

LAIRD
 Lease Name
 1
 Well No.
 1
 Test No.
 4151' - 4173'
 Tested Interval
 MALLOUEF-MAHONEY, INCORPORATED
 Lease Owner/Company Name
 Legal Location
 Sec. - Twp. - Rng. C-NW-NW 30 - 28S - 33W
 Field Area
 N. W. SUBLETTE
 County
 HASKELL
 State
 KANSAS

FLUID SAMPLE DATA

Sampler Pressure _____ P.S.I.G. at Surface
 Recovery: Cu. Ft. Gas _____
 cc. Oil _____
 cc. Water _____
 cc. Mud _____
 Tot. Liquid cc. _____
 Gravity 33.7 ° API @ 60 °F.
 Gas/Oil Ratio _____ cu. ft./bbl.

RESISTIVITY CHLORIDE CONTENT
 Recovery Water .09 @ 75 °F. 69,000 ppm
 Recovery Mud _____ @ _____ °F. _____ ppm
 Recovery Mud Filtrate _____ @ _____ °F. _____ ppm
 Mud Pit Sample _____ @ _____ °F. _____ ppm
 Mud Pit Sample Filtrate .19 @ 75 °F. 19,000 ppm
 Mud Weight 9.7 vis 41 cp

TYPE AMOUNT
 Cushion _____ Depth Back _____ Surface _____ Bottom _____
 Ft. Pres. Valve Choke Choke

Recovered 2115 Feet of Gas in pipe
 Recovered 710 Feet of Clean gassy oil
 Recovered 90 Feet of Muddy oil
 Recovered 185 Feet of Oil cut muddy water
 Recovered _____ Feet of _____

Remarks See production test data sheet.

TEMPERATURE	Gauge No. 1605		Gauge No. 1606		Gauge No.		TIME
	Depth:	Ft.	Depth:	Ft.	Depth:	Ft.	
Est. °F.	<u>12</u> Hour Clock		<u>12</u> Hour Clock		<u>Blanked Off</u>		Tool _____ A.M.
	<u>Blanked Off</u> No		<u>Blanked Off</u> Yes		<u>Blanked Off</u>		Opened <u>3:36</u> P.M.
Actual <u>110</u> °F.	Pressures		Pressures		Pressures		Tool _____ A.M.
	Field	Office	Field	Office	Field	Office	Closed <u>6:06</u> P.M.
Initial Hydrostatic	<u>2074</u>	<u>2043</u>	<u>2082</u>	<u>2067</u>			Reported _____
Flow Initial	<u>49</u>	<u>23</u>	<u>49</u>	<u>51</u>			Computed _____
Flow Final	<u>249</u>	<u>257</u>	<u>264</u>	<u>274</u>			Minutes _____
Closed in	<u>974</u>	<u>997</u>	<u>987</u>	<u>1015</u>			_____
Flow Initial	<u>266</u>	<u>280</u>	<u>280</u>	<u>300</u>			<u>30</u> <u>30</u>
Flow Final	<u>365</u>	<u>369</u>	<u>379</u>	<u>386</u>			<u>45</u> <u>45</u>
Closed in	<u>974</u>	<u>979</u>	<u>987</u>	<u>998</u>			_____
Flow Initial							<u>30</u> <u>30</u>
Flow Final							<u>45</u> <u>45</u>
Closed in							_____
Final Hydrostatic	<u>2041</u>	<u>2025</u>	<u>2066</u>	<u>2046</u>			_____

