
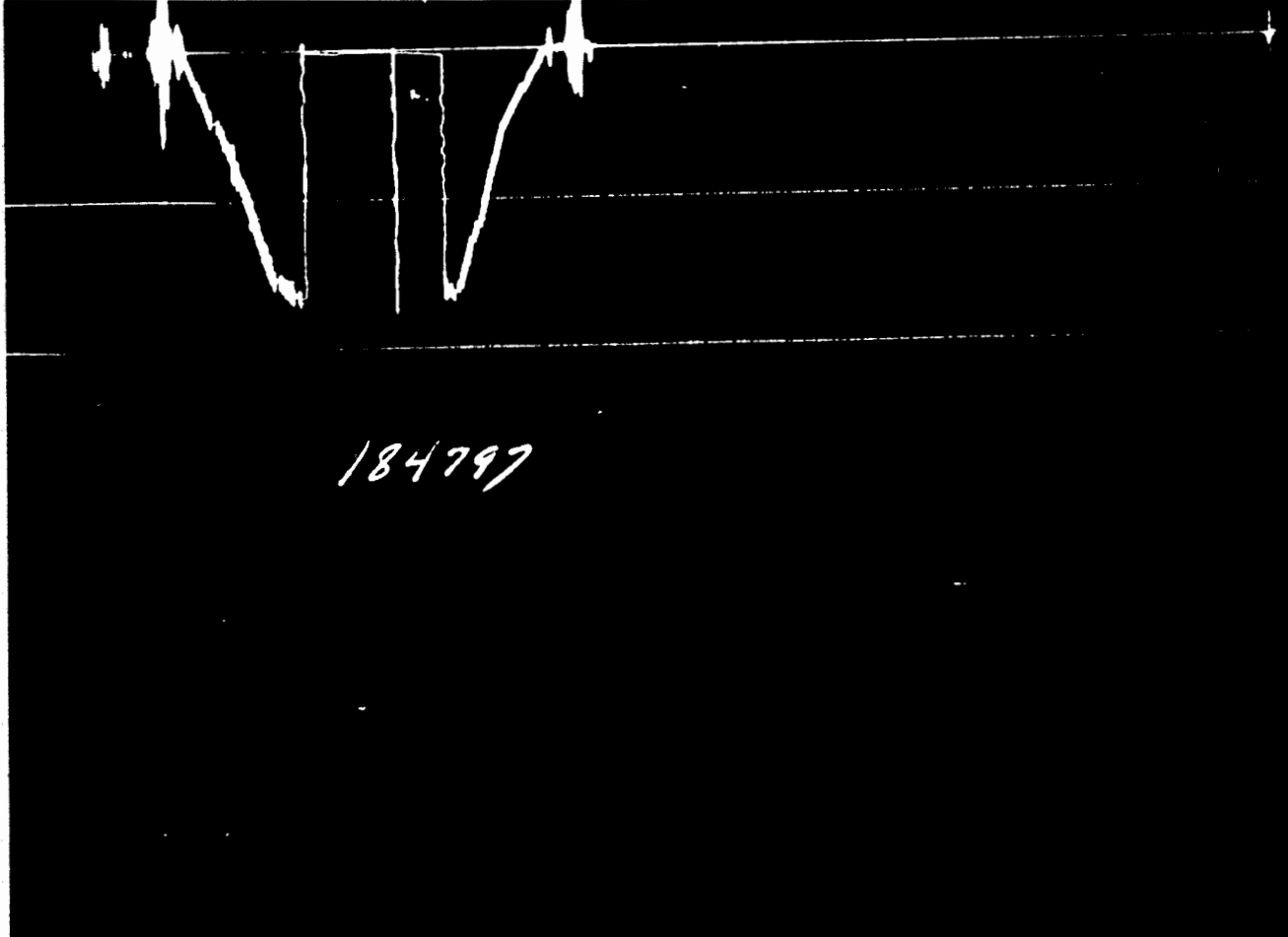


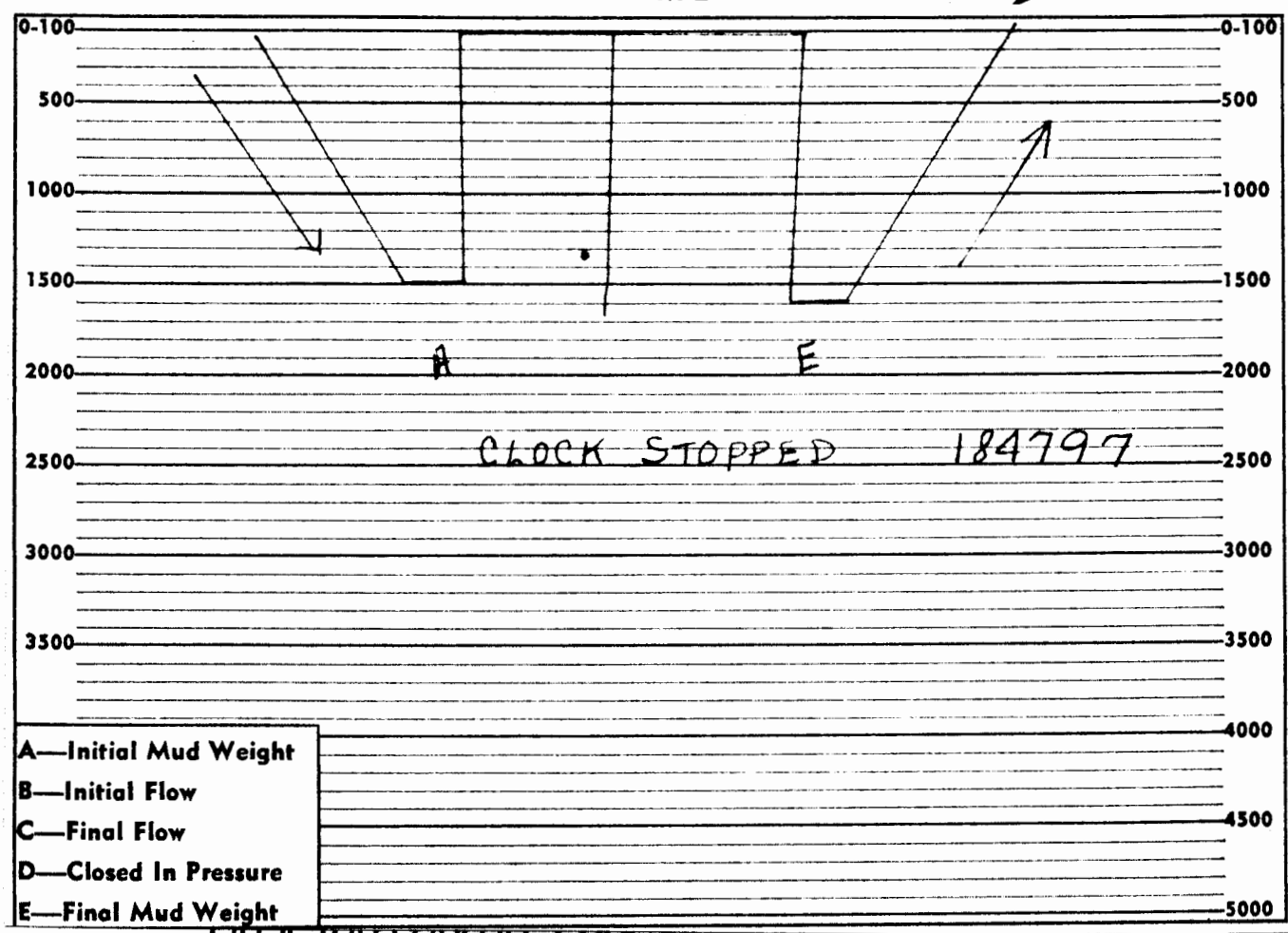
Initial Closed In Time	20	Minutes		Date	6-30-58	
Tool Open Flow Period	35	Minutes		Ticket No.	184797	
Final Closed In Time	20	Minutes		HOWCO DISTRICT	Russell	
Depth Top Gauge	3012'	Ft.	Blanked Off	No	Kind of Job	Open Hole Test
BT. P.R.D. No	294		12	Hr. Clock	CONTRACTOR	Lewis Drilling Company
Pressure Readings	Field		Office Corrected		HOLE & TOOL DATA	
Initial Hydro Mud Pressure			1675		Elevation	1798' D. F. Top Packer Depth -
Initial Closed in Pres.			21		Total Depth	3028' Bottom Packer Depth 3009'
Initial Flow Pres.			21		Casing or Hole Size	7 7/8" Size & Type Wall Packer 6 3/4" ESWP
Final Flow Pres.			21		Liner or Rathole Size	7 7/8" Size Bottom Choke 5/8"
Final Closed in Pres.			40		Casing Perforations	Top Bottom Size Surface Choke 1/2"
Final Hydro Mud Pressure			1647		Interval Tested	3009' to 3028' ID & Length Air Chamber -
Depth Center Gauge	3028'	Ft.	Blanked Off	Yes	Formation Tested	Kansas City ID & Length Drill Collars -
