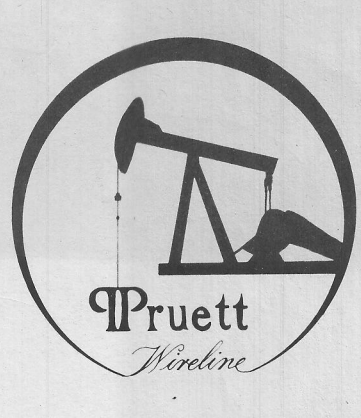


PRUETT WIRELINE SERVICE

4600 DE ETTE AVE., BAKERSFIELD, CA 93309
(805) 832-2280



SUB-SURFACE TEMPERATURE SURVEY

COMPANY Getty Oil FIELD Milford WELL NAME KGRA 52-2/1

TOTAL DEPTH 7500' WELL STATUS Static BOMB HUNG @ none DATE October 22, 1973

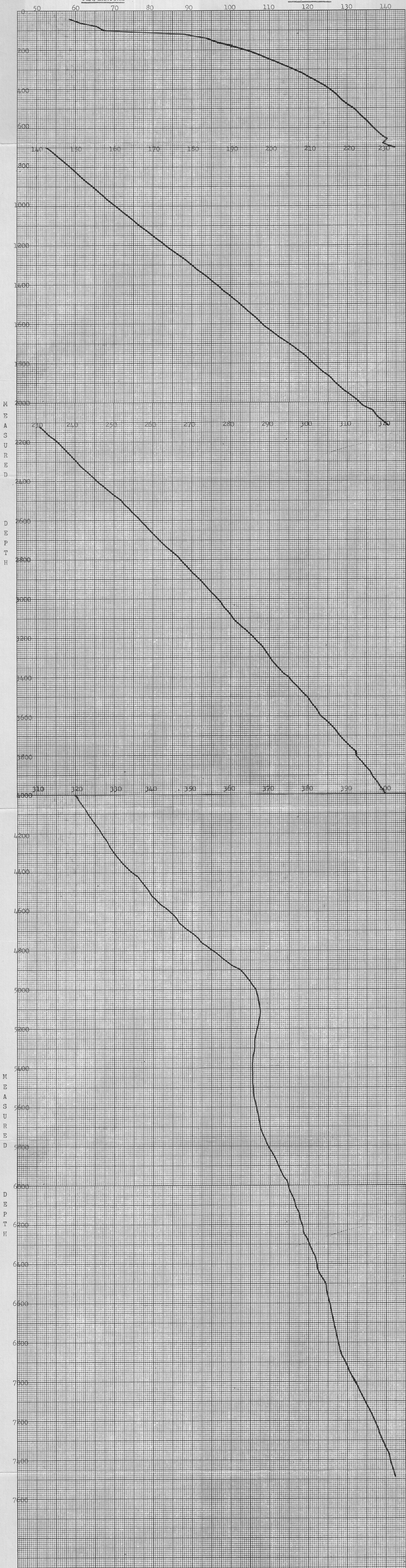
CASING 8 5/8" @ 2023' CASING PRESSURE 0 TIME ON BOTTOM 2:25pm ELEMENT RANGE 50-474

LINER none TUBING PRESSURE 0 TIME OFF BOTTOM 3:57pm ZERO POINT 22.0'

PERFORATIONS none ZONE none SHUT IN none ELEVATION none

MPP none MAX. #F. 402.4 ON PRODUCTION none PICKUP 7490'

