

Flow Time	1st Min.	2nd Min.	Date	Ticket Number	Legal Location
10	60	8-22-63	400957 S	SE	SW
Closed In Press. Time	1st Min.	2nd Min.	Kind of Job	Halliburton District	Well No.
30	30	OPEN HOLE	HAYS	30	11516
Pressure Readings	Field	Office Corrected	Tester	Witness	Field Area
			GROVER	ORVIE HOWELL	Area
Depth Top Gauge	Ft.	No Blanked Off	Drilling Contractor	Elevation	Top Packer
3078	No	RED TIGER DRILLING CO.	1940'	3068'	SE
BT. P.R.D. No.	12	Hour Clock	Total Depth	Bottom Packer	SW
311	12	3095'	3073'	SE	30
Initial Hydro Mud Pressure	1664	1626	Interval Tested	Formation Tested	SE
1664	1626	3073-3095'	Topeka		11516
Initial Closed in Pres.	1093	1088	Casing or Hole Size	Casing Perfs.	1
1093	1088	7 7/8"	1 1/4"	1"	1
Initial Flow Pres.	1 14	2 25	Surface Choke	Bottom Choke	1
-	1 14	2 25	1 1/4"	1"	1
Final Flow Pres.	1 17	2 26	Size & Kind Drill Pipe	Drill Collars Above Tester	1
35	1 17	2 26	4 1/2"	2 1/2 Flex Wt.	1
Final Closed in Pres.	918	913	Mud Weight	Mud Viscosity	1
918	913	9.4	34		1
Final Hydro Mud Pressure	1646	1619	Temperature	Anchor Size & Length	1
1646	1619	100 °F Est.	ID 3.84	OD 5 X 22	1
Depth Cen. Gauge	3092	Ft. Yes	Blanked Off	Depths Mea. From	Depth of Tester Valve
3092	Yes	KB	3050'		
BT. P.R.D. No.	312	12	Hour Clock	TYPE	AMOUNT
312	12	none			
Initial Hydro Mud Pres.	1634	1634	Depth Back Pres. Valve	Recovered	Feet of
1634	1634	1634		15	Drilling mud
Initial Closed in Pres.	1097	1097	Recovered	Recovered	Feet of
1097	1097	1097			
Initial Flow Pres.	1 23	2 32	Recovered	Recovered	Feet of
	1 23	2 32			
Final Flow Pres.	1 25	2 34	Recovered	Recovered	Feet of
	1 25	2 34			
Final Closed in Pres.	944	944	Recovered	Recovered	Feet of
944	944	944			
Final Hydro Mud Pres.	1629	1629	Oil A.P.I. Gravity	Water Spec. Gravity	County
1629	1629	1629			ELLIS
Depth Bot. Gauge	Ft.	Blanked Off	Gas Gravity	Surface Pressure	psi
BT. P.R.D. No.	Hour Clock	Tool Opened	A.M. P.M.	Tool Closed	A.M. P.M.
		1:00 AM		3:10 AM	
Initial Hydro Mud Pres.	Remarks	Tool opened with a weak blow for a 10 minute			
		first flow. Rotated tool for a 30 minute initial			
Initial Closed in Pres.	closed in pressure.	Reopened tool for a 60 minute			
		second flow. Took a 30 minute final closed in			
Final Closed in Pres.	pressure.				
Final Hydro Mud Pres.					

FORMATION TEST DATA

5

Legal Location: Sec. - Twp. - Rng. SE SW SE 30 11516
 Lease Name: EDIE
 Well No.: 1
 Test No.: 1
 Field Area: Area
 County: HINKLE OIL COMPANY
 Lease Owner/Company Name: HINKLE OIL COMPANY
 State: KANSAS
 Owner's District: EDIE

Gauge No. 311		Depth 3078		Clock 12 hour		Ticket No. 400957				
First Flow Period		Initial Closed In Pressure			Second Flow Period		Final Closed In Pressure			
	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t+\theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t+\theta}{\theta}$	PSIG Temp. Corr.
P ₀	.000	14	.000		17	.000	25	.000		26
P ₁	.014	15	.0188		217	.0985	20	.018		59
P ₂	.028	16	.0376		715	.1970	23	.036		185
P ₃	.042	16	.0564		877	.2955	24	.054		444
P ₄	.056	16	.0752		950	.3940	26	.072		640
P ₅	.070	17	.0940		996			.090		746
P ₆		16	.1128		1026			.108		805
P ₇		16	.1316		1049			.126		844
P ₈		16	.1504		1067			.144		873
P ₉			.1692		1079			.162		896
P ₁₀			.1880		1088			.180		913