BT. P.R.D. No				Hr. Clock	Est. Gauge Depth Temp.	100 F. Size Drill Pipe 4 1/2" API FH
Pressure Readings	Field		Office Corrected		MUD DATA Weight	10.3 Viscosity 44
Initial Hydro Mud Pressure					All depths measured from	Kelly Bushing No. Folders Reproduced 5
Initial Closed in Pres.					REMARKS: Interval tested from 3009' to 3028'	
Initial Flow Pres.					in the Kansas City. Tool opened @ 2:40 for	
Final Flow Pres.					I.C.I.P. dropped bar @ 3:00 A. M. with a	
Final Closed in Pres.					weak blow and died in 8 minutes, closed in	
Final Hydro Mud Pressure					pressure taken @ 3:35 A. M., and started off	
Depth Bottom Gauge		Ft.	Blanked Off		bottom @ 3:55 A. M.	
BT. P.R.D. No				Hr. Clock	(No special readings taken due to	
Pressure Readings	Field		Office Corrected		insufficient pressures.)	
Initial Hydro Mud Pressure					Recovered	15' Feet of Rotary mud with spots
Initial Closed in Pres.					Recovered	Feet of oil
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	Mr. Geo. Wait
Amount-Type of Cushion			none		Tester	E. B. Cullum

