

PETRO

LEASE NAME

WELL NO. 1

TEST NO. 1

SHALLOW WATER REFINING COMPANY

WICHITA

OWNERS DISTRICT

LOCATION Sec. 3-20-33

FIELD WILDCAT

COUNTY SCOTT

STATE KANSAS



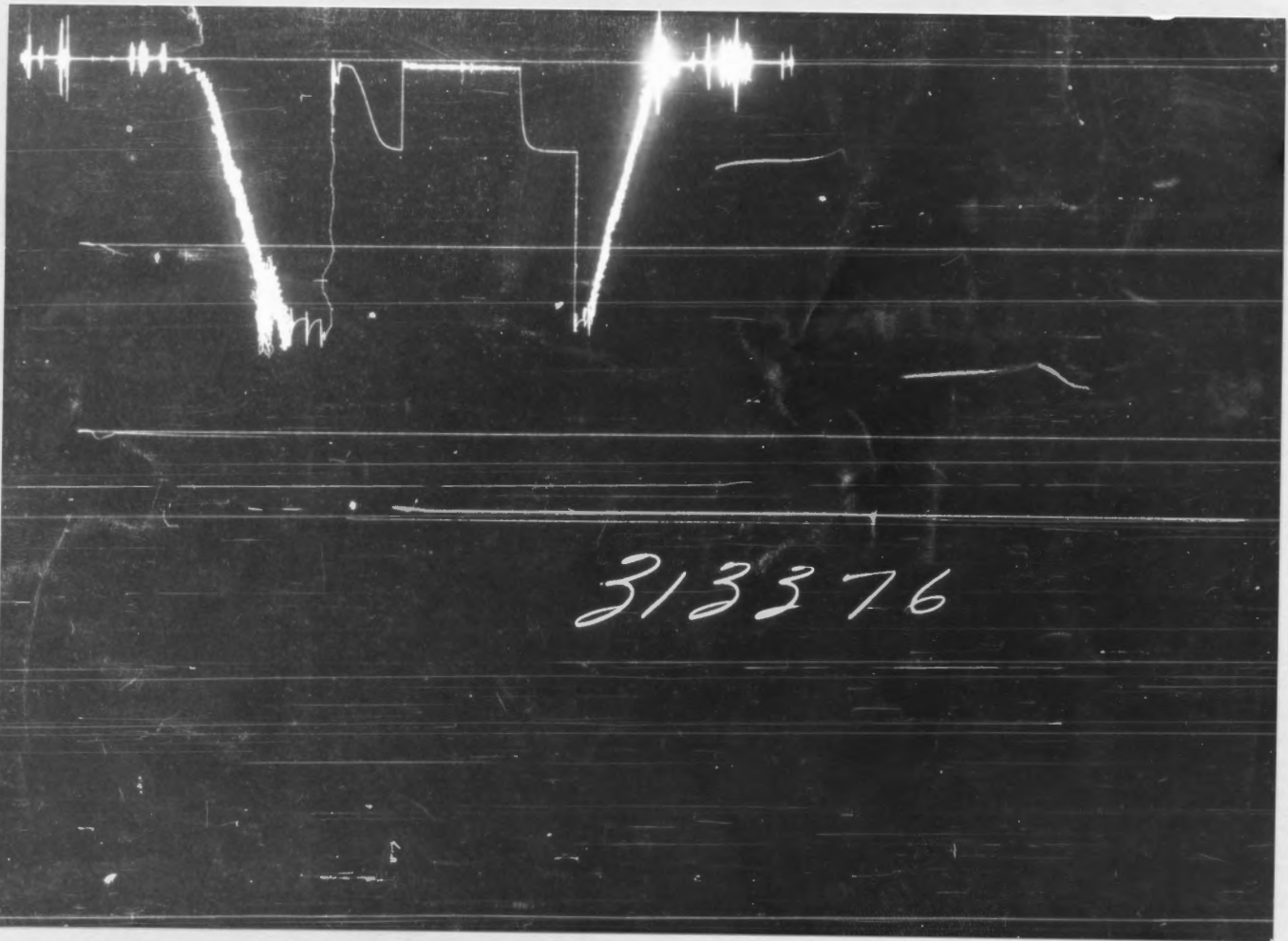
Initial Closed In Time 30 Minutes		Date 6-1-61
Tool Open Flow Period 1st 8 / 2nd 65 Minutes		Ticket No. 313376
Final Closed In Time 30 Minutes		Halliburton District LIBERAL, KANSAS
Depth Top Gauge 2576 Ft.	Blanked Off No	Kind of Job OPEN HOLE
BT. P.R.D. No 228	12 Hr. Clock	CONTRACTOR GAPPIT DRILLING COMPANY
Pressure Readings Field	Office Corrected	HOLE & TOOL DATA
Initial Hydro Mud Pressure	1393	Elevation - Top Packer Depth 2598
Initial Closed in Pres.	479	Total Depth 2642 Bottom Packer Depth 2502
Initial Flow Pres.	22-15	Casing or Hole Size 7 7/8" Size & Type Wall Packer 6 3/4" ESWP
Final Flow Pres.	28-39	Liner or Rathole Size - Size Bottom Choke 5/8"
Final Closed in Pres.	483	Casing Perforations Top Bottom Size Surface Choke 1"
Final Hydro Mud Pressure	1384	Interval Tested 2592-2642 ID & Length Air Chamber DCIP
Depth Center Gauge 2688 Ft.	Blanked Off Yes	Formation Tested Houghton ID & Length Drill Collars 2 1/4-120
BT. P.R.D. No 193	4 Hr. Clock	Est. Gauge Depth Temp. Calc. 100 F° Size Drill Pipe 4 1/2 FH
Pressure Readings Field	Office Corrected	MUD DATA Weight 10.2 Viscosity 75
Initial Hydro Mud Pressure		All depths measured from - No. Folders Reproduced 5
Initial Closed in Pres.		REMARKS: Opened tool at 2:44 a.m. for a 8 min.
Initial Flow Pres.		first flow, fair blow at surface. Closed
Final Flow Pres.		tool 2:52 a.m. for a 30 minute initial closed
Final Closed in Pres.		in pressure. Reopened tool at 3:22 for a 65
Final Hydro Mud Pressure		minute flow. gas to surface in 20 mins, to
Depth Bottom Gauge Ft.	Blanked Off	weak to measure. Closed tool at 4:27 p.m.
BT. P.R.D. No	Hr. Clock	for a 30 minute final closed in pressure.
Pressure Readings Field	Office Corrected	
Initial Hydro Mud Pressure		
Initial Closed in Pres.		Recovered 120 Feet of Gas cut mud.
Initial Flow Pres.		Recovered Feet of
Final Flow Pres.		Recovered Feet of
Final Closed in Pres.		Recovered Feet of
Final Hydro Mud Pressure		Witnessed By Charles Ferguson
Amount-Type of Cushion -		Tester Jack Pitze