Gauge No. 312		Depth 3092		Clock 12 hour						
	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t+\theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t+\theta}{\theta}$	PSIG Temp. Corr.
P ₀	.000	23	.000		25	.000	32	.000		34
P ₁	.0148	23	.0202		189	.105	29	.0215		68
P ₂	.0296	23	.0404		700	.210	30	.0430		203
P ₃	.0444	24	.0606		886	.315	32	.0645		503
P ₄	.0592	25	.0808		960	.420	34	.0860		701
P ₅	.0740	25	.1010		1005			.1075		796
P ₆		23	.1212		1036			.1290		847
P ₇		24	.1414		1058			.1505		882
P ₈			.1616		1075			.1720		908
P ₉		25	.1818		1088			.1935		927
P ₁₀			.2020		1097			.2150		944
Reading Interval		2	3			15		3	Minutes	

REMARKS:

SPECIAL PRESSURE DATA

400957-311

↑
PRESSURE

← TIME →

400957-312

↓
PRESSURE

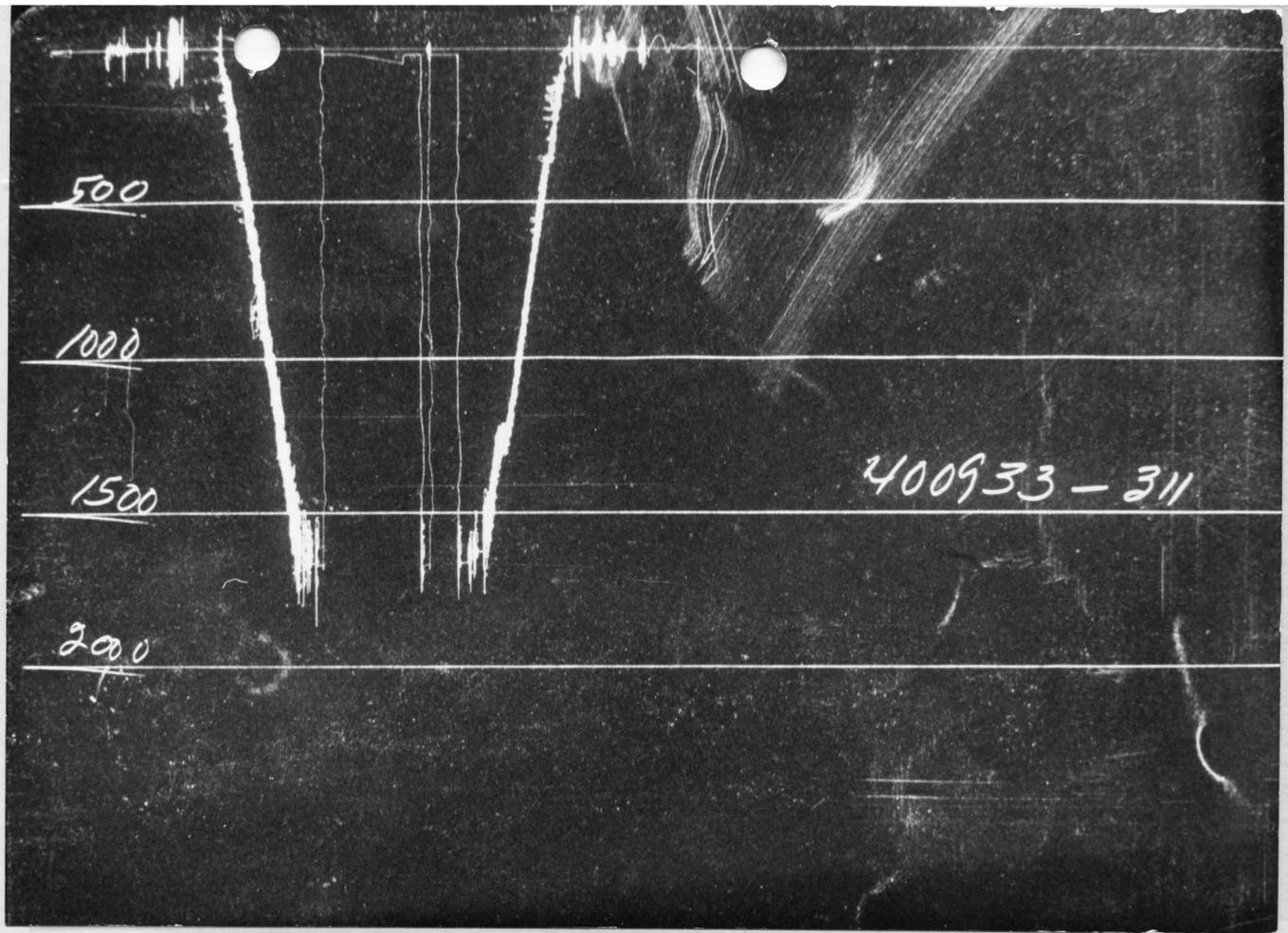
Flow Time	1st 15 Min.	2nd 30 Min.	Date	8-22-63	Ticket Number	400933
Closed In Press. Time	1st 30 Min.	2nd 30 Min.	Kind of Job	Open Hole	Halliburton District	Hays
Pressure Readings	Field	Office Corrected	Tester	Dub Sellers	Witness	Orvie Howell
Depth Top Gauge	3135 Ft.	no Blanked Off	Drilling Contractor	Red Tiger Drlg Co.		
BT. P.R.D. No.	311	12 Hour Clock	Elevation	1940' RB	Top Packer	
Initial Hydro Mud Pressure		1661	Total Depth	3180'	Bottom Packer	3133'
Initial Closed in Pres.		47	Interval Tested	47'	Formation Tested	
Initial Flow Pres.	1 18	2 19	Casing or Hole Size	7 7/8"	Casing Perfs. } Top	