LOCATION SEC: 19-12-14 FIELD Wildcat COUNTY Russell STATE Kansas  
 LEASE NAME TEST NO. 1 TEST NO. 1 LEASE OWNER SOLAR OIL COMPANY OWNERS DISTRICT WICHITA



PRESSURE

← TIME →

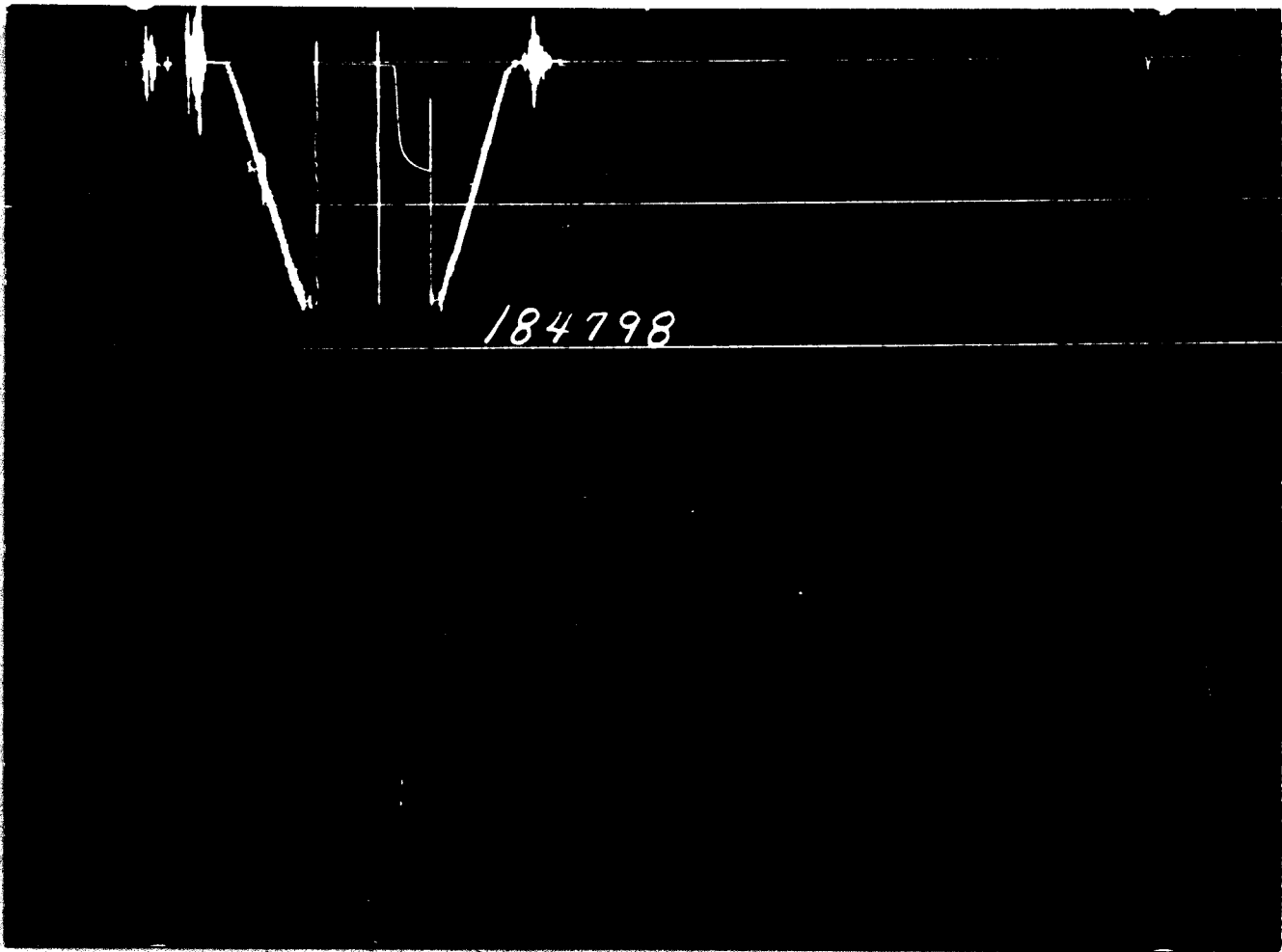


EACH HORIZONTAL LINE EQUALS 1000 p.s.i.



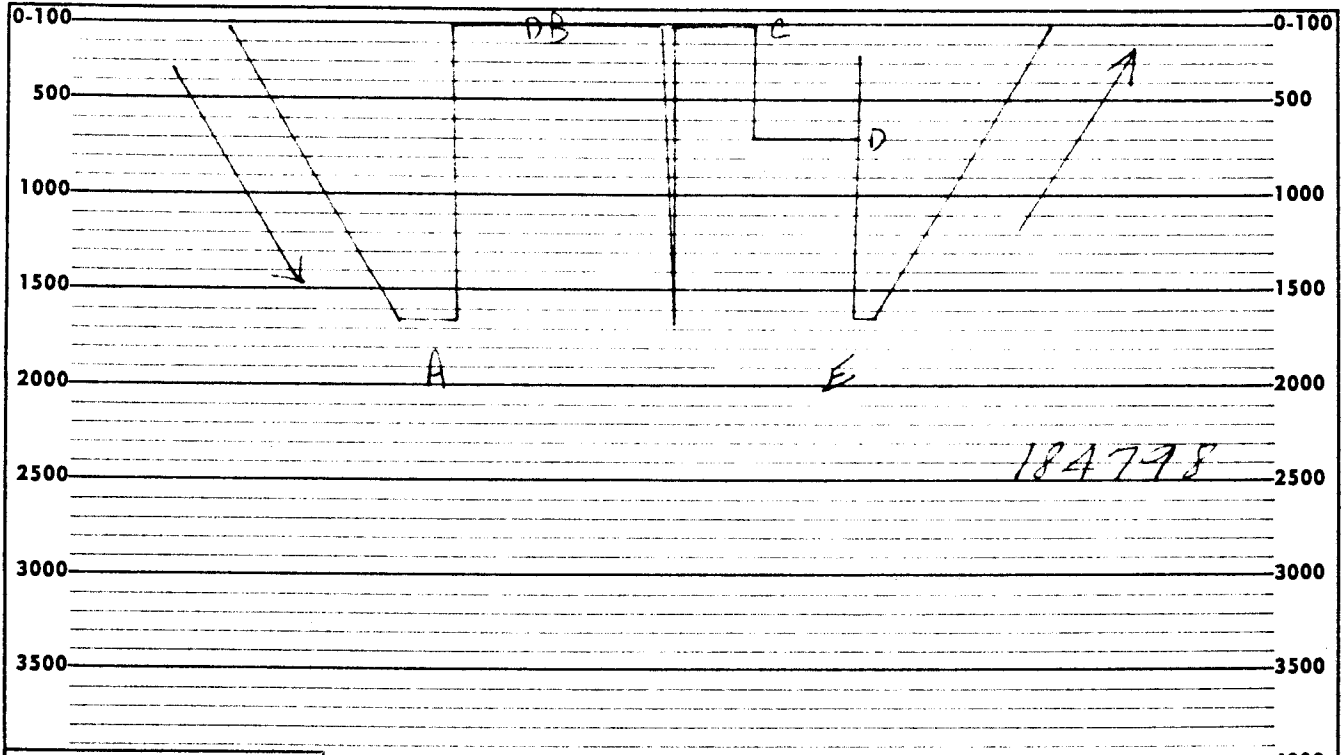
Initial Closed In Time	20	Minutes		Date	7-1-58	
Tool Open Flow Period	25	Minutes		Ticket No.	184798	
Final Closed In Time	20	Minutes		HOWCO DISTRICT	Russell	
Depth Top Gauge	3064	Ft.	Blanked Off	No	Kind of Job	Open Hole
BT. P.R.D. No	294		12	Hr. Clock	CONTRACTOR	Lewis Drilling Company
Pressure Readings	Field		Office Corrected		HOLE & TOOL DATA	
Initial Hydro Mud Pressure	1760		1684		Elevation	1798'
Initial Closed in Pres.	0		16		Top Packer Depth	3061'
Initial Flow Pres.	0		16		Total Depth	3080'
Final Flow Pres.	0		25		Bottom Packer Depth	-
Final Closed in Pres.	795		766		Casing or Hole Size	7 7/8"
Final Hydro Mud Pressure	1760		1675		Size & Type Wall Packer	6 3/4" SEWP
Depth Center Gauge	3076	Ft.	Blanked Off	Yes	Liner or Rathole Size	7 7/8"
BT. P.R.D. No	1890		-	Hr. Clock	Size Bottom Choke	5/8"
Pressure Readings	Field		Office Corrected		Casing Perforations	Top Bottom
Initial Hydro Mud Pressure					Size Surface Choke	1/4"
Initial Closed in Pres.					Interval Tested	3061-3080'
Initial Flow Pres.					ID & Length Air Chamber	4 1/2" x 12'
Final Flow Pres.					Formation Tested	Kansas City
Final Closed in Pres.					ID & Length Drill Collars	-
Final Hydro Mud Pressure					Est. Gauge Depth Temp.	Calc. 100 F°
Depth Bottom Gauge		Ft.	Blanked Off		MUD DATA Weight	10.3
BT. P.R.D. No					Viscosity	111
Pressure Readings	Field		Office Corrected		All depths measured from	Derrick Floor
Initial Hydro Mud Pressure					No. Folders Reproduced	5
Initial Closed in Pres.					REMARKS: Set packer, opened tool 4:12 AM and	
Initial Flow Pres.					took a 20 minute Initial Closed in Pressure.	
Final Flow Pres.					Tool opened 4:32 AM with no blow. Closed	
Final Closed in Pres.					tool 4:57 AM and took a 20 minute Final	
Final Hydro Mud Pressure					Closed in Pressure.	
Depth Bottom Gauge		Ft.	Blanked Off			
BT. P.R.D. No				Hr. Clock		
Pressure Readings	Field		Office Corrected			
Initial Hydro Mud Pressure						
Initial Closed in Pres.					Recovered	20 Feet of Rotary 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	George Waite
Amount-Type of Cushion					Tester	E. B. Cullum

LEASE NAME SMITH  
 WELL NO. 1  
 TEST NO. 2  
 LEASE OWNER SOLAR OIL COMPANY  
 OWNERS DISTRICT WICHITA, KANSAS  
 LOCATION 19-12-11  
 FIELD WILDCAT  
 COUNTY RUSSELL  
 STATE KANSAS



PRESSURE

← TIME →



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

	4000
	4500
	5000

Lease **SMITH**

Well No. **1**

Test No. **2**


Ticket No. **184798**

	Time	PSI
Initial Hydro Mud Pressure		1684
Initial Closed In Pressure	20 Minutes	16
Initial Flow		16
Final Flow	25 Minutes	25
Final Closed In Pressure	20 Minutes	766
Final Hydro Mud Pressure		1675

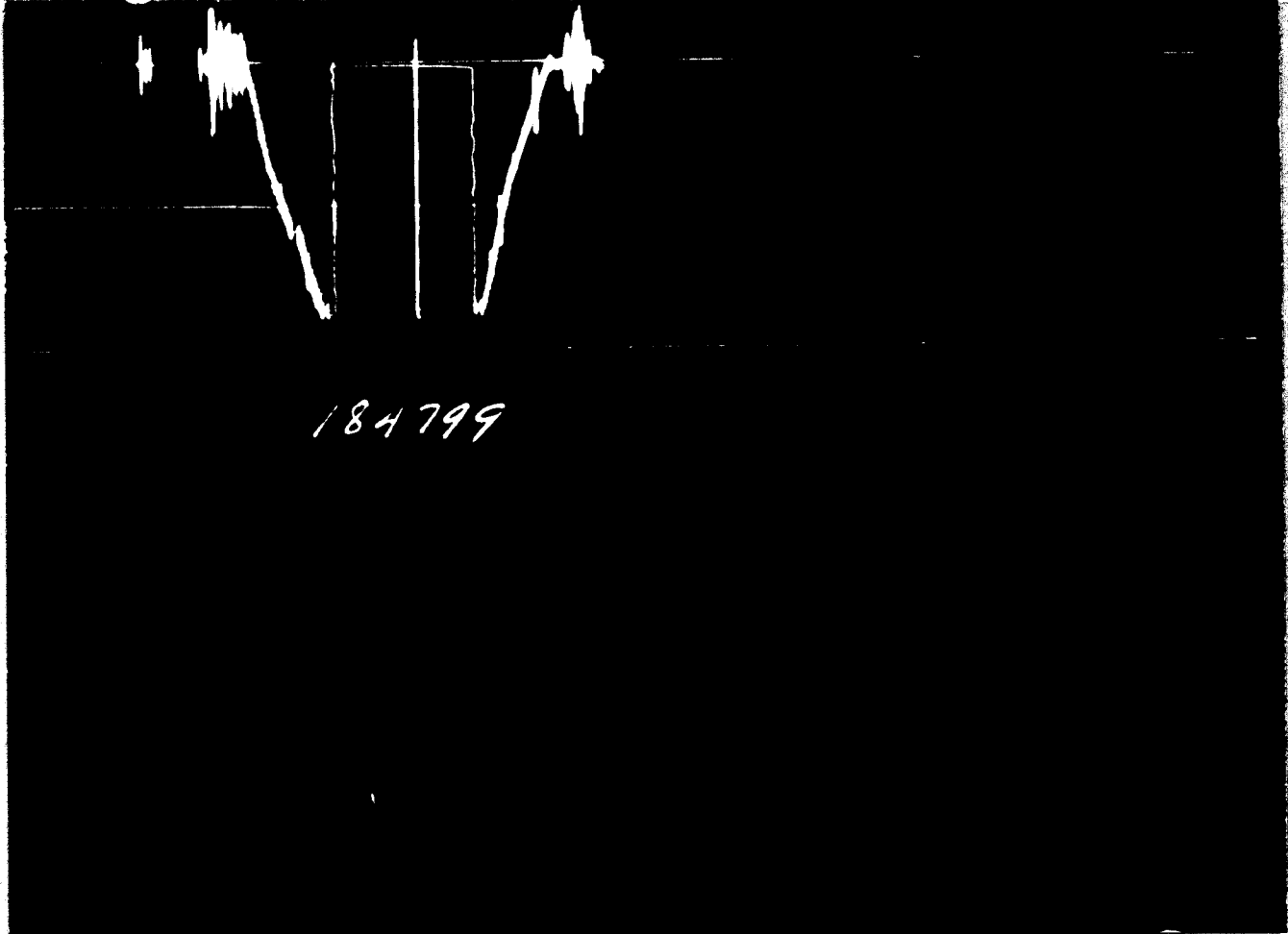
Total Depth **3080'**  
 Packer Depth **3061'**  
 BT No. **294** Depth **3064'**  
 12 Hr. Clock No. **1735**  
 Temperature Corrected to **Calc. 100** °F

	Initial CIP		Flow Pressure		Final CIP	
	Time Defl. .000"	PSI Temp. Corr.	Time Defl. .000"	PSI Temp. Corr.	Time Defl. .000"	PSI Temp. Corr.
P0					.000	25
P1					.0145	321
P2					.029	587
P3					.0435	661
P4					.058	693
P5					.0725	712
P6					.087	730
P7					.1015	743
P8					.116	752
P9					.1305	761
P10					.145	766
	Minute Intervals		Minute Intervals		2	Minute Intervals

Remarks: \_\_\_\_\_

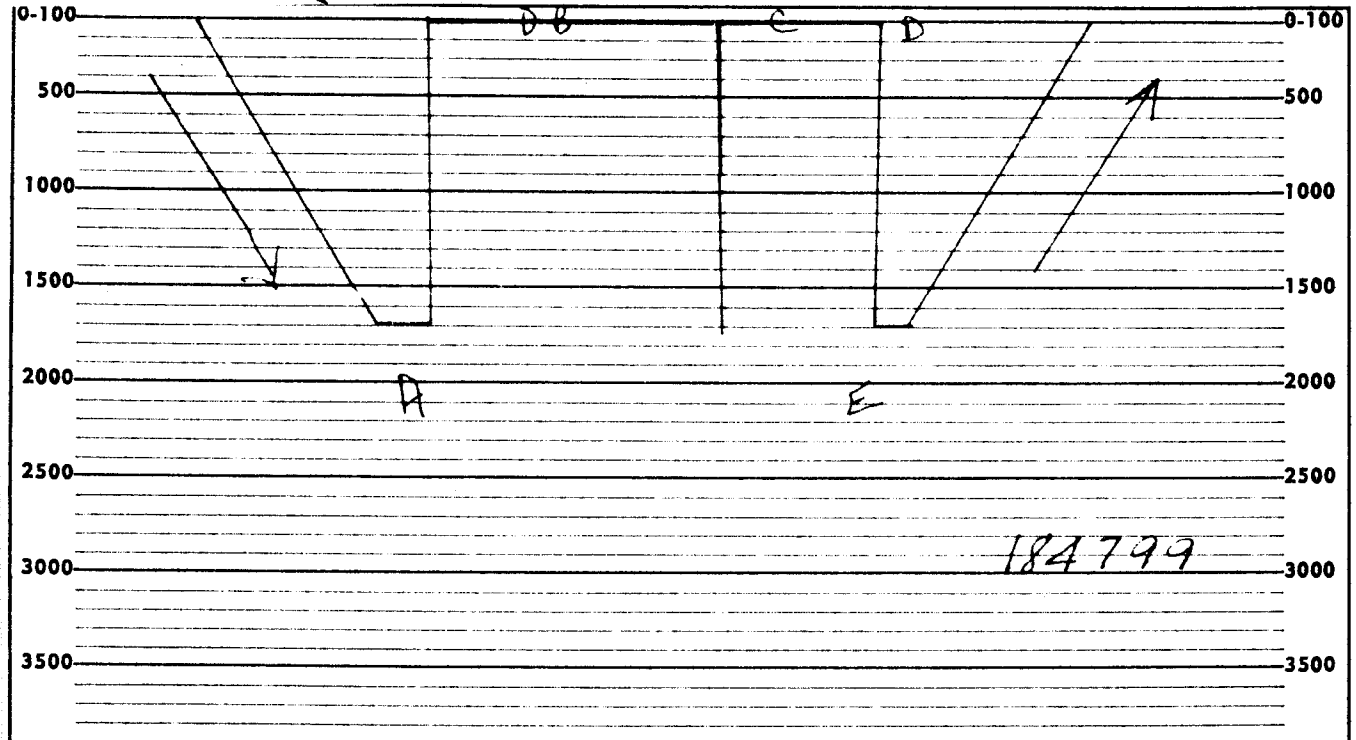
Initial Closed In Time	20	Minutes		Date	7-2-58	
Tool Open Flow Period	40	Minutes		Ticket No.	156799	
Final Closed In Time	20	Minutes		HOWCO DISTRICT	Russell	
Depth Top Gauge	3141'	Ft.	Blanked Off	No	Kind of Job	Open Hole Test
BT. P.R.D. No	294		12	Hr. Clock	CONTRACTOR	Lewis Drilling Company
Pressure Readings	Field		Office Corrected		HOLE & TOOL DATA	
Initial Hydro Mud Pressure			1750		Elevation	1798'
Initial Closed in Pres.			30		Total Depth	3162'
Initial Flow Pres.			30		Casing or Hole Size	7 7/8"
Final Flow Pres.			30		Liner or Rathole Size	7 7/8"
Final Closed in Pres.			48		Casing Perforations	Top Bottom
Final Hydro Mud Pressure			1740		Interval Tested	3138' to 3162'
Depth Center Gauge	3158'	Ft.	Blanked Off	Yes	Formation Tested	Kansas City
BT. P.R.D. No	1890		12	Hr. Clock	Est. Gauge Depth Temp.	100 F.
Pressure Readings	Field		Office Corrected		MUD DATA Weight	10.2
Initial Hydro Mud Pressure					All depths measured from	Derrick Floor
Initial Closed in Pres.					REMARKS:	Interval tested from 3138' to 3162'
Initial Flow Pres.						in the Kansas City. Tool opened @ 11:35 P. M.
Final Flow Pres.						for I.C.I.P., dropped bar @ 11:55 P. M. with
Final Closed in Pres.						a weak blow and died in 3 minutes, closed in
Final Hydro Mud Pressure						pressure taken @ 12:35 A. M., and started
Depth Bottom Gauge		Ft.	Blanked Off			off bottom @ 12:55 A. M.
BT. P.R.D. No				Hr. Clock		(No special readings taken due to insufficient
Pressure Readings	Field		Office Corrected			pressures.)
Initial Hydro Mud Pressure						
Initial Closed in Pres.					Recovered	12' Feet of Rotary 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	Mr. Geo Waite
Amount-Type of Cushion	none				Tester	E. B. Cullum

