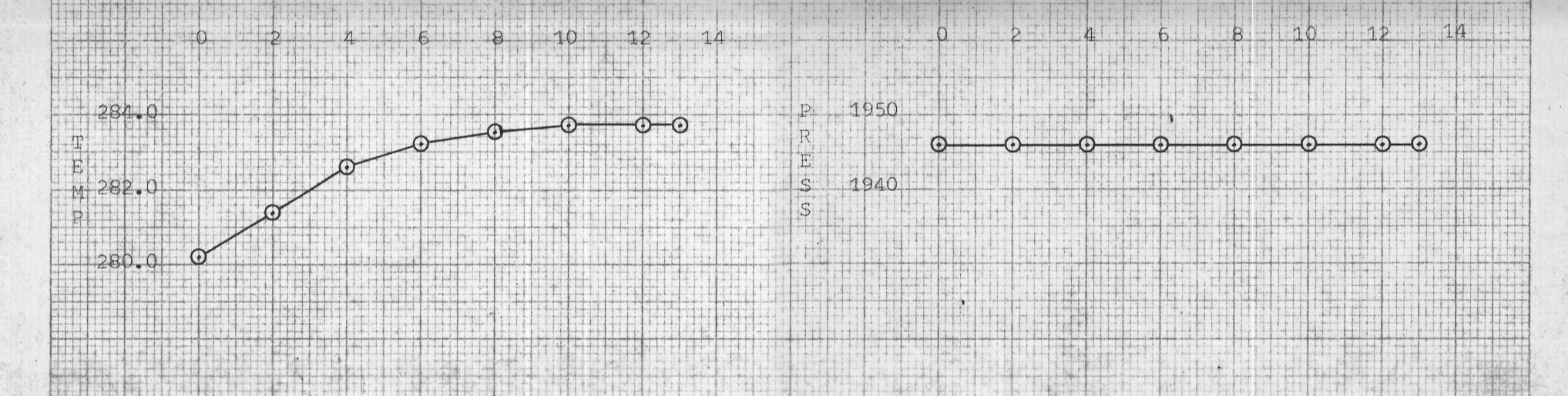
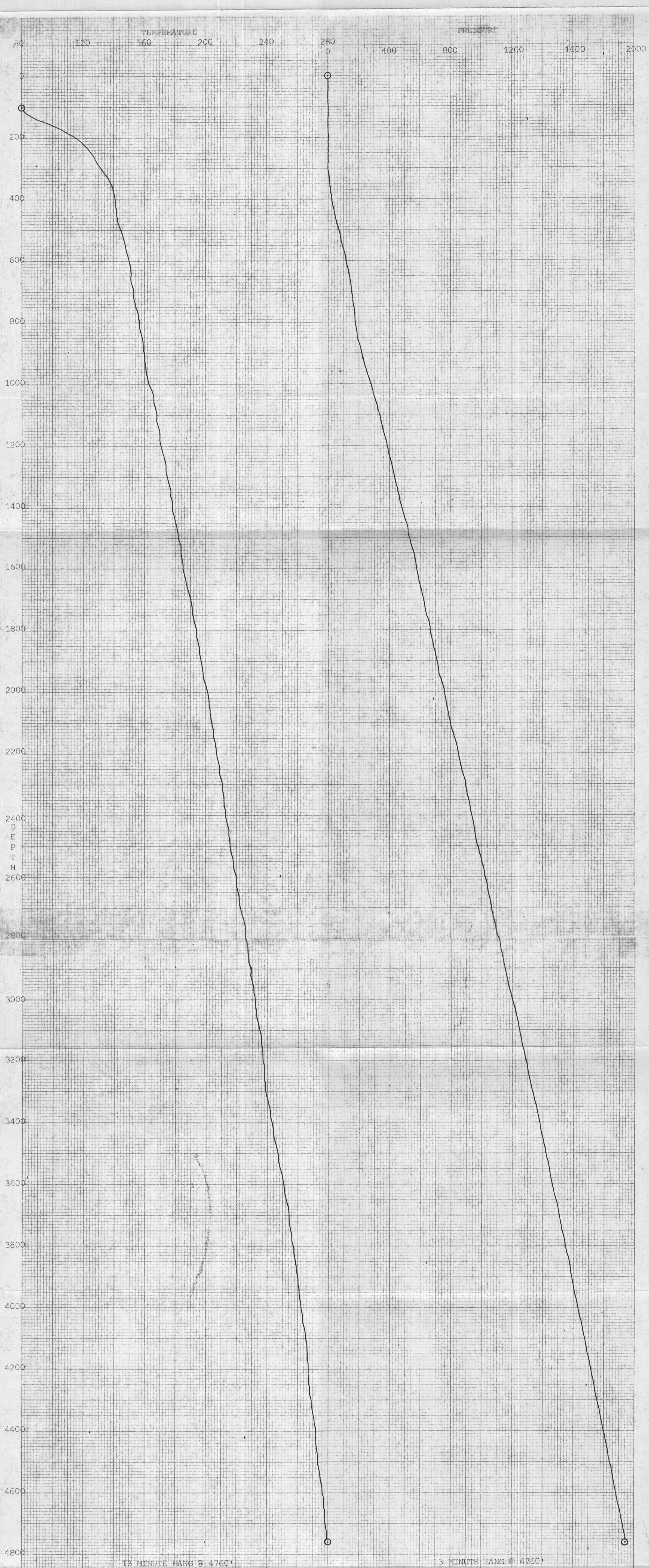


