

# AGNEW AND SWEET

## WIRELINE SERVICE

PHONE (805) 327-2267  
3914 GILMORE AVENUE  
BAKERSFIELD, CALIFORNIA 93308

### SUBSURFACE TEMPERATURE SURVEY

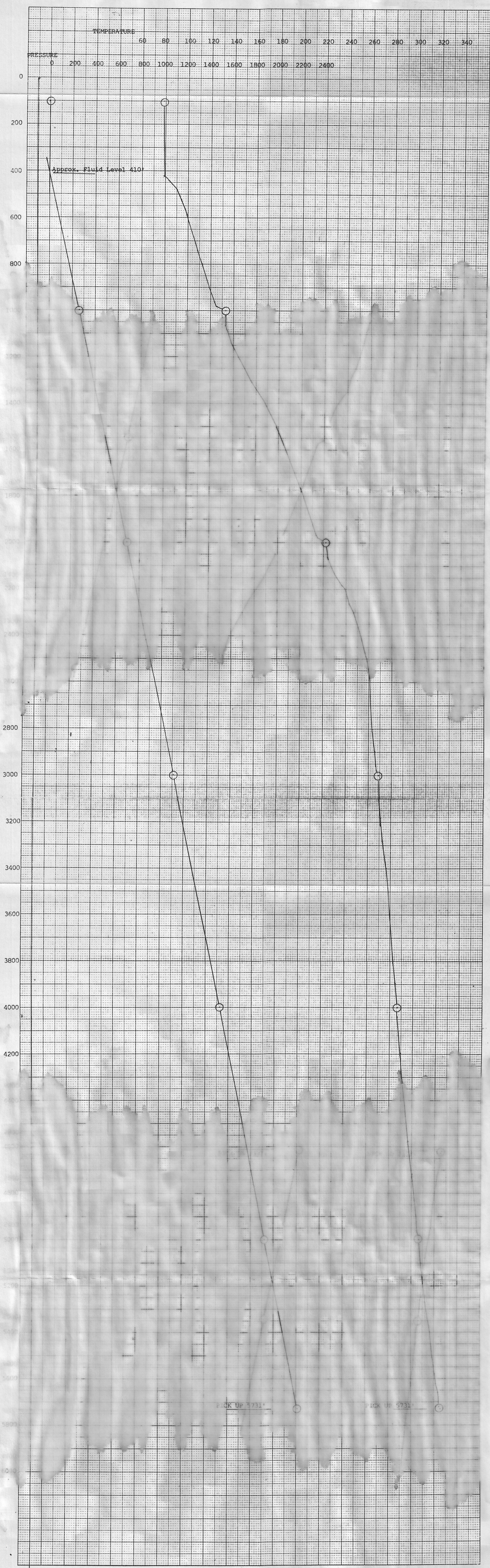
OWNER CHEVRON OIL COMPANY FIELD HEBER WELL NAME GTW # 5

#### WELL DATA

ZERO POINT Ground DEPTH \_\_\_\_\_ DATE \_\_\_\_\_  
 ELEVATION \_\_\_\_\_ ZONE \_\_\_\_\_ PURPOSE \_\_\_\_\_  
 CASING \_\_\_\_\_ REMARKS \_\_\_\_\_  
 LINER DESCRIPTION \_\_\_\_\_  
 TUBING DETAIL 2-3/8" 6500'

#### SURVEY CONDITIONS

DATE May 16, 1977  
 PURPOSE STATIC TEMPERATURE & PRESSURE GRADIENT SURVEY  
 REMARKS STOPS EVERY 1000 FEET  
TOOLS WOULD NOT GO BELOW 5731 FEET  
 12 HOUR 15 TURN  TUBING  ANNULUS  
 INSTRUMENT 78 - 646 °F SERIAL NUMBER 10025  
 MAX TEMPERATURE 325.6 °F AT 5730'  
 SHUT IN \_\_\_\_\_ STABILIZATION PERIOD \_\_\_\_\_  
 PICK UP 5731' PRESSURE P SIG \_\_\_\_\_  
 STATUS Static START \_\_\_\_\_ FINISH \_\_\_\_\_  
 TIME ON BOTTOM 11:06 am CASING \_\_\_\_\_ TUBING \_\_\_\_\_  
 TIME OFF BOTTOM 11:16 am TUBING \_\_\_\_\_  
 INSTRUMENT HUNG AT \_\_\_\_\_ BY NEVE & HONEYCUTT