FORMATION TEST DATA

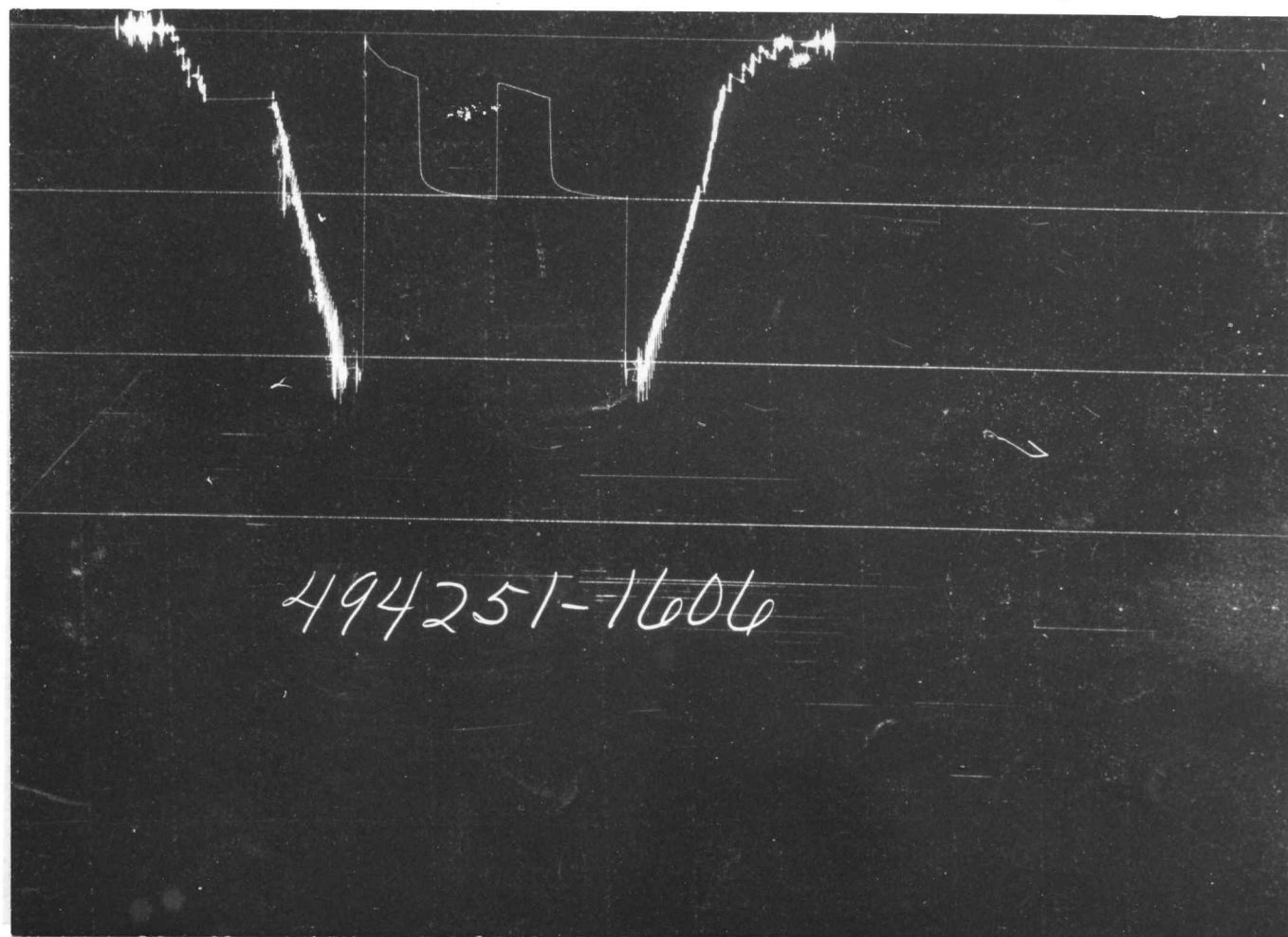
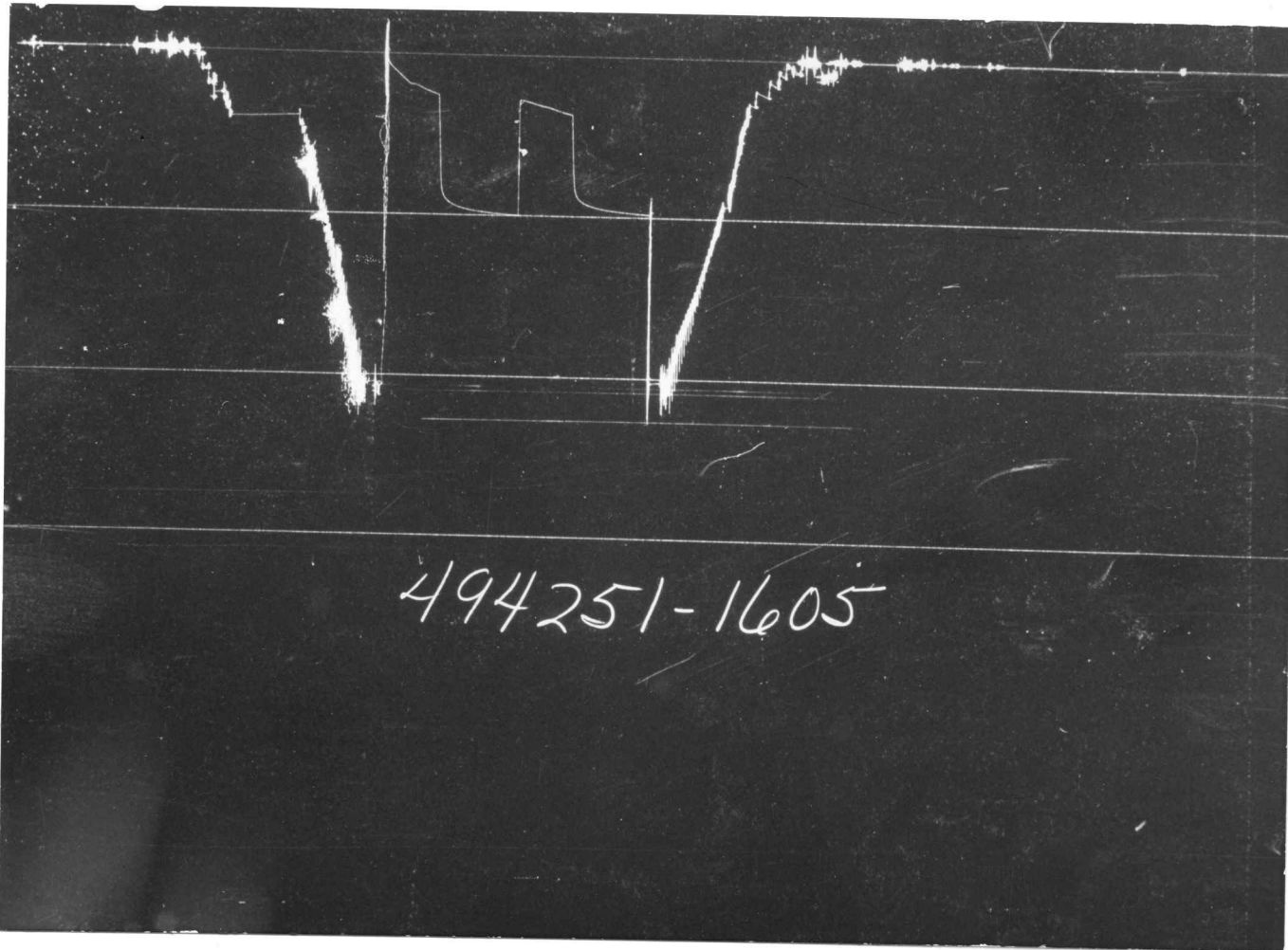
LITTLE'S

Casing perms. _____ Bottom choke 3/4" Surf. temp. 70 °F Ticket No. 494251
Gas gravity _____ Oil gravity 35 @ 73° GOR _____
Spec. gravity 1.075 Chlorides 69,000 ppm Res. .09 @ 75 °F

[illegible]



	O. D.	I. D.	LENGTH	DEPTH
Reversing Sub	6"	3.8"	1'	
Water Cushion Valve				
Drill Pipe	4 1/2"	3.826"	3598'	
Drill Collars	6"	2.25"	540'	
Handling Sub & Choke Assembly				
Dual CIP Valve	5"	.87"	6'	
Dual CIP Sampler				
Hydro-Spring Tester	5"	.75"	5'	4127'
Multiple CIP Sampler				
Extension Joint				
AP Running Case	5"	3.06"	4'	4128'
Hydraulic Jar	5"	1.75"	5'	
VR Safety Joint	5"	1"	3'	
Pressure Equalizing Crossover				
Packer Assembly	6 3/4"	1.53"	6'	4146'
Distributor				
Packer Assembly	6 3/4"	1.53"	6'	4151'
Flush Joint Anchor	5"	2.37"	17'	
Pressure Equalizing Tube				
Blanked-Off B.T. Running Case				
Drill Collars				
Anchor Pipe Safety Joint				
Packer Assembly				
Packer Assembly				
Anchor Pipe Safety Joint				
Side Wall Anchor				
Drill Collars				
Flush Joint Anchor				
Blanked-Off B.T. Running Case	5"	2.44"	4'	4169'