SUBSURFACE SURVEY

OWNER	GETTY OIL COMPANY	FIELD	ROOSEVELT	WELL NAME	KGRA 52-21
CASING	13-5/8" to 2000'	ELEV.		DATE	April 12, 1978
LINER DESCRIPTION				ZERO POINT	D.P. 23'
PERFORATIONS				MPP	
TUBING DETAIL				DEPTH	6252'
				ZONE	

WELL STATUS	Static	PUMP SHOE		ON PRODUCTION		
SURVEYED	TUB. <input type="checkbox"/> ANN <input type="checkbox"/> Casing	SHUT IN		DISENGAGE STYLUS	3:13 pm	
PICK UP @	None made	ENGAGE STYLUS	10:15 am	TIME OFF BOTTOM	2:53 pm	
ELEMENT RANGE	76-646 / 3600	TIME ON BOTTOM	2:40 pm	CLOCK	12 hours / 15	
PURPOSE	STATIC TEMPERATURE & PRESSURE TRAVERSE SURVEY	SERIAL NO.	10025 / 3923N	MAX. # OF TURNS	15	
REMARKS	Traverse 20' per minute. Mud too thick. Instrument stopped @ 4760'				STABILIZATION PERIOD	

DATE	4-12	FINISH	
CASING PSI OBS			
CASING PSI COR			
TUBING PSI OBS			
TUBING PSI COR			
PRESS STATUS	Static open hole		
INSTRUMENT HUNG @	4760'		
BY:	CONNELL & McDONALD		



TEMPERATURE SURVEY						PRESSURE SURVEY					
DEPTH	TEMP.	DEPTH	TEMP.	DEPTH	TEMP.	DEPTH	PRESS.	DEPTH	PRESS.	DEPTH	PRESS.
0		1680	189.1	3340	241.5	0	0	1680	611	3340	1352
20		1700	190.0	3360	242.1	20		1700	620	3360	136.1
40		1720	191.0	3380	242.8	40		1720	631	3380	136.9
60		1740	191.6	3400	243.4	60		1740	637	3400	1376
80		1760	192.6	3420	244.0	80		1760	648	3420	1385
100	80.1	1780	193.5	3440	244.9	100		1780	659	3440	1394
120	83.5	1800	194.2	3460	245.2	120		1800	667	3460	1404
140	90.1	1820	194.8	3480	246.1	140		1820	676	3480	1413
160	100.7	1840	195.8	3500	247.0	160		1840	687	3500	1420
180	108.9	1860	196.4	3520	247.9	180		1860	694	3520	1430
200	115.3	1880	196.7	3540	248.2	200		1880	704	3540	1439
220	120.1	1900	197.4	3560	249.2	220		1900	711	3560	1446
240	124.3	1920	198.3	3580	250.1	240		1920	720	3580	1456
260	127.8	1940	198.9	3600	251.0	260		1940	720	3600	1463
280	129.7	1960	199.9	3620	251.9	280		1960	743	3620	1470
300	132.0	1980	200.5	3640	252.8	300	0	1980	748	3640	1481
320	135.2	2000	201.5	3660	253.4	320	4	2000	757	3660	1499
340	137.1	2020	202.5	3680	254.0	340	9	2020	765	3680	1496
360	139.4	2040	202.8	3700	254.3	360	15	2040	776	3700	1506
380	140.7	2060	203.1	3720	254.9	380	18	2060	783	3720	1515
400	141.3	2080	203.4	3740	255.5	400	24	2080	791	3740	1520
420	141.9	2100	204.4	3760	256.2	420	33	2100	798	3760	1530
440	142.8	2120	205.0	3780	257.5	440	42	2120	813	3780	1539
460	142.9	2140	205.9	3800	257.1	460	48	2140	824	3800	1546
480	143.8	2160	206.5	3820	257.7	480	57	2160	835	3820	1555
500	145.1	2180	207.1	3840	258.6	500	70	2180	844	3840	1568
520	146.7	2200	207.7	3860	259.2	520	79	2200	852	3860	1576
540	147.9	2220	208.0	3880	259.5	540	92	2220	859	3880	1583
560	148.9	2240	209.0	3900	260.1	560	101	2240	869	3900	1590
580	149.9	2260	209.6	3920	260.7	580	110	2260	880	3920	1598
600	150.9	2280	210.2	3940	261.3	600	118	2280	891	3940	1607
620	151.2	2300	211.4	3960	261.9	620	127	2300	898	3960	1616
640	151.5	2320	211.7	3980	262.6	640	134	2320	907	3980	1625
660	151.8	2340	212.3	4000	262.9	660	142	2340	915	4000	1633
680	152.1	2360	212.9	4020	263.5	680	147	2360	924	4020	1640
700	153.1	2380	213.5	4040	263.8	700	154	2380	931	4040	1643
720	153.4	2400	213.8	4060	264.4	720	160	2400	939	4060	1659
740	154.4	2420	214.4	4080	265.0	740	162	2420	943	4080	1666
760	155.6	2440	215.4	4100	265.6	760	169	2440	956	4100	1673
780	156.0	2460	215.4	4120	266.2	780	173	2460	963	4120	1683
800	157.2	2480	216.0	4140	266.5	800	176	2480	972	4140	1690
820	157.5	2500	216.6	4160	266.8	820	180	2500	981	4160	1701
840	158.5	2520	217.5	4180	267.1	840	193	2520	993	4180	1710
860	159.1	2540	218.1	4200	267.4	860	200	2540	1004	4200	1718
880	159.8	2560	218.7	4220	267.7	880	208	2560	1009	4220	1725
900	160.1	2580	219.6	4240	267.9	900	217	2580	1019	4240	1732
920	160.4	2600	220.5	4260	268.2	920	233	2600	1028	4260	1742
940	161.4	2620	220.8	4280	268.8	940	239	2620	1037	4280	1751
960	161.7	2640	221.7	4300	269.1	960	252	2640	1044	4300	1758
980	162.6	2660	222.4	4320	269.7	980	267	2660	1052	4320	1769
1000	163.9	2680	222.7	4340	270.3	1000	279	2680	1061	4340	1777
1020	165.2	2700	223.9	4360	271.1	1020	292	2700	1070	4360	1784
1040	166.1	2720	224.5	4380	271.5	1040	301	2720	1080	4380	1793
1060	166.8	2740	225.1	4400	272.0	1060	314	2740	1089	4400	1801
1080	167.4	2760	226.0	4420	272.3	1080	327	2760	1096	4420	1810
1100	168.1	2780	226.6	4440	272.5	1100	335	2780	1106	4440	1817
1120	168.7	2800	226.9	4460	273.2	1120	346	2800	1115	4460	1825
1140	169.3	2820	227.5	4480	273.5	1140	351	2820	1122	4480	1832
1160	170.0	2840	227.8	4500	273.8	1160	364	2840	1130	4500	1843
1180	170.9	2860	228.1	4520	274.7	1180	375	2860	1137	4520	1851
1200	171.6	2880	228.4	4540	275.3	1200	386	2880	1144	4540	1858
1220	172.5	2900	229.1	4560	275.8	1220	393	2900	1154	4560	1865
1240	173.5	2920	229.7	4580	276.4	1240	404	2920	1163	4580	1875
1260	174.1	2940	230.6	4600	276.7	1260	414	2940	1172	4600	1884
1280	174.7	2960	231.2	4620	277.0	1280	423	2960	1181	4620	1893
1300	175.4	2980	231.8	4640	277.6	1300	432	2980	1191	4640	1900
1320	176.3	3000	232.4	4660	278.2	1320	443	3000	1200	4660	1908
1340	177.0	3020	232.7	4680	278.5	1340	452	3020	1209	4680	1917
1360	177.9	3040	233.6	4700	278.8	1360	461	3040	1219	4700	1924
1380	178.2	3060	233.9	4720	279.1	1380	472	3060	1228	4720	1932
1400	178.9	3080	234.5	4740	279.6	1400	482	3080	1237	4740	1939
1420	179.5	3100	235.1	4760	280.2	1420	493	3100	1246	4760	1946
1440	180.5	3120	236.1			1440	504	3120	1256		
1460	181.4	3140	236.7	13 MINUTE HANG @ 4760'		1460	515	3140	1263	13 MINUTE HANG @ 4760'	
1480	182.1	3160	237.0	0	280.2	1480	522	3160	1270	0	1946
1500	182.7	3180	237.6	2 min.	281.4	1500	530	3180	1281	2 min.	1946
1520	183.3	3200	237.9	4	282.6	1520	539	3200	1289	4	1946
1540	184.0	3220	238.5	6	283.2	1540	549	3220	1296	6	1946
1560	184.6	3240	238.5	8	283.5	1560	556	3240	1306	8	1946
1580	185.3	3260	238.8	10	283.7	1580	567	3260	1315	10	1946
1600	185.9	3280	239.4	12	283.7	1600	574	3280	1324	12	1946
1620	186.8	3300	239.7	13	283.7	1620	583	3300	1331	13	1946
1640	187.8	3320	240.6			1640	593	3320	1343		
1660	188.4					1660	602				