SUB-SURFACE TEMPERATURE DATA

DEPTH	TEMP. °F	DEPTH	TEMP. °F	DEPTH	TEMP. °F	DEPTH	TEMP. °F	DEPTH	TEMP. °F	DEPTH	TEMP. °F
100	78.6	1100	134.9	2080	225.3	3060	268.9	4040	286.8	5020	307.1
120	78.6	1120	136.2	2100	227.2	3080	269.2	4060	286.8	5040	307.4
140	78.6	1140	138.2	2120	228.4	3100	269.5	4080	287.1	5060	307.8
160	78.6	1160	139.8	2140	230.3	3120	270.1	4100	287.4	5080	308.1
180	78.6	1180	142.4	2160	233.7	3140	270.4	4120	288.0	5100	308.4
200	78.6	1200	144.6	2180	236.8	3160	270.7	4140	288.3	5120	309.3
220	78.6	1220	146.4	2200	239.3	3180	271.0	4160	288.6	5140	309.6
240	78.6	1240	148.3	2220	240.9	3200	271.7	4180	289.2	5160	309.9
260	78.6	1260	151.2	2240	242.6	3220	272.3	4200	289.6	5180	310.5
280	78.6	1280	153.4	2260	243.7	3240	272.6	4220	289.9	5200	310.8
300	78.6	1300	155.9	2280	245.2	3260	272.9	4240	290.2	5220	311.8
320	78.6	1320	158.4	2300	246.8	3280	273.5	4260	290.5	5240	312.1
340	78.6	1340	160.6	2320	248.6	3300	273.8	4280	291.1	5260	312.7
360	78.6	1360	163.8	2340	249.6	3320	274.4	4300	291.4	5280	313.6
380	78.6	1380	166.0	2360	251.1	3340	274.7	4320	291.7	5300	313.9
400	78.9	1400	168.2	2380	252.4	3360	275.4	4340	292.3	5320	314.5
420	78.9	1420	170.1	2400	253.6	3380	275.7	4360	292.6	5340	315.2
440	82.9	1440	172.3	2420	254.9	3400	276.3	4380	292.9	5360	315.8
460	87.1	1460	174.2	2440	256.1	3420	276.6	4400	293.6	5380	316.4
480	90.4	1480	176.1	2460	257.1	3440	277.2	4420	293.9	5400	317.0
500	92.4	1500	178.6	2480	258.0	3460	277.5	4440	294.2	5420	317.7
520	94.1	1520	180.5	2500	258.6	3480	278.1	4460	294.5	5440	317.9
540	95.7	1540	182.0	2520	259.2	3500	278.4	4480	295.1	5460	318.2
560	97.3	1560	183.9	2540	259.6	3520	278.4	4500	295.4	5480	318.4
580	98.0	1580	185.2	2560	259.9	3540	278.8	4520	295.7	5500	318.9
600	98.8	1600	186.8	2580	260.5	3560	278.8	4540	295.9	5520	319.3
620	99.4	1620	188.7	2600	261.3	3580	279.0	4560	296.0	5540	319.4
640	100.0	1640	190.2	2620	262.0	3600	279.0	4580	296.0	5560	319.4
660	100.0	1660	191.5	2640	262.6	3620	279.3	4600	297.6	5580	319.9
680	100.0	1680	192.6	2660	263.2	3640	279.3	4620	297.7	5600	320.0
700	100.0	1700	194.3	2680	263.7	3660	279.4	4640	298.1	5620	320.9
720	100.0	1720	195.9	2700	264.0	3680	279.6	4660	298.2	5640	321.9
740	100.0	1740	197.8	2720	264.7	3700	279.6	4680	298.1	5660	321.9
760	100.0	1760	199.1	2740	265.0	3720	279.6	4700	298.1	5680	321.8
780	100.0	1780	200.6	2760	265.3	3740	279.6	4720	298.1	5700	321.8
800	100.0	1800	202.2	2780	265.6	3760	279.6	4740	298.1	5720	321.8
820	100.0	1820	203.4	2800	265.9	3780	279.6	4760	298.1	5740	321.8
840	100.0	1840	204.9	2820	266.2	3800	279.6	4780	298.1	5760	321.8
860	100.0	1860	206.3	2840	266.5	3820	279.6	4800	298.1	5780	321.8
880	100.0	1880	207.8	2860	266.7	3840	279.6	4820	298.1	5800	321.8
900	100.0	1900	209.1	2880	266.9	3860	279.6	4840	298.1	5820	321.8
920	100.0	1920	210.6	2900	267.1	3880	279.6	4860	298.1	5840	321.8
940	100.0	1940	212.2	2920	267.1	3900	279.6	4880	298.1	5860	321.8
960	100.0	1960	213.4	2940	267.4	3920	279.6	4900	298.1	5880	321.8
980	100.0	1980	215.6	2960	267.0	3940	279.6	4920	298.1	5900	321.8
1000	100.0	2000	217.2	2980	267.0	3960	279.6	4940	298.1	5920	321.8
1020	100.0	2020	218.7	3000	267.1	3980	279.6	4960	298.1	5940	321.8
