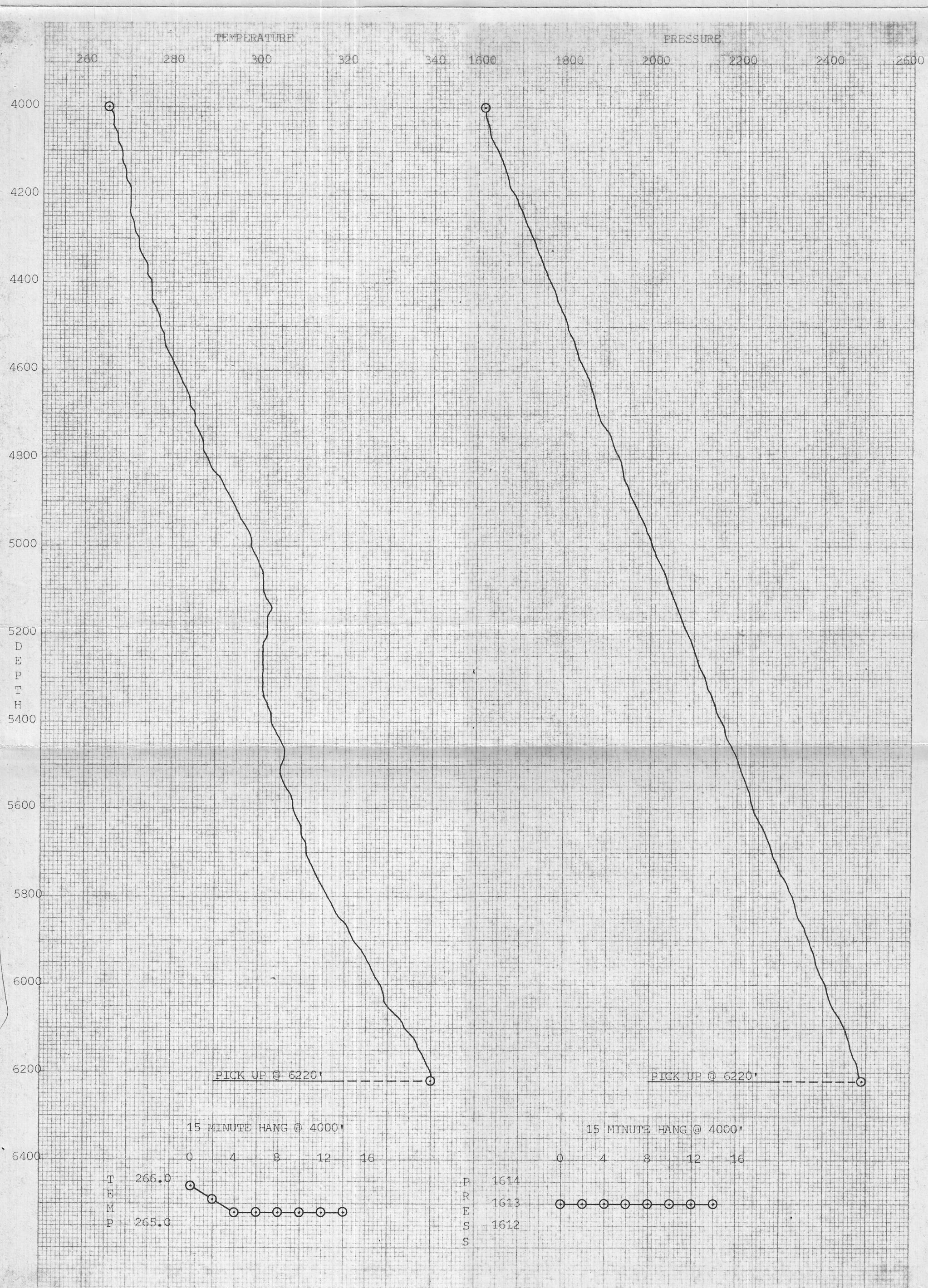


SUBSURFACE SURVEY

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.F. 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	7:03 pm
PICK UP @	6220'	ENGAGE STYLUS	3:24 pm	TIME OFF BOTTOM	4:44 pm
ELEMENT RANGE	76-646 / 3600	TIME ON BOTTOM	3:41 pm	CLOCK 12 hour TURN	6220'
PURPOSE	STATIC TEMPERATURE & PRESSURE TRAVERSE SURVEY	SERIAL NO.	10025 / 3923N	MAX. °F	340.8 @ 6220'
REMARKS:	Traverse 20' per minute. Ran survey from 6220' back to 4000'				

