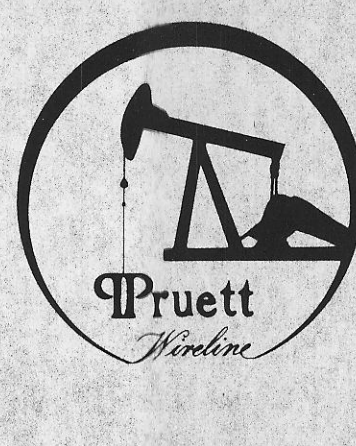


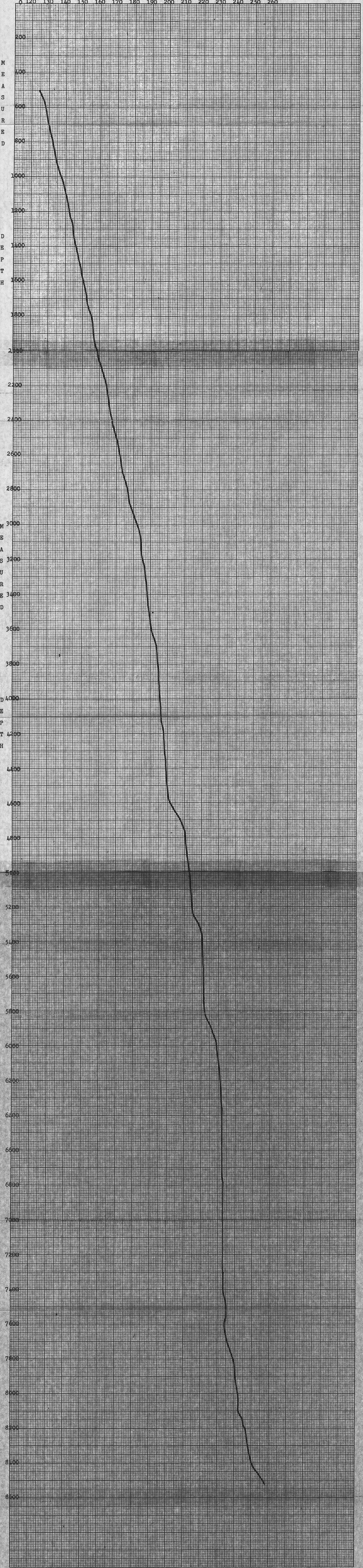
PRUETT WIRELINE SERVICE

8915 ROSEDALE HWY., BAKERSFIELD, CA 93308
(805) 589-2768



SUB-SURFACE TEMPERATURE SURVEY

COMPANY Sunedco FIELD Grass Valley WELL NAME USA 17-36
 TOTAL DEPTH 2700' WELL STATUS Static BOMB HUNG @ none DATE July 1, 1980
 CASING 2700' CASING PRESSURE --- TIME ON BOTTOM 1:46am 7-2 ELEMENT RANGE 100-580'
 LINER --- TUBING PRESSURE --- SHUT OFF BOTTOM 1:56am ZERO POINT Rig Floor
 PERFORATIONS --- ZONE --- SHUT IN --- ELEVATION ---
 MPP --- MAX. °F 258.11° ON PRODUCTION --- PICKUP 8526'
 TUBING DETAIL --- PURPOSE Traverse Temperature Survey



SURVEY TRAVERSED 20' PER MINUTE.