1040	100.0	2040	220.0	3020	267.1	4000	279.6	4980	298.1	5960	321.8
1060	100.0	2060	221.7	3040	267.1	4020	279.6	5000	298.1	5980	321.8
1080	100.0	2080	223.0	3060	267.1	4040	279.6	5020	298.1	6000	321.8
1100	100.0	2100	224.0	3080	267.1	4060	279.6	5040	298.1	6020	321.8
1120	100.0	2120	224.0	3100	267.1	4080	279.6	5060	298.1	6040	321.8
1140	100.0	2140	224.0	3120	267.1	4100	279.6	5080	298.1	6060	321.8
1160	100.0	2160	224.0	3140	267.1	4120	279.6	5100	298.1	6080	321.8
1180	100.0	2180	224.0	3160	267.1	4140	279.6	5120	298.1	6100	321.8
1200	100.0	2200	224.0	3180	267.1	4160	279.6	5140	298.1	6120	321.8
1220	100.0	2220	224.0	3200	267.1	4180	279.6	5160	298.1	6140	321.8
1240	100.0	2240	224.0	3220	267.1	4200	279.6	5180	298.1	6160	321.8
1260	100.0	2260	224.0	3240	267.1	4220	279.6	5200	298.1	6180	321.8
1280	100.0	2280	224.0	3260	267.1	4240	279.6	5220	298.1	6200	321.8
1300	100.0	2300	224.0	3280	267.1	4260	279.6	5240	298.1	6220	321.8
1320	100.0	2320	224.0	3300	267.1	4280	279.6	5260	298.1	6240	321.8
1340	100.0	2340	224.0	3320	267.1	4300	279.6	5280	298.1	6260	321.8
1360	100.0	2360	224.0	3340	267.1	4320	279.6	5300	298.1	6280	321.8
1380	100.0	2380	224.0	3360	267.1	4340	279.6	5320	298.1	6300	321.8
1400	100.0	2400	224.0	3380	267.1	4360	279.6	5340	298.1	6320	321.8
1420	100.0	2420	224.0	3400	267.1	4380	279.6	5360	298.1	6340	321.8
1440	100.0	2440	224.0	3420	267.1	4400	279.6	5380	298.1	6360	321.8
1460	100.0	2460	224.0	3440	267.1	4420	279.6	5400	298.1	6380	321.8
1480	100.0	2480	224.0	3460	267.1	4440	279.6	5420	298.1	6400	321.8
1500	100.0	2500	224.0	3480	267.1	4460	279.6	5440	298.1	6420	321.8
1520	100.0	2520	224.0	3500	267.1	4480	279.6	5460	298.1	6440	321.8
1540	100.0	2540	224.0	3520	267.1	4500	279.6	5480	298.1	6460	321.8
1560	100.0	2560	224.0	3540	267.1	4520	279.6	5500	298.1	6480	321.8
1580	100.0	2580	224.0	3560	267.1	4540	279.6	5520	298.1	6500	321.8
1600	100.0	2600	224.0	3580	267.1	4560	279.6	5540	298.1	6520	321.8
1620	100.0	2620	224.0	3600	267.1	4580	279.6	5560	298.1	6540	321.8
1640	100.0	2640	224.0	3620	267.1	4600	279.6	5580	298.1	6560	321.8
1660	100.0	2660	224.0	3640	267.1	4620	279.6	5600	298.1	6580	321.8
1680	100.0	2680	224.0	3660	267.1	4640	279.6	5620	298.1	6600	321.8
1700	100.0	2700	224.0	3680	267.1	4660	279.6	5640	298.1	6620	321.8
1720	100.0	2720	224.0	3700	267.1	4680	279.6	5660	298.1	6640	321.8
1740	100.0	2740	224.0	3720	267.1	4700	279.6	5680	298.1	6660	321.8
1760	100.0	2760	224.0	3740	267.1	4720	279.6	5700	298.1	6680	321.8
1780	100.0	2780	224.0	3760	267.1	4740	279.6	5720	298.1	6700	321.8
1800	100.0	2800	224.0	3780	267.1	4760	279.6	5740	298.1	6720	321.8
1820	100.0	2820	224.0	3800	267.1	4780	279.6	5760	298.1	6740	321.8
1840	100.0	2840	224.0	3820	267.1	4800	279.6	5780	298.1	6760	321.8
1860	100.0	2860	224.0	3840	267.1	4820	279.6	5800	298.1	6780	321.8
1880	100.0	2880	224.0	3860	267.1	4840	279.6	5820	298.1	6800	321.8
1900	100.0	2900	224.0	3880	267.1	4860	279.6	5840	298.1	6820	321.8
1920	100.0	2920	224.0	3900	267.1	4880	279.6	5860	298.1	6840	321.8
1940	100.0	2940	224.0	3920	267.1	4900	279.6	5880	298.1	6860	321.8
1960	100.0	2960	224.0	3940	267.1	4920	279.6	5900	298.1	6880	321.8
1980	100.0										