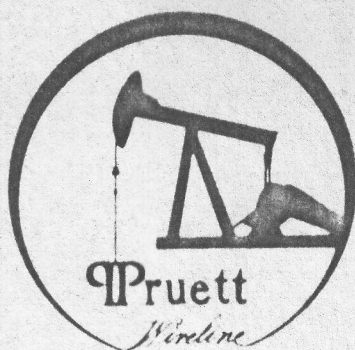


PRUETT WIRELINE SERVICE

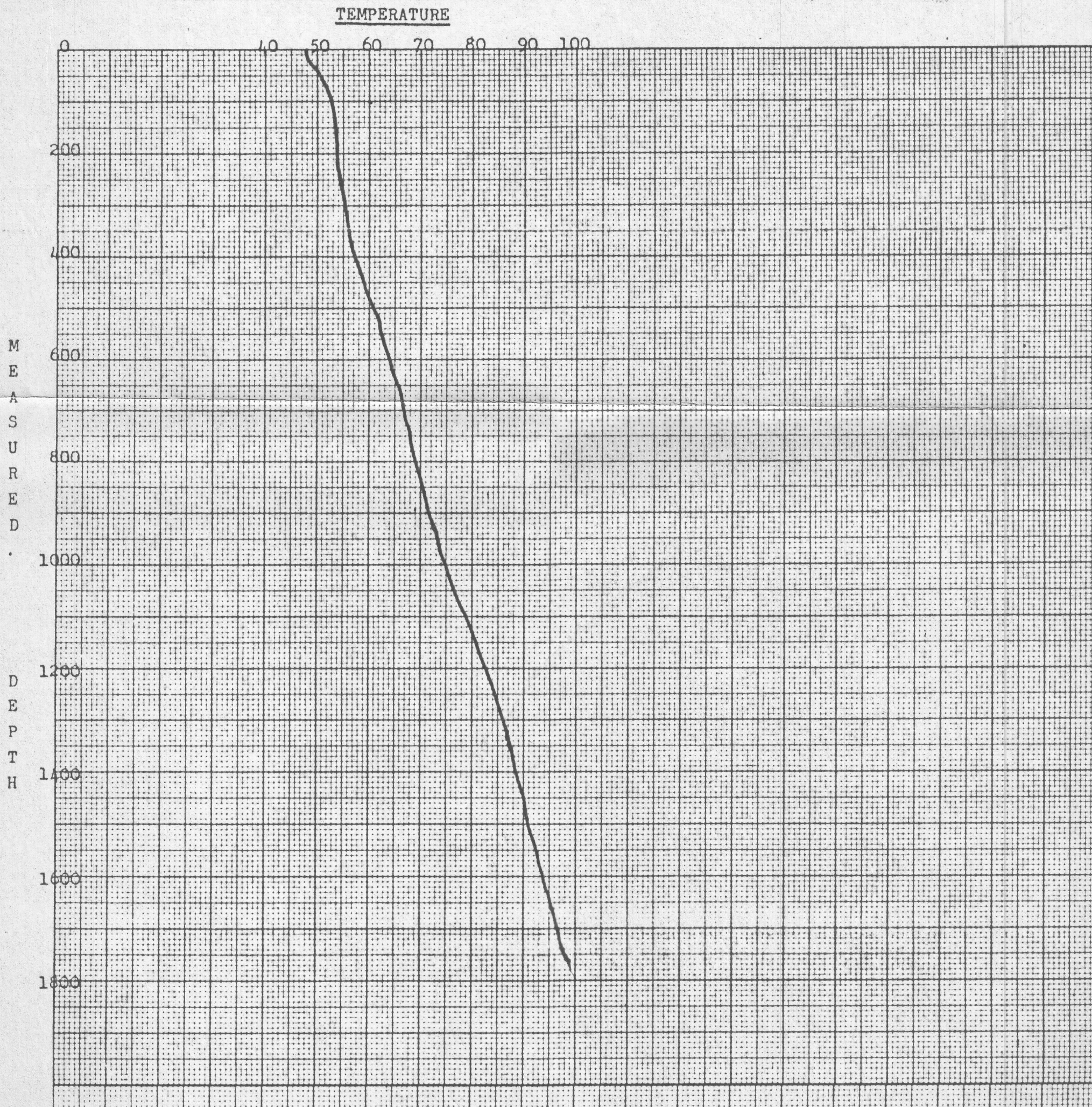
8915 ROSEDALE HWY., BAKERSFIELD, CA 93308
(805) 589-2768



SUB-SURFACE TEMPERATURE SURVEY

Run #2

COMPANY Gulf Energy FIELD Steamboat Sprs WELL NAME Strat 12
 TOTAL DEPTH 1750' WELL STATUS Static BOMB HUNG @ none DATE December 29, 1980
 CASING --- CASING PRESSURE --- TIME ON BOTTOM 10:33 $\frac{1}{2}$ ELEMENT RANGE 45-278 $^{\circ}$
 LINER --- TUBING PRESSURE --- TIME OFF BOTTOM 10:42 ZERO POINT 5.5'
 PERFORATIONS --- ZONE --- SHUT IN --- ELEVATION ---
 MPP --- MAX. $^{\circ}$ F. 98.93 $^{\circ}$ ON PRODUCTION --- PICKUP 1766'
 TUBING DETAIL ----- PURPOSE Traverse Temperature Survey



SURVEY DATA

DEPTH	TEMPERATURE	DEPTH	TEMPERATURE	DEPTH	TEMPERATURE	DEPTH	TEMPERATURE
0	47.97	440	59.11	880	71.50	1340	87.12
20	48.34	460	59.49	900	71.85	1360	87.70
40	50.20	480	60.23	920	72.54	1380	88.28
60	51.31	500	60.97	940	73.23	1400	88.56
80	52.06	520	61.71	960	73.58	1420	89.14
100	52.80	540	62.09	980	74.27	1440	89.72
120	53.17	560	62.83	1000	74.96	1460	90.00
140	53.54	580	63.55	1020	75.66	1480	90.58
160	53.54	600	64.24	1040	76.69	1500	91.16
180	53.91	620	64.58	1060	77.39	1520	91.73
200	53.91	640	65.28	1080	78.08	1540	92.31
220	54.29	660	65.97	1100	79.12	1560	92.88
240	54.29	680	66.31	1120	79.81	1580	93.17
260	54.66	700	67.01	1140	80.50	1600	93.75
280	55.03	720	67.35	1160	81.36	1620	94.32
300	55.40	740	68.04	1180	81.94	1640	94.90
320	55.77	760	68.39	1200	82.80	1660	95.43
340	56.14	780	68.74	1220	83.38	1680	96.05
360	56.51	800	69.43	1240	84.24	1700	96.67
380	56.89	820	69.77	1260	85.11	1720	97.20
400	57.63	840	70.47	1280	85.68	1740	97.78
420	58.00	860	71.16	1300	86.26	1760	98.31
				1320	86.84	1766	98.93

Survey traversed 20' per minute.