

FLUID SAMPLE DATA				Date	5-15-78 <th>Ticket Number</th> <td>417666 </td>	Ticket Number	417666
Sampler Pressure _____ P.S.I.G. at Surface				Kind of Job	OPEN HOLE	Halliburton District	EL DORADO
Recovery: Cu. Ft. Gas _____				Tester	RIEDEL	Witness	ARMSTRONG
cc. Oil _____				Drilling Contractor	WOODMAN AND IANNITTI		NM S
cc. Water _____				EQUIPMENT & HOLE DATA			
cc. Mud _____				Formation Tested	Mississippi		
Tot. Liquid cc. _____				Elevation	1557'	Ft.	
Gravity _____ ° API @ _____ °F.	RESISTIVITY			Net Productive Interval	15'	Ft.	
Gas/Oil Ratio _____ cu. ft./bbl.	CHLORIDE CONTENT			All Depths Measured From	Kelly Bushing		
Recovery Water _____ @ _____ °F. _____ ppm				Total Depth	3626'	Ft.	
Recovery Mud _____ @ _____ °F. _____ ppm				Main Hole/Casing Size	7 7/8"		
Recovery Mud Filtrate _____ @ _____ °F. _____ ppm				Drill Collar Length WP	775'	I.D.	2.764" WP
Mud Pit Sample _____ @ _____ °F. _____ ppm				Drill Pipe Length	2808'	I.D.	3.826"
Mud Pit Sample Filtrate _____ @ _____ °F. _____ ppm				Packer Depth(s)	3604' - 3610' Ft.		
Mud Weight 9.6 vis 49 sec				Depth Tester Valve	3594' Ft.		
Cushion	TYPE	AMOUNT	Depth Back	Surface	Bottom		
NONE			Ft. Pres. Valve	Choke	Choke		
Recovered	200'	Feet of	mud	NONE	1/4"	3/4"	
Recovered	200'	Feet of	salt water				
Recovered		Feet of					
Recovered		Feet of					
Recovered		Feet of					
Remarks	SEE PRODUCTION TEST DATA SHEET...						
TEMPERATURE				Gauge No. 6705	Gauge No. 6704	Gauge No.	TIME
Depth:				3596' Ft.	3622' Ft.	Depth:	
Est. °F.				12 Hour Clock	12 Hour Clock	Hour Clock	Tool A.M.
Blanked Off				NO	YES	Blanked Off	Opened 0447 P.M.
3621' @				Pressures		Pressures	
Actual 120 °F.				Pressures		Pressures	
	Field	Office	Field	Office	Field	Office	Reported
Initial Hydrostatic	-	2061	2086	2080			Minutes
First Period	Flow Initial	49	36	67			Minutes
	Flow Final	119	114	127			48
	Closed in	961	972	973			50
Second Period	Flow Initial	135	130	150			45
	Flow Final	193	208	205			45
	Closed in	981	988	996			90
Third Period	Flow Initial						
	Flow Final						
Final Hydrostatic	-	1942	1939	1961			

Legal Location Sec. - Twp. - Rng. 29 - 25 - 6W
 Lease Name HOINBAKER (A)
 Well No. 1
 Test No. 1
 Tested Interval 3610' - 3626'
 County RENO
 State KANSAS
 Lease Owner/Company Name OIL PROPERTIES MANAGEMENT, INCORPORATED

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Casing perms. _____ Bottom choke _____ Surf. temp. _____ °F Ticket No. 417666
 Gas gravity _____ Oil gravity _____ GOR _____
 Spec. gravity _____ Chlorides _____ ppm Res. _____ @ _____ °F

INDICATE TYPE AND SIZE OF GAS MEASURING DEVICE USED _____

Date	Time	Choke Size	Surface Pressure psi	Gas Rate MCF	Liquid Rate BPD	Remarks
5-15-78	2330					On location - rig making up a short trip.
	0300					Making up the tools.
	0320					Tools made up.
	0444					Tool on bottom.
	0447					Tool opened with a fair blow.
	0455					Had a strong blow.
	0505					Gas to the surface.
	0508	1/4"	3#	15.7		
	0518	1/4"	3#	"		
	0535					Tool closed.
	0620					Tool reopened with a strong blow.
	0630	1/4"	4#	17.5		
	0640		3	15.7		
	0700		2	12.5		
	0705					Turned tool 13 turns - spun back - picked up 10,000# more weight off the tool one turn back. Backed 6 turns and waited for the company man.
	0840					Off bottom...

