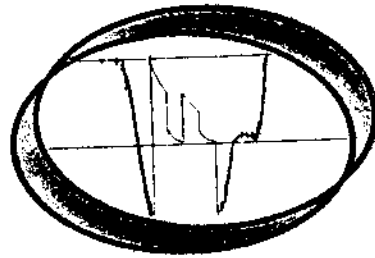
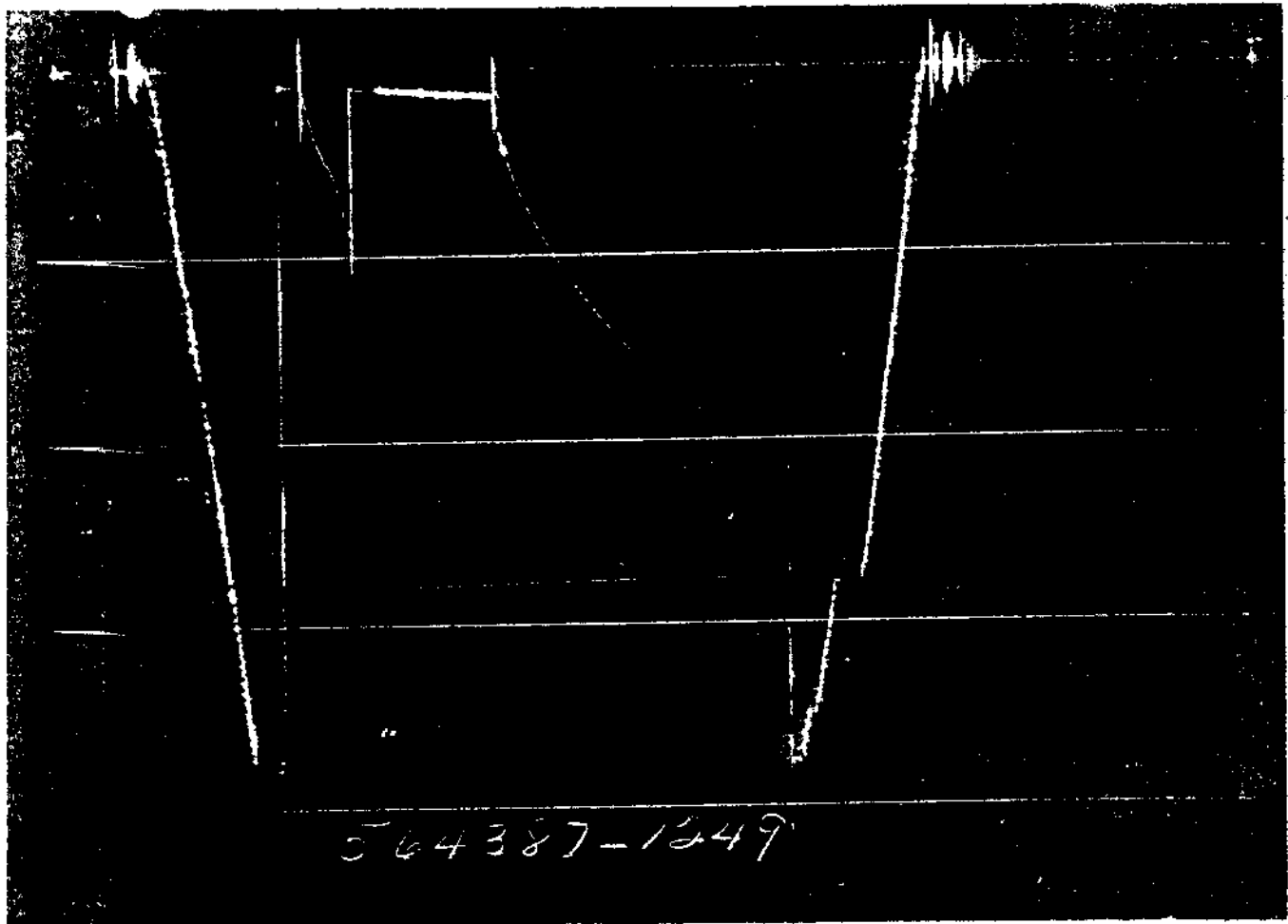