Final Flow Pres.	1 18	2 19	Surface Choke	1/4"	Bottom Choke	1"
Final Closed in Pres.		clock stopped	Size & Kind Drill Pipe	4 1/2" FH	Drill Collars Above Tester	I.D. - LENGTH 2.764" x 1360"
Final Hydro Mud Pressure		1655	Mud Weight	9.4	Mud Viscosity	34
Depth Cen. Gauge			Temperature	100 °F Est.	Anchor Size & Length	ID 3.84" X 47' OD 5"
BT. P.R.D. No.			Depths Mea. From	Rotary bushing	Depth of Tester Valve	3115 Ft.
Initial Hydro Mud Pres.			TYPE AMOUNT		Depth Back Pres. Valve	Ft.
Initial Closed in Pres.			Cushion		Recovered	3 Feet of drlg mud
Initial Flow Pres.	1		Recovered		Recovered	Feet of
Final Flow Pres.	1		Recovered		Recovered	Feet of
Final Closed in Pres.			Recovered		Recovered	Feet of
Final Hydro Mud Pres.			Oil A.P.I. Gravity		Water Spec. Gravity	
Depth Bot. Gauge	3176 Ft.	yes Blanked Off	Gas Gravity		Surface Pressure	psi
BT. P.R.D. No.	312	12 Hour Clock	Tool Opened	4:35-5:20 A.M. P.M.	Tool Closed	4:50-5:50 A.M. P.M.
Initial Hydro Mud Pres.	1681	1680	Remarks	Open tool for 15 mins first flow.		
Initial Closed in Pres.	61	63		Closed tool for 30 mins. Reopen tool		
Initial Flow Pres.	35 1 45			with blow dead immediately, flush tool		
Final Flow Pres.	35 1 45			same results. Closed for 30 mins.		
Final Closed in Pres.	61	67		No special reading adaptable.		
Final Hydro Mud Pres.	1672	1672				