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

FLUID SAMPLE DATA				Date 6-13-72		Ticket Number 494252	
Sampler Pressure _____ P.S.I.G. at Surface Recovery: Cu. Ft. Gas _____ cc. Oil _____ cc. Water _____ cc. Mud _____ Tot. Liquid cc. _____ Gravity _____ ° API @ _____ ° F. Gas/Oil Ratio _____ cu. ft./bbl.				Kind of Job OPEN HOLE		Halliburton District LIBERAL	
				Tester MR. SHAUERS		Witness MR. MAHONEY	
				Drilling Contractor SERVICE DRILLING RIG #9		BC S	
EQUIPMENT & HOLE DATA							
				Formation Tested Lansing			
				Elevation 2988' KB Ft.			
				Net Productive Interval 15' Approximately Ft.			
				All Depths Measured From Kelly Bushing			
				Total Depth 4500' Ft.			
				Main Hole/Casing Size 7 7/8"			
				Drill Collar Length 480' I.D. 2.25"			
				Drill Pipe Length 3885' I.D. 3.826"			
				Packer Depth(s) 4395' - 4400' Ft.			
				Depth Tester Valve 4376' Ft.			
TYPE		AMOUNT		Depth Back		Surface	
Cushion				Ft. Pres. Valve		Choke 1/4"	
Recovered		1300		Feet of Gas in pipe			
Recovered		92		Feet of Froggy oil			
Recovered		100		Feet of Very heavily oil and gas cut mud			
Recovered		92		Feet of Heavily oil and gas cut mud			
Recovered		276		Feet of Oil and gas cut mud			
Remarks See production test data sheet.							
560							
TEMPERATURE		Gauge No. 1605		Gauge No. 1606		Gauge No.	
		Depth: 4377' Ft.		Depth: 4496' Ft.		Depth: Ft.	
		12 Hour Clock		12 Hour Clock		Hour Clock	
Est. °F.		Blanked Off No		Blanked Off Yes		Blanked Off	
Actual 112 °F.		Pressures		Pressures		Pressures	
		Field	Office	Field	Office	Field	Office
First Period	Initial Hydrostatic	2256	2199	2279	2258		
	Flow Initial	49	20	82	81		
	Flow Final	199	196	247	251		
Second Period	Closed in	1236	221	1263	1274		
	Flow Initial	216	213	264	271		
	Flow Final	282	281	313	337		
Third Period	Closed in	1203	1193	1231	1246		
	Flow Initial						
	Flow Final						
Final Hydrostatic		2240	2175	2263	2230		

Legal Location Sec. - Twp. - Rng. C-NW-NW 30 - 28S - 33W

LAIRD 1 2 4400' - 4500' MAJLOUE-MAHONEY, INCORPORATED
 Lease Name Well No. Test No. Tested Interval County State KANSAS
 Field Area N.W. SUBLETTE
 Meas. From Tester Valve

Date	Time	Choke Size	Surface Pressure psi	Gas Rate MCF	Liquid Rate BPD	Remarks
6-13-72	a.m.					
	p.m.					

[illegible]

Gauge No. 1605				Depth 4377'				Clock No. 2596				12 hour				Ticket No. 494252							
First Flow Period				First Closed In Pressure				Second Flow Period				Second Closed In Pressure				Third Flow Period				Third Closed In Pressure			
Time Defl. .000"	PSIG Temp. Corr.	Log $t + \frac{\theta}{\theta}$	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Log $t + \frac{\theta}{\theta}$	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Log $t + \frac{\theta}{\theta}$	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Log $t + \frac{\theta}{\theta}$	Time Defl. .000"	PSIG Temp. Corr.				
0	.0000	20	.0000	196	.0000	213	.0000	.0000	281	.0000													
1	.0340	70	.0268	913	.0407	228*	.0341	.0341	990 **	.0341													
2	.0680	105	.0536	1077	.0746	228	.0614	.0614	1075	.0614													
3	.1020	131	.0805	1128	.1085	234	.0887	.0887	1111	.0887													
4	.1360	153	.1073	1156	.1424	244	.1160	.1160	1134	.1160													
5	.1700	176	.1341	1174	.1763	252	.1433	.1433	1148	.1433													
6	.2040	196	.1609	1189	.2102	261	.1706	.1706	1162	.1706													
7			.1877	1198	.2441	267	.1979	.1979	1170	.1979													
8			.2146	1207	.2780	276	.2252	.2252	1177	.2252													
9			.2414	1211	.3120	281	.2525	.2525	1184	.2525													
10			.2682	1218			.2798	.2798	1189	.2798													
11			.2950	1221			.3070	.3070	1193	.3070													
12																							
13																							
14																							
15																							

Gauge No. 1606				Depth 4496'				Clock No. 3230				12 hour			
Time Defl. .000"	PSIG Temp. Corr.	Log $t + \frac{\theta}{\theta}$	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Log $t + \frac{\theta}{\theta}$	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Log $t + \frac{\theta}{\theta}$	Time Defl. .000"	PSIG Temp. Corr.	
0	.0000	81	.0000	251	.0000	271	.0000	.0000	337	.0000					
1	.0328	127	.0265	970	.0402	284*	.0337	.0337	1042**	.0337					
2	.0657	162	.0529	1124	.0737	284	.0606	.0606	1129	.0606					
3	.0985	186	.0794	1178	.1072	289	.0875	.0875	1166	.0875					
4	.1313	210	.1058	1205	.1407	297	.1144	.1144	1187	.1144					
5	.1642	233	.1323	1225	.1742	307	.1413	.1413	1202	.1413					
6	.1970	251	.1587	1238	.2077	315	.1682	.1682	1213	.1682					
7			.1852	1249	.2412	323	.1951	.1951	1222	.1951					
8			.2116	1257	.2747	330	.2220	.2220	1230	.2220					
9			.2381	1264	.3080	337	.2489	.2489	1236	.2489					
10			.2645	1269			.2758	.2758	1241	.2758					
11			.2910	1274			.3030	.3030	1246	.3030					
12															
13															
14															
15															