COMPANY SHALLOW WATER REFINING COMPANY

Initial Hydro Mud Pressure		Time	PSI	DATE <u>6-1-61</u> TICKET NO. <u>313376</u> LEASE <u>PETRO</u> Well No. <u>1</u> Test No. <u>1</u> BT No. <u>228</u> Depth <u>2576'</u> <u>12</u> Hr. Clock Temp. Corr. <u>C-100</u> ° F
1st	Initial Flow		22	
	Final Flow	8 Mins.	38	
Initial Closed In Pressure		30 Mins.	479	
2nd	Initial Flow		15	
	Final Flow	65 Mins.	39	
Final Closed In Pressure		30 Mins.	483	
Final Hydro Mud Pressure			1384	

	1st Flow Pressure		Initial CIP		2nd Flow Pressure		Final CIP	
	Time	PSI	Time	PSI	Time	PSI	Time	PSI
P0	.000	22	.000	38	.000	15	.000	39
P1	.048	38	.0198	81	.453	39	.0227	393
P2	.		.0396	144	.		.0454	456
P3	.		.0594	226	.		.0681	471
P4	.		.0792	314	.		.0908	476
P5	.		.099	389	.		.1135	481
P6	.		.1188	436	.		.1362	482
P7	.		.1386	461	.		.1589	483
P8	.		.1584	472	.		.1816	483
P9	.		.1782	478	.		.2043	483
P10	.		.198	479	.		.227	483
	Minute Intervals		3	Minute Intervals	Minute Intervals		3	Minute Intervals

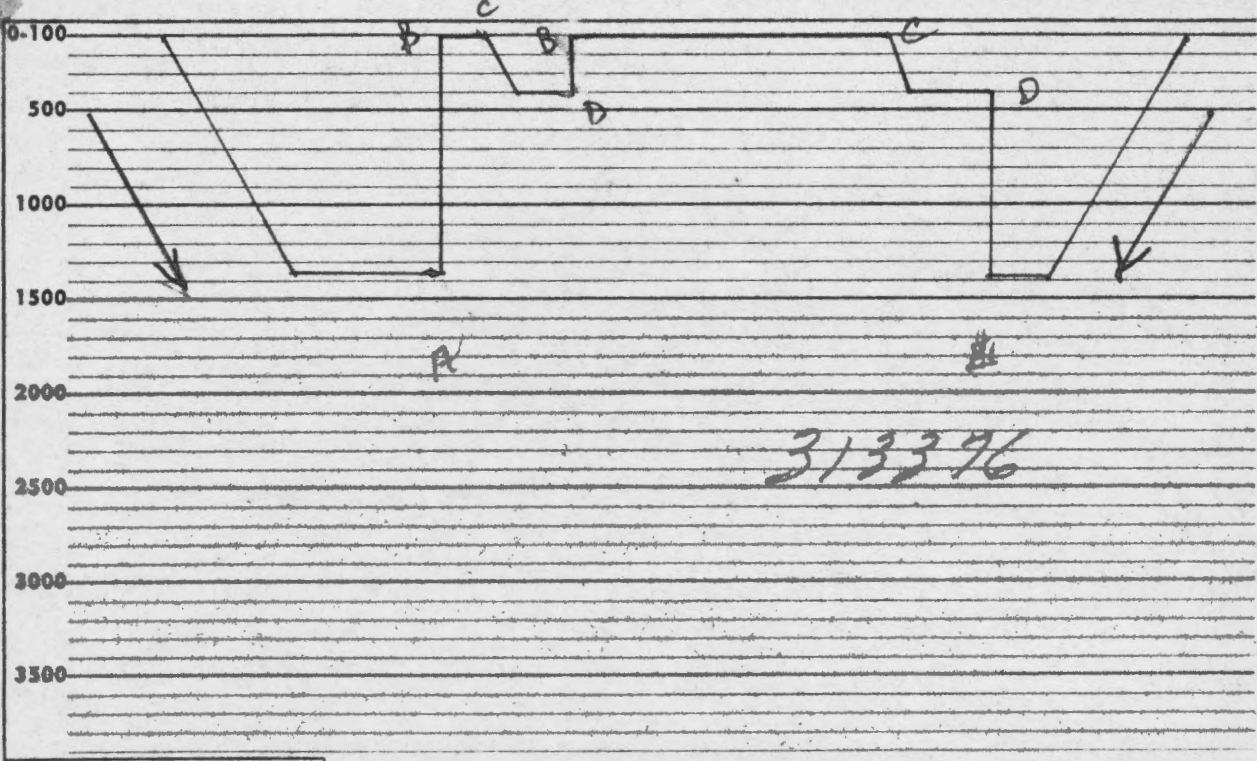
Remarks: _____



313376


← TIME →

↑ PRESSURE ↓



313396

- A—Initial Mud Weight
- B—Initial Flow
- C—Final Flow
- D—Closed In Pressure
- E—Final Mud Weight