Legal Location SE SW SE 30-11-16 W
 Lease Name
 Well No.
 Test No.
 Field Area
 WILDCAT
 County
 ELLIS
 State
 KANSAS
 Owner's District

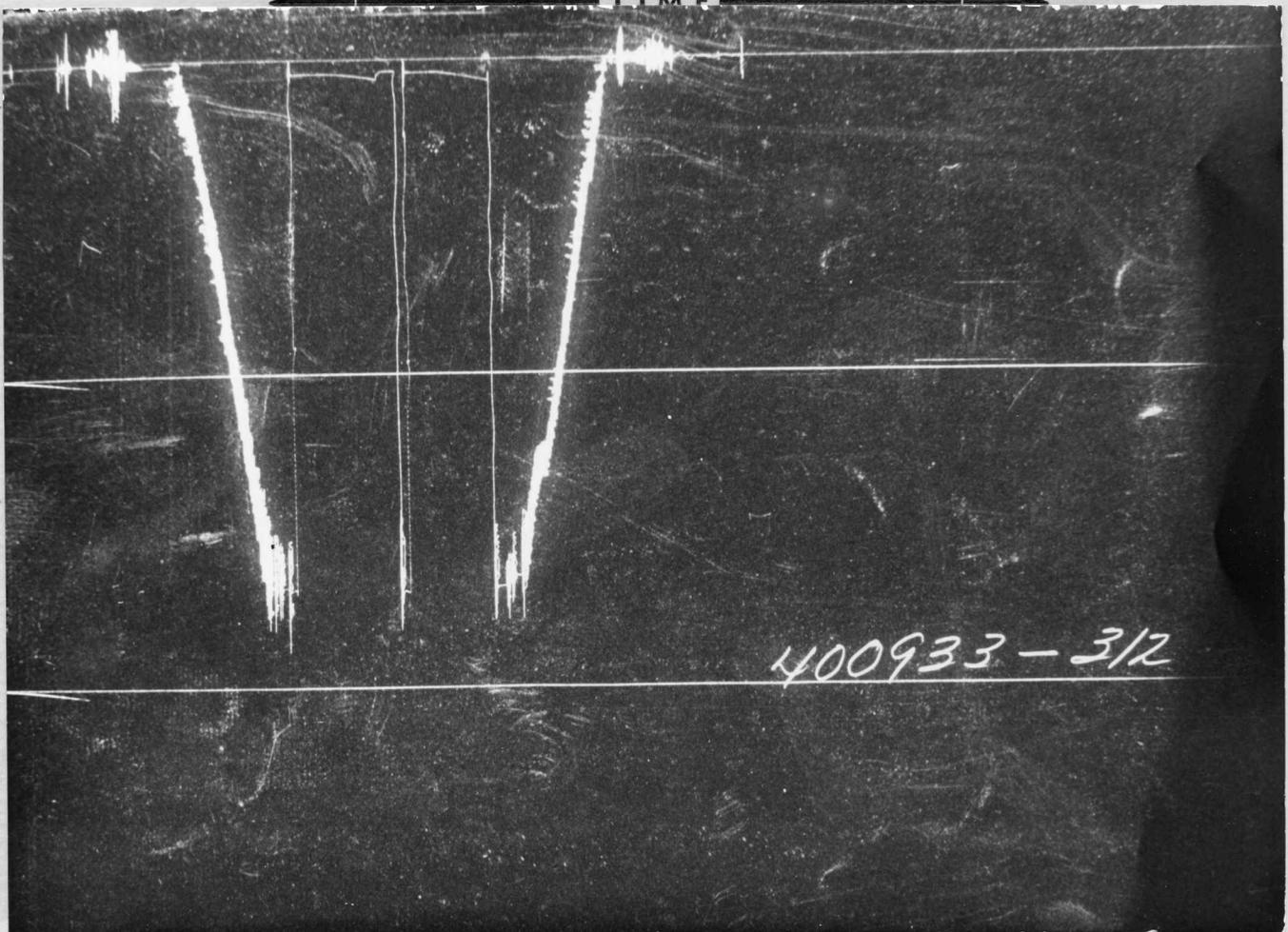
FORMATION TEST DATA

5-C

PRESSURE



TIME



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

Flow Time	1st 10	Min.	2nd 90	Min.	Date	8-23-63	Ticket Number	400958 S
Closed In Press. Time	1st 30	Min.	2nd 30	Min.	Kind of Job	OPEN HOLE	Halliburton District	HAYS
Pressure Readings	Field		Office Corrected		Tester	K. L. GROVER	Witness	ORVIE HOWELL
Depth Top Gauge	3200	Ft.	No	Blanked Off	Drilling Contractor	RED TIGER DRLG. CO.		
BT. P.R.D. No.	311		12	Hour Clock	Elevation	1940'	Top Packer	3192'
Initial Hydro Mud Pressure			1704		Total Depth	3260'	Bottom Packer	3197'
Initial Closed in Pres.			944		Interval Tested	3197-3260'	Formation Tested	Kansas City
Initial Flow Pres.		1	19		Casing or Hole Size	7 7/8"	Casing Perfs. { Top	
Final Flow Pres.		2	42		Surface Choke	1/4"	Bottom Choke	1"
Final Closed in Pres.		1	33		Size & Kind Drill Pipe	4 1/2" FH	Drill Collars Above Tester	2 1/4 Flex Wt. 1336'
Final Hydro Mud Pressure		2	121		Mud Weight	9.4	Mud Viscosity	35
Depth Cen. Gauge	3256	Ft.	Yes	Blanked Off	Temperature	102	Anchor Size & Length	ID 3 1/4" X 63
BT. P.R.D. No.	312		12	Hour Clock	Depths Mea. From	Kelly Bushing	Depth of Tester Valve	3177 Ft.
Initial Hydro Mud Pres.	1820		1730		Cushion	none	Depth Back Pres. Valve	Ft.
Initial Closed in Pres.	969		972		Recovered	210	Feet of Muddy Saltwater	
Initial Flow Pres.	34	1	49		Recovered		Feet of	
Final Flow Pres.		2	70		Recovered		Feet of	
Final Closed in Pres.	901		899		Recovered		Feet of	
Final Hydro Mud Pres.	1733		1716		Oil A.P.I. Gravity		Water Spec. Gravity	
Depth Bot. Gauge		Ft.		Blanked Off	Gas Gravity		Surface Pressure	psi
BT. P.R.D. No.				Hour Clock	Tool Opened	8:20 AM	Tool Closed	11:00 AM
Initial Hydro Mud Pres.					Remarks	Tool opened with a good blow for a 10 minute first flow. Rotated tool for a 30 minute initial closed in pressure. Reopened tool with a good blow for a 90 minute second flow. Took a 30 minute final closed in pressure.		
Initial Closed in Pres.								
Initial Flow Pres.		1						
Final Flow Pres.		2						
Final Closed in Pres.		1						
Final Hydro Mud Pres.		2						