Gauge No. 1606				Depth 4496'				Clock No. 3230				12 hour			
Time Defl. .000"	PSIG Temp. Corr.	Log $t + \frac{\theta}{\theta}$	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Log $t + \frac{\theta}{\theta}$	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Log $t + \frac{\theta}{\theta}$	Time Defl. .000"	PSIG Temp. Corr.	
0	.0000	81	.0000	251	.0000	271	.0000	.0000	337	.0000					
1	.0328	127	.0265	970	.0402	284*	.0337	.0337	1042**	.0337					
2	.0657	162	.0529	1124	.0737	284	.0606	.0606	1129	.0606					
3	.0985	186	.0794	1178	.1072	289	.0875	.0875	1166	.0875					
4	.1313	210	.1058	1205	.1407	297	.1144	.1144	1187	.1144					
5	.1642	233	.1323	1225	.1742	307	.1413	.1413	1202	.1413					
6	.1970	251	.1587	1238	.2077	315	.1682	.1682	1213	.1682					
7			.1852	1249	.2412	323	.1951	.1951	1222	.1951					
8			.2116	1257	.2747	330	.2220	.2220	1230	.2220					
9			.2381	1264	.3080	337	.2489	.2489	1236	.2489					
10			.2645	1269			.2758	.2758	1241	.2758					
11			.2910	1274			.3030	.3030	1246	.3030					
12															
13															
14															
15															

Gauge No. 1606				Depth 4496'				Clock No. 3230				12 hour			
Time Defl. .000"	PSIG Temp. Corr.	Log $t + \frac{\theta}{\theta}$	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Log $t + \frac{\theta}{\theta}$	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Log $t + \frac{\theta}{\theta}$	Time Defl. .000"	PSIG Temp. Corr.	
0	.0000	81	.0000	251	.0000	271	.0000	.0000	337	.0000					
1	.0328	127	.0265	970	.0402	284*	.0337	.0337	1042**	.0337					
2	.0657	162	.0529	1124	.0737	284	.0606	.0606	1129	.0606					
3	.0985	186	.0794	1178	.1072	289	.0875	.0875	1166	.0875					
4	.1313	210	.1058	1205	.1407	297	.1144	.1144	1187	.1144					
5	.1642	233	.1323	1225	.1742	307	.1413	.1413	1202	.1413					
6	.1970	251	.1587	1238	.2077	315	.1682	.1682	1213	.1682					
7			.1852	1249	.2412	323	.1951	.1951	1222	.1951					
8			.2116	1257	.2747	330	.2220	.2220	1230	.2220					
9			.2381	1264	.3080	337	.2489	.2489	1236	.2489					
10			.2645	1269			.2758	.2758	1241	.2758					
11			.2910	1274			.3030	.3030	1246	.3030					
12															
13															
14															
15															

Gauge No. 1606				Depth 4496'				Clock No. 3230				12 hour			
Time Defl. .000"	PSIG Temp. Corr.	Log $t + \frac{\theta}{\theta}$	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Log $t + \frac{\theta}{\theta}$	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Log $t + \frac{\theta}{\theta}$	Time Defl. .000"	PSIG Temp. Corr.	
0	.0000	81	.0000	251	.0000	271	.0000	.0000	337	.0000					
1	.0328	127	.0265	970	.0402	284*	.0337	.0337	1042**	.0337					
2	.0657	162	.0529	1124	.0737	284	.0606	.0606	1129	.0606					
3	.0985	186	.0794	1178	.1072	289	.0875	.0875	1166	.0875					
4	.1313	210	.1058	1205	.1407	297	.1144	.1144	1187	.1144					
5	.1642	233	.1323	1225	.1742	307	.1413	.1413	1202	.1413					
6	.1970	251	.1587	1238	.2077	315	.1682	.1682	1213	.1682					
7			.1852	1249	.2412	323	.1951	.1951	1222	.1951					
8			.2116	1257	.2747	330	.2220	.2220	1230	.2220					
9			.2381	1264	.3080	337	.2489	.2489	1236	.2489					
10			.2645	1269			.2758	.2758	1241	.2758					
11			.2910	1274			.3030	.3030	1246	.3030					
12															
13															
14															
15															