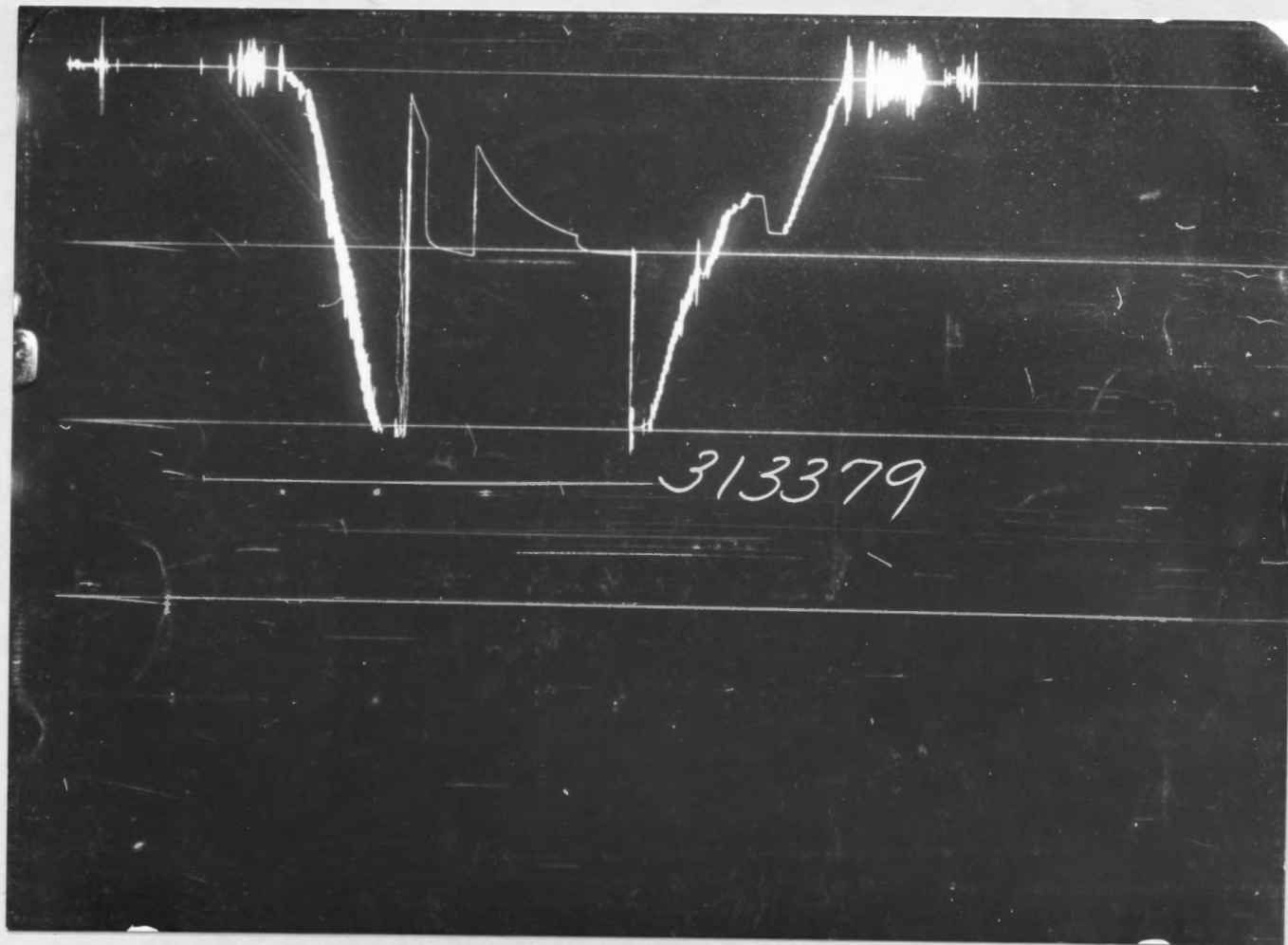
Initial Closed In Time 30 Minutes			Date 6-7-61		
Tool Open Flow Period 1st 10 / 2nd 60 Minutes			Ticket No. 313379		
Final Closed In Time 30 Minutes			Hoffburton District LIBERAL, KANSAS		
Depth Top Gauge 3824 Ft.		Blanked Off No		Kind of Job OPEN HOLE	
BT. P.R.D. No 228		12 Hr. Clock		CONTRACTOR CAPITT DRILLING COMPANY	
Pressure Readings Field		Office Corrected		HOLE & TOOL DATA	
Initial Hydro Mud Pressure 2020		2004		Elevation 2964 G.L. Top Packer Depth 3836	
Initial Closed in Pres. 1025		1038		Total Depth 4015 Bottom Packer Depth 3840	
Initial Flow Pres. 112		132-422		Casing or Hole Size 7 7/8" Size & Type Well Packer 6 3/4" ESWB	
Final Flow Pres. 885		388-916		Liner or Rathole Size Size Bottom Choke 5/8"	
Final Closed in Pres. 1010		1013		Casing Perforations Top Bottom Size Surface Choke 1" + 1/4	
Final Hydro Mud Pressure 1965		1983		Interval Tested 3840-4015' ID & Length Air Chamber Dual CIP valve	
Depth Center Gauge Ft.		Blanked Off		Formation Tested Lansing ID & Length Drill Collars 2 1/4 -270'	
BT. P.R.D. No		Hr. Clock		Est. Gauge Depth Temp. C-110 F Size Drill Pipe 4 1/2 F.H	
Pressure Readings Field		Office Corrected		MUD DATA Weight 9.8 Viscosity 37	
Initial Hydro Mud Pressure				All depths measured from 2969 Rotary Kelly bushings No. Folders Produced 5	
Initial Closed in Pres.				REMARKS: Tool opened for a 10 minute first flow	
Initial Flow Pres.				Rotated tool at 7:59 p.m. for a 30 minute	
Final Flow Pres.				initial closed in pressure. Reopened tool at	
Final Closed in Pres.				8:29 for a 60 minute final flow. Fair blow	
Final Hydro Mud Pressure				at surface decreasing in 40 minutes, and	
Depth Bottom Gauge 4011 Ft.		Blanked Off Yes		died in 48 mins. Closed tool at 9:29 p.m.	
BT. P.R.D. No 193		4 Hr. Clock		for a 30 minute final closed in pressure.	
Pressure Readings Field		Office Corrected			
Initial Hydro Mud Pressure					
Initial Closed in Pres.				Recovered 2300 Feet of Salt water	
Initial Flow Pres.				Recovered Feet of	
Final Flow Pres.				Recovered Feet of	
Final Closed in Pres.				Recovered Feet of	
Final Hydro Mud Pressure				Witnessed By Carlos M. Ferguson	
Amount-Type of Cushion None				Tester Jack A. Pitzer	