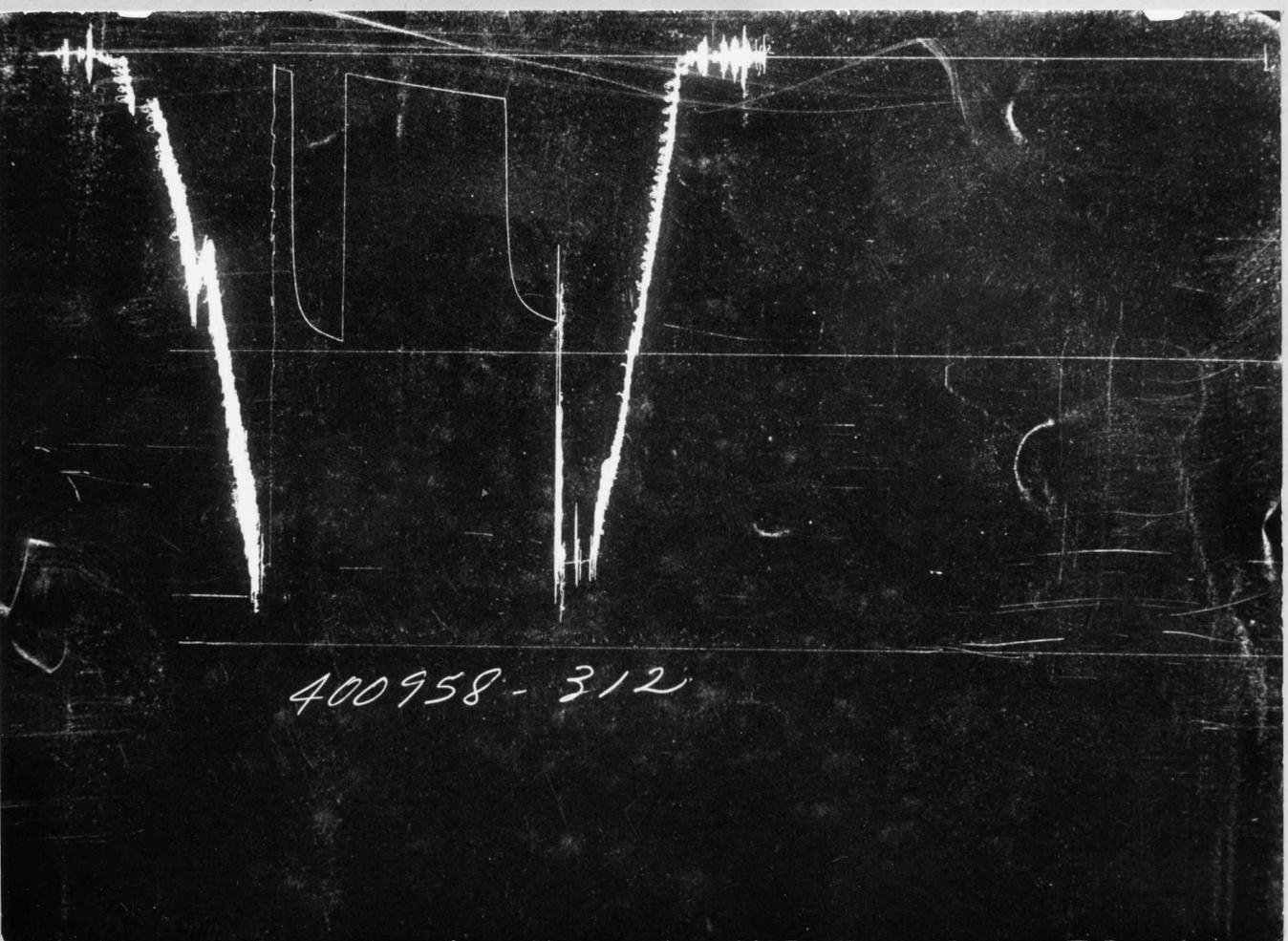
Legal Location Sec. - Twp. - Rng. SE SW SE 30 11S 16W
 Lease Name EDIE
 Well No. 1
 Test No. 3
 Field Area
 County Ellis
 State KANSAS
 Lease Owner/Company Name HINKLE OIL COMPANY
 Owner's District WICHITA