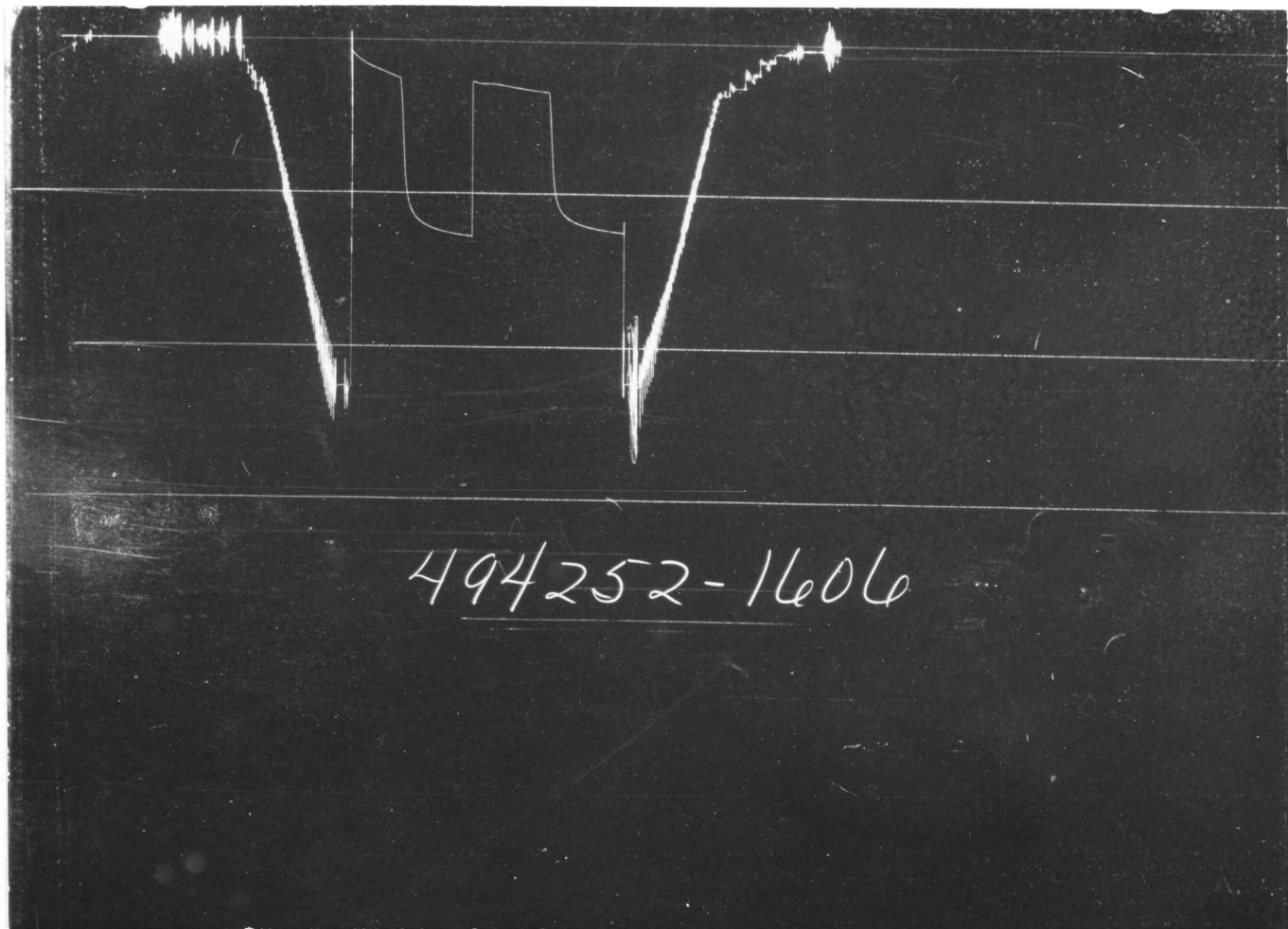
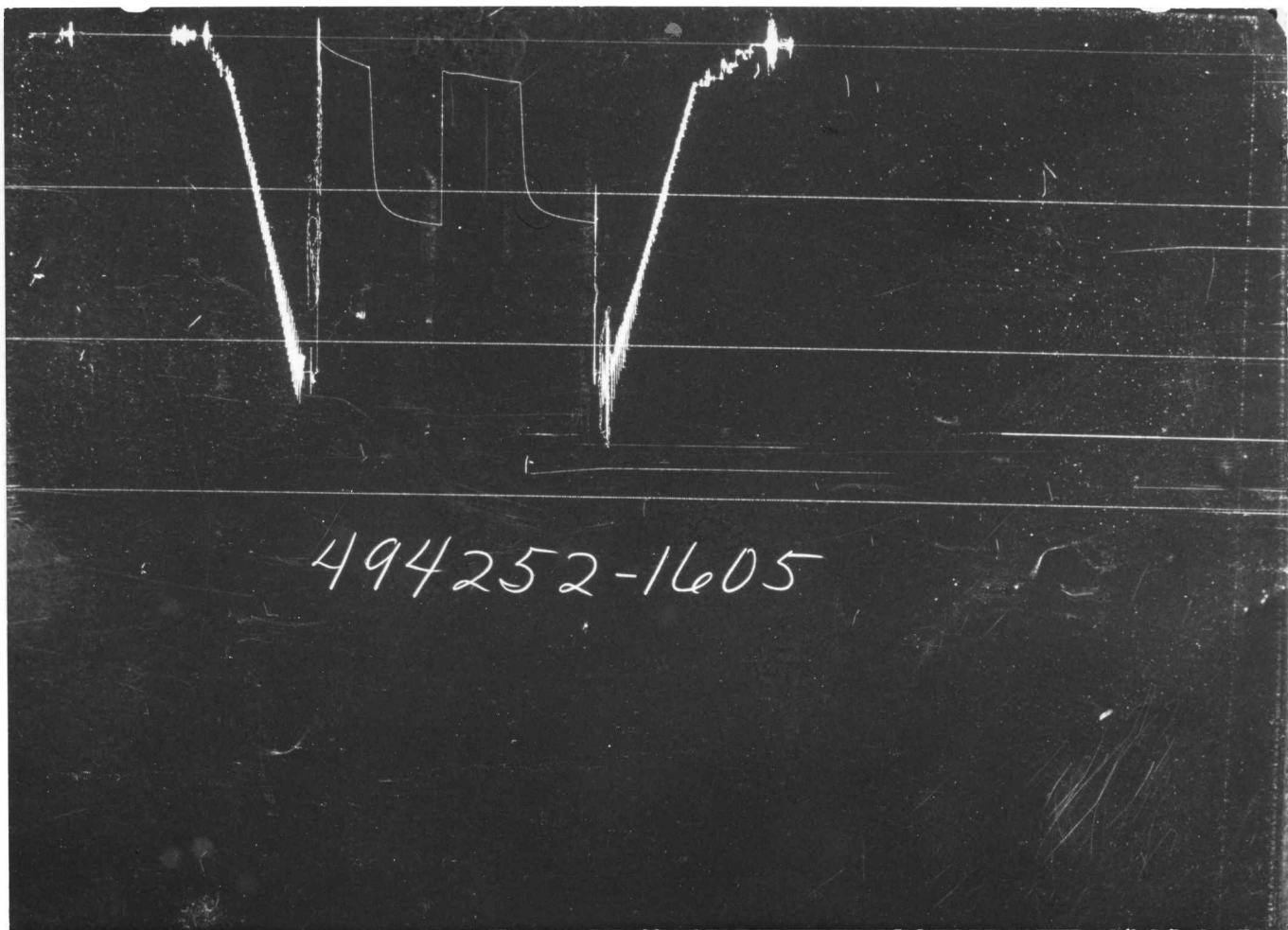
Gauge No. 1606				Depth 4496'				Clock No. 3230				12 hour			
Time Defl. .000"	PSIG Temp. Corr.	Log $t + \frac{\theta}{\theta}$	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Log $t + \frac{\theta}{\theta}$	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Log $t + \frac{\theta}{\theta}$	Time Defl. .000"	PSIG Temp. Corr.	
0	.0000	81	.0000	251	.0000	271	.0000	.0000	337	.0000					
1	.0328	127	.0265	970	.0402	284*	.0337	.0337	1042**	.0337					
2	.0657	162	.0529	1124	.0737	284	.0606	.0606	1129	.0606					
3	.0985	186	.0794	1178	.1072	289	.0875	.0875	1166	.0875					
4	.1313	210	.1058	1205	.1407	297	.1144	.1144	1187	.1144					
5	.1642	233	.1323	1225	.1742	307	.1413	.1413	1202	.1413					
6	.1970	251	.1587	1238	.2077	315	.1682	.1682	1213	.1682					
7			.1852	1249	.2412	323	.1951	.1951	1222	.1951					
8			.2116	1257	.2747	330	.2220	.2220	1230	.2220					
9			.2381	1264	.3080	337	.2489	.2489	1236	.2489					
10			.2645	1269			.2758	.2758	1241	.2758					
11			.2910	1274			.3030	.3030	1246	.3030					
12															
13															
14															
15															