STABILIZATION PERIOD		
PRESSURES:	START	FINISH
DATE	4-12	
CASING PSI OBS		
CASING PSI COR		
TUBING PSI OBS		
TUBING PSI COR		
PRESS. STATUS	Static	
INSTRUMENT HUNG @	6220' & 4000'	
BY:	CONNELL	



TEMPERATURE SURVEY						PRESSURE SURVEY					
DEPTH	TEMP	DEPTH	TEMP	DEPTH	TEMP	DEPTH	PRESS	DEPTH	PRESS	DEPTH	PRESS
4000	265.9	4820	289.3	5640	310.1	4000	1613	4820	1932	5640	2258
4020	266.2	4840	291.1	5660	310.7	4020	1616	4840	1935	5660	2268
4040	266.5	4860	292.5	5680	311.2	4040	1622	4860	1945	5680	2275
4060	267.1	4880	293.7	5700	311.8	4060	1627	4880	1950	5700	2280
4080	267.7	4900	294.6	5720	312.4	4080	1635	4900	1961	5720	2290
4100	268.2	4920	295.7	5740	313.3	4100	1644	4920	1970	5740	2297
4120	268.5	4940	296.6	5760	315.0	4120	1653	4940	1980	5760	2310
4140	269.1	4960	297.5	5780	316.2	4140	1661	4960	1989	5780	2319
4160	269.4	4980	298.1	5800	316.8	4160	1668	4980	1996	5800	2327
4180	270.0	5000	298.7	5820	317.4	4180	1673	5000	2002	5820	2332
4200	270.3	5020	299.5	5840	318.8	4200	1685	5020	2011	5840	2338
4220	270.6	5040	300.4	5860	320.0	4220	1692	5040	2022	5860	2349
4240	270.9	5060	301.3	5880	321.5	4240	1701	5060	2030	5880	2354
4260	271.5	5080	301.6	5900	322.6	4260	1708	5080	2035	5900	2365
4280	271.8	5100	301.9	5920	324.1	4280	1718	5100	2044	5920	2373
4300	272.3	5120	302.2	5940	325.3	4300	1725	5120	2050	5940	2380
4320	272.9	5140	303.0	5960	326.1	4320	1732	5140	2061	5960	2387
4340	273.2	5160	302.8	5980	327.3	4340	1742	5160	2068	5980	2397
4360	274.1	5180	302.5	6000	328.4	4360	1751	5180	2077	6000	2406
4380	274.4	5200	302.5	6020	329.0	4380	1758	5200	2087	6020	2411
4400	275.0	5220	301.9	6040	329.6	4400	1766	5220	2094	6040	2417
4420	275.3	5240	301.9	6060	331.3	4420	1775	5240	2101	6060	2430
4440	275.6	5260	301.9	6080	333.0	4440	1780	5260	2109	6080	2441
4460	276.4	5280	301.9	6100	334.8	4460	1790	5280	2116	6100	2450
4480	277.0	5300	301.9	6120	336.2	4480	1799	5300	2125	6120	2456
4500	277.6	5320	301.9	6140	337.4	4500	1806	5320	2131	6140	2463
4520	278.2	5340	301.9	6160	338.2	4520	1812	5340	2140	6160	2467
4540	278.8	5360	302.2	6180	339.7	4540	1823	5360	2148	6180	2478
4560	279.6	5380	303.3	6200	340.5	4560	1831	5380	2155	6200	2483
4580	280.5	5400	303.6	6220	340.8	4580	1836	5400	2164	6220	2491
4600	281.4	5420	304.5			4600	1847	5420	2170		
4620	282.5	5440	305.1	15 MINUTE HANG @ 4000'		4620	1854	5440	2177	15 MINUTE HANG @ 4000'	
4640	283.5	5460	306.0	0	265.9	4640	1860	5460	2188	0	1613
4660	284.0	5480	306.0	2 min.	265.6	4660	1871	5480	2197	2 min.	1613
4680	284.9	5500	305.7	4	265.3	4680	1880	5500	2203	4	1613
4700	285.2	5520	305.7	6	265.3	4700	1887	5520	2210	6	1613
4720	285.8	5540	306.9	8	265.3	4720	1895	5540	2218	8	1613
4740	286.4	5560	307.7	10	265.3	4740	1904	5560	2227	10	1613
4760	287.0	5580	308.3	12	265.3	4760	1910	5580	2231	12	1613
4780	287.5	5600	308.9	14	265.3	4780	1917	5600	2236	14	1613
4800	288.7	5620	309.8	15	265.3	4800	1928	5620	2245	15 min.	1613