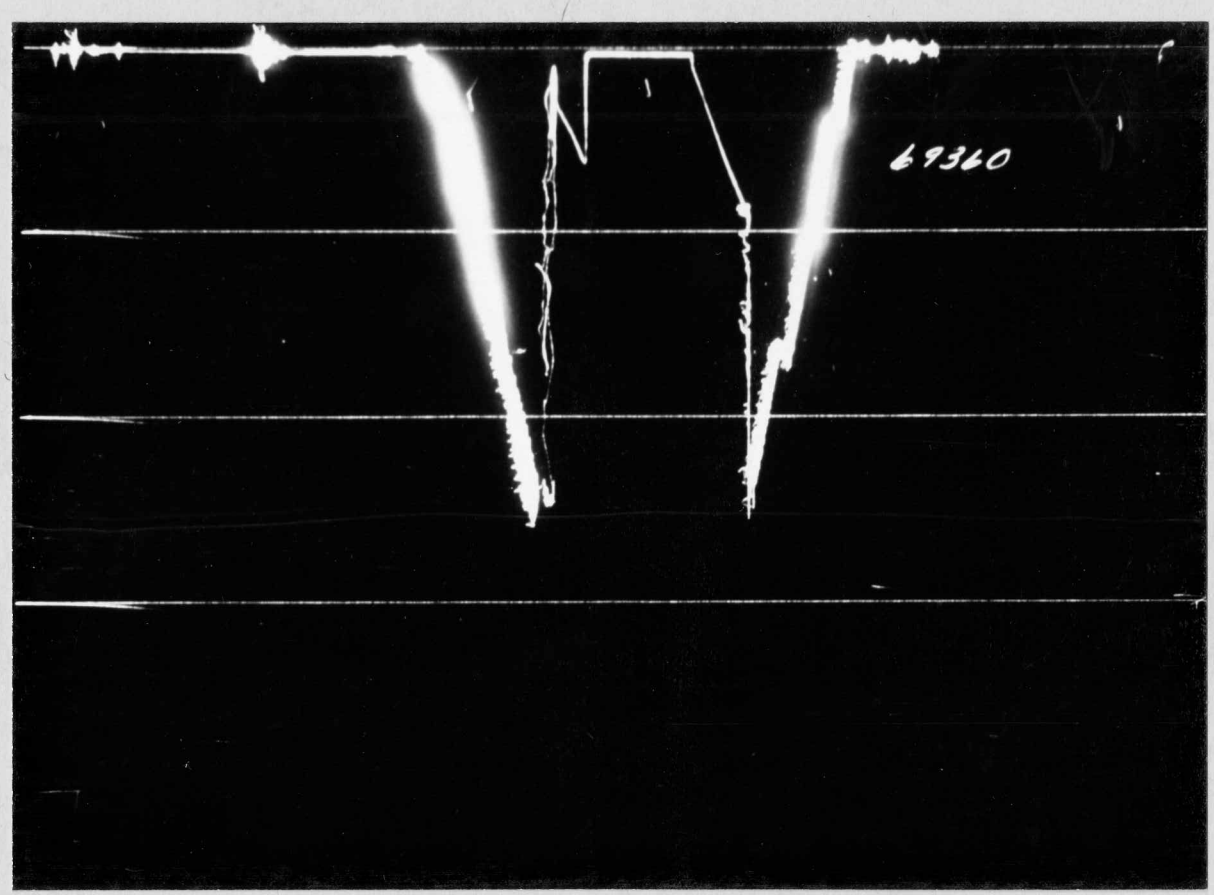
Amount of Cushion None All depths measured from Elevation 1410 Ground Level No. Folders Reproduced 5

HOWCO 893-R3 10M 199M (Printed in U. S. A.)