Gauge No. 1606				Depth 4496'				Clock No. 3230				12 hour			
Time Defl. .000"	PSIG Temp. Corr.	Log $t + \frac{\theta}{\theta}$	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Log $t + \frac{\theta}{\theta}$	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Log $t + \frac{\theta}{\theta}$	Time Defl. .000"	PSIG Temp. Corr.	
0	.0000	81	.0000	251	.0000	271	.0000	.0000	337	.0000					
1	.0328	127	.0265	970	.0402										

494252

	O. D.	I. D.	LENGTH	DEPTH
Reversing Sub	6"	3.8"	1'	
Water Cushion Valve				
Drill Pipe	4½"	3.826"	3885'	
Drill Collars	6"	2.25"	480'	
Handling Sub & Choke Assembly				
Dual CIP Valve	5"	.87"	6'	
Dual CIP Sampler				
Hydro-Spring Tester	5"	.75"	5'	4376'
Multiple CIP Sampler				
Extension Joint				
AP Running Case	5"	3.06"	4'	4377'
Hydraulic Jar	5"	1.75"	5'	
VR Safety Joint	5"	1"	3'	
Pressure Equalizing Crossover				
Packer Assembly	6 3/4"	1.53"	6'	4395'
Distributor				
Packer Assembly	6 3/4"	1.53"	6'	4400'
Flush Joint Anchor	5"	2.37"	19'	
Pressure Equalizing Tube				
Blanked-Off B.T. Running Case				
Drill Collars	6"	2.25"	60'	
Anchor Pipe Safety Joint				
Packer Assembly				
Packer Assembly				
Anchor Pipe Safety Joint				
Side Wall Anchor				
Drill Collars				
Flush Joint Anchor	5"	2.37"	13'	
Blanked-Off B.T. Running Case	5"	2.44"	4'	4496'

PRESSURE



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

LAIRD
 Lease Name
 C-NW-NW - 30 - 28 - 33
 Well No. 1
 Test No. 3
 Field Area EUBANK
 County HASKELL
 State KANSAS
 Legal Location
 Sec. - Twp. - Rng.
 4718' - 4740'
 Tested Interval
 MALLONEE - MAHONEY, INCORPORATED
 Lease Owner/Company Name

FLUID SAMPLE DATA

Sampler Pressure _____ P.S.I.G. at Surface
 Recovery: Cu. Ft. Gas _____
 cc. Oil _____
 cc. Water _____
 cc. Mud _____
 Tot. Liquid cc. _____
 Gravity 36.8 ° API @ 60 ° F.
 Gas/Oil Ratio _____ cu. ft./bbl.

RESISTIVITY _____ CHLORIDE CONTENT _____
 Recovery Water _____ @ _____ ° F. _____ ppm
 Recovery Mud _____ @ _____ ° F. _____ ppm
 Recovery Mud Filtrate _____ @ _____ ° F. _____ ppm
 Mud Pit Sample _____ @ _____ ° F. _____ ppm
 Mud Pit Sample Filtrate 29 @ 75 ° F. 12,000 ppm
 Mud Weight 9.3 vis 37 cp

Date 6-14-72 Ticket Number 494253
 Kind of Job OPEN HOLE Halliburton District LIBERAL
 Tester SHAUERS Witness MAHONEY
 Drilling Contractor SERVICE DRILLING COMPANY RIG # 9 NM S

EQUIPMENT & HOLE DATA
 Formation Tested 4718' - 4740'
 Elevation 2988' K.B. _____ Ft.
 Net Productive Interval Approx. 5' _____ Ft.
 All Depths Measured From Kelly Bushing
 Total Depth 4740' _____ Ft.
 Main Hole/Casing Size 7 7/8"
 Drill Collar Length 540' I.D. 2.25"
 Drill Pipe Length 4143' I.D. 3.826"
 Packer Depth(s) 4713' - 4718' _____ Ft.
 Depth Tester Valve 4697' _____ Ft.

TYPE NONE AMOUNT _____ Depth Back _____ Surface Choke 1/4" & 3/4" Bottom Choke 3/4"
 Cushion _____ Ft. Pres. Valve NONE

Recovered 150' Feet of gassy muddy oil
 Recovered 180' Feet of clean gassy oil...
 Recovered _____ Feet of
 Recovered _____ Feet of
 Recovered _____ Feet of

Remarks SEE PRODUCTION TEST DATA SHEET...

UNABLE TO OBTAIN A PLOT OF THE BUILDUP CURVES DUE TO INSUFFICIENT CLOSURE.
 NO CALCULATION.

TEMPERATURE		Gauge No. 1605		Gauge No. 1606		Gauge No.		TIME	
Depth: 4698' Ft.		Depth: 4736' Ft.		Depth: Ft.		Hour Clock		Tool A.M.	
Est.	°F.	Blanked Off NO		Blanked Off YES		Blanked Off		Opened 4:45 P.M.	
Actual 113°F.		Pressures		Pressures		Pressures		Tool A.M.	
		Field	Office	Field	Office	Field	Office	Reported	Computed
Initial Hydrostatic		2389	2369	2395	2395			Minutes	Minutes
First Period	Flow Initial	33	30	49	45				
	Flow Final	83	78	99	86				
	Closed in	1252	1275	1264	1283			45	44
Second Period	Flow Initial	83	126	99	120			45	45
	Flow Final	100	128	115	135				
	Closed in	1203	1223	1215	1235			45	46
Third Period	Flow Initial							45	45
	Flow Final								
	Closed in								
Final Hydrostatic		2372	2343	2378	2359				

PRINTED IN U.S.A.