LOCATION SEC: 19-12-14  
 FIELD Wildcat  
 COUNTY Russell  
 STATE Kansas  
 LEASE NAME SMITH  
 WELL NO. I  
 TEST NO. 3  
 SOLAR OIL COMPANY  
 LEASE OWNER  
 OWNERS DISTRICT MCHITTA




PRESSURE

← TIME →

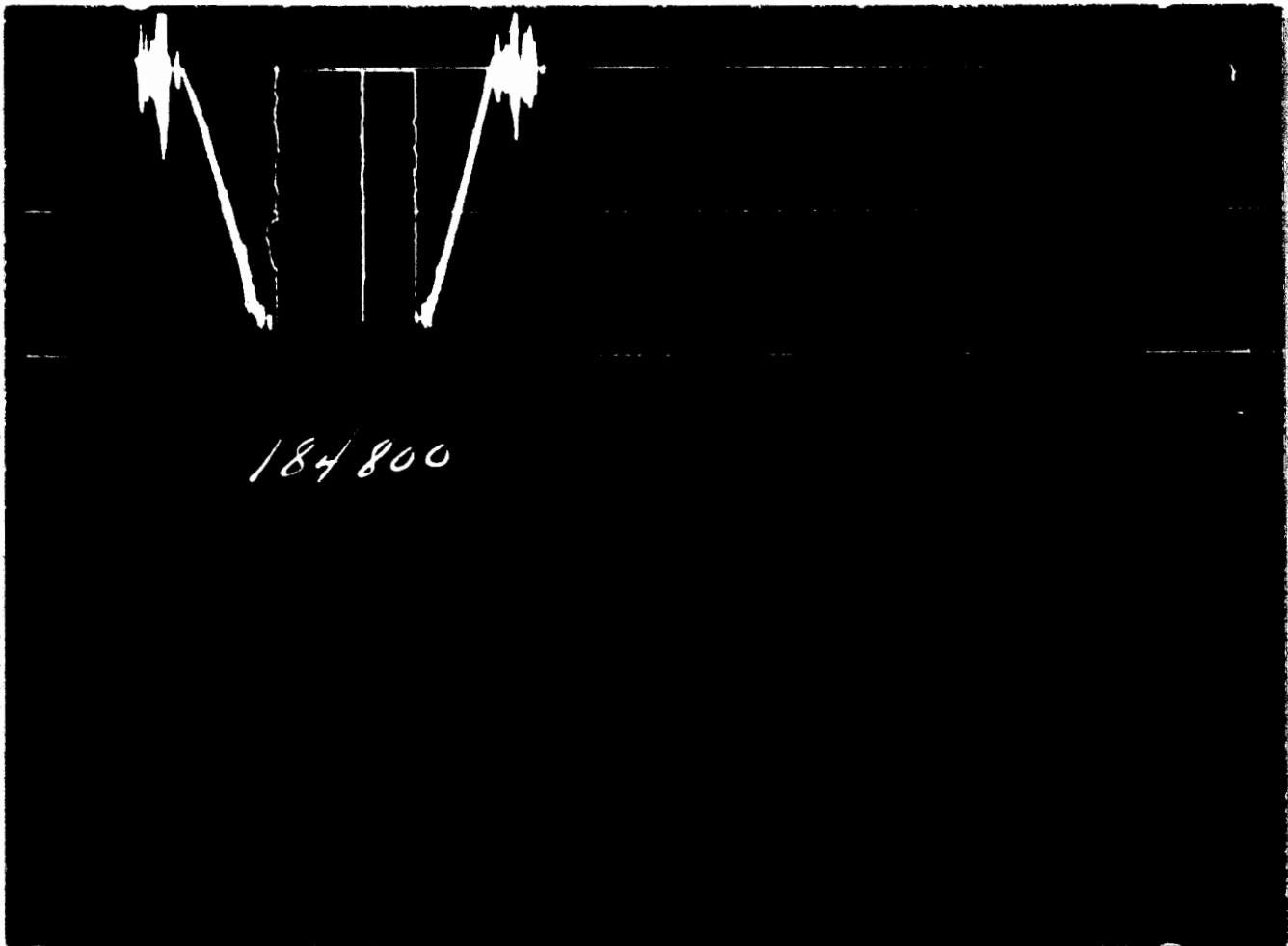


- A—Initial Mud Weight
- B—Initial Flow
- C—Final Flow
- D—Closed In Pressure
- E—Final Mud Weight

Initial Closed in Time	20	Minutes		Date	7-2-58	
Tool Open Flow Period	40	Minutes		Ticket No.	184800	
Final Closed in Time	20	Minutes		HOWCO DISTRICT	Russell	
Depth Top Gauge	3168'	Ft.	Blanked Off	NO	Kind of Job	Open Hole Test
BT. P.R.D. No	294		12	Hr. Clock	CONTRACTOR	Lewis Drilling Company
Pressure Readings	Field		Office Corrected		HOLE & TOOL DATA	
Initial Hydro Mud Pressure			1763		Elevation	1798'
Initial Closed in Pres.			38		Top Packer Depth	3165'
Initial Flow Pres.			38		Total Depth	3195'
Final Flow Pres.			38		Bottom Packer Depth	-
Final Closed in Pres.			38		Casing or Hole Size	7 7/8"
Final Hydro Mud Pressure			1763		Size & Type Wall Packer	6 3/4" ESW
Depth Center Gauge	3191'	Ft.	Blanked Off	Yes	Liner or Rathole Size	7 7/8"
BT. P.R.D. No	1890		12	Hr. Clock	Size Bottom Choke	5/8"
Pressure Readings	Field		Office Corrected		Casing Perforations	Top _____ Bottom _____
