

HIGGINS
LEASE

WELL NO. 1

TEST NO. 1

GULF OIL CORPORATION
COMPANY

AREA #6
DISTRICT

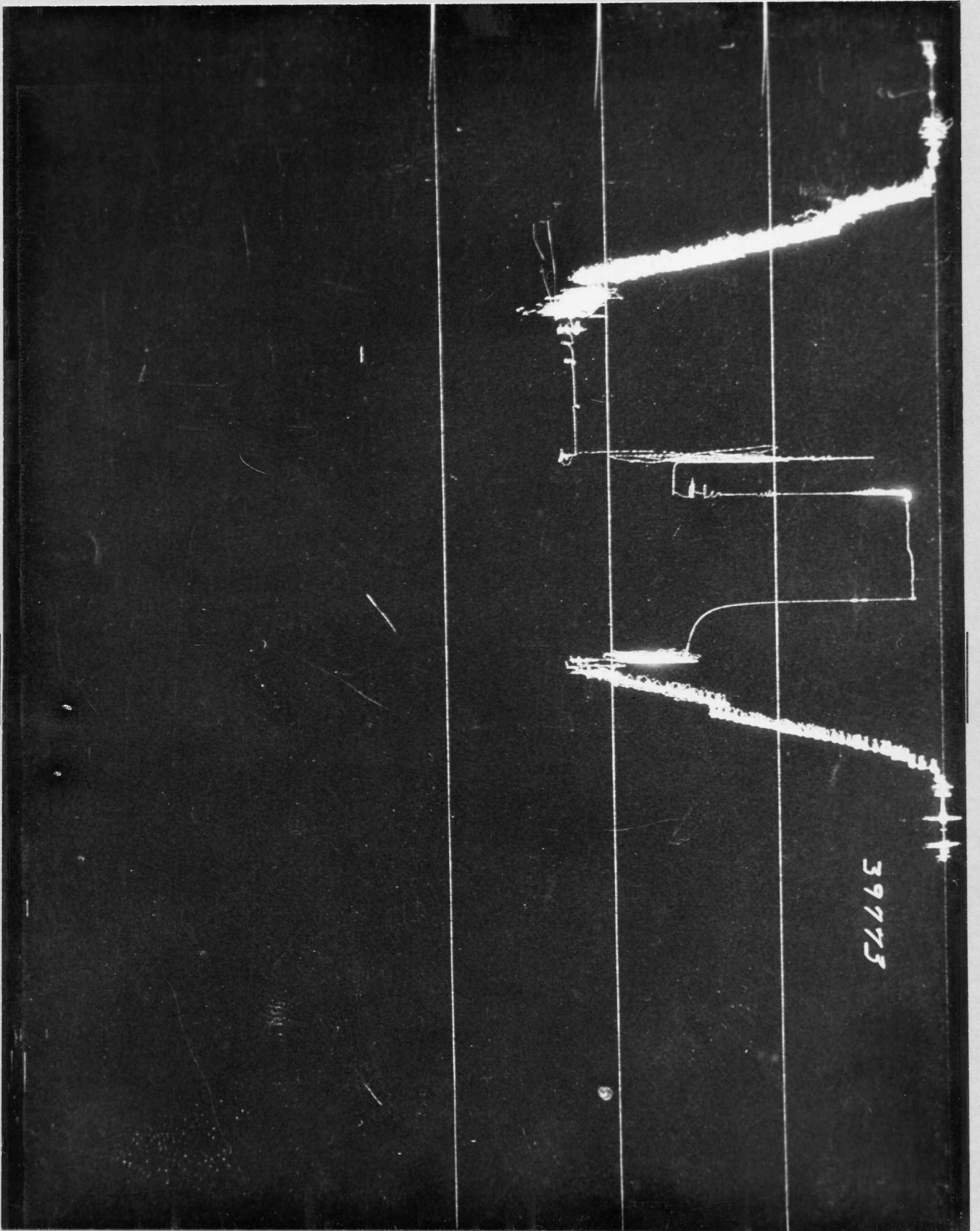


LOCATION	10-30-8	HOLE AND TOOL DATA		Date	3-11-56
FIELD	Sptvey	Total Depth	4178'	Ticket No.	39773
COUNTY	Kingman	Top Packer Depth	4138'	HOWCO DISTRICT	Pratt
STATE	Kansas	Casing or Hole Size	7 7/8"	Kind of job	Open Hole
CONTRACTOR	Barbour Drile. Co.	Formation Tested	Mississippi	Price	\$215.00
MUD DATA		Size Drill Pipe	4 1/2" API F.H.	Second Packer Assembly	
Kind	Starch	Size Bottom Choke	3/4"	Safety Joint	
Weight	10.1 lbs.-gal.	Size Hook Wall Packer	-	Extra Folder Charge	
Viscosity	43 Sec.	Size & Type Wall Packer	6 3/4" S.E.W.P.	Jars	
Filter Loss	8.4 c.c. Filter Cake 2/32 in.	Size & Length Anchor	4 5/8" x 40'	Total	\$215.00
Est Gauge Depth Temp.	Calc. 120 F°	PRD Device No.	1604	Witnessed By	P. L. Miller
Time Tool Open	80 minutes	Depth	4173'	Tester	M. W. Unruh
Time Closed In.	20 minutes-Initial 32 minutes-Final	REMARKS:	Set packer, opened tool and took a 20 minute Initial Closed In Pressure. Dropped bar, broke disc and received a strong blow with gas to surface in 2 minutes. Gauged 5 minutes-1,020 MCF, 15 minutes-1,140 MCF, 25 minutes 1,250' MCF, 40 minutes-1,350 MCF, 60 minutes-1,350 MCF. Recovered 155' of gas cut mud and 10' of water.		
Depth BT. Gauge	4130'				
BT. P.R.D. No.	536				
12 Hr. Clock No.	2798				