LOCATION SEC. 3-20-S-33-W
 PETRO
 LEASE NAME
 WELL NO. 1
 TEST NO. 2
 SHALLOW WATER REFINING CO.
 LEASE OWNER
 COUNTY SCOTT
 STATE KANSAS
 W. CHITLA KANSAS
 OWNERS DISTRICT

Initial Hydro Mud Pressure		Time	PSI	DATE <u>6-7-61</u> TICKET NO. <u>313379</u> LEASE <u>PETRO</u> Well No. <u>1</u> Test No. <u>2</u> BT No. <u>228</u> Depth <u>3824'</u> <u>12</u> Hr. Clock Temp. Corr. <u>0-110</u> ° F
1st	Initial Flow		132	
	Final Flow	10 mins.	388	
Initial Closed In Pressure		30 mins.	1038	
2nd	Initial Flow		422	
	Final Flow	60 mins.	916	
Final Closed In Pressure		30 mins.	1013	
Final Hydro Mud Pressure			1783	

	1st Flow Pressure		Initial CIP		2nd Flow Pressure		Final CIP	
	Time	PSI	Time	PSI	Time	PSI	Time	PSI
P0	.000	132	.000	388	.000	422	.000	916
P1	.0072	169	.020	465	.1052	636	.0231	986
P2	.0144	190	.040	488	.2104	777	.0462	996
P3	.0216	217	.060	1000	.3156	860	.0693	1001
P4	.0288	242	.080	1007	.4208	916	.0924	1004
P5	.0360	269	.100	1011	.		.1155	1007
P6	.0432	293	.120	1018	.		.1386	1010
P7	.0504	314	.140	1024	.		.1617	1010
P8	.0576	336	.160	1029	.		.1848	1011
P9	.0648	361	.180	1033	.		.2079	1013
P10	.0720	388	.200	1038	.		.2310	1013
	1	Minute Intervals	3	Minute Intervals	15	Minute Intervals	3	Minute Intervals

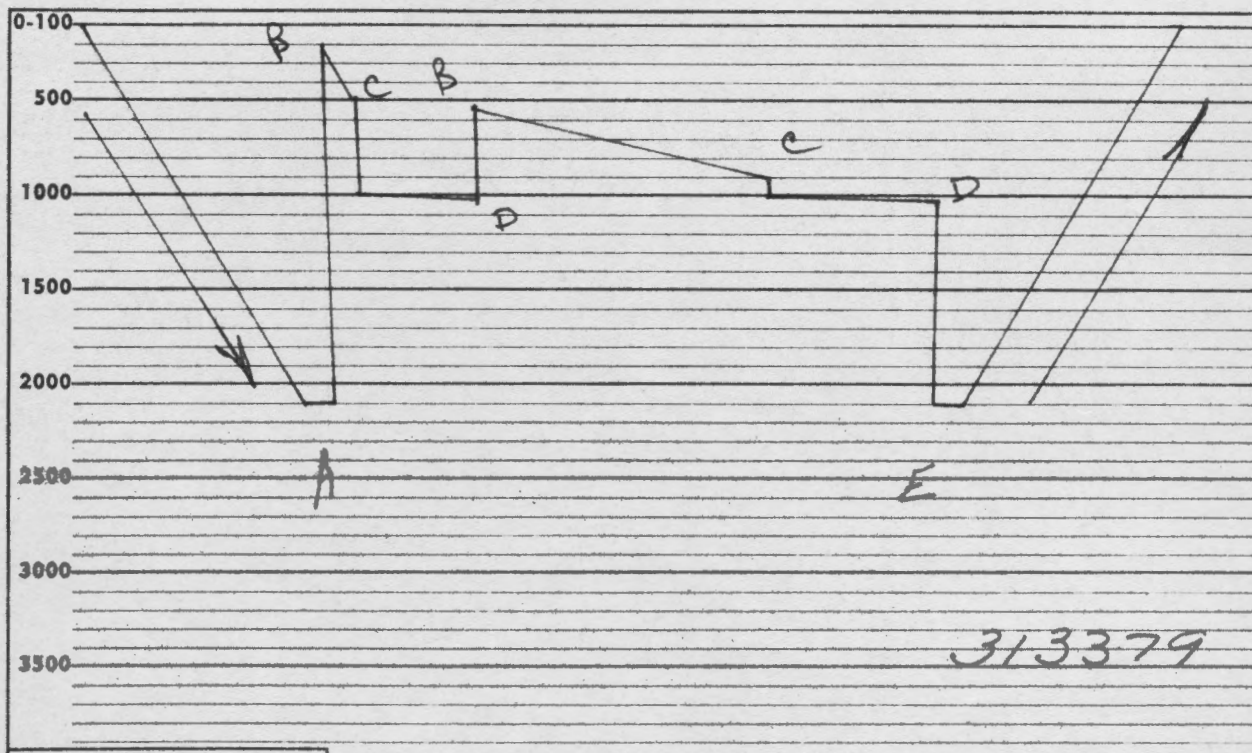
Remarks: _____



PRESSURE

PRESSURE

← TIME →



- A—Initial Mud Weight
- B—Initial Flow
- C—Final Flow
- D—Closed In Pressure
- E—Final Mud Weight

