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 _____ ° API @ _____ °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	@ °F.			ppm

Mud Weight 9.7 vis 44 cp

Date 7-22-74 Ticket Number 684752
Kind of Job OPEN HOLE Halliburton District HAYS
Tester SMYLIE Witness HIPPS
Drilling Contractor RED TIGER DRILLING COMPANY # 2

EQUIPMENT & HOLE DATA

Formation Tested -
Elevation 2451' K.B. Ft.
Net Productive Interval 6' Ft.
All Depths Measured From Kelly Bushing
Total Depth 3910' Ft.
Main Hole/Casing Size 7 7/8"
WEIGHT PIPE
Drill Collar Length 1017' I.D. 2.764" WP
Drill Pipe Length 2861' I.D. 3.826"
Packer Depth(s) 3884' Ft.
Depth Tester Valve 3882' Ft.

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

Recovered 220' Feet of muddy salty water with a trace of oil
Recovered Feet of
Recovered Feet of
Recovered Feet of
Recovered Feet of

Meas. From Tester Valve

Remarks Tool opened with a weak blow for a 45 minute first flow. Closed tool for a 45 minute first closed in pressure. Tool reopened for a 45 minute second flow with no blow - weak blow in 5 minutes. Took a 45 minute second closed in pressure.

TEMPERATURE	Gauge No. 690 Depth: 3886' Ft.	Gauge No. 228 Depth: 3906' Ft.	Gauge No. Depth: Ft.	TIME
	12 Hour Clock	12 Hour Clock	Hour Clock	Tool Opened 1715 A.M. P.M.
Est. °F.	Blanked Off NO	Blanked Off YES	Blanked Off	
3905' @ Actual 115°F.	Pressures	Pressures	Pressures	Opened A.M. Bypass 2015 P.M.

		Field	Office	Field	Office	Field	Office	Reported Minutes	Computed Minutes
Initial Hydrostatic		-	2007	2056	2049				
First Period	Flow Initial	CLOCK STOPPED.		23	24			—	—
	Flow Final	NO READINGS ARE		83	79			45	45
	Closed in	AVAILABLE.		1275	1271			45	45
Second Period	Flow Initial			83	95			—	—
	Flow Final			124	128			45	45
	Closed in			1238	1243			45	45
Third Period	Flow Initial							—	—
	Flow Final								
	Closed in								
Final Hydrostatic				1981	1993			—	—

Legal Location Sec. - Twp. - Rng. C-NW-SW - 19 - 13S - 26W
Lease Name FAHEY
Well No. 1
Test No. 1
Tested Interval 3884' - 3910'
Lease Owner/Company Name BEREN CORPORATION
Field Area WILDCAT
County GOVE
State KANSAS

FORM 181—PRINTED IN U.S.A.

FORMATION TEST DATA

LITTLE'S 93974 5M 6/73

5-C

Gauge No.	690	Depth	3886'	Clock No.	10288	12 hour	Ticket No.	684752	

	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.	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.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t+\theta}{\theta}$	PSIG Temp. Corr.
0															
1															
2															
3															
4	CLOCK STOPPED... NO READINGS ARE AVAILABLE....														
5															
6															
7															
8															
9															
10															
11															
12															
13															
14															
15															

Gauge No.	228		Depth	3906'		Clock No.	3095		hour	12				
0	.000	24	.000		79	.000	95	.000		128					
1	.0602	37	.0204		662	.0604	99	.0203		532					
2	.1204	49	.0408		1011	.1208	106	.0406		949					
3	.1806	60	.0612		1089	.1812	113	.0609		1052					
4	.2408	71	.0816		1135	.2416	120	.0812		1100					
5	.3010	79	.1020		1167	.3020	128	.1015		1131					
6			.1224		1186			.1218		1155					
7			.1428		1204			.1421		1173					
8			.1632		1219			.1624		1187					
9			.1836		1230			.1827		1199					
10			.2040		1239			.2030		1209					
11			.2244		1247			.2233		1218					
12			.2448		1254			.2436		1225					
13			.2652		1261			.2639		1232					
14			.2856		1266			.2842		1238					
15			.3060		1271			.3050		1243					
Reading Interval	9		3			9		3							Minutes

REMARKS:

9

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SPECIAL PRESSURE DATA

LITTLE'S

TICKET NO. 684752



	O. D.	I. D.	LENGTH	DEPTH
Drill Pipe or Tubing				
Reversing Sub	5.00"	2.75"	12"	
Water Cushion Valve				
Drill Pipe	4.5"	3.826"	2861'	
******** Drill Collars WEIGHT PIPE	4.5"	2.764"	1017'	
Handling Sub & Choke Assembly				
Dual CIP Valve	5.00"	.87"	60"	
Dual CIP Sampler				
Hydro-Spring Tester	5.00"	.75"	60"	3882'
Multiple CIP Sampler				
Extension Joint				
AP Running Case				
Hydraulic Jar				
VR Safety Joint				
Pressure Equalizing Crossover				
Packer Assembly	6.75"	1.53"	48"	3884'
Distributor				
Packer Assembly				
Flush Joint Anchor				
Pressure Equalizing Tube				
******** Blanked-Off B.T. Running Case	5.00"	3.75"	49"	3886'
Drill Collars				
Anchor Pipe Safety Joint				
Packer Assembly				
Distributor				
Packer Assembly				
Anchor Pipe Safety Joint				
Side Wall Anchor				
Drill Collars				
Flush Joint Anchor	5.00"	3.75"	15'	
Blanked-Off B.T. Running Case	5.00"	2.75"	49"	3906'
Total Depth				

FORM 187—PRINTED IN U.S.A.

EQUIPMENT DATA

LITTLE'S

19-13-26W

TIME LOG

Fahey #1
App. C NW SW
Sec. 19-13S-26W
Gove County, Kansas

5' Drilling Time

1600 - 1650	2-2-1-1-1	1-1-1-1-2
1700	1-2-1-1-1	1-1-1-1-2
1750	1-3-2-1-1	7-5-9-9-8
1800	8-8-3-3-3	2-3-3-2-2
1850	2-2-3-3-3	2-2-3-3-3
1850 - 1900	3-2-1-2-2	2-3-2-2-2
1950	3-3-2-3-2	3-3-3-4-4
2000	8-10-14-17-21	19-27-23-9-9
2025	9-9	

1' Drilling Time

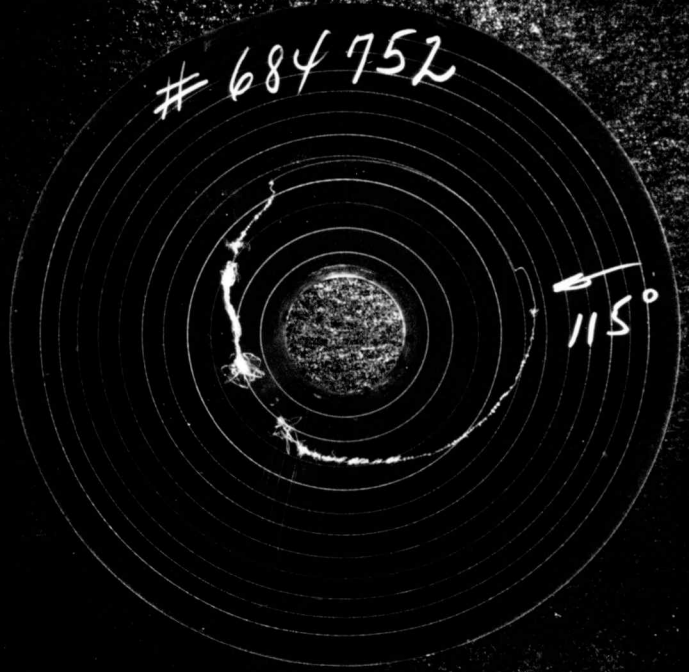
3000 - 3010	1-1-1-2-2	2-2-3-5-2
3020	3-3-3-4-3	4-4-3-3-3
3030	3-5-4-5-4	5-4-3-2-2
3040	2-2-4-3-2	2-2-2-3-2
3050	2-2-2-2-2	3-3-4-3-3
3050 - 3060	3-4-3-4-4	3-3-4-4-4
3070	4-4-4-3-3	4-3-3-4-5
3080	5-5-4-4-4	4-5-3-5-3
3090	4-4-3-3-3	4-4-4-4-4
3100	4-3-2-3-1	1-4-5-5-5
3100 - 3110	4-2-4-3-4	4-3-4-3-4
3120	3-4-4-4-3	3-3-4-3-4
3130	5-4-3-4-4	4-3-3-3-2
3140	3-3-4-4-5	4-5-5-4-5
3150	4-4-5-4-5	5-5-5-5-4
3150 - 3160	5-5-4-4-4	2-4-5-2-2
3170	3-4-3-3-4	1-3-2-3-3
3180	3-5-3-4-4	3-4-2-4-4
3190	4-4-4-4-4	3-3-4-4-2
3200	3-3-4-4-2	3-4-4-4-4
3200 - 3210	4-4-2-3-4	3-4-4-3-3
3220	4-3-3-2-2	1-3-3-3-4
3230	4-3-3-3-3	3-4-3-3-3
3240	3-4-4-3-4	3-3-3-3-3
3250	3-3-3-3-3	3-4-3-3-3