TUBING DETAIL none PURPOSE Traverse Temperature Survey/Stop Checks



SURVEY DATA

DEPTH	TEMPERATURE	DEPTH	TEMPERATURE	DEPTH	TEMP.	DEPTH	TEMPERATURE	DEPTH	TEMPERATURE
40	58.4	1520	193.8	3020	277.6	4520	339.6	6020	375.1
60	61.2	1540	194.8	3040	278.2	4540	340.7	6040	375.5
80	65.6	1560	195.9	3060	279.1	4560	341.8	6060	375.9
100	67.2	1580	196.9	3080	279.9	4580	342.9	6080	376.4
120	88.4	1600	198.0	3100	280.6	4600	344.3	6100	376.6
140	93.8	1620	199.2	3120	281.6	4620	345.4	6120	377.0
160	96.5	1640	200.5	3140	282.7	4640	346.2	6140	377.5
180	100.3	1660	202.0	3160	283.9	4660	346.7	6160	377.7
200	103.3	1680	203.6	3180	285.0	4680	348.0	6180	378.1
220	106.3	1700	205.1	3200	286.0	4700	349.3	6200	378.4
240	109.0	1720	206.4	3220	287.1	4720	350.4	6220	378.6
260	111.8	1740	207.6	3240	287.9	4740	351.7	6240	378.8
280	114.0	1760	208.9	3260	288.7	4760	352.4	6260	379.5
300	116.4	1780	209.9	3280	289.4	4780	353.9	6280	379.9
320	118.8	1800	211.2	3300	290.0	4800	355.3	6300	380.3
340	120.4	1820	212.4	3320	290.8	4820	356.6	6320	380.8
360	122.4	1840	213.5	3340	291.7	4840	357.7	6340	381.2
380	124.2	1860	214.9	3360	292.7	4860	359.2	6360	381.7
400	125.4	1880	215.9	3380	293.6	4880	360.5	6380	381.9
420	126.8	1900	216.7	3400	294.9	4900	362.5	6400	382.3
440	127.8	1920	218.0	3420	295.7	4920	363.4	6420	382.3
460	128.8	1940	219.2	3440	296.8	4940	364.3	6440	382.8
480	130.0	1960	220.6	3460	297.7	4960	364.9	6460	383.2
500	131.6	1980	221.9	3480	298.7	4980	365.6	6480	383.9
520	132.8	2000	223.1	3500	299.8	5000	366.5	6500	384.4
540	133.8	2020	224.3	3520	300.4	5020	366.7	6520	384.6
560	134.8	2040	226.6	3540	301.1	5040	366.9	6540	384.8
580	135.8	2060	227.2	3560	302.0	5060	367.1	6560	385.0
600	136.8	2080	228.2	3580	302.6	5080	367.4	6580	385.3
620	137.8	2100	229.4	3600	303.2	5100	367.6	6600	385.5
640	139.0	2120	230.7	3620	304.5	5120	367.6	6620	385.7
660	140.2	2140	231.9	3640	305.6	5140	367.4	6640	385.9
680	139.2	2160	233.1	3660	306.5	5160	367.1	6660	386.2
700	142.4	2180	234.4	3680	307.3	5180	366.9	6680	386.4
720	143.8	2200	235.6	3700	308.2	5200	366.7	6700	386.6
740	145.0	2220	236.4	3720	309.0	5220	366.5	6720	386.8
760	146.4	2240	237.6	3740	310.1	5240	366.3	6740	387.1
780	147.6	2260	238.5	3760	311.2	5260	366.0	6760	387.3
800	148.8	2280	239.5	3780	312.5	5280	365.7	6780	387.5
820	149.0	2300	240.3	3800	313.3	5300	365.0	6800	387.7
840	151.8	2320	241.3	3820	313.3	5320	365.0	6820	388.0
860	152.4	2340	242.6	3840	314.2	5340	365.0	6840	388.2
880	155.0	2360	243.6	3860	314.9	5360	365.6	6860	388.6
900	156.6	2380	244.8	3880	315.9	5380	365.6	6880	389.1
920	156.8	2400	245.8	3900	316.4	5400	365.6	6900	389.5
940	158.0	2420	247.1	3920	317.2	5420	365.6	6920	390.0
960	158.0	2440	248.3	3940	317.9	5440	365.6	6940	390.4
980	159.2	2460	249.5	3960	318.7	5460	365.6	6960	390.9
1000	160.4	2480	250.8	3980	319.4	5480	365.6	6980	391.6
1020	161.6	2500	252.0	4000	319.8	5500	365.8	7000	392.0
1040	163.0	2520	252.8	4020	320.4	5520	365.8	7020	392.7
1060	164.2	2540	253.9	4040	321.1	5540	365.8	7040	392.9
1080	165.4	2560	254.7	4060	321.9	5560	366.0	7060	393.6
1100	166.6	2580	255.8	4080	322.6	5580	366.3	7080	394.0
1120	168.0	2600	256.8	4100	323.2	5600	366.5	7100	394.5
1140	169.2	2620	257.9	4120	324.1	5620	366.7	7120	394.9
1160	170.5	2640	258.7	4140	324.5	5640	366.9	7140	395.6
1180	171.9	2660	259.8	4160	325.4	5660	367.1	7160	396.1
1200	173.2	2680	260.6	4180	326.0	5680	367.4	7180	396.5
1220	174.7	2700	261.7	4200	326.7	5700	367.6	7200	397.0
1240	176.1	2720	262.7	4220	327.3	5720	367.8	7220	397.4
1260	177.4	2740	263.8	4240	328.2	5740	368.2	7240	397.9
1280	178.9	2760	265.0	4260	328.6	5760	368.7	7260	398.3
1300	179.7	2780	266.3	4280	329.3	5780	369.1	7280	398.8
1320	181.2	2800	266.9	4300	329.9	5800	369.6	7300	399.2
1340	182.6	2820	268.0	4320	330.8	5820	370.2	7320	399.7
1360	183.9	2840	269.0	4340	331.6	5840	370.7	7340	400.1
1380	185.0	2860	269.8	4360	332.7	5860	371.3	7360	400.6
1400	186.4	2880	270.9	4380	333.6	5880	371.8	7380	401.0
1420	187.5	2900	271.9	4400	334.6	5900	372.2	7400	401.5
1440	188.7	2920	272.8	4420	335.9	5920	372.6	7420	401.7
1460	190.0	2940	273.8	4440	336.8	5940	373.1	7440	401.9
1480	191.3	2960	274.7	4460	337.7	5960	373.4	7460	401.9
1500	192.5	2980	275.7	4480	338.3	5980	374.1	7480	402.1
		3000	276.8	4500	339.2	6000	374.8	7490	402.4

COMMENTS: Instrument Serial No. 31, calibrated 6-78.
Survey traversed 20' per minute.

D Pruett