Gauge No. 6705		Depth 3596'		Clock No. 17419		12 hour		Ticket No. 417666	
First Flow Period		First Closed In Pressure		Second Flow Period		Second Closed In Pressure		Third Flow Period	
Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	$\text{Log } \frac{t + \theta}{\theta}$	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	$\text{Log } \frac{t + \theta}{\theta}$	Time Defl. .000"	PSIG Temp. Corr.
0	.000 49	.000	119	.000	135	.000	193		
1	.0662 53	.0263	483*	.0594	146	.0527	644**		
2	.1324 73	.0461	618	.1188	159	.0922	750		
3	.1986 89	.0659	700	.1782	172	.1317	809		
4	.2648 105	.0856	762	.2376	183	.1713	847		
5	.3310 119	.1054	805	.2970	193	.2107	876		
6		.1252	836			.2503	897		
7		.1449	861			.2898	914		
8		.1647	881			.3294	927		
9		.1844	898			.3689	938		
10		.2042	913			.4084	948		
11		.2240	924			.4479	956		
12		.2437	936			.4874	964		
13		.2635	943			.5270	971		
14		.2832	954			.5665	976		
15		.3030	961			.6060	981		
Gauge No. 6704		Depth 3622'		Clock No. 17418		12 hour			
0	.000 67	.000	127	.000	150	.000	205		
1	.0662 60	.0264	491*	.0594	154	.0528	652**		
2	.1324 80	.0463	632	.1188	168	.0924	762		
3	.1986 97	.0661	713	.1782	182	.1320	820		
4	.2648 112	.0859	770	.2376	192	.1715	860		
5	.3310 127	.1057	814	.2970	205	.2111	889		
6		.1256	845			.2507	910		
7		.1454	871			.2903	927		
8		.1652	892			.3299	941		
9		.1850	910			.3695	952		
10		.2049	925			.4091	962		
11		.2247	936			.4486	970		
12		.2445	946			.4882	977		
13		.2643	957			.5278	983		
14		.2842	965			.5674	991		
15		.3040	973			.6070	996		
Reading Interval 10		3		9		6		Minutes	

REMARKS: * INTERVAL = 4 MINUTES. ** INTERVAL = 8 MINUTES.



	O. D.	I. D.	LENGTH	DEPTH
Drill Pipe or Tubing	5 3/4"	2.75"	1'	
Reversing Sub				
Water Cushion Valve				
Drill Pipe	4 1/2"	3.826"	2808'	
Drill Collars	4 1/2"	2.764"	775' WEIGHT PIPE	
***** WEIGHT PIPE	4 1/2"	3.50"	3'	
Handling Sub & Choke Assembly	5"	.87"	5'	3585'
Dual CIP Valve				
Dual CIP Sampler	5"	.75"	5'	3594'
Hydro-Spring Tester				
Multiple CIP Sampler				
Extension Joint				
AP Running Case	5"	3.75"	4'	3596'
Hydraulic Jar				
VR Safety Joint				
Pressure Equalizing Crossover				
Packer Assembly	6 3/4"	1.53"	6'	3604'
Distributor				
Packer Assembly				
Flush Joint Anchor				
Pressure Equalizing Tube				
Blanked-Off B.T. Running Case				
Drill Collars				
Anchor Pipe Safety Joint				
Packer Assembly	6 3/4"	1.53"	6'	3610'
Distributor				
Packer Assembly				
Anchor Pipe Safety Joint				
***** Side Wall Anchor	5"	2.37"	8'	
Drill Collars				
Flush Joint Anchor	5"	3.75"	1 1/2'	
Blanked-Off B.T. Running Case	5"	2.75"	4'	3622'
Total Depth				3626'