Top Recorder

TIME

PRESSURE



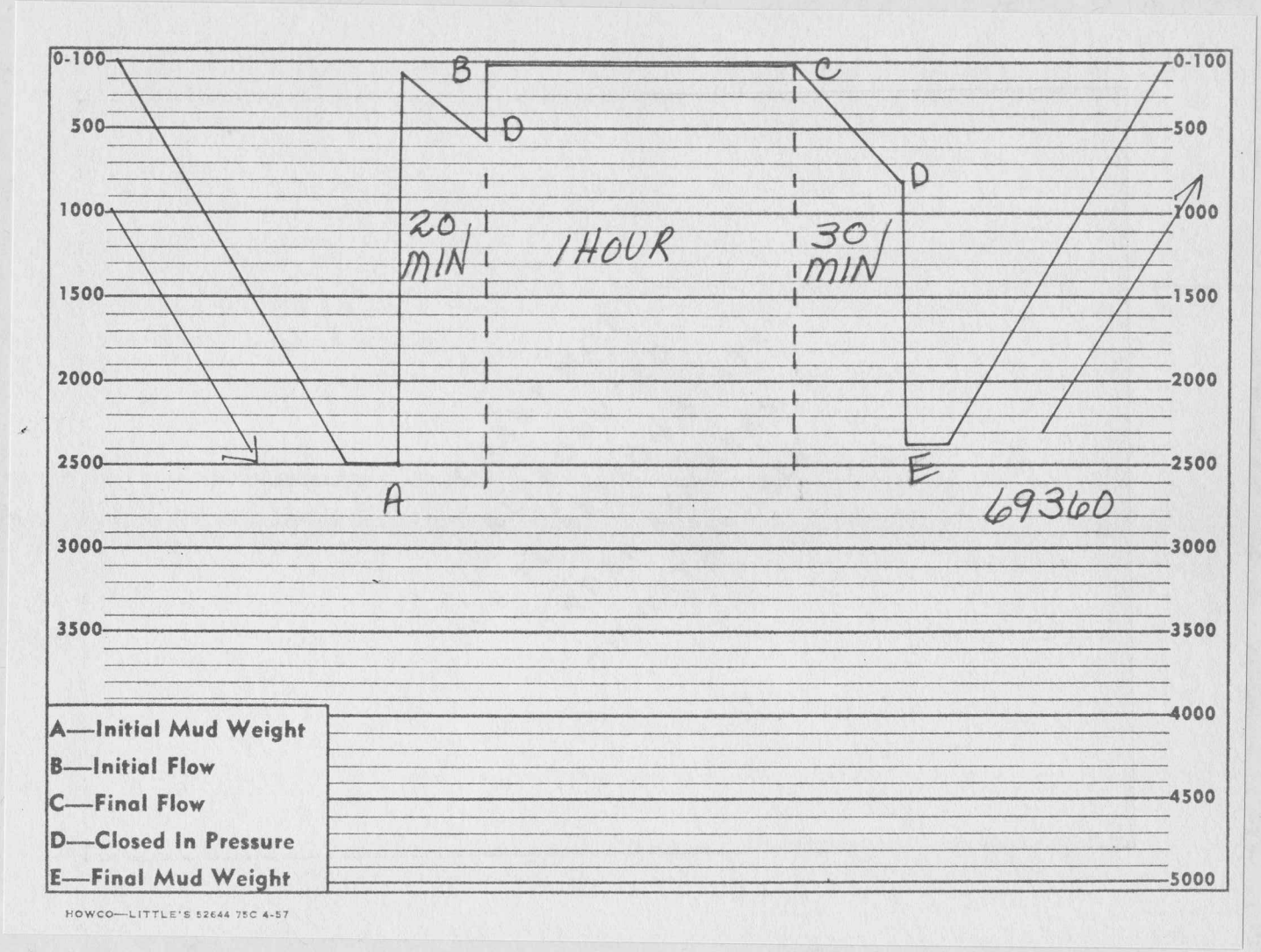
Each Horizontal Line Equal to 1000 p.s.i.

McGUIRE	1	1	GULF OIL CORPORATION	WICHITA, KANSAS
LEASE	WELL NO.	TEST NO.	COMPANY	DISTRICT

Bottom Recorder

TIME

PRESSURE



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

D S T ANALYSIS REPORT

DATE REPORTED 12/11/57 DATE TESTED 7/20/57

FILE NO. 0198-06-01 GAUGE NO. BT 376

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	(32S-11W) 13, C SW NE	
Company	Location	Formation Tested
George McGuire Lease	Barber County	Kansas State
#1 Well No. / #1 Test No.	4464'-4498' Interval Tested	KB: 1571' Elevation / 4449' Gauge Depth

EXTRAPOLATED PRESSURE = 1680 ± ? psi

POTENTIOMETRIC SURFACE = 1040 ± 1000 ft

EFFECTIVE TRANSMISS. = 0.713 ? md ft/cp

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

PRODUCTIVITY INDEX = 0.00524? B/D / psi

DAMAGE RATIO = 0.15?

DAMAGE EFFECT = x (none) slight moderate x (strong) indeterminate

x Extrapolated pressure indefinite.

x Closed-in time insufficient.

..... Reported pressures disagree with chart.

x Build-up curve susceptible to mud leakage.

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

x 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.

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

..... Closed-in pressure not taken.

x Formation fluid insufficiently sampled.

..... Possibility of nearby barrier.

..... Clock slippage indicated.

..... Gauge friction indicated.

..... Tool disturbance indicated.

..... Plugging indicated.

Company GULF OIL CORPORATION Date 7-20-57

Lease McGUIRE Well No. 1 Ticket No. 69360

Test No. 1

	Time	PSI
Initial Hydro Mud Pressure		2460
Initial Closed In Pressure	20 Mins.	630
Initial Flow		40
Final Flow	60 Mins.	40
Final Closed In Pressure	30 Mins.	859
Final Hydro Mud Pressure		2460

Total Depth 4498'

Packer Depth 4464'

BT No. 376 Depth 4449'

12 Hr. Clock No. 1131

Temperature Corrected to Calc. 110 ° 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	.074	103	.000	.029	40	.000	.029	40
P1	.013	.227	315	.107	.027	38	.0225	.125	174
P2	.026	.253	351	.214	.028	39	.045	.183	254
P3	.039	.278	386	.321	.029	40	.0675	.246	342
P4	.052	.298	414	.428	.029	40	.090	.302	419
P5	.065	.321	446				.1125	.364	505
P6	.078	.348	483				.135	.420	581
P7	.091	.376	522				.1575	.479	660
P8	.104	.401	555				.180	.529	727
P9	.117	.434	599				.2025	.584	801
P10	.130	.457	630				.225	.627	859
	2 Minute Intervals			15 Minute Intervals			3 Minute Intervals		

Remarks: