

Initial Closed In Time 20 Minutes			Date 1-24-59		LOCATION 3-26-4 FIELD TOWANDA COUNTY BUTLER STATE KANSAS
Tool Open Flow Period 30 Minutes			Ticket No. 206316		
Final Closed In Time 20 Minutes			HOWCO DISTRICT Eldorado		
Depth Top Gauge 2431 Ft. Blanked Off No			Kind of Job Open Hole		
BT. P.R.D. No 291 12 Hr. Clock		CONTRACTOR Martin Drlg. Co.			
Pressure Readings Field Office Corrected		HOLE & TOOL DATA			
Initial Hydro Mud Pressure 1245 1248		Elevation -		Top Packer Depth -	
Initial Closed in Pres. 850 844		Total Depth 2450'		Bottom Packer Depth 2441'	
Initial Flow Pres. 305 308		Casing or Hole Size 7 7/8"		Size & Type Wall Packer 6 3/4" ESA	
Final Flow Pres. 805 804		Liner or Rathole Size 7 7/8"		Size Bottom Choke 7/8"	
Final Closed in Pres. 835 828		Casing Perforations Top Bottom		Size Surface Choke 1/4"	
Final Hydro Mud Pressure 1245 1240		Interval Tested 2441-2450'		ID & Length Air Chamber 4 1/2" x 5'	
Depth Center Gauge Ft. Blanked Off		Formation Tested Simpson		ID & Length Drill Collars 2 3/8" x 85'	
BT. P.R.D. No Hr. Clock		Est. Gauge Depth Temp. calc. 100 F°		Size Drill Pipe 4 1/2" FH	
Pressure Readings Field Office Corrected		MUD DATA Weight 9.9		Viscosity 39	
Initial Hydro Mud Pressure		All depths measured from Kelly Bushing		No...Folders Reproduced 5	
Initial Closed in Pres.		REMARKS: Set packer, opened tool and took a			
Initial Flow Pres.		20 Minute Initial closed in pressure. Tool			
Final Flow Pres.		opened with a strong blow throughout test.			
Final Closed in Pres.					
Final Hydro Mud Pressure					
Depth Bottom Gauge 2445 Ft. Blanked Off Yes					
BT. P.R.D. No Hr. Clock					
Pressure Readings Field Office Corrected					
Initial Hydro Mud Pressure					
Initial Closed in Pres.		Recovered 1900 Feet of 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 Earl Wentworth			
Amount-Type of Cushion 5' air		Tester E. R. Sanders			

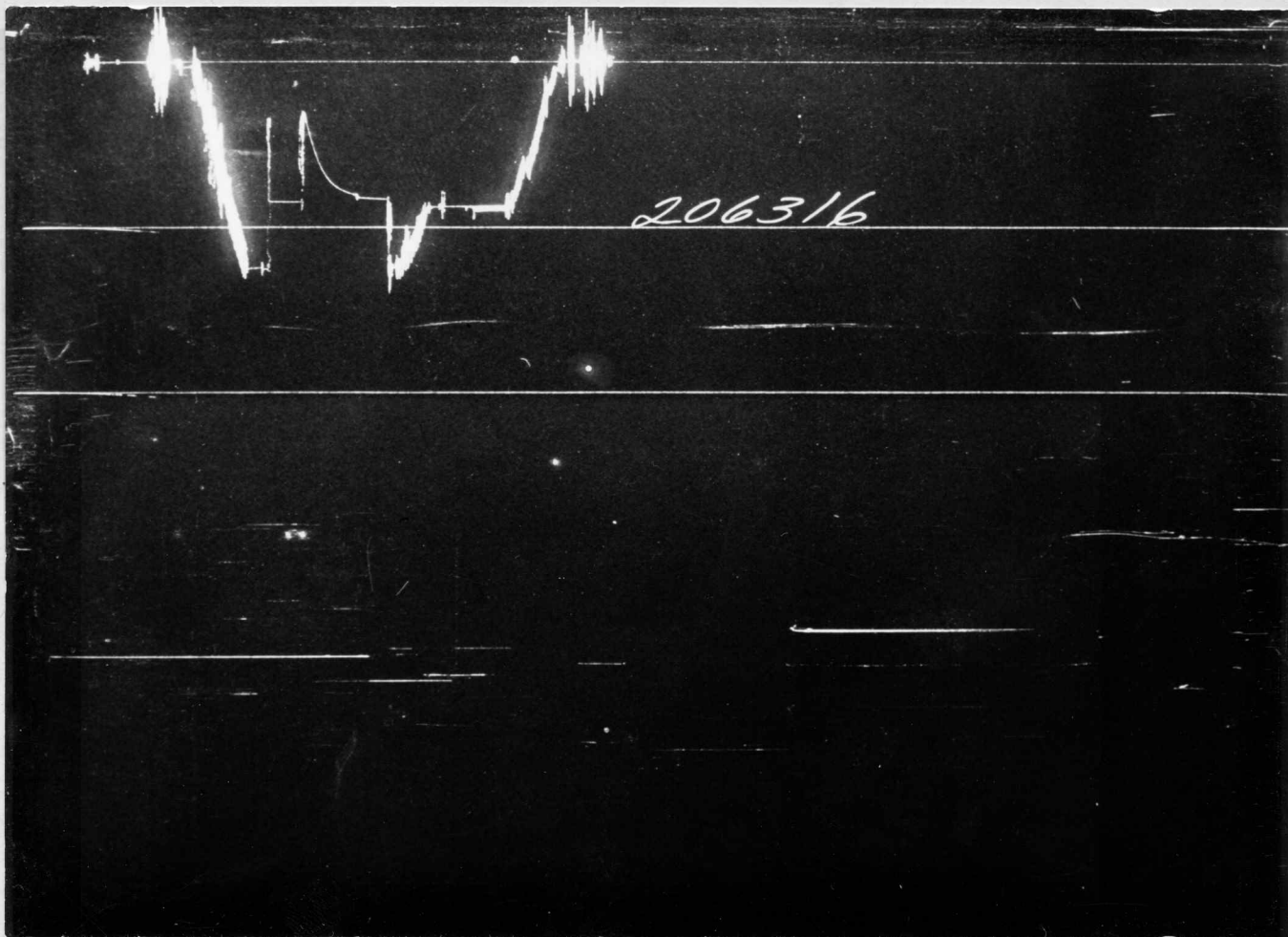
 NELSON
LEASE NAME

WELL NO. 4

TEST NO. 1

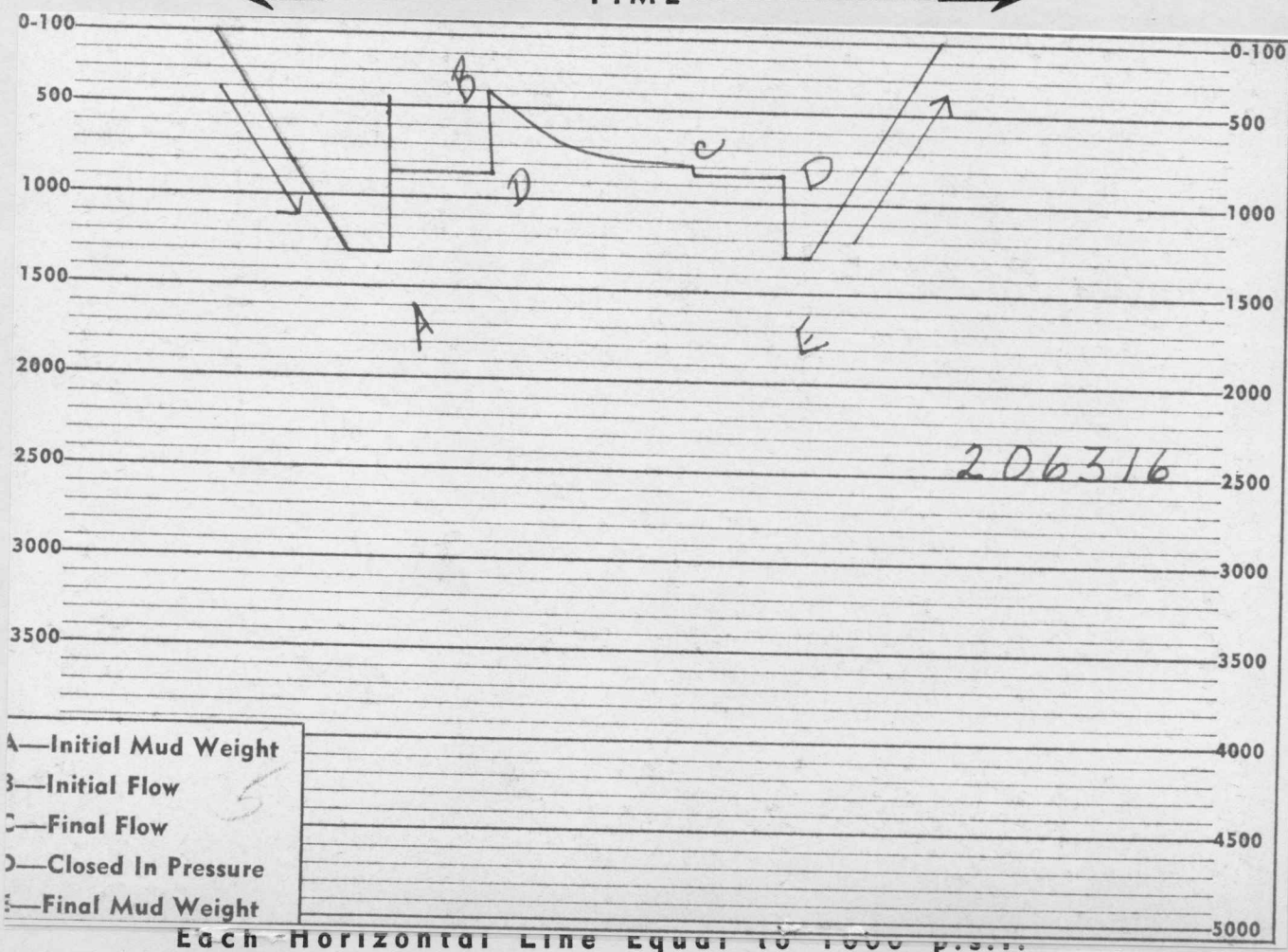
 J. P. GATY
LEASE OWNER

 WICHITA
OWNERS DISTRICT



↑
PRESSURE
↓

← TIME →



Company J.P. GATY Date 1-24-59 5
 Lease NELSON Well No. 4 Test No. 1 Ticket No. 206316

	Time	PSI
Initial Hydro Mud Pressure		1248
Initial Closed In Pressure	20 Min.	844
Initial Flow		308
Final Flow	30 Min.	804
Final Closed In Pressure	20 Min.	828
Final Hydro Mud Pressure		1240

Total Depth 2450'
 Packer Depth 2441'
 BT No. 291 Depth 2431'
12 Hr. Clock No. 4094
 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.
PO	.000	347	.000	308	.000	804
P1	.0135	843	.0365	489	.013	820
P2	.027	843	.073	634	.026	822
P3	.0405	844	.1095	718	.039	822
P4	.054	844	.146	764	.052	823
P5	.0675	844	.1825	789	.065	825
P6	.081	844	.219	804	.078	825
P7	.0945	844			.091	825
P8	.108	844			.104	826
P9	.1215	844			.117	828
P10	.135	844			.130	828
	2 Minute Intervals		5 Minute Intervals		2 Minute Intervals	

Remarks: _____

NELSON

LEASE NAME

WELL NO.

4

TEST NO.

2

J. P. GATY

LEASE OWNER

WICHITA

OWNERS DISTRICT

LOCATION 3-26-4

FIELD

TOWANDA

COUNTY BUTLER

STATE KANSAS



Date 1-25-59
Ticket No. 206317
HOWCO DISTRICT Eldorado
Kind of Job Open Hole

CONTRACTOR Martin Drilling Co.

HOLE & TOOL DATA

Elevation - Top Packer Depth 2429'
Total Depth 2450' Bottom Packer Depth 2441'
Casing or Hole Size 7 7/8" Size & Type Wall Packer 6 3/4" ESA
Liner or Rathole Size 7 7/8" Size Bottom Choke 7/8"
Casing Perforations || Top || Size Surface Choke 1/4"
Bottom ||

Interval Tested 2429-2441' ID & Length Air Chamber 4 1/2" x 5'

Formation Tested Viola ID & Length Drill Collars 2 5/8" x 85'

Est. Gauge Depth Temp. calc. 100F° Size Drill Pipe 4 1/2" FH

MUD DATA Weight 9.9 Viscosity 39

All depths measured from Kelly Bushing No. Folders Reproduced 5

REMARKS: Set packer, opened tool and took a
15 Minute Initial closed in pressure. Tool
opened with a weak blow increasing to a
strong blow.

Recovered 530 Feet of water

Recovered Feet of

Recovered Feet of

Recovered Feet of

Witnessed By J. P. Gaty

Tester E. L. Sanders

Initial Closed In Time 15 Minutes
Tool Open Flow Period 30 Minutes
Final Closed In Time 15 Minutes

Depth Top Gauge 2424 Ft. Blanked Off No

BT. P.R.D. No 291 12 Hr. Clock

Pressure Readings Field Office Corrected

Initial Hydro Mud Pressure 1245 1243

Initial Closed in Pres. - 65

Initial Flow Pres. 0 3

Final Flow Pres. 505 491

Final Closed in Pres. 815 828

Final Hydro Mud Pressure 1245 1225

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 2445 Ft. Blanked Off Yes

BT. P.R.D. No 1698 Hr. Clock

Pressure Readings Field Office Corrected

Initial Hydro Mud Pressure

Initial Closed in Pres.

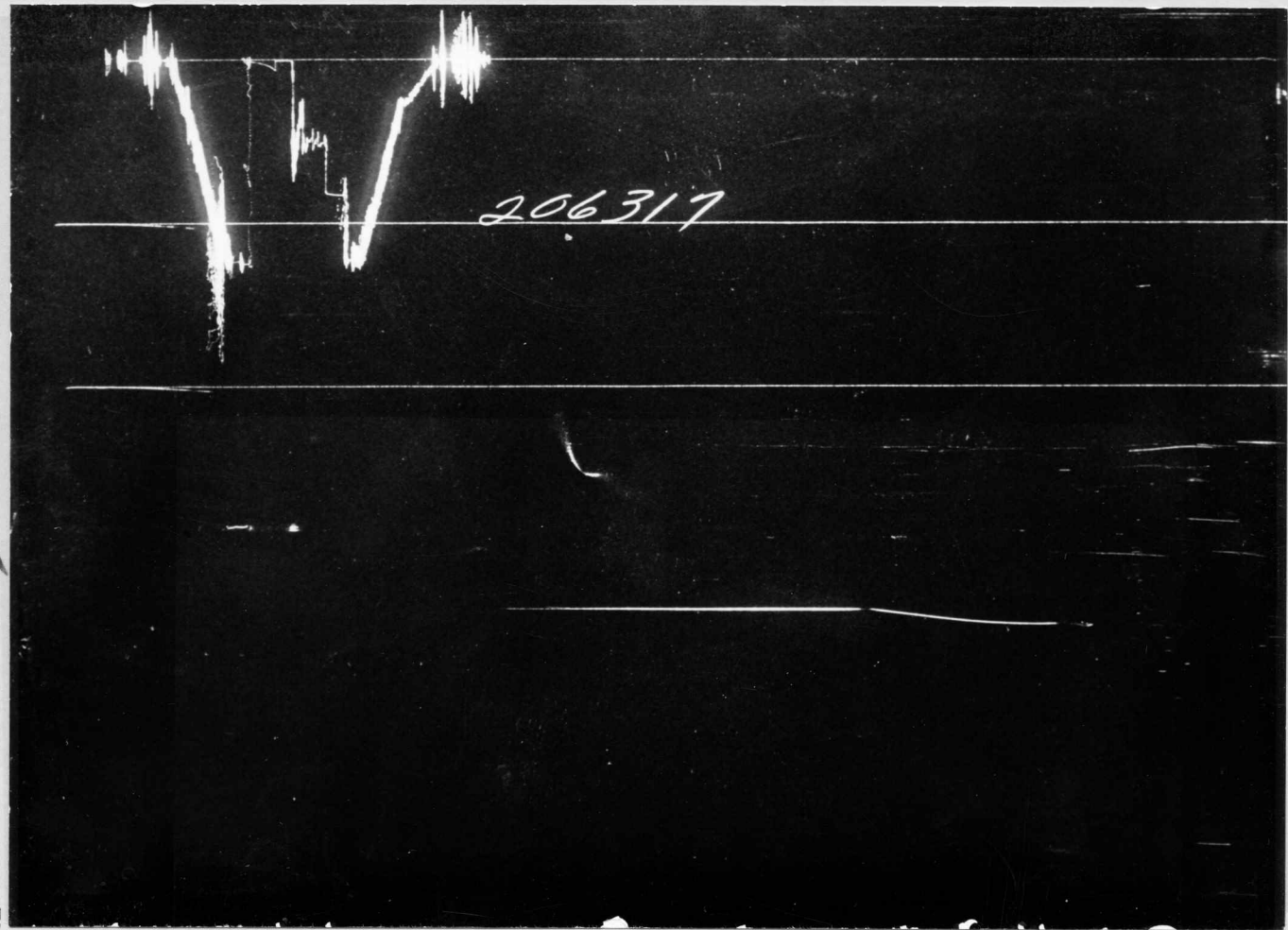
Initial Flow Pres.

Final Flow Pres.

Final Closed in Pres.

Final Hydro Mud Pressure

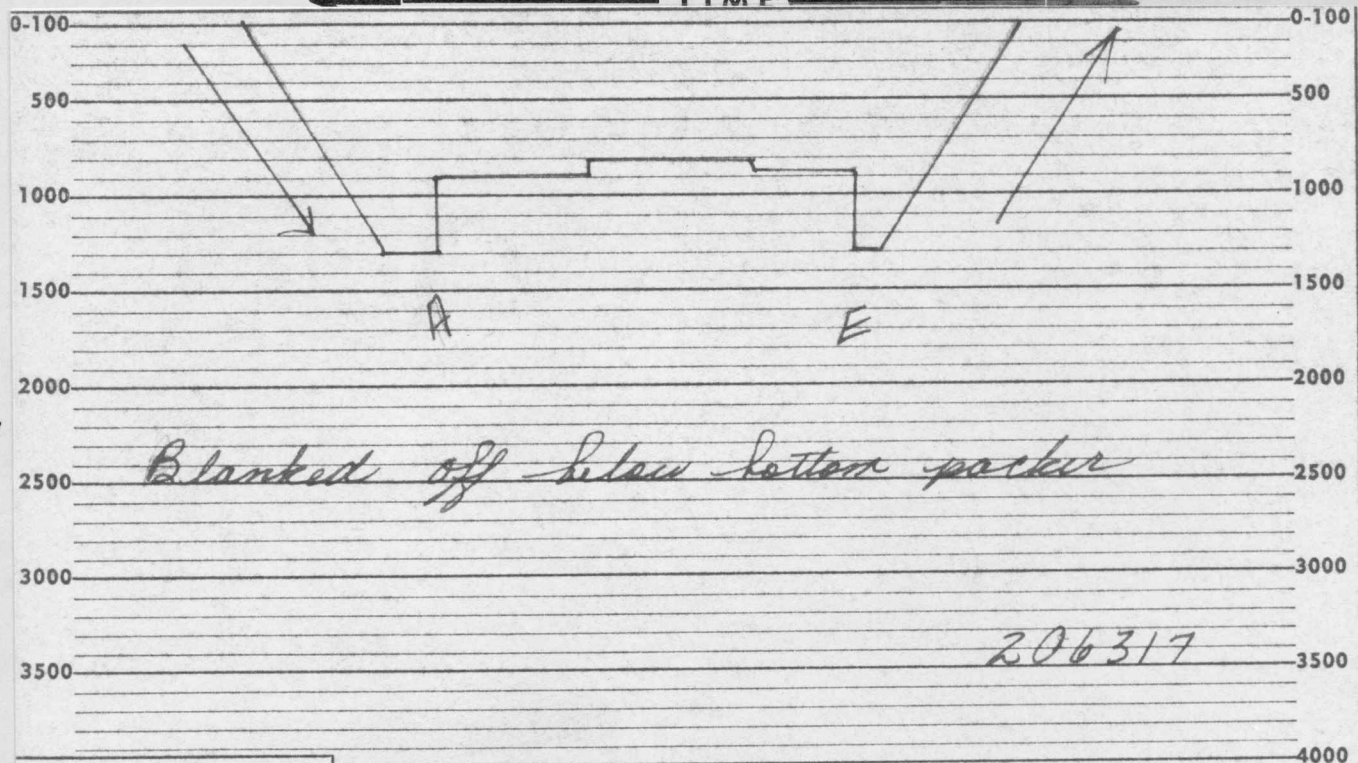
Amount-Type of Cushion 5' air



206317

↑
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.

Company J.P. GATYDate 1-25-59Lease NELSONWell No. 4Test No. 2Ticket No. 206317

	Time	PSI
Initial Hydro Mud Pressure		1243
Initial Closed In Pressure	15 Min.	65
Initial Flow		3
Final Flow	30 Min.	491
Final Closed In Pressure	15 Min.	828
Final Hydro Mud Pressure		1225

Total Depth 2450'Packer Depth 2429'-2441'BT No. 291 Depth 2424'12 Hr. Clock No. 4094Temperature 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	3	.000	491
P1			.204	491	.0075	819
P2					.015	822
P3					.0225	823
P4					.030	825
P5					.0375	826
P6					.045	828
P7					.0525	828
P8					.060	828
P9					.0675	828
P10					.075	828
Minute Intervals			Minute Intervals		1.5 Minute Intervals	

Remarks: _____