Pressure Readings	Field				
Initial Hydro Mud Pressure	2290				
Initial Flow Pres.	180				
Final Flow Pres.	180				
Closed in Pres.	1625 INITIAL 1565 FINAL				
Final Hydro Mud Pressure	-				

No. Folders Reproduced 5

PRESSURE

TIME



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

Company GULF OIL CORPORATION

Date 3-11-56

Lease HIGGINS

Well No. 1

Ticket No. 39773

Test No. 1

	Time	PSI
Initial Hydro Mud Pressure		2204
Initial Closed In Pressure	20 Mins.	1614
Initial Flow		201
Final Flow	80 Mins.	173
Final Closed In Pressure	32 Mins.	1556
Final Hydro Mud Pressure		2204

Total Depth 4178'

Packer Depth 4138'

BT No. 536 Depth 4130'

12 Hr. Clock No. 2798

Temperature Corrected to 122 (Read at 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	.249	407	.000	.123	201	.000	.106	173
P1	.013	.989	1600	.076	.123	201	.023	.816	1321
P2	.026	.994	1608	.152	.123	201	.046	.882	1427
P3	.039	.995	1609	.228	.115	188	.069	.908	1469
P4	.052	.996	1611	.304	.106	173	.092	.925	1497
P5	.065	.997	1613	.380	.106	173	.115	.935	1513
P6	.078	.998	1614	.405 *	.106	173	.138	.944	1527
P7	.091	.998	1614				.161	.951	1539
P8	.104	.998	1614				.184	.958	1550
P9	.117	.998	1614				.207	.961	1555
P10	.130	.998	1614				.230	.962	1556
	2 Minute Intervals			15 Minute Intervals			3.2 Minute Intervals		

Remarks: * Last interval of flow time is not equal to a full 15 Minute Interval.