FORMATION TEST DATA

15

Gauge No. 311		Depth 3200		Clock 12 hour		Ticket No. 400958				
First Flow Period		Initial Closed In Pressure			Second Flow Period		Final Closed In Pressure			
Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t + \theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t + \theta}{\theta}$	PSIG Temp. Corr.	
P ₀	.000	19	.000		33	.000	42	.000		121
P ₁	.0126	21	.0197		740	.099	54	.020		647
P ₂	.0252	25	.0394		835	.198	69	.040		750
P ₃	.0378	27	.0591		869	.297	83	.060		791
P ₄	.0504	31	.0788		890	.396	96	.080		814
P ₅	.0630	33	.0985		904	.495	109	.100		831
P ₆			.1182		915	.594	121	.120		843
P ₇	.0378		.1379		923	.693		.140		852
P ₈	.0504		.1576		930	.792		.160		861
P ₉			.1773		937	.891		.180		867
P ₁₀			.1970		944	.990		.200		872
Gauge No. 312		Depth 3256		Clock 12 hour						
P ₀	.000	49	.000		63	.000	70	.000		149
P ₁	.0134	51	.0212		764	.105	83	.0215		645
P ₂	.0268	55	.0424		861	.210	97	.0430		772
P ₃	.0402	58	.0636		896	.315	111	.0645		817
P ₄	.0536	60	.0848		918	.420	124	.0860		842
P ₅	.0670	63	.1060		932	.525	137	.1075		860
P ₆	.0804		.1272		942	.630	149	.1290		871
P ₇	.0938		.1484		951	.735		.1505		880
P ₈	.1072		.1696		959	.840		.1720		888
P ₉	.1206		.1908		966	.945		.1935		895
P ₁₀	.1340		.2120		972	1.050		.2150		899
Reading Interval 2		3			15		3			Minutes
REMARKS:										