PERU LEASE NAME
 WELL NO. 1
 TEST NO. 3
 SHALLOW WATER REFINING COMPANY
 LEASE OWNER
 WICHITA, KANSAS
 OWNERS DISTRICT

LOCATION SEC. 3-20-33
 FIELD WILD CAT
 COUNTY SCOTT
 STATE KANSAS

Date 6-8-61
 Ticket No. 313380
 Holliburton District LIBERAL, KANSAS
 Kind of Job OPEN HOLE



Initial Closed In Time	30	Minutes
Tool Open Flow Period	1st 30 / 2nd 60	Minutes
Final Closed In Time	30	Minutes
Depth Top Gauge	4114 Ft.	Blanked Off No
BT. P.R.D. No	228	12 Hr. Clock
Pressure Readings	Field	Office Corrected
Initial Hydro Mud Pressure	2130	2107
Initial Closed in Pres.	1160	1154
Initial Flow Pres.	30	18-188
Final Flow Pres.	360	171-378
Final Closed in Pres.	1135	1153
Final Hydro Mud Pressure	2075	2101
Depth Center Gauge	Ft.	Blanked Off
BT. P.R.D. No		Hr. Clock
Pressure Readings	Field	Office Corrected
Initial Hydro Mud Pressure		
Initial Closed in Pres.		
Initial Flow Pres.		
Final Flow Pres.		
Final Closed in Pres.		
Final Hydro Mud Pressure		
Depth Bottom Gauge	4126 Ft.	Blanked Off Yes
BT. P.R.D. No	193	4 Hr. Clock
Pressure Readings	Field	Office Corrected
Initial Hydro Mud Pressure		
Initial Closed in Pres.		
Initial Flow Pres.		
Final Flow Pres.		
Final Closed in Pres.		
Final Hydro Mud Pressure		
Amount-Type of Cushion	None	

CONTRACTOR CAPITT DRILLING COMPANY

HOLE & TOOL DATA

Elevation G.L. 2964 Top Packer Depth 4126

Total Depth 4130 Bottom Packer Depth 4130

Casing or Hole Size 7 7/8" Size & Type Well Packer 6 3/4 ESWP

Liner or Rethole Size --- Size Bottom Choke 5/8"

Casing Perforations || Top --- Size Surface Choke 1" || Bottom ---

Interval Tested 4100-4130' ID & Length Air Chamber Dual cip valve

Formation Tested Lansing ID & Length Drill Collars 2 1/4-270'

Est. Gauge Depth Temp. C-110 F. Size Drill Pipe 4 1/2 F.H

MUD DATA Weight 9.8 Viscosity 40

All depths measured from Bushing Rotary Kelly 2969 No. Folders Reproduced 5

REMARKS: Tool opened at 10:10p.m. for a 30 minute first flow. Fair blow at surface, closed tool at 10:40 p.m. for a 30 minute initial closed in pressure. Reopened tool at 11:10 p.m. for a 60 minute flow, fair blow throughout test. Closed tool at 12:10 a.m. for a 30 minute final closed in pressure.