FORMATION TEST DATA

LITTLE'S

5

Gauge No.			1605			Depth			4698'			Clock No.			2695			12			hour			Ticket No.			494253							
First Flow Period			Closed In Pressure			Second Flow Period			Closed In Pressure			Third Flow Period			Closed In Pressure			Third Flow Period			Closed In Pressure			Third Flow Period			Closed In Pressure							
	Time Defl. .000"	PSIG Temp. Corr.		Time Defl. .000"	$\log \frac{t + \theta}{\theta}$		Time Defl. .000"	PSIG Temp. Corr.		Time Defl. .000"	$\log \frac{t + \theta}{\theta}$		Time Defl. .000"	PSIG Temp. Corr.		Time Defl. .000"	$\log \frac{t + \theta}{\theta}$		Time Defl. .000"	PSIG Temp. Corr.		Time Defl. .000"	$\log \frac{t + \theta}{\theta}$		Time Defl. .000"	PSIG Temp. Corr.		Time Defl. .000"	$\log \frac{t + \theta}{\theta}$		Time Defl. .000"	PSIG Temp. Corr.		
0	.000	30		.000		78	.000	126		.000		128	.000	128		.000		128		.000														
1	.0533	43*		.0332		219**	.0663	103***		.0339		261**	.0339	261**		.0339		261**		.0339														
2	.1132	55		.0598		367	.1260	110		.0610		427	.0610	427		.0610		427		.0610														
3	.1731	65		.0864		616	.1857	113		.0881		690	.0881	690		.0881		690		.0881														
4	.2330	70		.1130		875	.2454	121		.1152		892	.1152	892		.1152		892		.1152														
5	.293	78		.1396		1016	.305	128		.1423		1005	.1423	1005		.1423		1005		.1423														
6				.1662		1107				.1694		1075	.1694	1075		.1694		1075		.1694														
7				.1928		1166				.1965		1121	.1965	1121		.1965		1121		.1965														
8				.2194		1208				.2236		1159	.2236	1159		.2236		1159		.2236														
9				.2460		1234				.2507		1185	.2507	1185		.2507		1185		.2507														
10				.2726		1256				.2778		1208	.2778	1208		.2778		1208		.2778														
11				.299		1275				.305		1223	.305	1223		.305		1223		.305														
12																																		
13																																		
14																																		
15																																		

Gauge No.			1606			Depth			4736'			Clock No.			3230			hour			12													
First Flow Period			Closed In Pressure			Second Flow Period			Closed In Pressure			Third Flow Period			Closed In Pressure			Third Flow Period			Closed In Pressure													
	Time Defl. .000"	PSIG Temp. Corr.		Time Defl. .000"	$\log \frac{t + \theta}{\theta}$		Time Defl. .000"	PSIG Temp. Corr.		Time Defl. .000"	$\log \frac{t + \theta}{\theta}$		Time Defl. .000"	PSIG Temp. Corr.		Time Defl. .000"	$\log \frac{t + \theta}{\theta}$		Time Defl. .000"	PSIG Temp. Corr.		Time Defl. .000"	$\log \frac{t + \theta}{\theta}$		Time Defl. .000"	PSIG Temp. Corr.		Time Defl. .000"	$\log \frac{t + \theta}{\theta}$		Time Defl. .000"	PSIG Temp. Corr.		
0	.000	45		.000		86	.000	120		.000		135	.000	135		.000		135		.000														
1	.0544	54*		.0337		231**	.0672	111***		.0341		264**	.0341	264**		.0341		264**		.0341														
2	.1156	64		.0606		396	.1277	116		.0614		426	.0614	426		.0614		426		.0614														
3	.1768	73		.0875		656	.1882	122		.0887		715	.0887	715		.0887		715		.0887														
4	.2380	78		.1144		913	.2487	127		.1160		900	.1160	900		.1160		900		.1160														
5	.299	86		.1413		1044	.309	135		.1433		1015	.1433	1015		.1433		1015		.1433														
6				.1682		1125				.1706		1088	.1706	1088		.1706		1088		.1706														
7				.1951		1179				.1979		1137	.1979	1137		.1979		1137		.1979														
8				.2220		1218				.2252		1169	.2252	1169		.2252		1169		.2252														
9				.2489		1246				.2525		1196	.2525	1196		.2525		1196		.2525														
10				.2758		1267				.2798		1218	.2798	1218		.2798		1218		.2798														
11				.303		1283				.307		1235	.307	1235		.307		1235		.307														
12																																		
13																																		
14																																		
15																																		