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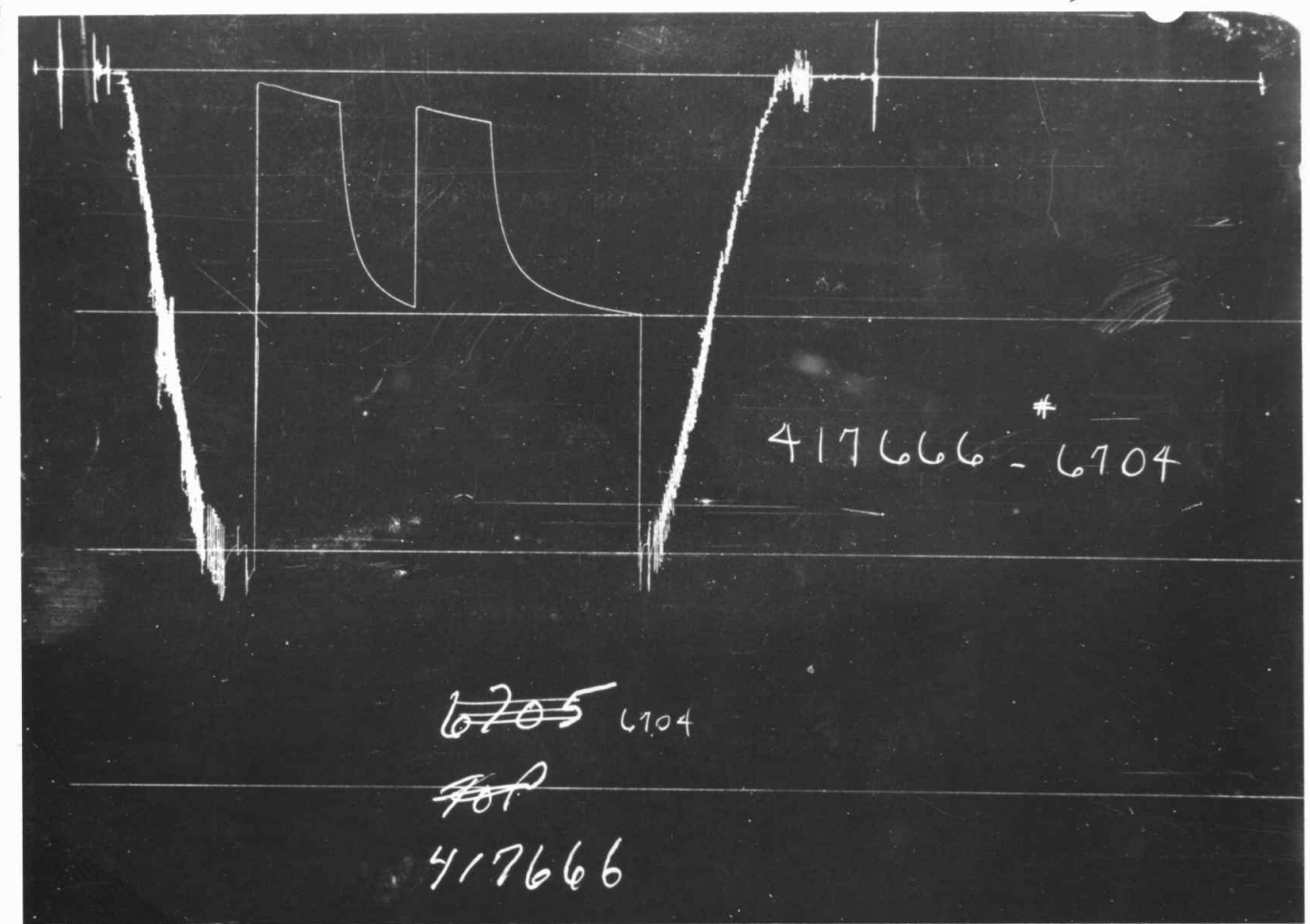
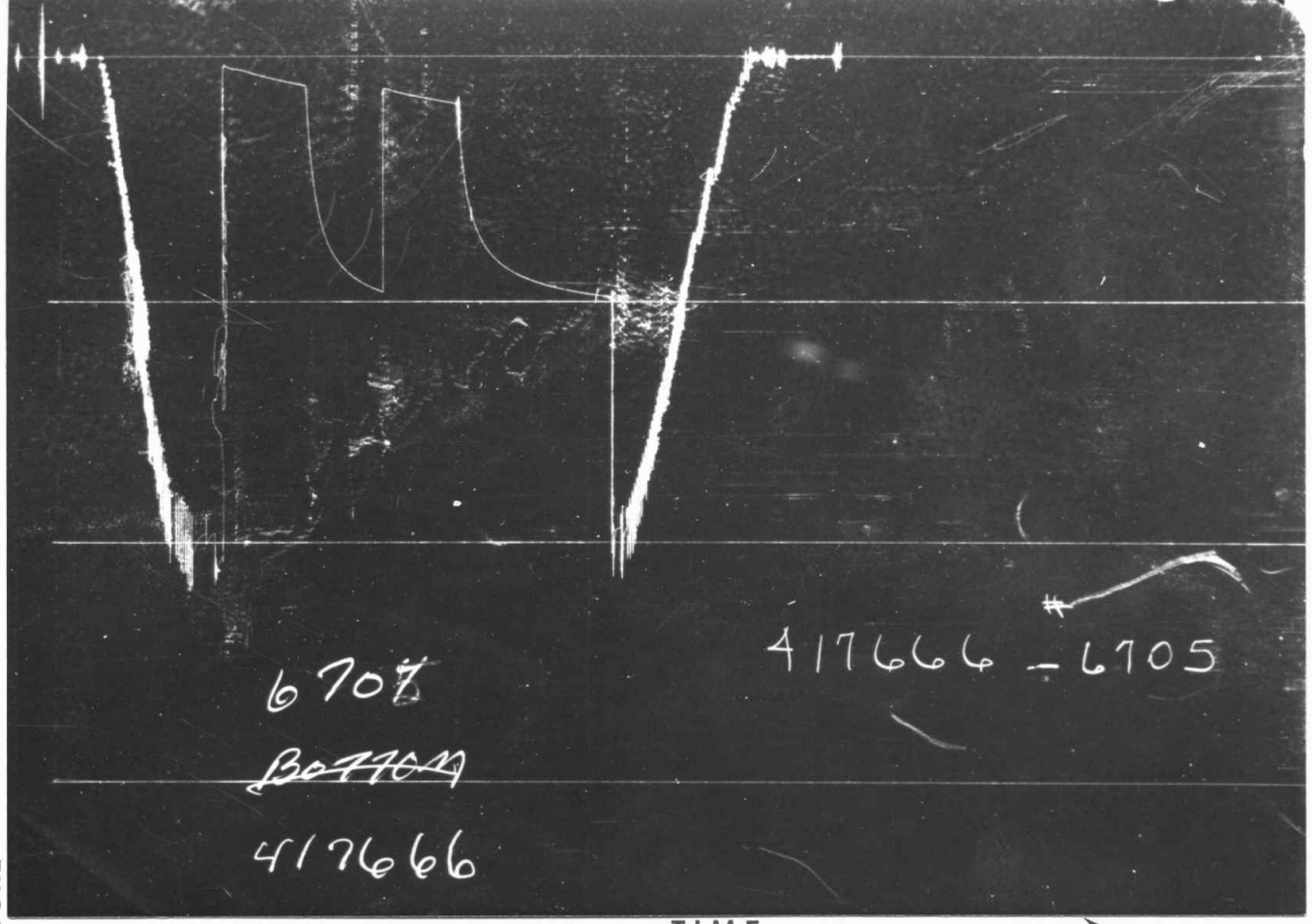
TEMPERATURE
RECORDER
CHART