Recovered 800 Feet of Salty water

Recovered Feet of

Recovered Feet of

Recovered Feet of

Witnessed By Carlos M. Ferguson

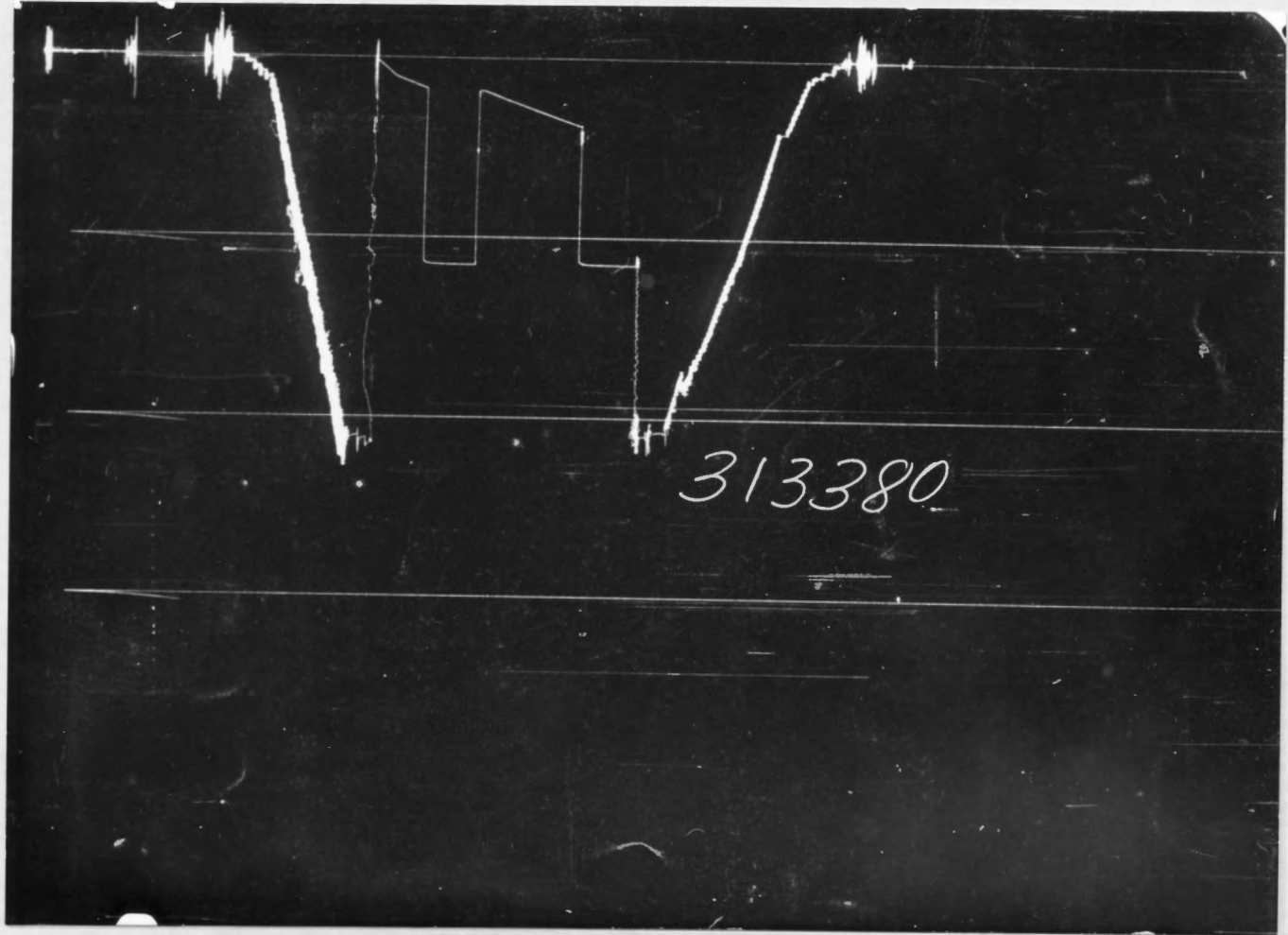
Tester Jack A. Pitzer

COMPANY SHALLOW WATER REFINING COMPANY

Initial Hydro Mud Pressure		Time	PSI	DATE <u>6-8-61</u> TICKET NO. <u>313380</u> LEASE <u>PETRO</u> Well No. <u>1</u> Test No. <u>3</u> BT No. <u>228</u> Depth <u>4114'</u> 12 Hr. Clock Temp. Corr. <u>C-110</u> ° F
1st	Initial Flow		2107	
	Final Flow	30 mins.	171	
Initial Closed In Pressure		30 mins.	1154	
2nd	Initial Flow		188	
	Final Flow	60 mins.	378	
Final Closed In Pressure		30 mins.	1153	
Final Hydro Mud Pressure			2101	

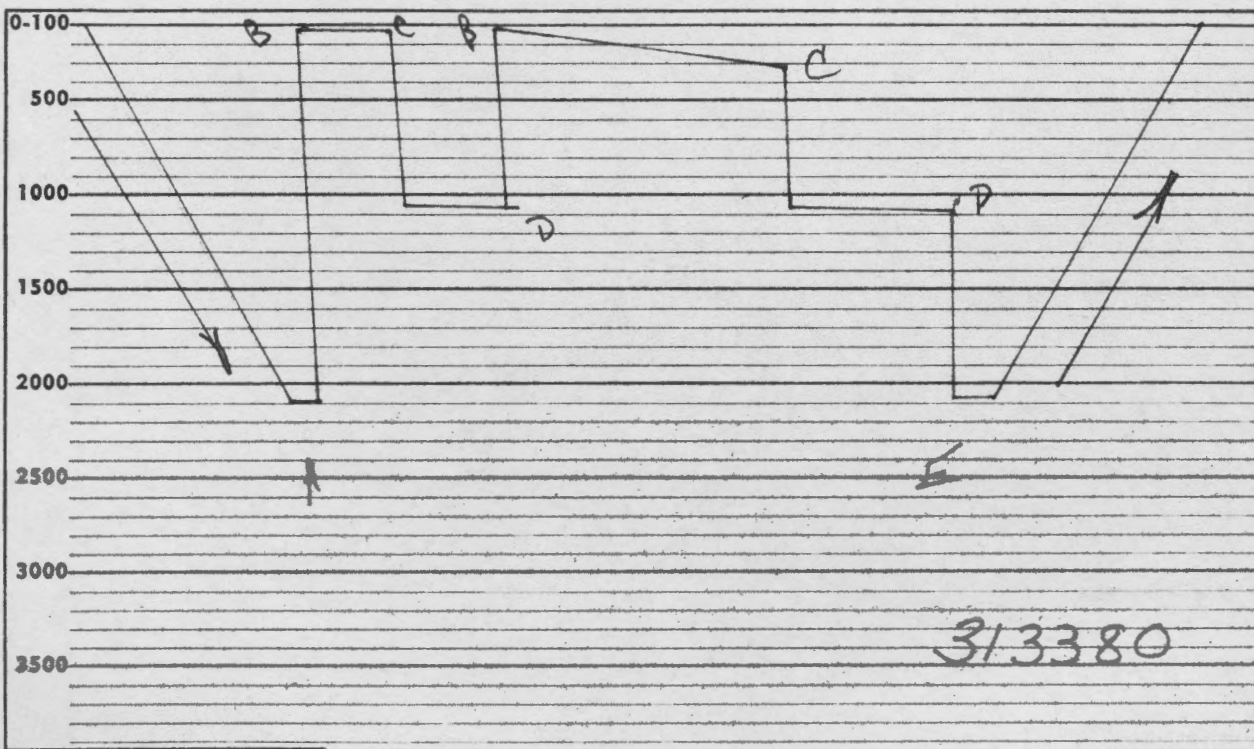
	1st Flow Pressure		Initial CIP		2nd Flow Pressure		Final CIP	
	Time	PSI	Time	PSI	Time	PSI	Time	PSI
P0	.000	18	.000	171	.000	188	.000	378
P1	.0209	35	.0209	1149	.1045	228	.0233	1147
P2	.0418	60	.0418	1153	.2090	279	.0466	1151
P3	.0627	85	.0627	1154	.3135	331	.0699	1151
P4	.0836	107	.0836	1154	.4180	378	.0932	1151
P5	.1045	118	.1045	1154	.		.1165	1153
P6	.1254	129	.1254	1154	.		.1398	1153
P7	.1463	140	.1463	1154	.		.1631	1153
P8	.1672	151	.1672	1154	.		.1864	1153
P9	.1881	163	.1881	1154	.		.2097	1153
P10	.2090	171	.2090	1154	.		.2330	1153
	1	Minute Intervals	3	Minute Intervals	15	Minute Intervals	3	Minute Intervals

Remarks: _____




PRESSURE

← TIME →



- A—Initial Mud Weight
- B—Initial Flow
- C—Final Flow
- D—Closed In Pressure
- E—Final Mud Weight