Reading Interval 9

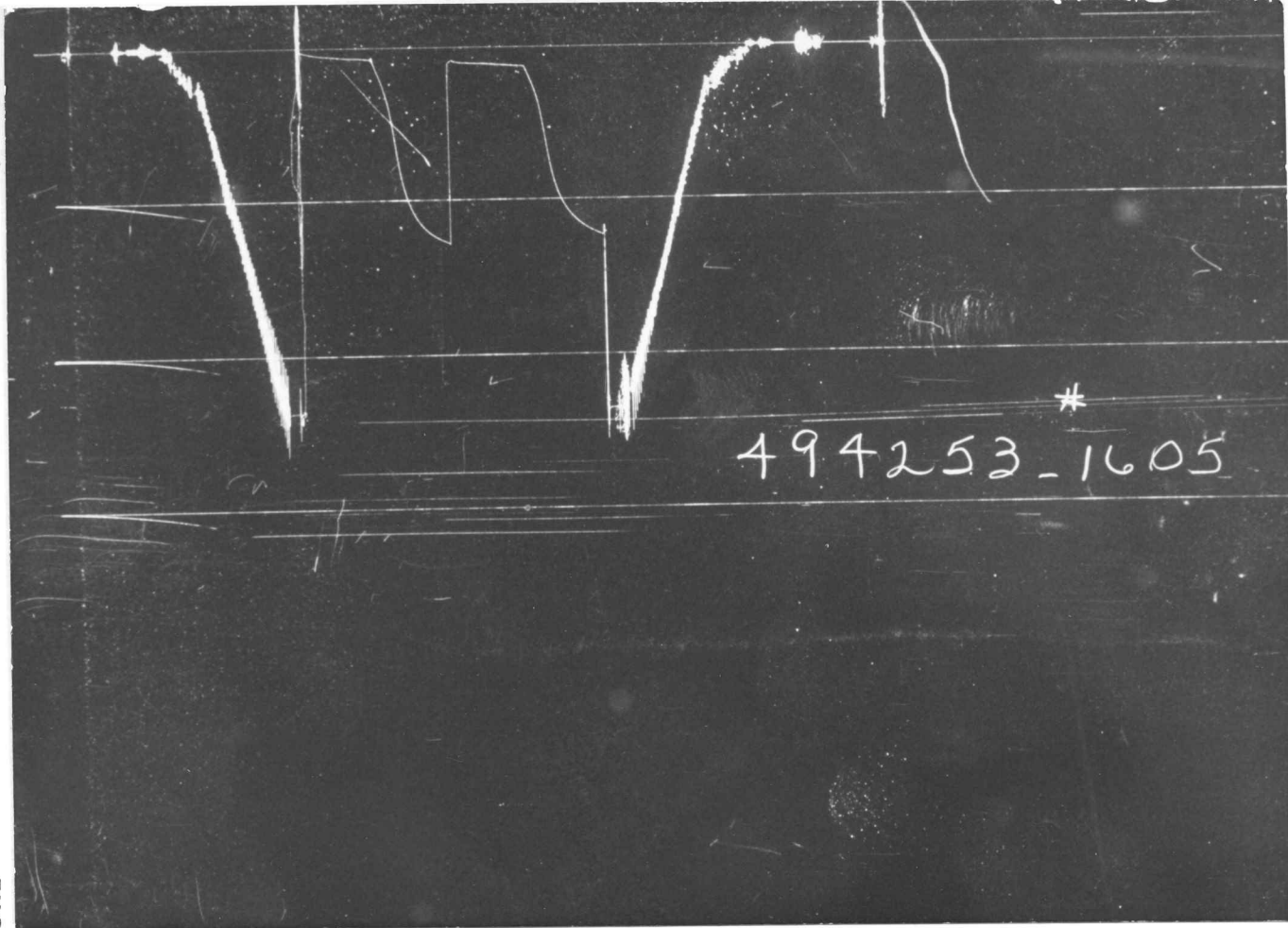
Minutes

REMARKS: * INTERVAL = 8 MINUTES. ** INTERVAL = 5 MINUTES. *** INTERVAL = 10 MINUTES.

REMARKS: * INTERVAL = 8 MINUTES. ** INTERVAL = 5 MINUTES. *** INTERVAL = 10 MINUTES.

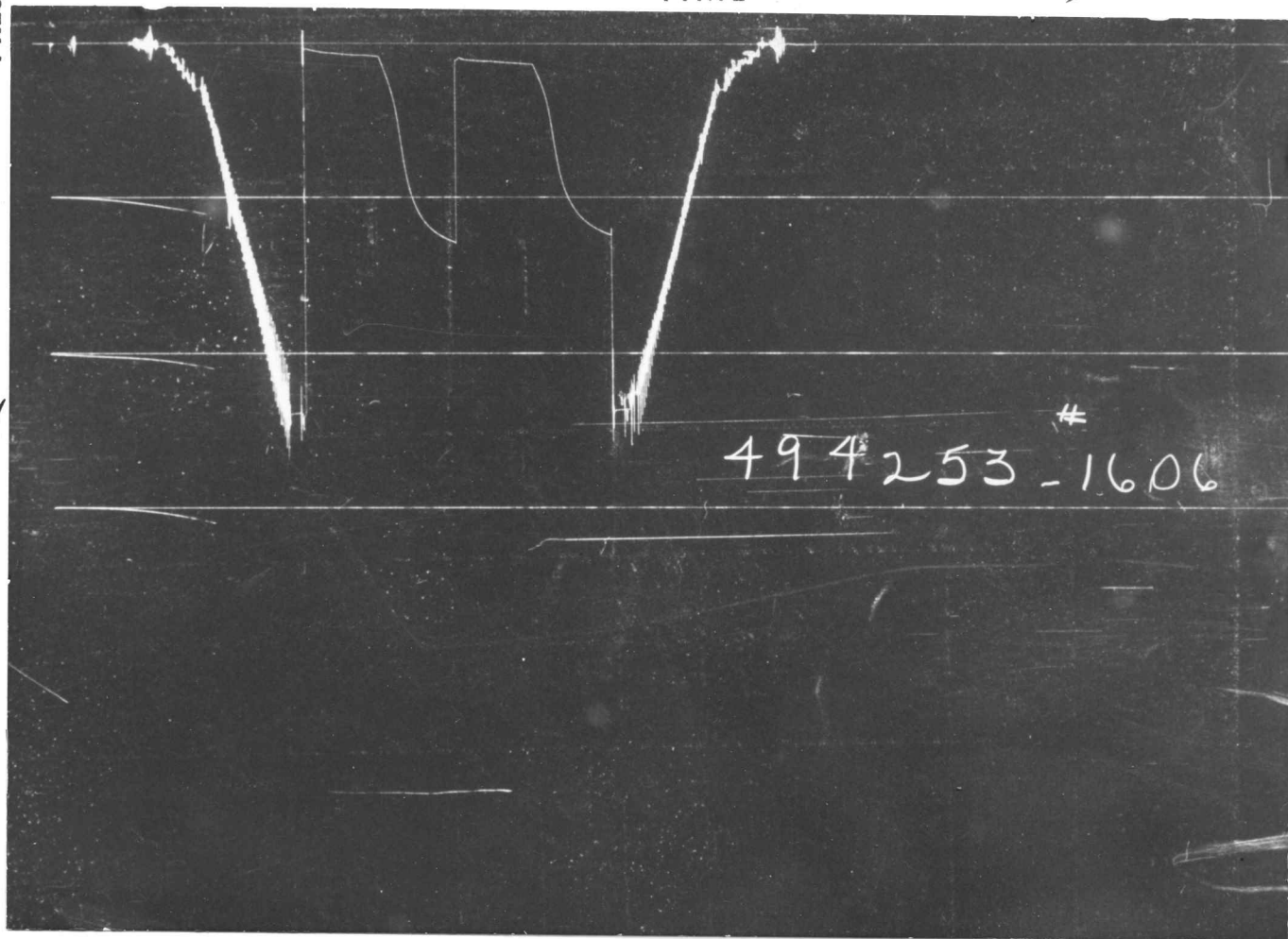
	O. D.	I. D.	LENGTH	DEPTH
Reversing Sub	6"	3.8"	1'	
Water Cushion Valve				
Drill Pipe	4 1/2"	3.826"	4143'	
Drill Collars	6"	2.25"	540'	
Handling Sub & Choke Assembly	5"	.87"	6'	
Dual CIP Valve				
Dual CIP Sampler	5"	.75"	5'	4697'
Hydro-Spring Tester				
Multiple CIP Sampler				
Extension Joint				
AP Running Case	5"	3.06"	4'	4698'
Hydraulic Jar	5"	1.75"	5'	
VR Safety Joint	5"	1.00"	3'	
Pressure Equalizing Crossover				
Packer Assembly	6 3/4"	1.53"	6'	4713'
Distributor				
Packer Assembly	6 3/4"	1.53"	6'	4718'
Flush Joint Anchor	5"	2.37"	17'	
Pressure Equalizing Tube				
Blanked-Off B.T. Running Case				
Drill Collars				
Anchor Pipe Safety Joint				
Packer Assembly				
Packer Assembly				
Anchor Pipe Safety Joint				
Side Wall Anchor				
Drill Collars				
Flush Joint Anchor				
Blanked-Off B.T. Running Case	5"	2.44"	4'	4736'

PRESSURE



TIME

#



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