	1st Min.	2nd Min.
Flow Time	16	60
Closed In Press. Time	45	60
Pressure Readings	Field	Office Corrected
Depth Top Gauge	5625 Ft.	No Blanked Off
BT. P.R.D. No.	1605	12 Hour Clock
Initial Hydro Mud Pressure	2810	2811
Initial Closed in Pres.	2063	2048
Initial Flow Pres.	1 148 / 183	2 231
Final Flow Pres.	1 178 / 266	2 272
Final Closed in Pres.	2030	2018
Final Hydro Mud Pressure	2728	2776
Depth Cen. Gauge	5913 Ft.	Yes Blanked Off
BT. P.R.D. No.	1606	12 Hour Clock
Initial Hydro Mud Pres.	2975	2965
Initial Closed in Pres.	1735	1734
Initial Flow Pres.	1 832 / 333	2 397
Final Flow Pres.	1 773 / 433	2 413
Final Closed in Pres.	1010	987
Final Hydro Mud Pres.	2909	2911
Depth Bot. Gauge	Ft.	Blanked Off
BT. P.R.D. No.		Hour Clock
Initial Hydro Mud Pres.		
Initial Closed in Pres.		
Initial Flow Pres.	1 / 2	
Final Flow Pres.	1 / 2	
Final Closed in Pres.		
Final Hydro Mud Pres.		

Date	11-16-63	Ticket Number	368327 S
Kind of Job	OPEN HOLE	Halliburton District	LIBERAL
Tester	R. WHITE	Witness	BILL CABLE
Drilling Contractor	STICKLE DRLG. CO.		
Elevation	2333' KB	Top Packer	5638'
Total Depth	5917'	Bottom Packer	5710'
Interval Tested	5638-5710'	Formation Tested	Marrow
Casing or Hole Size	7 7/8"	Casing Perfs. Top / Bot.	
Surface Choke	1"	Bottom Choke	3/4"
Size & Kind Drill Pipe	4 1/2" FH	Drill Collars Above Tester (I.D. - LENGTH)	2 1/4" X 330'
Mud Weight	9.4	Mud Viscosity	43
Temperature 127 °F Actual (°F Est.)		Anchor Size & Length ID 3 3/4 / OD 5" X	56
Depths Mea. From	KB	Depth of Tester Valve	5615' Ft.
Cushion TYPE none AMOUNT Ft.		Depth Back Pres. Valve	5620' Ft.
Recovered	180 Feet of	Gassy Drlg. mud	
Recovered	630 Feet of	Gassy very slight distillate cut saltwater	
Recovered	Feet of		
Recovered	Feet of		
Oil A.P.I. Gravity		Water Spec. Gravity	
Gas Gravity		Surface Pressure	psi
Tool Opened	3:39 PM A.M. P.M.	Tool Closed	6:40 PM A.M. P.M.

Mea. From Tester Valve

Remarks Good blow, gas to the surface at 3:44 PM. Gauged 606,000 cu. ft at 3:50 PM. Closed in at 3:55, opened at 4:40 Gauged at 4:55, at 640,000, stabilized at 625,000 cu. ft. after 5:10 PM. Closed at 5:40 PM, off bottom at 6:40 PM.

Legal Location Sec. - Twp. - Rng. C SE NW 8 33 26

Field Area Mc Kinney

County Meade

State KANSAS

Lease Name BERRYMAN

Well No. 1

Test No. 1

Lease Owner/Company Name SUNRAY D X OIL COMPANY

Owner's District WICHITA, KS.