3250 -	3260	3-3-4-3-3	4-4-3-3-3
	3270	4-1-2-1-1	1-1-1-2-3
	3280	3-3-3-2-2	3-2-3-3-4
	3290	3-2-2-1-1	1-2-2-3-2
	3300	2-2-2-2-2	2-3-2-2-2
3300 -	3310	2-2-4-4-4	3-3-3-4-4
	3320	4-4-5-4-4	5-3-2-1-1
	3330	1-1-3-4-4	3-4-4-4-3
	3340	3-4-4-2-4	4-4-2-2-2
	3350	1-1-1-1-1	1-1-1-1-1
3350 -	3360	2-4-4-4-3	4-3-4-2-3
	3370	2-3-3-4-2	4-4-2-4-3
	3380	6-4-3-3-3	4-4-6-4-3
	3390	3-3-5-5-3	4-4-6-6-7
	3400	5-5-5-7-6	5-4-4-5-4
3400 -	3410	5-4-4-4-3	4-4-3-4-3
	3420	4-4-4-5-5	4-4-4-5-2
	3430	2-1-3-3-3	4-3-5-4-4
	3440	3-2-3-5-4	2-3-1-1-2
	3450	3-5-6-5-4	5-4-4-4-3
3450 -	3460	3-2-3-2-2	3-5-4-5-4
	3470	5-4-4-4-4	4-3-4-5-4
	3480	5-5-3-2-2	1-1-2-3-4
	3490	3-5-4-4-2	3-1-1-2-1
	3500	1-2-2-1-3	1-1-3-4-1
3500 -	3510	1-4-3-4-4	4-4-4-4-5
	3520	5-3-2-1-2	1-2-4-3-5
	3530	5-5-5-5-4	1-3-1-1-1
	3540	1-1-1-2-2	2-3-3-3-2
	3550	1-2-4-4-4	3-3-4-4-5
3550 -	3560	4-4-4-4-3	4-4-4-4-6
	3570	5-2-3-3-4	5-4-5-5-5
	3580	5-4-4-4-5	6-4-3-5-3
	3590	3-3-2-1-1	4-3-3-2-2
	3600	3-3-3-4-2	3-3-3-3-4
3600 -	3610	4-5-5-5-5	4-6-5-3-3
	3620	3-1-1-2-2	5-3-5-2-2
	3630	2-3-5-5-3	2-1-2-2-3
	3640	4-4-3-3-3	5-4-5-2-2
	3650	2-2-3-1-1	1-1-1-2-1

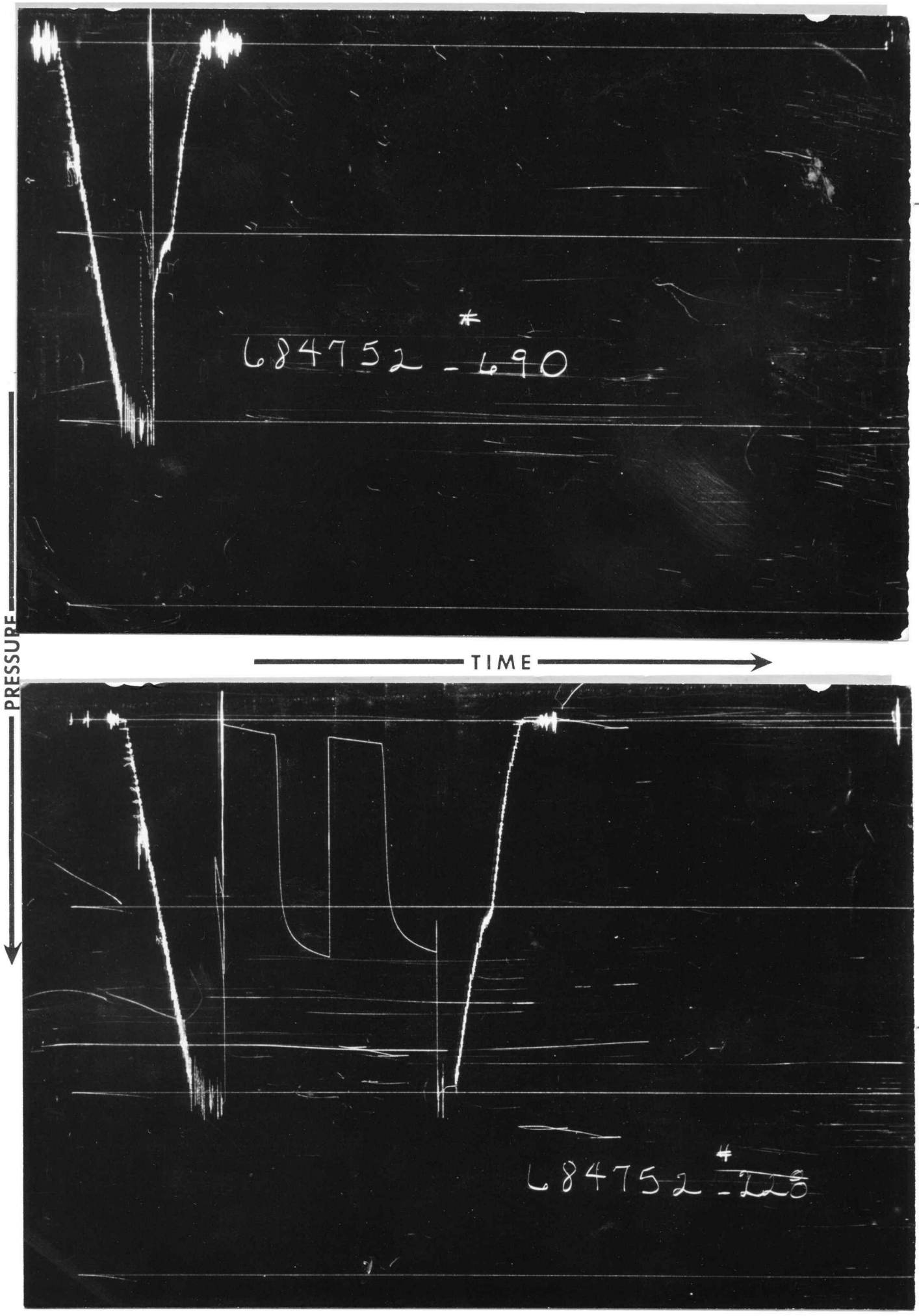
3650 - 3660	2-1-2-2-2	1-3-3-4-4
3670	4-5-5-5-6	6-5-4-3-3
3680	5-5-5-6-5	4-2-3-5-5
3690	6-5-7-5-5	4-4-5-5-5
3700	6-5-6-4-5	4-3-3-4-3
3700 - 3710	4-3-3-4-5	4-4-5-6-8
3720	5-6-5-5-7	5-5-4-5-4
3730	4-4-5-5-5	5-3-4-4-4
3740	3-3-4-2-3	3-3-4-3-6
3750	4-6-4-4-5	3-3-4-3-4
3750 - 3760	4-6-4-5-3	3-3-3-5-7
3770	5-4-7-6-4	4-4-4-3-4
3780	5-5-4-4-6	5-6-5-4-4
3790	5-4-6-4-4	7-5-5-11-4
3800	5-3-4-3-4	3-2-3-4-3
3800 - 3810	3-5-4-3-3	3-4-3-5-4
3820	3-3-3-4-3	4-4-2-5-7
3830	5-7-7-6-5	5-5-5-6-4
3840	5-3-7-8-4	5-6-4-4-4
3850	4-5-5-4-4	7-8-7-6-7
3850 - 3860	7-7-7-6-8	8-4-8-8-7
3870	7-8-6-5-6	5-5-5-6-4
3880	5-4-5-5-4	5-7-6-8-7
3890	6-5-5-5-7	6-5-5-7-5
3900	5-4-6-4-5	5-3-3-3-4
3900 - 3910	4-3-5-10-10	9-8-8-8-7
3920	8-9-12-8-6	5-7-7-6-6
3930	6-7-6-7-6	7-8-9-6-8
3940	8-8-10-8-7	6-7-7-5-4
3950	5-8-5-5-7	5-6-5-7-6
3950 - 3960	7-6-6-5-7	6-6-5-4-5
3970	6-6-5-6-4	5-6-4-5-4
3980	6-6-7-6-7	6-6-6-4-4
3990	4-4-6-6-6	6-7-7-6-4
4000	5-5-7-6-5	6-5-5-5-6
4000 - 4010	3-3-3-4-5	5-5-6-5-6
4020	6-6-5-7-8	9-10-8-10-9
4030	12-9-8-7-8	6-5-5-8-5
4040	4-5-5-5-5	7-7-7-7-7
4050	6-6-6-6-7	7-7-6-7-6

4050 - 4060	6-5-5-4-4	4-4-4-9-7
4070	5-5-8-9-6	7-5-6-8-8
4080	7-8-7-6-8	6-6-6-7-8
4090	7-6-6-6-10	8-7-6-6-6
4100	6-6-5-6-6	7-9-8-7-8
4100 - 4110	9-9-7-9-7	6-6-6-6-6
4120	7-5-6-6-6	7-6-6-6-6
4130	6-6-5-6-4	8-7-6-5-5
4140	7-7-6-7-6	6-6-9-9-8
4150	7-7-6-7-7	8-7-7-8-8
4150 - 4160	8-9-8-9-7	8-8-9-11-9
4170	7-7-8-7-6	6-6-8-7-8
4180	9-6-8-8-8	8-8-8-9-7
4190	8-6-7-7-7	5-5-6-3-5
4200	6-5-4-4-4	5-6-5-7-7
4200 - 4210	9-7-7-6-8	7-8-8-4-5
4220	5-5-5-6-8	7-8-7-7-9
4230	9-9-11-8-5	6-6-10-9-8
4240	7-7-8-8-6	6-6-7-8-10
4250	10-9-9-9-10	8-9-10-5-7
4250 - 4260	6-7-7-7-9	9-6-5-4-4
4270	3-5-6-6-9	6-6-7-7-6
4280	8-8-4-6-8	7-6-6-4-5
4290	6-6-8-4-9	7-7-7-8-6
4300	5-6-8-7-8	7-9-6-7-5
4300 - 4310	4-4-6-5-3	5-3-4-3-4
4320	5-6-7-5-5	5-3-3-4-6
4330	6-4-6-6-7	9-8-4-3-4
4340	6-3-4-5-4	3-6-8-7-10
4350	8-6-8-5-3	3-4-5-4-2
4350 - 4360	3-3-2-2-2	2-2-4-6-6
4370	4-3-3-4-5	3-4-5-4-5
4380	4-4-4-6-3	3-4-5-5-6
4390	4-3-3-3-3	3-3-2-2-3
4400	2-3-4-4-4	10-9-7-5-6

TEMPERATURE RECORDER CHART



10° each circle



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

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 _____ ° API @ _____ °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	@	°F.		ppm

Mud Weight 9.7 vis 44 cp

Date 7-23-74 Ticket Number 684753
Kind of Job OPEN HOLE Halliburton District HAYS
Tester MR. SMYLIE Witness J. HIPPS
Drilling Contractor RED TIGER DRILLING COMPANY SM

EQUIPMENT & HOLE DATA

Formation Tested Kansas City
Elevation 2451' Kelly bushing Ft.
Net Productive Interval - Ft.
All Depths Measured From Kelly bushing
Total Depth 3958' Ft.
Main Hole/Casing Size 7 7/8"
Drill Collar Length 1016' I.D. 2.764" WP
Drill Pipe Length 2924' I.D. 3.826"
Packer Depth(s) 3928' Ft.
Depth Tester Valve 3926' Ft.

Cushion TYPE AMOUNT Ft. Depth Back Pres. Valve — Surface Choke 1/4" — Bottom Choke 3/4"

Recovered 120 Feet of gas in pipe
Recovered 70 Feet of slightly oil cut mud
Recovered Feet of
Recovered Feet of
Recovered Feet of

Mea. From Tester Valve

Remarks Tool opened for 40 minute first flow period with a weak blow. Closed tool for 45 minute first closed in pressure period. Tool reopened for 45 minute second flow period with a weak to fair blow. Closed tool for 45 minute second closed in pressure period.

TEMPERATURE	Gauge No. 690 Depth: 3930 Ft.	Gauge No. 228 Depth: 3954 Ft.	Gauge No. Depth: Ft.	TIME
	12 Hour Clock	12 Hour Clock	Hour Clock	Tool Opened 1040 A.M. P.M.
Est. °F.	Blanked Off no	Blanked Off yes	Blanked Off	
3953' Actual 113 °F.	Pressures	Pressures	Pressures	Opened A.M. Bypass 1335 P.M.

		Field	Office	Field	Office	Field	Office	Reported Minutes	Computed Minutes
Initial Hydrostatic			2034	2066	2045				
First Period	Flow Initial		9	32	27			—	—
	Flow Final		23	56	39			40	
	Closed in		235	259	248			45	
Second Period	Flow Initial		31	56	44			—	—
	Flow Final		34	65	48			45	
	Closed in		156	157	169			45	
Third Period	Flow Initial							—	—
	Flow Final								
	Closed in								
Final Hydrostatic			2030	2038	2042			—	—

Legal Location Sec. - Twp. - Rng. C NW SW 19 13 S 26 W
Lease Name FAHEY
Well No. 1
Test No. 2
Tested Interval 3928 - 3958'
Field Area WILDCAT
County GOVE
State KANSAS
Lease Owner/Company Name BEREN CORPORATION

FORM 181—PRINTED IN U.S.A.