SPECIAL PRESSURE DATA

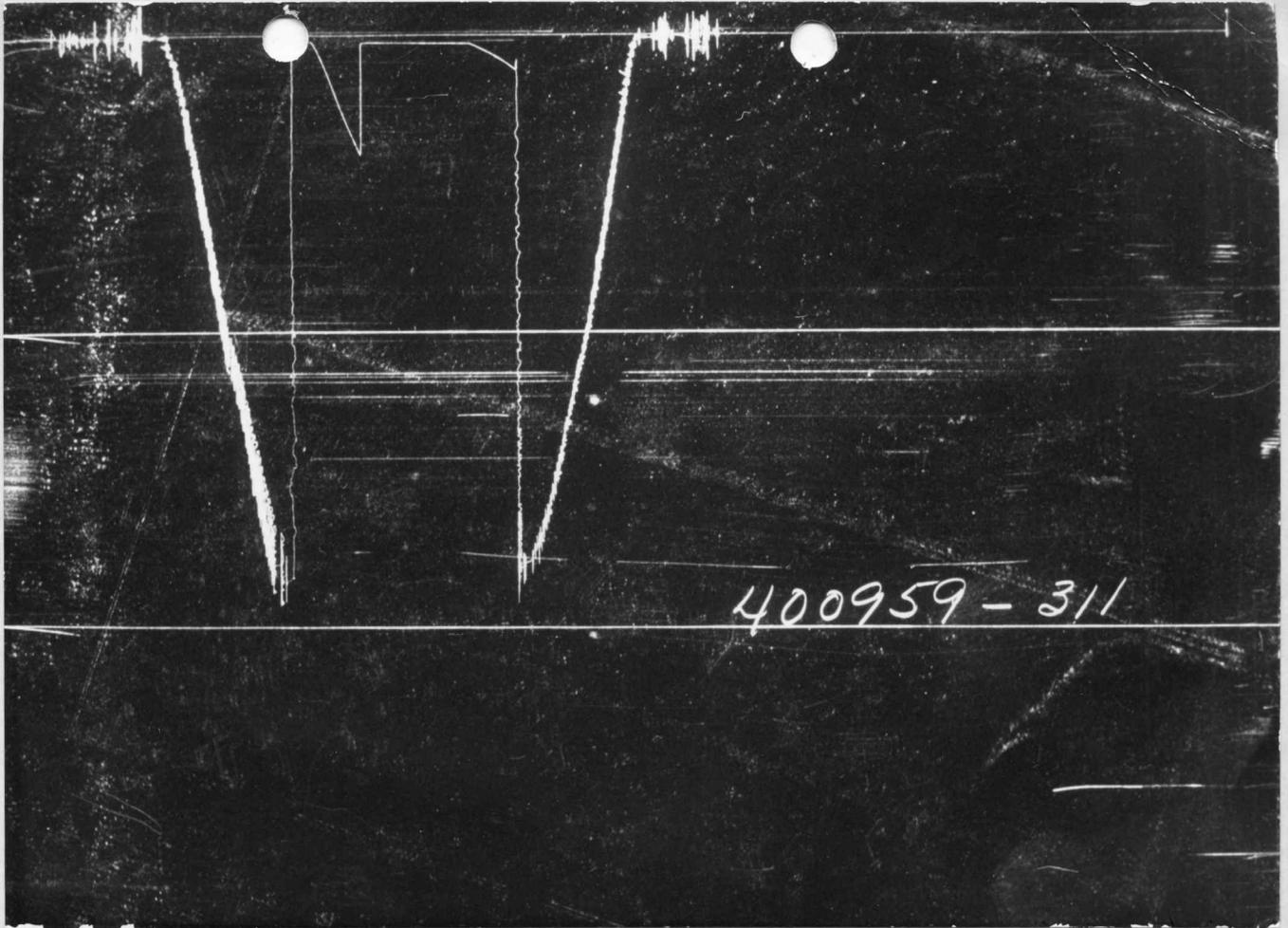


Flow Time	1st 10	Min.	2nd 60	Min.	Date	8-25-63	Ticket Number	400959
Closed In Press. Time	1st 30	Min.	2nd 30	Min.	Kind of Job	Open Hole	Halliburton District	Hays
Pressure Readings	Field		Office Corrected		Tester	K.L. Groves	Witness	Orvie Howell
Depth Top Gauge	3415	Ft.	no	Blanked Off	Drilling Contractor	Red Tiger Drlg		
BT. P.R.D. No.	311		12	Hour Clock	Elevation	1940'	Top Packer	3405'
Initial Hydro Mud Pressure			1825		Total Depth	3480'	Bottom Packer	3410'
Initial Closed in Pres.			401		Interval Tested	3410-3480'	Formation Tested	Cong.
Initial Flow Pres.			1 22		Casing or Hole Size	7 7/8"	Casing Perfs.	{ Top Bot.
Final Flow Pres.			1 22		Surface Choke	1/4"	Bottom Choke	1"
Final Closed in Pres.			119		Size & Kind Drill Pipe	4 1/2"	Drill Collars Above Tester	flx wt. LENGTH 2 1/4" x 1336'
Final Hydro Mud Pressure			1801		Mud Weight	10	Mud Viscosity	41
Depth Cen. Gauge		Ft.		Blanked Off	Temperature	105	Anchor Size & Length	ID 5" X 70'
BT. P.R.D. No.				Hour Clock	Depths Mea. From	Rotary bushing	Depth of Tester Valve	3398 Ft.
Initial Hydro Mud Pres.					TYPE AMOUNT		Depth Back Pres. Valve	Ft.
Initial Closed in Pres.					Cushion			
Initial Flow Pres.			1		Recovered	10	Feet of	drlg mud
Final Flow Pres.			2		Recovered		Feet of	
Final Closed in Pres.			1		Recovered		Feet of	
Final Hydro Mud Pres.			2		Recovered		Feet of	
Depth Bot. Gauge	3476	Ft.	yes	Blanked Off	Oil A.P.I. Gravity		Water Spec. Gravity	
BT. P.R.D. No.	312		12	Hour Clock	Gas Gravity		Surface Pressure	psi
Initial Hydro Mud Pres.	1865		1860		Tool Opened	2:50	Tool Closed	5:00
Initial Closed in Pres.	443		437		Remarks	Open tool for 10 mins first flow.		
Initial Flow Pres.	50		1 55		Closed for 30 mins. Reopen tool with a			
Final Flow Pres.	71		2 58		weak blow 15 mins and dead. Closed for			
Final Closed in Pres.	156		152		30 mins.			
Final Hydro Mud Pres.	1829		1841		No special reading adaptable.			