Formation Testing Service Report

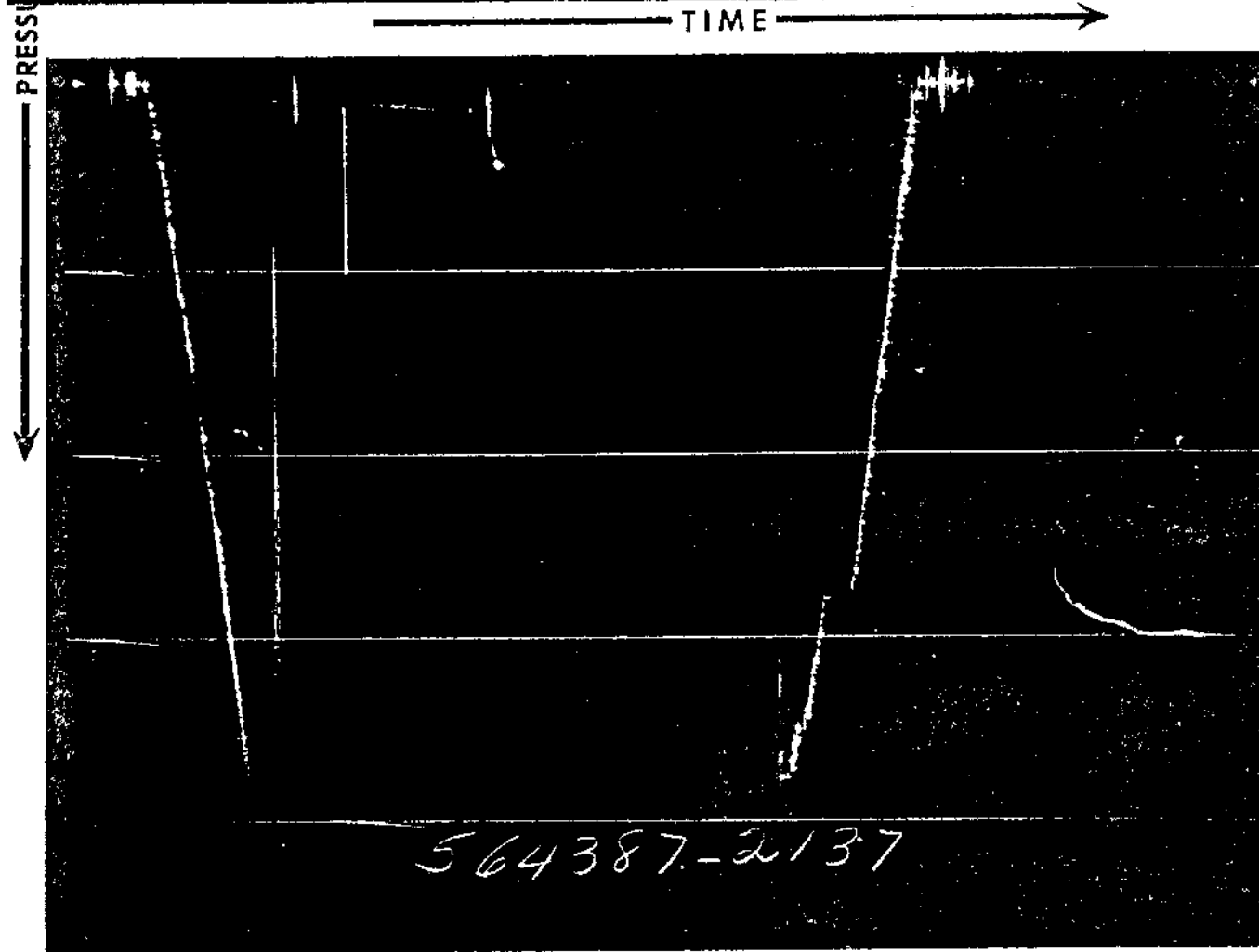
WELL FILE
ONPRA
MENLO PARK
FILE COPY



HALLIBURTON SERVICES
DUNCAN, OKLAHOMA

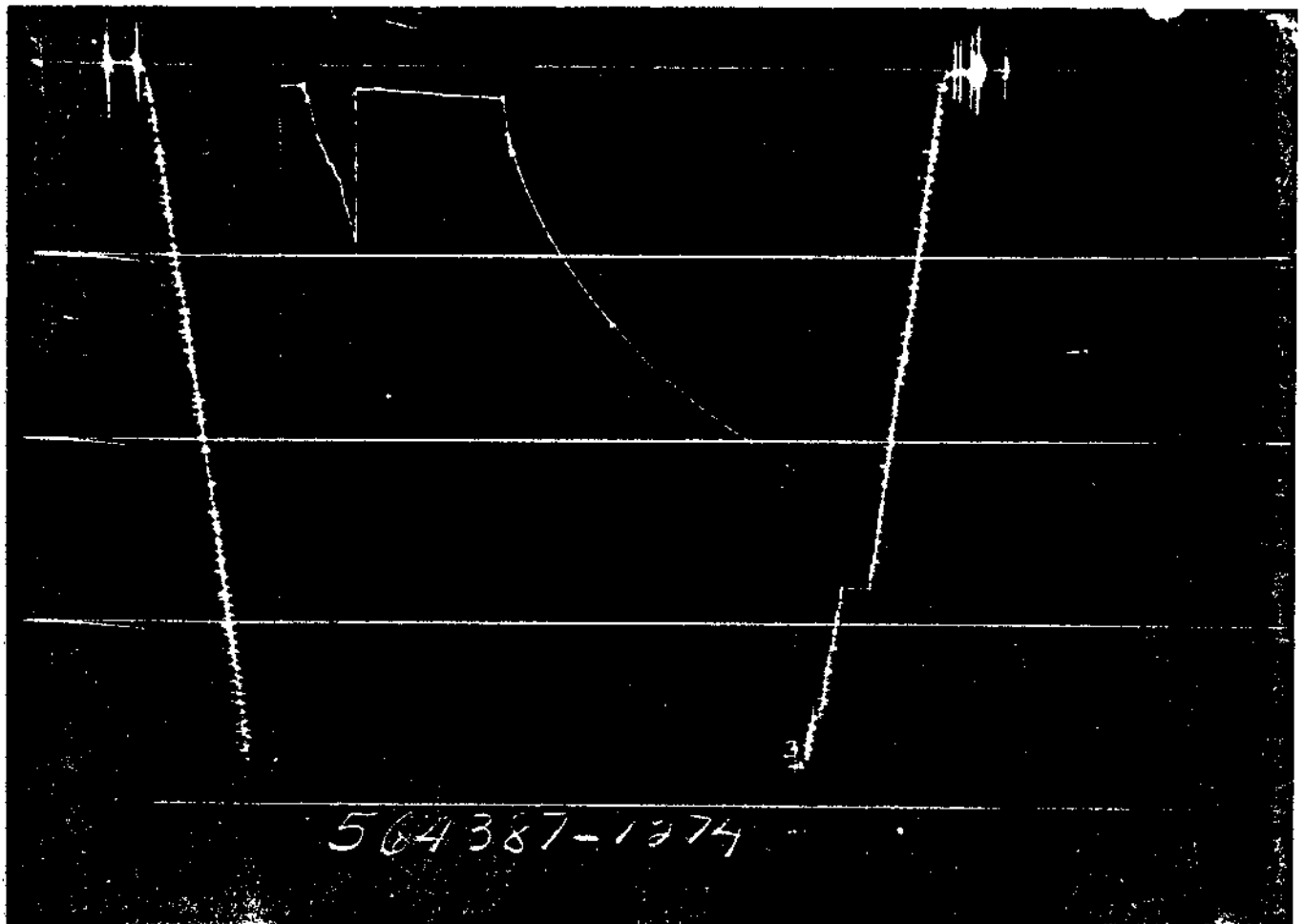
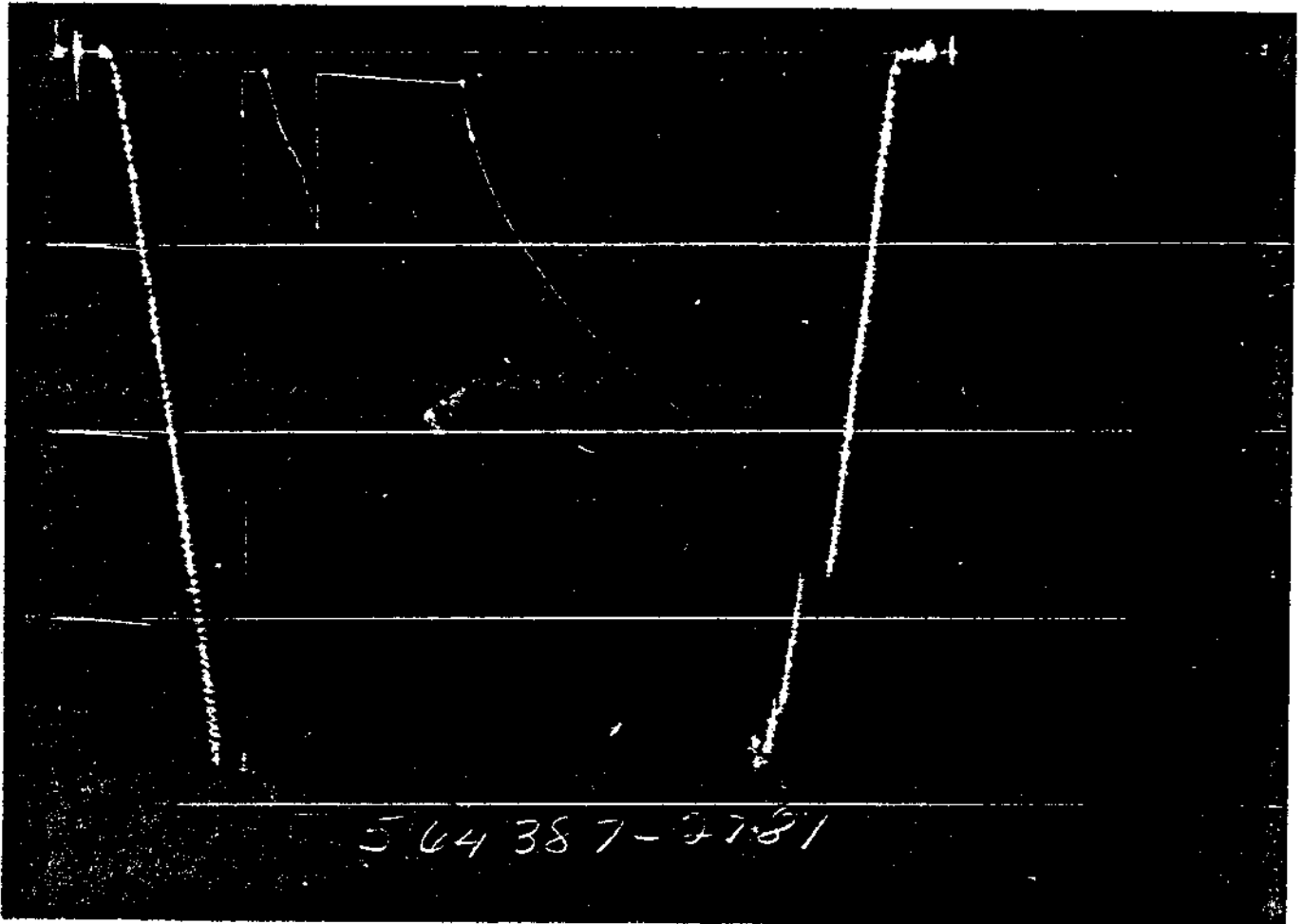


564387-1249

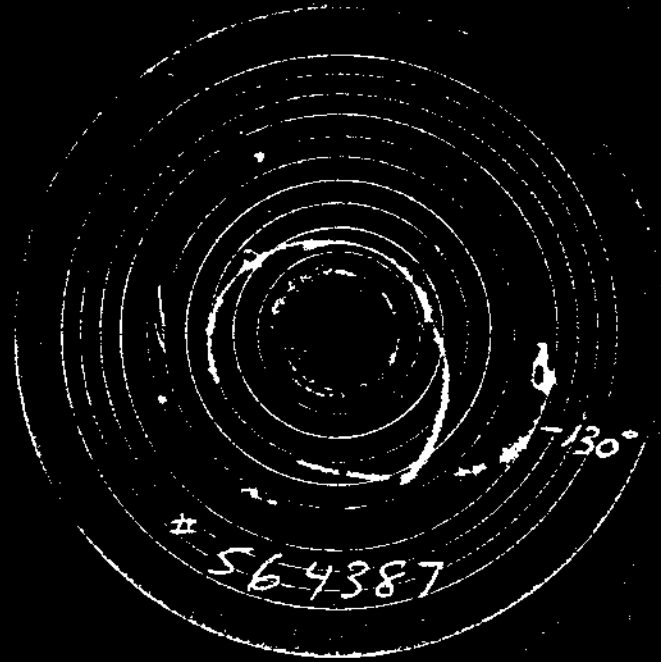


564387-2137

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



TEMPERATURE RECORDER CHART



10° each circle

OF_3	= Theoretical Open Flow Potential with/Damage Removed Max.	MCF/D
OF_4	= Theoretical Open Flow Potential with/Damage Removed Min.	MCF/D
P_s	= Extrapolated Static Pressure	Psig.
P_f	= Final Flow Pressure	Psig.
P_{or}	= Potentiometric Surface (Fresh Water*)	Feet
Q	= Average Adjusted Production Rate During Test	bbls/day
Q_1	= Theoretical Production w/Damage Removed	bbls/day
Q_g	= Measured Gas Production Rate	MCF/D
R	= Corrected Recovery	bbls
r_w	= Radius of Well Bore	Feet
t	= Flow Time	Minutes
t_o	= Total Flow Time	Minutes
T	= Temperature Rankine	°R
Z	= Compressibility Factor	—
μ	= Viscosity Gas or Liquid	CP
Log	= Common Log	

* Potentiometric Surface Reference to Rotary Table When Elevation Not Given,
Fresh Water Corrected to 100° F.

Gauge No.		1249		Depth		6801.4'		Clock No.		16033		24 hour		Ticket No.		564387	
First Flow Period		Closed In Pressure		Second Flow Period		Closed In Pressure		Third Flow Period		Closed In Pressure		PSIG Temp. Corr.		Time Derl. .000"		Log t + θ	
Time Derl. .000"	PSIG Temp. Corr.	Time Derl. .000"	PSIG Temp. Corr.	Time Derl. .000"	PSIG Temp. Corr.	Time Derl. .000"	PSIG Temp. Corr.	Time Derl. .000"	PSIG Temp. Corr.	Time Derl. .000"	PSIG Temp. Corr.	Time Derl. .000"	PSIG Temp. Corr.	Time Derl. .000"	PSIG Temp. Corr.	Time Derl. .000"	PSIG Temp. Corr.
0	.000	126.3	94.0	.000	94.0	.000	103.4	.000	150.5	.000	150.5						
1	.0131*	94.0	.200	.0954**	110.2	.0762***	118.2	.1558	814.6		814.6						
2	.0295	94.0		.1941	126.3	.2354	137.0	.3149	994.6		994.6						
3	.0459	94.0		.2929	137.0	.3916	142.4	.4903	1146.6		1146.6						
4	.0622	94.0		.3916	142.4	.4903	150.5	.5890	1287.9		1287.9						
5	.0786	94.0		.4903	150.5	.5890			1410.6		1410.6						
6	.0950	94.0		.5890					1526.7		1526.7						
7									1631.0		1631.0						
8									1715.2		1715.2						
9									1803.4		1803.4						
10									1882.3		1882.3						
11									1957.2		1957.2						
12									2029.4		2029.4						
13									2096.7		2096.7						
14									2158.6		2158.6						
15																	
Gauge No.		2137		Depth		6805'		Clock No.		8417		hour		24			
0	.000	126.9	.000	.000	104.5	.000	152.1		586.6		586.6						
1	.0132*	92.5	.202	.0967**	111.1	.0770***	119.0	.1574	814.9		814.9						
2	.0298	92.5		.1968	128.3	.2377	138.8	.3181	994.7		994.7						
3	.0463	92.5		.2968	144.1	.3984	152.1	.4788	1151.7		1151.7						
4	.0629	92.5		.3969					1290.2		1290.2						
5	.0794	92.5		.4969					1410.3		1410.3						
6	.0960	92.5		.5970					1526.3		1526.3						
7									1631.5		1631.5						
8									1717.1		1717.1						
9									1803.9		1803.9						
10									1884.2		1884.2						
11									1957.8		1957.8						
12									2028.9		2028.9						
13									2094.7		2094.7						
14									2156.5		2156.5						
15																	
Reading Interval		5		30		24		Minutes									
REMARKS:		*-4 minutes		**-29 minutes		***-23 minutes											

SPECIAL PRESSURE DATA

Gauge No. 2781

Depth 6837'

Clock No. 6727

24 hour

Ticket No.