Initial Hydro Mud Pressure					Size Surface Choke	1/4"
Initial Closed in Pres.					Interval Tested	3165' to 3195'
Initial Flow Pres.					ID & Length Air Chamber	-
Final Flow Pres.					Formation Tested	Kansas City
Final Closed in Pres.					ID & Length Drill Collars	-
Final Hydro Mud Pressure					Est. Gauge Depth Temp.	100 F
					Size Drill Pipe	4 1/2" API FH
					MUD DATA Weight	10.2
					Viscosity	39
					All depths measured from	Derrick Floor
					No...Folders Reproduced	5
					REMARKS: Interval tested from 3165' to 3195'	
					in the Kansas City. Tool opened for I.C.I.P.	
					dropped bar @ 10:34 A. M. with a weak blow and	
					died in 4 minutes, closed in pressure taken @	
					11:14 A. M., and started off bottom @ 11:34 A.	
					M. (No special readings taken due to	
					insufficient pressures.)	
					Recovered	7' Feet of Rotary mud
					Recovered	Feet of
					Recovered	Feet of
					Recovered	Feet of
					Witnessed By	Mr. Geo. Waite
					Tester	E. B. Cullum
Amount-Type of Cushion	none					

LOCATION SEC: 19-12-16 FIELD WILDCAT COUNTY Russell STATE Kansas

SMITH LEASE NAME I 4 TEST NO. SOLAR OIL COMPANY LEASE OWNER WICHITA OWNERS DISTRICT



184800

PRESSURE ↑

← TIME →