FORMATION TEST DATA

LITTLE'S 93974 5M 8/73

5

TICKET NO. 684753



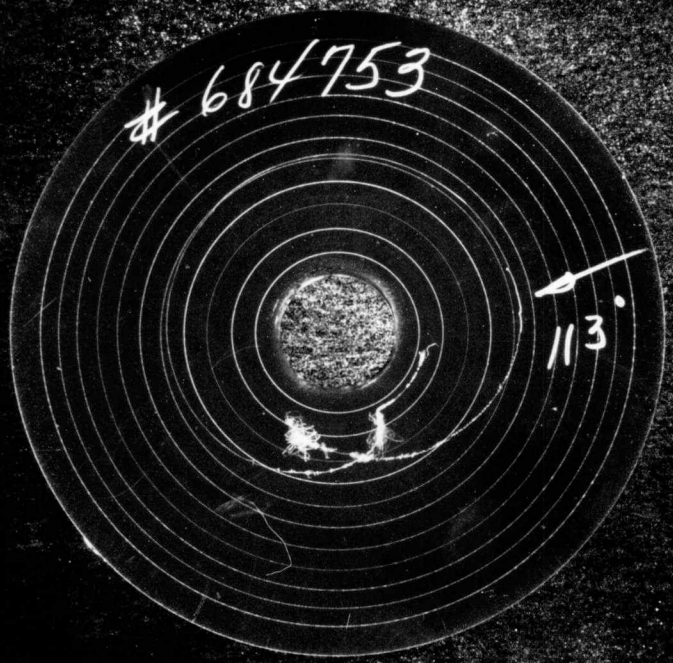
	O. D.	I. D.	LENGTH	DEPTH
Drill Pipe or Tubing				
Reversing Sub	5"	2.75"	12"	
Water Cushion Valve				
Drill Pipe	4.5"	3.826"	2924'	
Drill Collars	4.5"	2.764"	1016' Weight Pipe	
Handling Sub & Choke Assembly				
Dual CIP Valve	5"	.87"	60"	
Dual CIP Sampler				
Hydro-Spring Tester	5"	.75"	60"	3926'
Multiple CIP Sampler				
Extension Joint				
AP Running Case				
Hydraulic Jar				
VR Safety Joint				
Pressure Equalizing Crossover				
Packer Assembly	6.75"	1.53"	48"	3928'
Distributor				
Packer Assembly				
Flush Joint Anchor				
Pressure Equalizing Tube				
~~Blanked-Off~~ B.T. Running Case	~~5"~~	~~3.75"~~	~~49"~~	~~3930'~~
Drill Collars				
Anchor Pipe Safety Joint				
Packer Assembly				
Distributor				
Packer Assembly				
Anchor Pipe Safety Joint				
Side Wall Anchor				
Drill Collars				
Flush Joint Anchor	5"	3.75"	19'	
Blanked-Off B.T. Running Case	5"	2.75"	49"	3954'
Total Depth				3958'

FORM 187—PRINTED IN U.S.A.

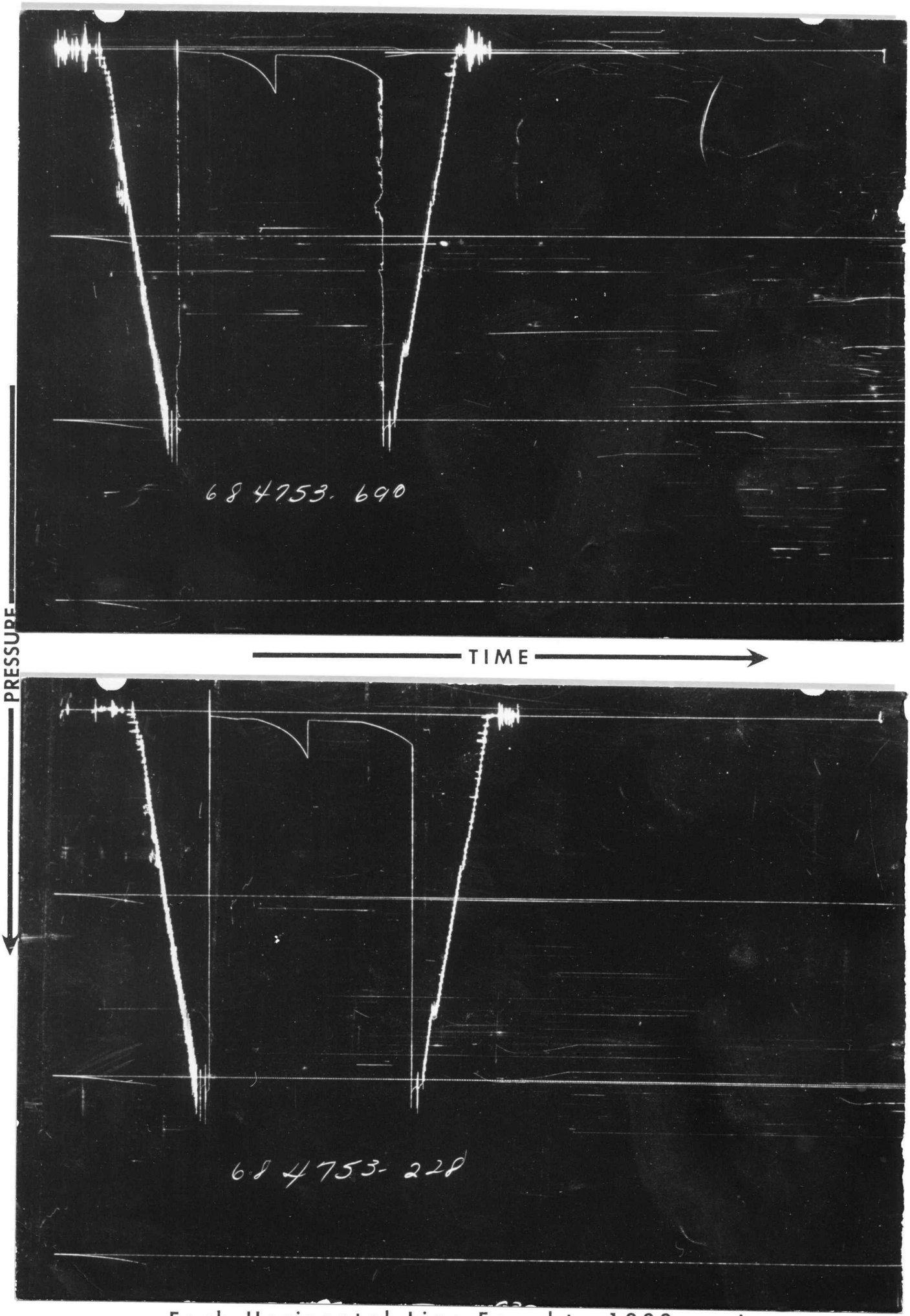
EQUIPMENT DATA

LITTLE'S 5

TEMPERATURE RECORDER CHART



10° each circle



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

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 _____ ° API @ _____ °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	____	@ ____	°F.	____ ppm

Mud Weight 9.9 vis 42 cp

Date 7-24-74 Ticket Number 684754
Kind of Job OPEN HOLE TEST Halliburton District HAYS
Tester MR. SMYLIE Witness MR. HIPPS
Drilling Contractor RED TIGER DRILLING COMPANY #2 PW

EQUIPMENT & HOLE DATA

Formation Tested Kansas City
Elevation 2451' K.B. Ft.
Net Productive Interval _____ Ft.
All Depths Measured From Kelly Bushing
Total Depth 4000' Ft.
Main Hole/Casing Size 7 7/8"
Drill Collar Length 1017' I.D. 2.764"
Drill Pipe Length 2954' I.D. 3.826"
Packer Depth(s) 3972' Ft.
Depth Tester Valve 3970' Ft.

Cushion TYPE _____ AMOUNT _____ Ft. Depth Back Pres. Valve _____ Surface Choke 1/4" Bottom Choke 3/4"

Recovered 10 Feet of Very slightly oil cut watery mud
Recovered _____ Feet of
Recovered _____ Feet of
Recovered _____ Feet of
Recovered _____ Feet of

Mea. From Tester Valve

Remarks Opened tool for a 49 minute first flow period with a weak blow dead in 6 minutes. Closed tool for a 42 minute initial closed in pressure. Reopened tool for a 52 minute second flow period with no blow. Closed tool for a 38 minute final closed in pressure. Tool off bottom.

TEMPERATURE	Gauge No. 690 Depth: 3974 Ft.	Gauge No. 228 Depth: 3996 Ft.	Gauge No. Depth: Ft.	TIME
	12 Hour Clock	12 Hour Clock	Hour Clock	Tool Opened 2:00 A.M. P.M.
Est. °F.	Blanked Off No	Blanked Off Yes	Blanked Off	
3995' Actual 115 °F.	Pressures	Pressures	Pressures	Opened Bypass 5:00 A.M. P.M.

		Field	Office	Field	Office	Field	Office	Reported Minutes	Computed Minutes
Initial Hydrostatic			2103	2103	2114				
First Period	Flow Initial		10	19	24			____	____
	Flow Final		9	19	23			45	49
	Closed in		83	111	96			45	42
Second Period	Flow Initial		24	32	30			____	____
	Flow Final		10	19	24			45	52
	Closed in		33	56	44			45	38
Third Period	Flow Initial							____	____
	Flow Final								
	Closed in								
Final Hydrostatic			2037	2038	2049			____	____

Legal Location Sec. - Twp. - Rng. C-NW-SW- 19 - 13S - 26W
Lease Name FAHEY
Well No. 1
Test No. 3
Tested Interval 3972' - 4000'
Field Area WILDCAT
County GOVE
State KANSAS
Lease Owner/Company Name BEREN CORPORATION

FORM 181—PRINTED IN U.S.A.