564387

Flow Period	First			Second			Third				
	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $t + \theta$	PSIG Temp. Corr.	Time Defl. .000"	Log $t + \theta$	PSIG Temp. Corr.	Time Defl. .000"	Log $t + \theta$	PSIG Temp. Corr.
0	.000	144.7	.000		97.3	.000	110.5	.000			
1	.0134*	97.3	.200		921.2	.0962**	113.1	.0759		604.9	
2	.0301	97.3				1.958	126.3	1.551		829.3	
3	.0468	97.3				.2953	136.8	2.344		1002.6	
4	.0635	97.3				.3949	147.3	3.136		1156.9	
5	.0803	97.3				.4944	152.6	3.928		1292.8	
6	.0970	97.3				.5940	160.5	4.720		1416.8	
7								5.512		1527.7	
8								6.305		1632.2	
9								7.097		1716.9	
10								7.889		1804.2	
11								8.681		1884.9	
12								9.473		1959.0	
13								1.0265		2029.1	
14								1.1058		2095.2	
15								1.1850		2157.4	

Gauge No. 1274

Depth 6841.63'

Clock No. 7031

hour 24

Flow Period	First			Second			Third				
	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $t + \theta$	PSIG Temp. Corr.	Time Defl. .000"	Log $t + \theta$	PSIG Temp. Corr.	Time Defl. .000"	Log $t + \theta$	PSIG Temp. Corr.
0	.000	151.8	.000		104.8	.000	120.9	.000			
1	.0134*	106.1	.202		935.8	.0974**	120.9	.0771		166.6	
2	.0301	104.8				1.981	133.0	1.575		596.2	
3	.0468	104.8				.2988	142.4	2.379		827.5	
4	.0635	104.8				.3995	153.2	3.183		1005.3	
5	.0803	104.8				.5003	158.6	3.988		1157.7	
6	.0970	104.8				.6010	166.6	4.792		1296.7	
7								5.596		1418.4	
8								6.400		1533.4	
9								7.205		1639.7	
10								8.009		1724.9	
11								8.813		1810.1	
12								9.617		1891.3	
13								1.0422		1966.8	
14								1.1226		2037.9	
15								1.2030		2102.9	

REMARKS: * -4 minutes ** -29 minutes *** -23 minutes

SPECIAL PRESSURE DATA

	O. D.	I. D.	LENGTH	DEPTH
Drill Pipe or Tubing				
Drill Collars				
Reversing Sub	6.12"	3.00"	1.00'	
Water Casing reversing sub	6.12"	3.00"	1.00'	
Drill Pipe	5.00"	4.276"	6755.37'	
Drill Collars				
Handling Sub & Choke Assembly	6.12"	2.25"	4.80'	
Dual CIP Valve				
Dual CIP Sampler	5.00"	.87"	6.03'	6789.46'
Hydro-Spring Tester	5.00"	.62"	5.95'	6795.49'
Multiple CIP Sampler				
Extension Joint				
AP Running Case	5.00"	3.75"	4.13'	6801.44'
AP RUNNING CASE	5.00"	3.75"	4.14'	6805.57'
Hydraulic Jar	5.00"	1.75"	5.13'	
VR Safety Joint	5.00"	.75"	3.44'	
Pressure Equalizing Crossover				
Packer Assembly	8.10"	1.62"	4.60'	6820'
Distributor				
Packer Assembly				
Flush Joint Anchor	2.88"	2.259"	15.06'	
Pressure Equallizing Tube				
Blanked-Off B.T. Running Case	3.88"		3.96'	6837.94'
B.T. case	3.88"		4.07'	6841.63'
Drill Collars				
Anchor Pipe Safety Joint	3.88"		1.32' HT-500	6847.02'
Packer Assembly				
Distributor				
Packer Assembly				
Anchor Pipe Safety Joint				
Side Wall Anchor				
Drill Collars				
Flush Joint Anchor				
Blanked-Off B.T. Running Case				
Total Depth				6939'