Legal Location: SE SW SE 30-11-16W
 Lease Name: EDIE
 Well No.: 1
 Test No.: 4
 Field Area:
 County: HAYS
 State: KANSAS
 Lease Owner/Company Name: HINKLE OIL COMPANY
 Owner's District: WICHITA

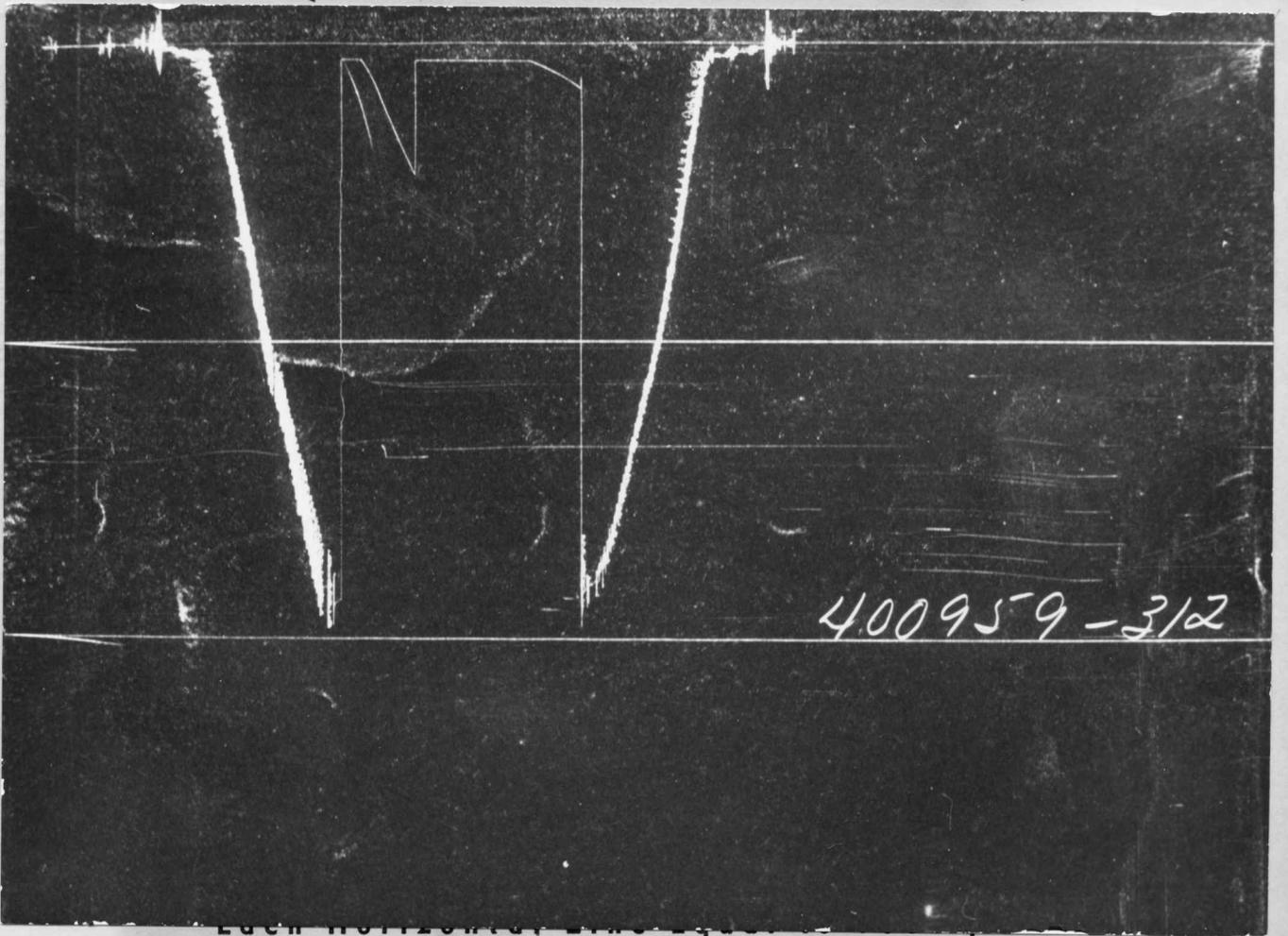
FORMATION TEST DATA

5



PRESSURE

TIME



400959-312