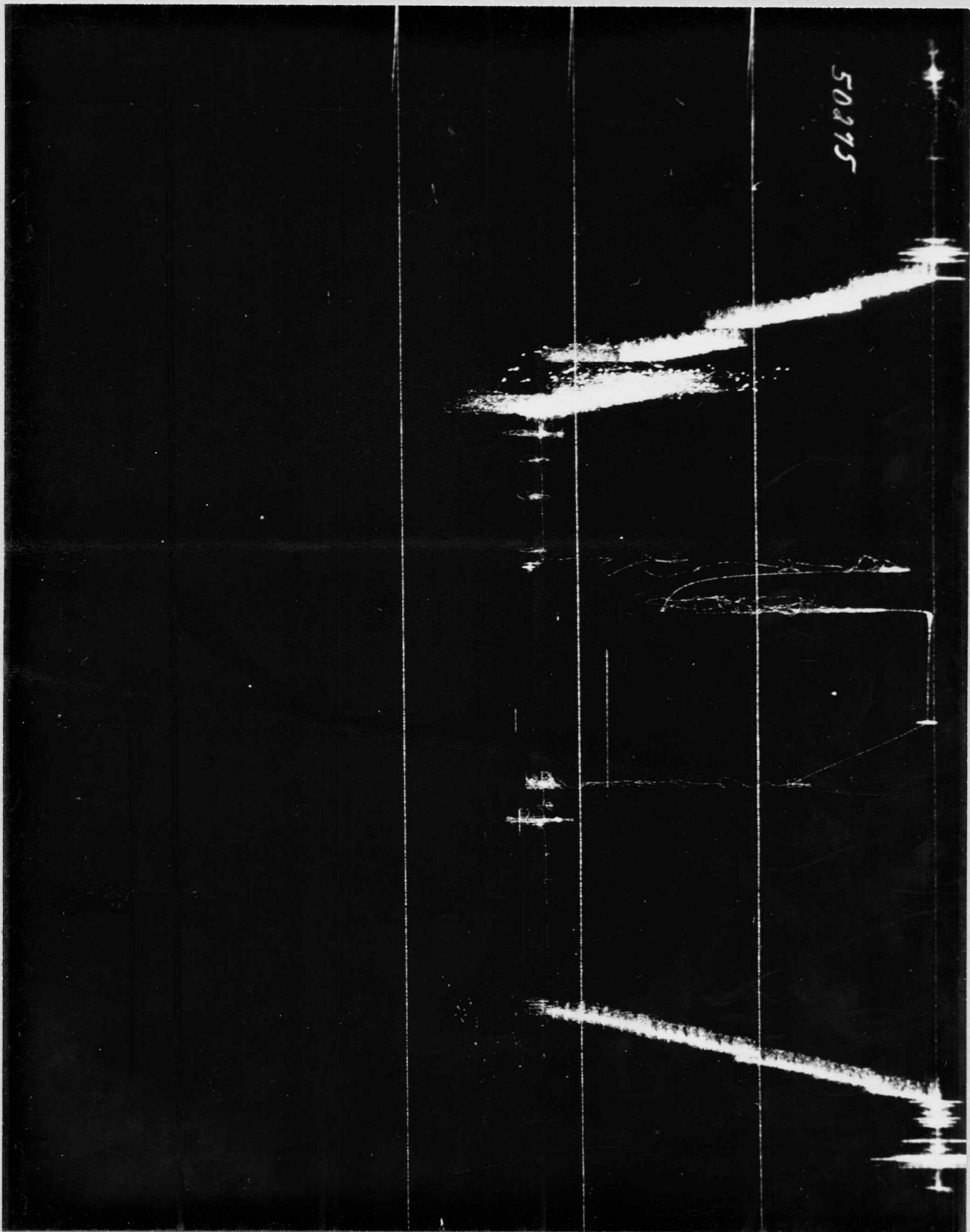


LOCATION	10-30-8	HOLE AND TOOL DATA		Date	3-12-56
FIELD	Splivey	Total Depth	4202'	Ticket No.	50275
COUNTY	Kingman	Top Packer Depth	4170'	HOWCO DISTRICT	Great Bend
STATE	Kansas	Casing or Hole Size	8 5/8"	Kind of Job	Open Hole
CONTRACTOR	Barber Drilg. Co.	Liner or Rathole Size	7 7/8"	Price	\$215.00
	MUD DATA	Formation Tested	Miss.	Second Packer Assembly	MC
Kind	Starch	Size Drill Pipe	4 1/2" API	Safety Joint	
Weight	9.9 lbs.-gal.	Size Drill Collars	5 3/4"	Extra Folder Charge	
Viscosity	45 Sec.	Size Bottom Choke	1"	Extra Folder Charge	
Filter Loss	5. c. c. Filter Cake 2/32 in.	Size Hook Wall Packer	-	Tester	K. M. Oller
Est Gauge Depth Temp.	Calc. 110 F°	Size & Type Wall Packer	6 3/4" E.S.P.	Total	\$215.00
Time Tool Open	1 hour	Size & Length Anchor	3 1/2" x 23' / 9'	Witnessed By	P. L. Miller
Time Closed In.	30 minutes-Initial	PRD Device No.	1980	Blanked Off	yes
Depth BT. Gauge	4173'	REMARKS:	Set packer, opened tool and took a Initial Closed In Pres- sure. Dropped bar, broke disc and received gas to the sur- face in 15 minutes. Recovered 40' of oil and gas cut mud and 60' of muddy water.		
B.T. P.R.D. No.	513				
	12 Hr. Clock No.				
	2595				
Pressure Readings	Field	Office Corrected			
Initial Hydro Mud Pressure	-	2213 p.s.i.			
Initial Flow Pres.	-	103 p.s.i.			
Final Flow Pres.	-	38 p.s.i.			
	-	INITIAL 1533			
	-	FINAL 809			
Closed in Pres.	-				
Final Hydro Mud Pressure	-	2213 p.s.i.			
Amount of Cushion	none	All depths measured from	Kelly Bushing	No. Folders Reproduced	5

PRESSURE

TIME

50275



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

Company GULF OIL CORPORATION

Date 3-12-56

Lease HIGGINS Well No. 1

Ticket No. 50275

Test No. 2

	Time	PSI
Initial Hydro Mud Pressure		2213
Initial Closed In Pressure	30 Mins.	1533
Initial Flow		103
Final Flow	60 Minutes	38
Final Closed In Pressure	30 Mins.	809
Final Hydro Mud Pressure		2213

Total Depth 4202'

Packer Depth 4170'-4179'

BT No. 513 Depth 4173'

12 Hr. Clock No. 2595

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	.087	137	.000	.065	103	.000	.024	38
P1	.015	.603	941	.103	.016	25	.0235	.054	85
P2	.030	.792	1234	.206	.019	30	.047	.100	158
P3	.045	.867	1350	.309	.021	33	.0705	.152	240
P4	.060	.904	1407	.412	.024	38	.094	.200	315
P5	.075	.933	1452				.1175	.258	407
P6	.090	.950	1478				.141	.312	492
P7	.105	.962	1497				.1645	.369	580
P8	.120	.971	1511				.188	.422	662
P9	.135	.978	1522				.2115	.471	738
P10	.150	.985	1533				.235	.517	809
	3	Minute Intervals		15	Minute Intervals		3	Minute Intervals	

Remarks: Time shown is in error.