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

Initial Closed In Time 31 Minutes			Date 6-13-61
Tool Open Flow Period 1st 30 / 2nd 60 Minutes			Ticket No. 313382
Final Closed In Time 30 Minutes			Halliburton District LIBERAL
Depth Top Gauge 4538' Ft.	Blanked Off NO	Kind of Job OPEN HOLE	
BT P.R.D. No 228	12 Hr. Clock	CONTRACTOR CAPITT DRILLING COMPANY	
Pressure Readings Field	Office Corrected	HOLE & TOOL DATA	
Initial Hydro Mud Pressure	2273	Elevation 2964' G.L.	Top Packer Depth 4550'
Initial Closed in Pres.	1767	Total Depth 4599'	Bottom Packer Depth 4554'
Initial Flow Pres.	207-294	Casing or Hole Size 7 7/8"	Size & Type Wall Packer 6 3/4" ESWP
Final Flow Pres.	267-328	Liner or Rathole Size -	Size Bottom Choke 5/8"
Final Closed in Pres.	1588	Casing Perforations Top Bottom	Size Surface Choke 1" & 1/4"
Final Hydro Mud Pressure	2247	Interval Tested 4554' - 4599'	ID & Length Air Chamber D.C.I.P.
Depth Center Gauge Ft.	Blanked Off	Formation Tested ATOKA	ID & Length Drill Collars 2 1/4" - 270'
BT P.R.D. No	Hr. Clock	Est. Gauge Depth Temp. CALC. 110 F.	Size Drill Pipe 4 1/2" F.H.
Pressure Readings Field	Office Corrected	MUD DATA Weight 9.6	Viscosity 40
Initial Hydro Mud Pressure		All depths measured from ROTARY KELLY BUSHING No. Folders Reproduced 5	
Initial Closed in Pres.		2969'	
Initial Flow Pres.		REMARKS: Tool opened @ 10:17 PM with a fair	
Final Flow Pres.		blow at the surface for 30 minutes. Closed	
Final Closed in Pres.		tool @ 10:47 PM. Rotated tool for a 31 minute	
Final Hydro Mud Pressure		initial closed in pressure. Tool re-opened	
Depth Bottom Gauge 4595' Ft.	Blanked Off YES	@ 11:18 PM with a weak blow @ the surface in	
BT P.R.D. No 193	4 Hr. Clock	40 minutes, decreasing to a very weak blow in	
Pressure Readings Field	Office Corrected	60 minutes. Closed tool @ 12:18 PM. Took a	
Initial Hydro Mud Pressure		30 minute final closed in pressure.	
Initial Closed in Pres.		Recovered 434' Feet of salty drilling mud	
Initial Flow Pres.		Recovered 372' Feet of salt water	
Final Flow Pres.		Recovered Feet of	
Final Closed in Pres.		Recovered Feet of	
Final Hydro Mud Pressure		Witnessed By CARLOS FERGUSON	
Amount-Type of Cushion NONE		Tester JACK PITZER	