FORMATION TEST DATA

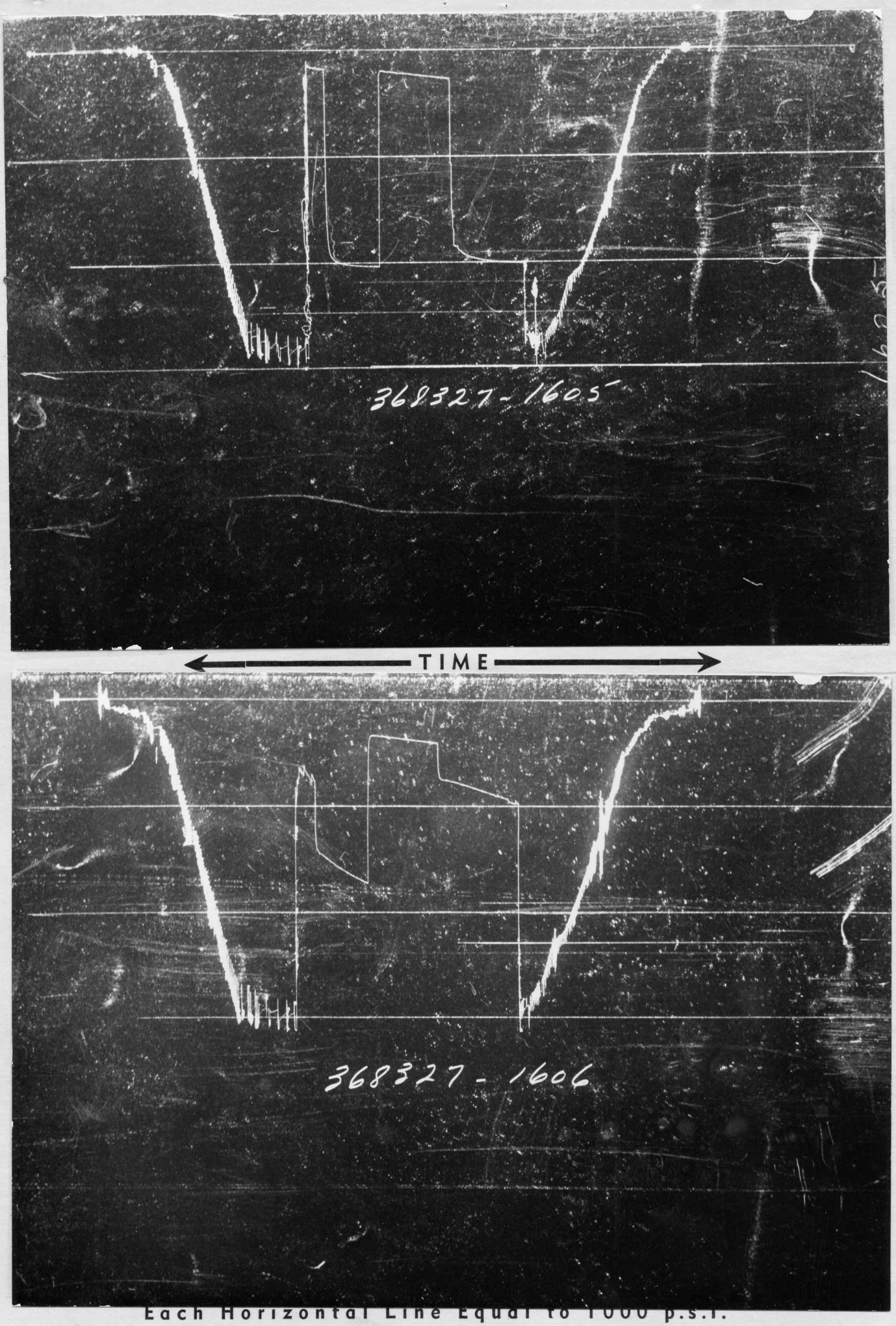
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Gauge No. 1605	Depth 5625	Clock 12 hour	Ticket No. 368327

	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	148	.000		178	.000	231	.000		272
P_1	.025	166	.0305		1955	.102	218	.041		1894
P_2	.050	168	.0610		2002	.204	236	.082		1941
P_3	.075	174	.0915		2020	.306	256	.123		1967
P_4	.100	178	.1220		2030	.408	272	.164		1984
P_5			.1525		2037			.205		1995
P_6			.1830		2040			.246		2005
P_7			.2135		2043			.287		2008
P_8			.2440		2045			.328		2013
P_9			.2745		2047			.369		2017
P_{10}			.3050		2048			.410		2018
Gauge No. 1606			Depth 5913			Clock 12 hour				
P_0	.000	832	.000		773	.000	397	.000		413
P_1	.110	773	.0304		1456	.099	357	.0465		765
P_2			.0608		1492	.198	377	.0930		781
P_3			.0912		1535	.297	395	.1395		806
P_4			.1216		1569	.396	413	.1860		827
P_5			.1520		1602			.2325		852
P_6			.1824		1630			.2790		878
P_7			.2128		1660			.3255		903
P_8			.2432		1686			.3720		928
P_9			.2736		1711			.4185		957
P_{10}			.3040		1734			.4650		987
Reading Interval		4	4.5			15		6		Minutes

REMARKS:

SPECIAL PRESSURE DATA



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

	1st Min.	2nd Min.
Flow Time	16	60
Closed In Press. Time	45	60
Pressure Readings	Field	Office Corrected
Depth Top Gauge	5595 Ft.	No Blanked Off
BT. P.R.D. No.	1605	12 Hour Clock
Initial Hydro Mud Pressure	2844	2814
Initial Closed in Pres.	2046	2028
Initial Flow Pres.	166	1 12* / 2 226
Final Flow Pres.	223	1 179 / 2 214
Final Closed in Pres.	1997	1992
Final Hydro Mud Pressure	2785	2776
Depth Cen. Gauge	5913 Ft.	Yes Blanked Off
BT. P.R.D. No.	1606	12 Hour Clock
Initial Hydro Mud Pres.	3108	3083
Initial Closed in Pres.	Blanked Off	
Initial Flow Pres.	1 / 2	
Final Flow Pres.	1 / 2	
Final Closed in Pres.		
Final Hydro Mud Pres.	3075	3083
Depth Bot. Gauge	Ft.	Blanked Off
BT. P.R.D. No.		Hour Clock
Initial Hydro Mud Pres.		
Initial Closed in Pres.		
Initial Flow Pres.	1 / 2	
Final Flow Pres.	1 / 2	
Final Closed in Pres.		
Final Hydro Mud Pres.		

Date	11-17-63	Ticket Number	368328 S
Kind of Job	OPEN HOLE	Halliburton District	LIBERAL
Tester	B. WHITE	Witness	W. S. CABLE
Drilling Contractor	STICKLE DRLG. CO.		
Elevation	2333' KB	Top Packer	5607'
Total Depth	5917'	Bottom Packer	5674'
Interval Tested	5607-5674'	Formation Tested	Marrow
Casing or Hole Size	7 7/8"	Casing Perfs. Top / Bot.	
Surface Choke	1"	Bottom Choke	3/4"
Size & Kind Drill Pipe	4 1/2"FH	Drill Collars Above Tester (I.D. - LENGTH)	2 1/4"X 330'
Mud Weight	9.4	Mud Viscosity	47
Temperature	°F Est. / 127 °F Actual	Anchor Size & Length	ID 3 3/4 / OD 5" X 58
Depths Mea. From	KB	Depth of Tester Valve	5590' Ft.
Cushion (TYPE / AMOUNT)	none Ft.	Depth Back Pres. Valve	5585' Ft.
Recovered	560 Feet of	Gas cut muddy saltwater	
Recovered	Feet of		
Recovered	Feet of		
Recovered	Feet of		
Oil A.P.I. Gravity		Water Spec. Gravity	
Gas Gravity		Surface Pressure	psi
Tool Opened	1:49 PM A.M. P.M.	Tool Closed	4:50 PM A.M. P.M.

Mea. From Tester Valve

Remarks Good blow, gas to the surface at 1:52, gauged at 2:00 PM at 640,000 cu ft. Closed for initial closed in at 2:05. Opened at 2:50, gauged at 2:55 at 734,000. slowly decreasing to 650,000 at 3:30. stabilized at 650,000. Took a 60 minute final closed in pressure. * Questionable.

Legal Location Sec. - Twp. - Rng. C SE NW 33 26

Lease Name G. BERRYMAN

Well No. 1

Test No. 2

Lease Owner/Company Name SUNRAY DX OIL COMPANY

Owner's District WICHITA

Field Area Wildcat

County MEADE

State KANSAS

FORMATION TEST DATA

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Gauge No. 1605	Depth 5595	Clock 12 hour	Ticket No. 368328

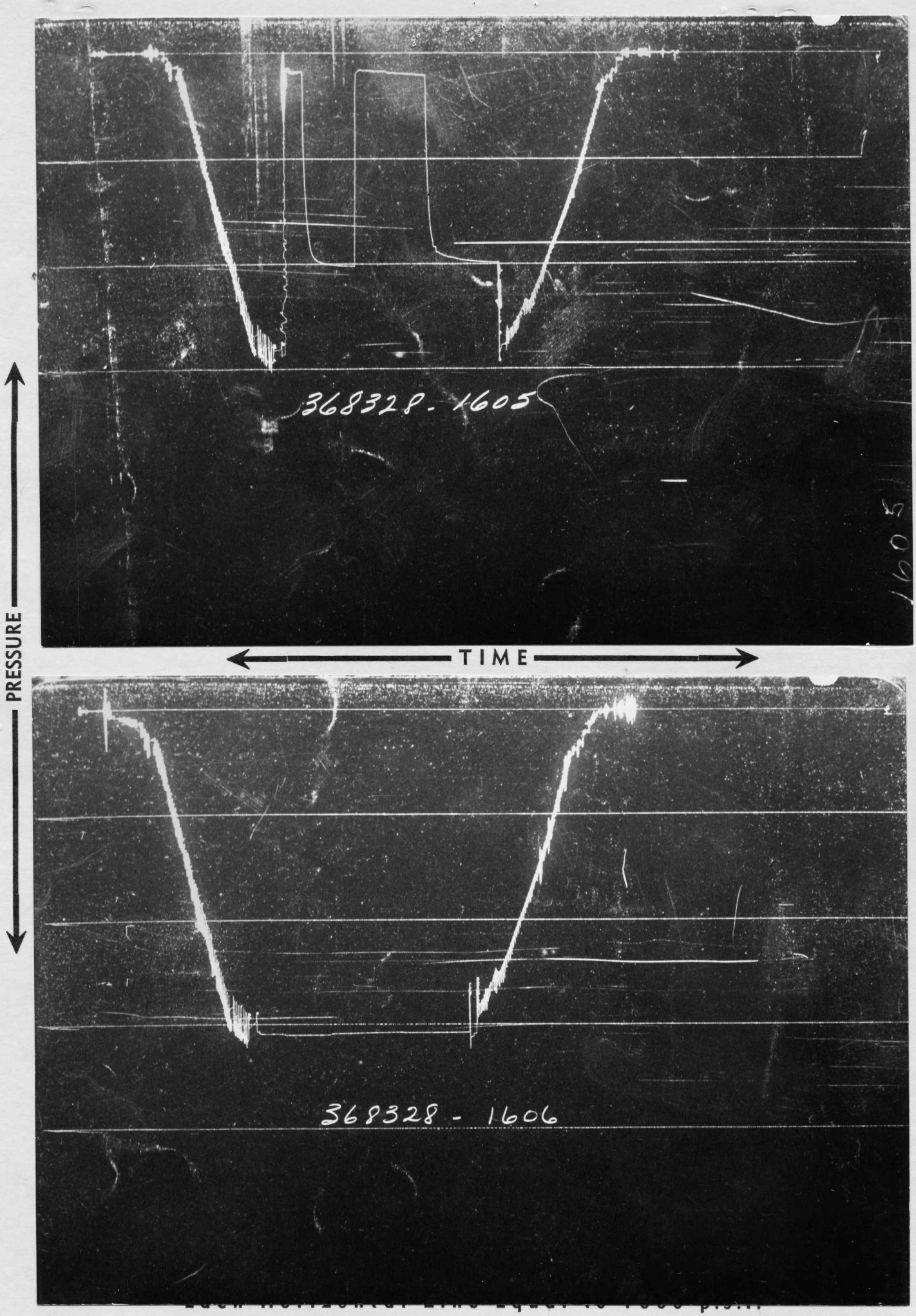
	First Flow Period		Initial Closed In Pressure			Second Flow Period		Final Closed In Pressure		
	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t+\theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t+\theta}{\theta}$	PSIG Temp. Corr.
P_0	.000	12*	.000		179	.000	226	.000		214
P_1	.105	179	.0295		1764	.101	173	.0412		1840
P_2			.0590		1949	.202	193	.0824		1911
P_3			.0885		1987	.303	201	.1236		1939
P_4			.1180		2003	.404	214	.1648		1951
P_5			.1475		2012			.2060		1967
P_6			.1770		2018			.2472		1975
P_7			.2065		2022			.2884		1982
P_8			.2360		2025			.3296		1987
P_9			.2656		2027			.3708		1992
P_{10}			.2950		2028			.4120		1992

Gauge No. 1606	Depth 5913	Clock 12 hour

P_0	BLANKED OFF:									
P_1										
P_2										
P_3										
P_4										
P_5										
P_6										
P_7										
P_8										
P_9										
P_{10}										
Reading Interval			4.5			15		6		Minutes

REMARKS: * Questionable.

SPECIAL PRESSURE DATA


368328-1605
1605
PRESSURE
TIME
368328 - 1606

	1st Min.	2nd Min.
Flow Time	20	60
Closed In Press. Time	45	60
Pressure Readings	Field	Office Corrected
Depth Top Gauge	5636 Ft.	no Blanked Off
BT. P.R.D. No.	1606	12 Hour Clock
Initial Hydro Mud Pressure	2843	2838
Initial Closed in Pres.	2048	2036
Initial Flow Pres.	1 141	1 322
	2	2 257
Final Flow Pres.	1 183	1 155
	2	2 180
Final Closed in Pres.	2015	2008
Final Hydro Mud Pressure	2843	2831
Depth Cen. Gauge	Ft.	Blanked Off
BT. P.R.D. No.		Hour Clock
Initial Hydro Mud Pres.		
Initial Closed in Pres.		
Initial Flow Pres.	1	
	2	
Final Flow Pres.	1	
	2	
Final Closed in Pres.		
Final Hydro Mud Pres.		
Depth Bot. Gauge	5913 Ft.	yes Blanked Off
BT. P.R.D. No.	1605	12 Hour Clock
Initial Hydro Mud Pres.	3309	3302
Initial Closed in Pres.		
Initial Flow Pres.	1	
	2	
Final Flow Pres.	1	
	2	
Final Closed in Pres.		
Final Hydro Mud Pres.	3176	3159

Date	11-19-63	Ticket Number	368329 S
Kind of Job	STRADDLE OPEN HOLE	Halliburton District	LIBERAL
Tester	R. WHITE	Witness	DOYLE FAIR W.S. CABLE
Drilling Contractor	STICKLE DRILLING COMPANY		
Elevation	2333' KB	Top Packer	5648
Total Depth	5917'	Bottom Packer	5664'
Interval Tested	5648' - 5664'	Formation Tested	Morrow
Casing or Hole Size	7 7/8"	Casing Perfs. Top / Bot.	
Surface Choke	1"	Bottom Choke	3/4 "
Size & Kind Drill Pipe	4 ½" FH	Drill Collars Above Tester (I.D. - LENGTH)	2 ¼" x 330'
Mud Weight	9.4	Mud Viscosity	47
Temperature	127 °F Est. / °F Actual	Anchor Size & Length	ID 3 3/4" OD 5" X 12'
Depths Mea. From	Kelly Bushing	Depth of Tester Valve	5631 Ft.
Cushion (TYPE / AMOUNT)	none Ft.	Depth Back Pres. Valve	5626 Ft.
Recovered	90 Feet of gas cut muddy salt water.		
Recovered	375 Feet of gas cut salt water.		
Recovered	Feet of		
Recovered	Feet of		
Oil A.P.I. Gravity		Water Spec. Gravity	
Gas Gravity		Surface Pressure	psi
Tool Opened	10:02 A.M. A.M. / P.M.	Tool Closed	1:07 P.M. A.M. / P.M.

Mea. From Tester Valve

Remarks Tool opened for a 20 minute first flow with a good blow. Gas to surface @ 10:05. Closed tool @ 10:22 for a 45 minute initial closed in pressure. Reopened tool @ 11:02 for a 60 minute second flow. Gauged @ 11:12 at 7.75,000 Cu.Ft. decreasing to 648,000 Cu.Ft. at 11:35. Stabilized @ 648,000 Cu.Ft. Closed tool @ 12:07 for 60 minute FCIP. Off bottom @ 1:07 P.M.

Legal Location Sec. - Twp. - Rng.: C SE NW 8 33 26

Lease Name: BERRYMAN

Well No.: 1

Test No.: 3

Lease Owner/Company Name: SUNRAY DX OIL COMPANY

Field Area: WILDCAT

County: MEADE

State: KANSAS

Owner's District: WICHITA

FORMATION TEST DATA

Gauge No. 1606	Depth 5636'	Clock 12 hour	Ticket No. 368329

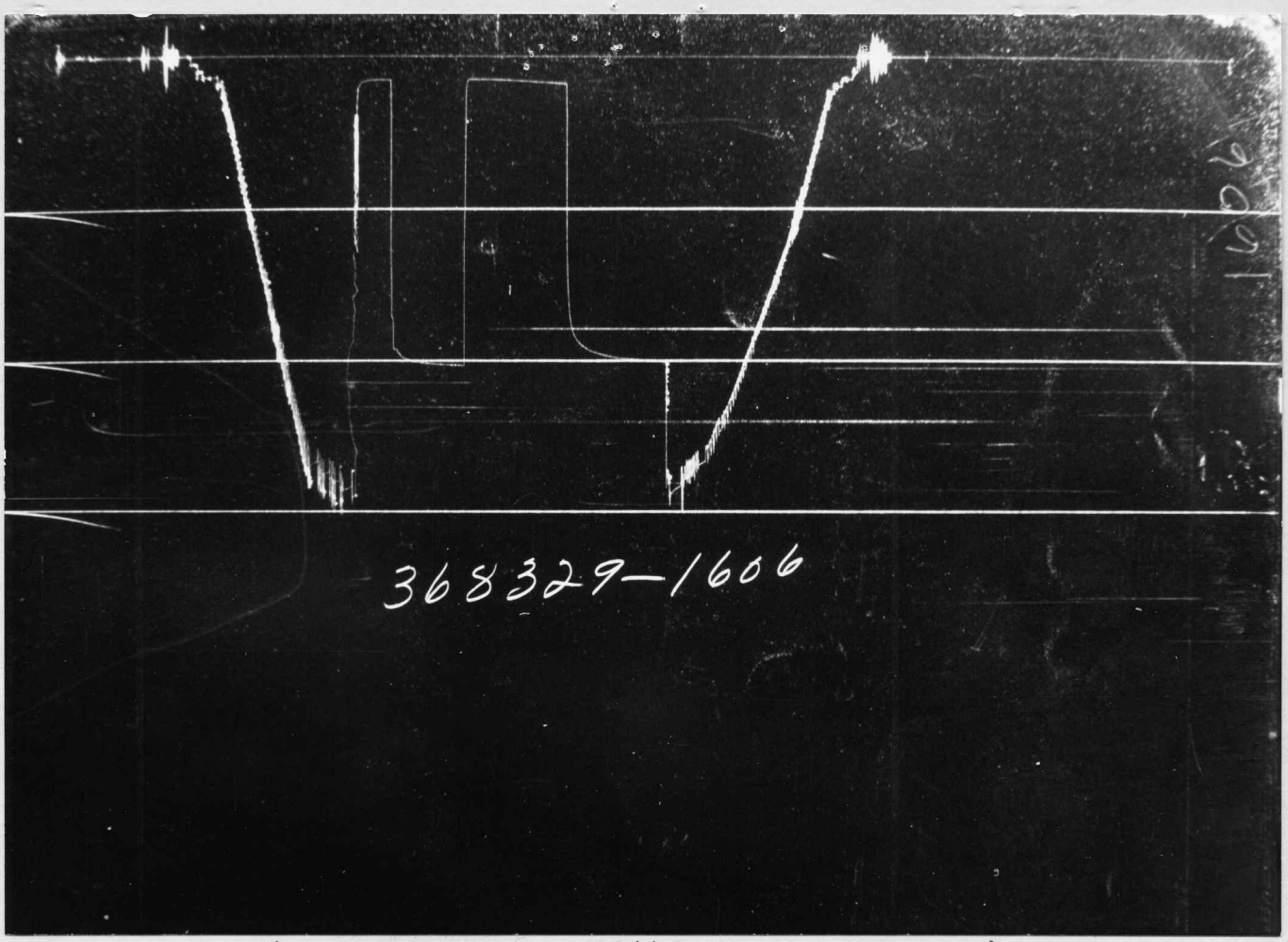
	First Flow Period		Initial Closed In Pressure			Second Flow Period		Final Closed In Pressure		
	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t+\Theta}{\Theta}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t+\Theta}{\Theta}$	PSIG Temp. Corr.
P_0	.000	322	.000		155	.000	257	.000		180
P_1	.0272	167	.030		1936	.101	152	.0403		1855
P_2	.0544	157	.060		1988	.202	158	.0806		1921
P_3	.0816	153	.090		2008	.303	168	.1209		1952
P_4	.1088	155	.120		2017	.404	180	.1612		1969
P_5	.1360	155	.150		2023			.2015		1982
P_6			.180		2026			.2418		1990
P_7			.210		2030			.2821		1997
P_8			.240		2033			.3224		2002
P_9			.270		2035			.3627		2005
P_{10}			.300		2036			.4030		2008

Gauge No. 1605	Depth 5913'	Clock 12 hour

P_0										
P_1										
P_2	BLANKED OFF									
P_3										
P_4										
P_5										
P_6										
P_7										
P_8										
P_9										
P_{10}										
Reading Interval	4			4.5			15		6	Minutes

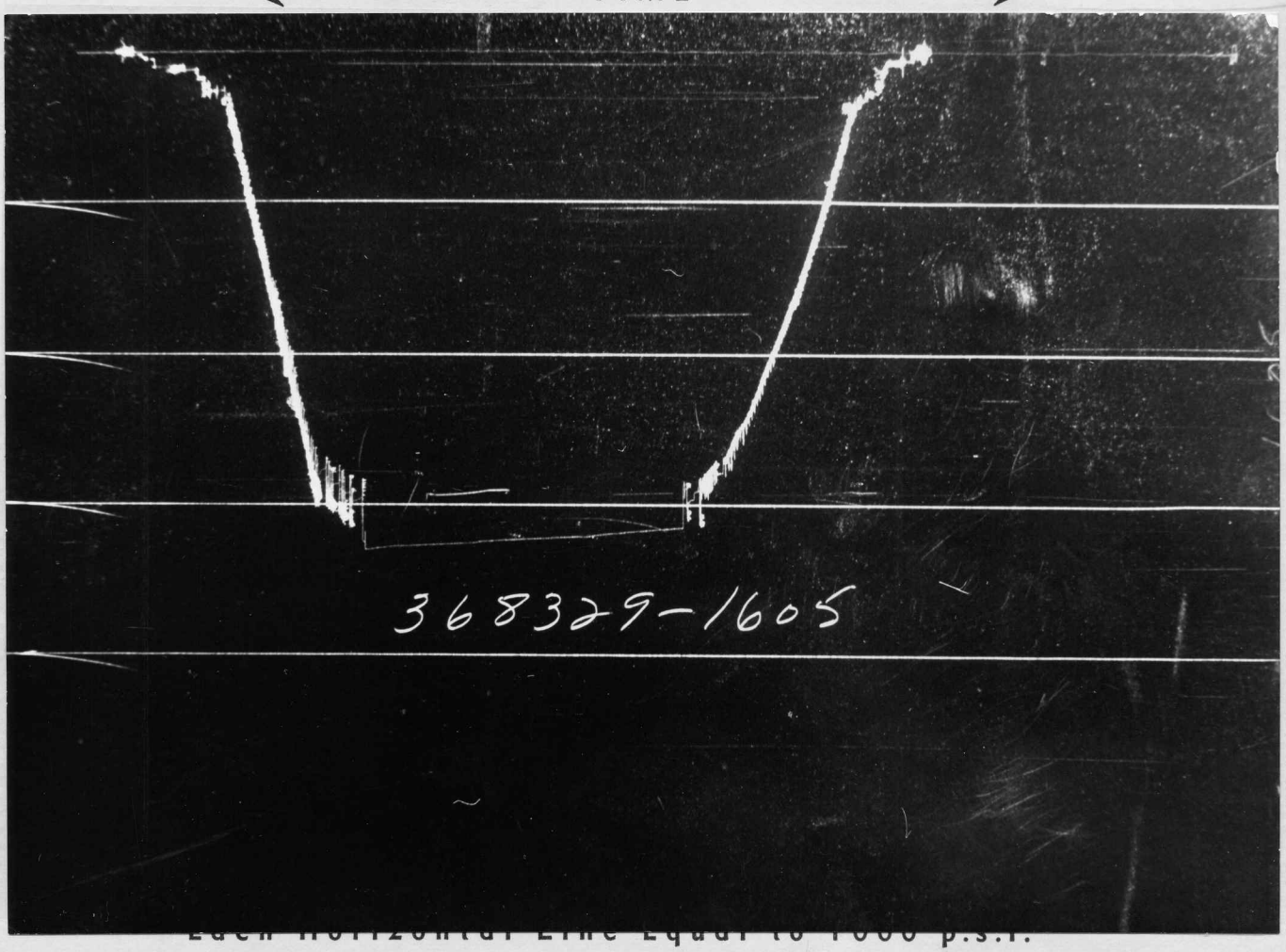
REMARKS:

SPECIAL PRESSURE DATA



PRESSURE

TIME



Each horizontal line equal to 1000 p.s.i.