10° each circle

PRESSURE

TIME



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

MILLER TESTING COMPANY

Box 547

GREAT BEND, KANSAS

Company OIL PROPERTIES, INC.

Lease and Well No. HORNBAKER #1

County RENO State KANSAS Date 5-19-78

Formation Test No. 2 Total Depth 4017 Elev. _____

Interval Tested 3986 To 4017 Anchor Length 31'

Size Hole 7 7/8 Size Drill Pipe 4 1/2 F H Size Packer 6 3/4

Mud Weight 10.2 Viscosity 52 Water Loss 12 c.c. Bottom Hole Temp. 115 °F

Chokes: Top 1/2 Bottom 1/2 Ticket No. 16228

Length of Drill Collar _____ I. D. _____ Length Flexweight _____ I. D. _____

RECOVERY

GOOD BLOW THROUGHOUT TEST.

120 FEET OF GAS IN PIPE.

GAS DRIVEN

180 FEET OF OIL CUT MUD.

1820 FEET OF OIL CUT MUDDY WATER - 70% WATER 29% OIL 1% MUD.

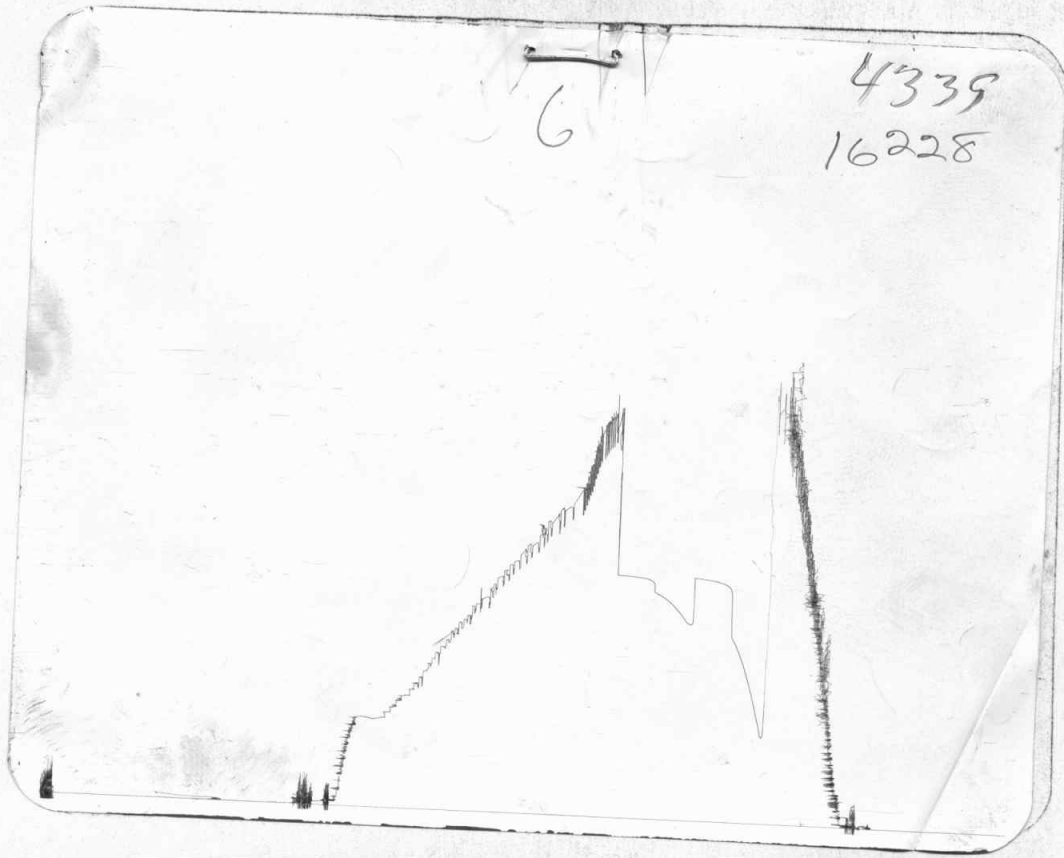
1100 FEET OF VERY SLIGHT OIL CUT MUDDY WATER.

Lease and Well No. HORNBAKER #1

CNL SE NE

29-25S-6W

Formation Test No. 2



Tool Open: 1st Flow hr. 30 mins: Shut-in Initial hr. 30 min: 2nd Flow hr. 30 min: Shut-in Final hr. 30 min.

	Field Reading	Corrected Reading
(A) Initial Hydrostatic Pressure	<u>2406</u>	<u>2417</u>
(B) Initial 1st Flow Pressure	<u>529</u>	<u>518</u>
(C) Final 1st Flow Pressure	<u>1086</u>	<u>1097</u>
(D) Initial Shut-in Pressure	<u>1397</u>	<u>1418</u>
(E) Initial 2nd Flow Pressure	<u>1174</u>	<u>1153</u>
(F) Final 2nd Flow Pressure	<u>1329</u>	<u>1330</u>
(G) Final Shut-in Pressure	<u>1418</u>	<u>1418</u>
(H) Final Hydrostatic Pressure	<u>2340</u>	<u>2352</u>

16228