FORMATION TEST DATA

LITTLE'S 93974 5M 8/73

TICKET NO. 684754



	O. D.	I. D.	LENGTH	DEPTH
Drill Pipe or Tubing				
Reversing Sub	5.0"	2.75"	12'	
Water Cushion Valve				
Drill Pipe	4.5"	3.826"	2954'	
~~Drill Collars~~ Weight Pipe	4.5"	2.764"	1017'	
Handling Sub & Choke Assembly				
Dual CIP Valve	5.0"	.87"	60"	
Dual CIP Sampler				
Hydro-Spring Tester	5.0"	.75"	60"	3970'
Multiple CIP Sampler				
Extension Joint				
AP Running Case				
Hydraulic Jar				
VR Safety Joint				
Pressure Equalizing Crossover				
Packer Assembly	6.75"	1.53"	48"	3972'
Distributor				
Packer Assembly				
Flush Joint Anchor				
Pressure Equalizing Tube				
~~Blanked-Off~~ B.T. Running Case	5.0"	3.75"	49"	3974'
Drill Collars				
Anchor Pipe Safety Joint				
Packer Assembly				
Distributor				
Packer Assembly				
Anchor Pipe Safety Joint				
Side Wall Anchor				
Drill Collars				
Flush Joint Anchor	5.0"	3.75"	17'	
Blanked-Off B.T. Running Case	5.0"	2.75"	49"	3996'
Total Depth				4000'

FORM 187—PRINTED IN U.S.A.

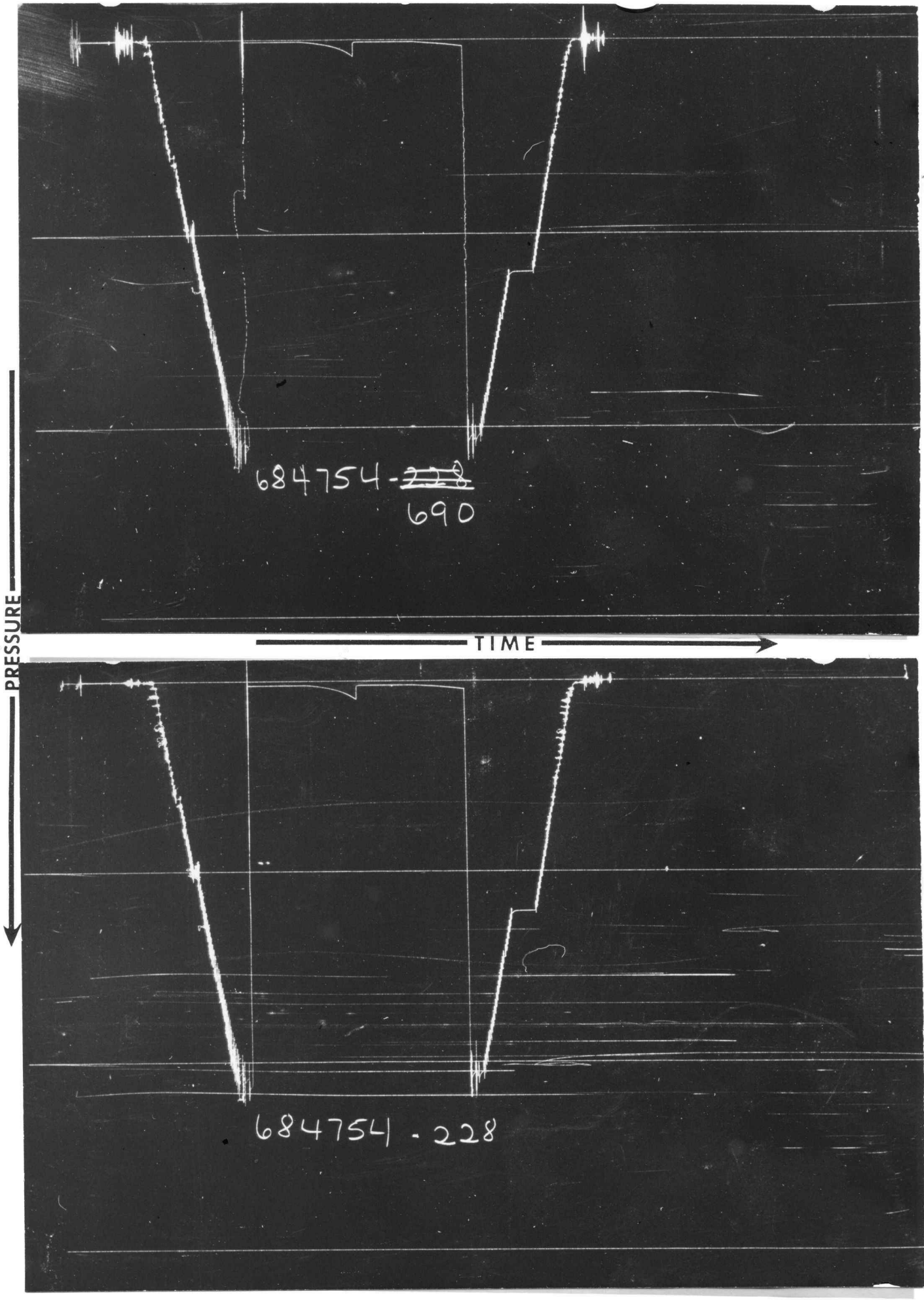
EQUIPMENT DATA

LITTLE'S 93977 5M 8/73

TEMPERATURE RECORDER CHART



10° each circle



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