SURVEY DATA

Chuck Skenfield

DEPTH	TEMP.	DEPTH	TEMP.	DEPTH	TEMP.	DEPTH	TEMP.	DEPTH	TEMP.	DEPTH	TEMP.
500	124.63	1860	156.21	3180	185.05	4520	200.21	5860	221.21	7200	233.05
520	125.26	1880	156.21	3200	185.47	4540	200.42	5880	222.05	7220	233.05
540	125.52	1900	156.21	3220	186.21	4560	200.62	5900	222.11	7240	233.05
560	127.16	1920	156.12	3240	186.53	4580	201.05	5920	226.74	7260	233.05
580	127.58	1940	156.84	3260	186.74	4600	201.89	5940	227.37	7280	233.05
600	128.00	1960	157.05	3280	186.95	4620	203.16	5960	228.21	7300	233.26
620	128.42	1980	157.68	3300	187.16	4640	204.42	5980	228.84	7320	233.26
640	128.84	1980	158.11	3320	187.37	4660	205.68	6000	229.26	7340	233.26
660	129.26	2000	158.95	3340	187.79	4680	206.74	6020	229.47	7360	233.26
680	129.68	2020	158.95	3360	188.00	4700	207.79	6040	229.68	7380	233.26
700	130.32	2040	159.16	3380	188.21	4720	208.63	6060	229.89	7400	233.26
720	130.74	2060	160.21	3400	188.42	4740	209.47	6080	230.11	7420	233.47
740	131.16	2080	161.05	3420	188.63	4760	210.11	6100	230.32	7440	234.11
760	131.58	2100	161.47	3440	188.84	4780	210.53	6120	230.53	7460	234.74
780	132.00	2120	162.11	3460	189.05	4800	210.74	6140	230.74	7480	234.95
800	132.42	2140	162.53	3480	189.26	4820	210.95	6160	230.95	7500	234.95
820	132.63	2160	162.95	3500	189.47	4840	210.95	6180	231.16	7520	234.95
840	133.05	2180	163.79	3520	189.68	4860	211.37	6200	231.37	7540	234.95
860	133.47	2200	164.42	3540	190.11	4880	211.58	6220	231.58	7560	234.95
880	133.89	2220	164.63	3560	190.11	4900	212.00	6240	231.79	7580	234.32
900	134.32	2240	164.84	3580	190.32	4920	212.21	6260	231.99	7600	234.32
920	134.74	2260	165.05	3600	190.74	4940	212.42	6280	232.20	7620	234.32
940	135.17	2280	165.47	3620	191.16	4960	212.63	6300	232.40	7640	234.53
960	135.60	2300	165.68	3640	192.00	4980	212.84	6320	232.61	7660	234.95
980	136.03	2320	166.11	3660	192.84	5000	213.05	6340	232.81	7680	235.58
1000	137.26	2340	166.32	3680	193.26	5020	213.25	6360	232.81	7700	236.00
1020	138.32	2360	166.53	3700	193.47	5040	213.47	6380	232.81	7720	236.84
1040	138.95	2380	166.95	3720	193.89	5060	213.67	6400	232.81	7740	237.47
1060	139.37	2400	167.37	3740	194.11	5080	213.68	6420	232.81	7760	238.32
1080	139.79	2420	167.79	3760	194.32	5100	213.89	6440	232.81	7780	238.74
1100	140.21	2440	168.21	3780	194.32	5120	214.11	6460	232.81	7800	239.37
1120	140.84	2460	168.84	3800	194.74	5140	214.32	6480	232.81	7820	240.11
1140	141.05	2480	169.57	3820	195.16	5160	214.53	6500	232.81	7840	240.21
1160	141.47	2500	170.11	3840	195.16	5180	214.74	6520	232.81	7860	240.42
1180	141.89	2520	170.74	3860	195.16	5200	214.95	6540	232.81	7880	240.42
1200	142.11	2540	170.95	3880	195.16	5220	215.16	6560	232.81	7900	240.63
1220	142.53	2560	171.37	3900	195.16	5240	215.16	6580	232.81	7920	241.05
1240	143.37	2580	171.79	3920	195.16	5260	216.21	6600	232.81	7940	241.26
1260	144.21	2600	172.00	3940	195.37	5280	216.68	6620	232.81	7960	241.68
1280	144.42	2620	172.42	3960	195.37	5300	218.74	6640	232.81	7980	241.89
1300	144.63	2640	172.63	3980	195.58	5320	219.37	6660	232.81	8000	242.11
1320	144.84	2660	172.84	4000	195.79	5340	220.00	6680	232.81	8020	242.11
1340	144.84	2680	173.26	4020	196.00	5360	220.63	6700	232.81	8040	242.11
1360	145.26	2700	173.68	4040	196.21	5380	220.63	6720	232.81	8060	242.11
1380	145.68	2720	174.53	4060	196.21	5400	220.63	6740	233.05	8080	242.11
1400	146.11	2740	175.16	4080	196.42	5420	220.84	6760	233.05	8100	242.11
1420	146.53	2760	176.00	4100	196.63	5440	220.84	6780	233.05	8120	243.58
1440	146.95	2780	176.42	4120	196.63	5460	220.84	6800	233.05	8140	244.89
1460	147.58	2800	177.84	4140	197.05	5480	221.05	6820	233.05	8160	245.26
1480	148.00	2820	177.26	4160	197.68	5500	221.05	6840	233.05	8180	245.26
1500	148.63	2840	177.26	4180	197.89	5520	221.05	6860	233.05	8200	245.53
1520	149.05	2860	177.47	4200	198.11	5540	221.05	6880	233.05	8220	246.95
1540	149.68	2880	177.89	4220	198.11	5560	221.26	6900	233.05	8240	247.37
1560	149.68	2900	178.74	4240	198.11	5580	221.26	6920	233.05	8260	247.58
1580	150.11	2920	179.37	4260	198.32	5600	221.26	6940	233.05	8280	248.00
1600	150.11	2940	180.00	4280	198.53	5620	221.47	6960	233.05	8300	248.21
1620	150.53	2960	181.05	4300	198.53	5640	221.47	6980	233.05	8320	248.63
1640	151.58	2980	181.68	4320	198.74	5660	221.47	7000	233.05	8340	249.05
1660	151.79	3000	182.53	4340	198.95	5680	221.47	7020	233.05	8360	249.47
1680	152.42	3020	182.95	4360	199.16	5700	221.47	7040	233.05	8380	249.89
1700	152.63	3040	183.58	4380	199.16	5720	221.68	7060	233.05	8400	250.32
1720	153.05	3060	184.00	4400	199.37	5740	221.68	7080	233.05	8420	251.16
1740	153.26	3080	184.21	4420	199.37	5760	221.68	7100	233.05	8440	252.42
1760	153.89	3100	184.42	4440	199.58	5780	221.89	7120	233.05	8460	254.32
1780	154.32	3120	184.63	4460	199.79	5800	221.89	7140	233.05	8480	255.37
1800	155.37	3140	184.63	4480	199.79	5820	222.32	7160	233.05	8500	257.07
1820	155.79	3160	184.63	4500	200.00	5840	223.16	7180	233.05	8526	258.11