LOCATION SEC. 3 - 20S - 33W FIELD WILDCAT COUNTY SCOTT STATE KANSAS

LEASE NAME PETRO
WELL NO. 1
TEST NO. 4
LEASE OWNER SHALLOW WATER REFINING
OWNERS DISTRICT WICHITA, KANSAS

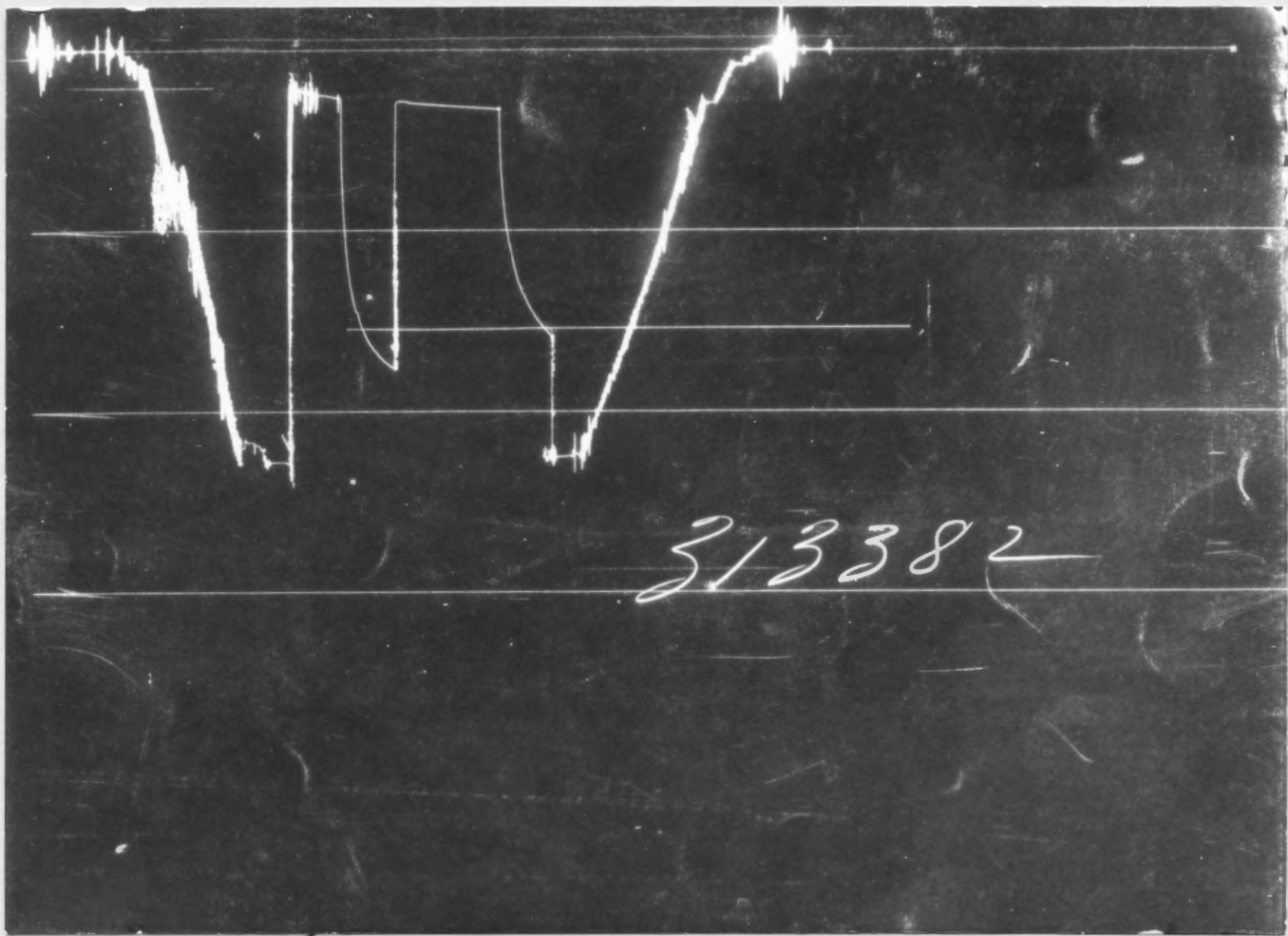
COMPANY _____

SHALLOW WATER REFINING

Initial Hydro Mud Pressure		Time	PSI	DATE <u>6-13-61</u> TICKET NO. <u>313382</u> LEASE <u>PETRO</u> Well No. <u>1</u> Test No. <u>4</u> BT No. <u>228</u> Depth <u>4538'</u> <u>12</u> Hr. Clock <u>-</u> Temp. Corr. <u>CALC. 110</u> ° F
1st	Initial Flow		2273	
	Final Flow	30 Min.	207	
Initial Closed In Pressure		31 Min.	267	
2nd	Initial Flow		1767	
	Final Flow	60 Min.	294	
Final Closed In Pressure		30 Min.	328	
Final Hydro Mud Pressure			1588	
			2247	

	1st Flow Pressure		Initial CIP		2nd Flow Pressure		Final CIP	
	Time	PSI	Time	PSI	Time	PSI	Time	PSI
P0	.000	207*	.000	267	.000	294	.000	328
P1	.200	267	.022	1096	.1045	300	.0215	872
P2	.		.044	1338	.2090	311	.0430	1079
P3	.		.066	1451	.3135	319	.0645	1214
P4	.		.088	1547	.418	328	.0860	1310
P5	.		.110	1611	.		.1075	1378
P6	.		.132	1658	.		.1290	1436
P7	.		.154	1696	.		.1505	1486
P8	.		.176	1726	.		.1720	1525
P9	.		.198	1751	.		.1935	1558
P10	.		.220	1767	.		.215	1588
		Minute Intervals	3.1	Minute Intervals	15	Minute Intervals	3	Minute Intervals

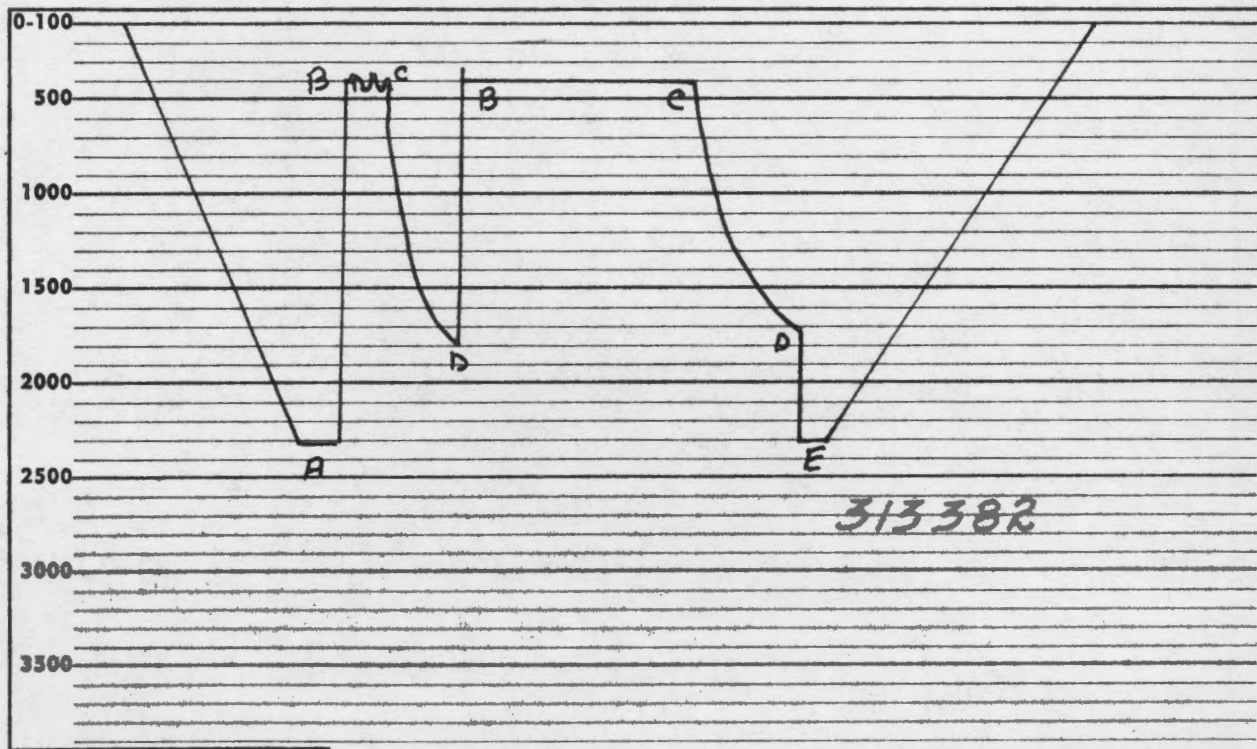
Remarks: * QUESTIONABLE.



313382

↑
PRESSURE
↓

← TIME →



313382

- A—Initial Mud Weight
- B—Initial Flow
- C—Final Flow
- D—Closed In Pressure
- E—Final Mud Weight