



AGNEW AND SWEET

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

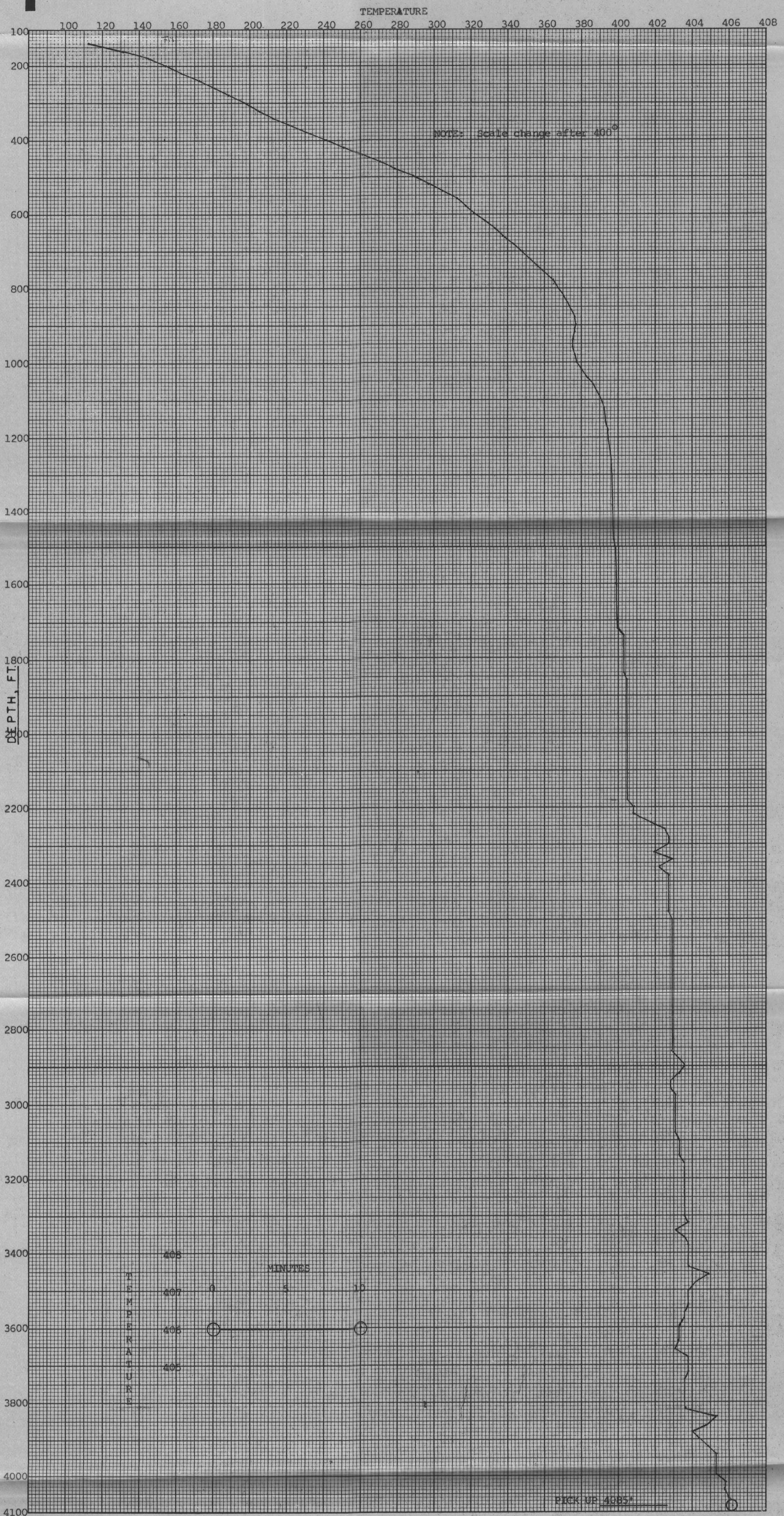
CHURCH AND AIRPORT ROAD
 RIO VISTA, CALIFORNIA 94571
 PHONE (707) 374-2197

24 HOUR
 SERVICE

SUBSURFACE TEMPERATURE SURVEY

OWNER PHILLIPS PETROLEUM COMPANY FIELD DESERT PEAK WELL NAME B 21 - 1

WELL DATA		SURVEY CONDITIONS	
ZERO POINT <u>At Ground</u>	DEPTH <u>T.D. 4150'</u>	DATE <u>February 9, 1977</u>	
ELEVATION _____	ZONE _____	PURPOSE <u>SHUT IN TEMPERATURE SURVEY</u>	
CASING _____		REMARKS <u>TRAVERSE 20' / MINUTE</u>	
		<u>INSTRUMENT HUNG 10 MIN. AT 4085'</u>	
		<u>12 hour 7 1/2 turn</u>	
LINER DESCRIPTION <u>8 1/2"</u>		INSTRUMENT <u>100 - 558</u> °F, SERIAL NUMBER <u>10136</u>	
		NET OIL RATE, BBL/D _____	
TUBING DETAIL _____		SHUT IN _____	STABILIZATION PERIOD _____
		GROSS FLUID RATE, BBL/D _____	PRESSURES, PSIG
		FORMATION GAS, MCF/D _____	OBSERVED CORRECTED
		GOR, CFT/BBL _____	CASING <u>no way</u>
		CIRCULATED GAS, MCF/D _____	TUBING _____
Time on bottom <u>1:14 pm</u>		OIL DRY GRAVITY, °API _____	BY <u>NEVE & SUNDBERG</u>
Time off bottom <u>1:24 pm</u>			



SUB-SURFACE TEMPERATURE DATA

DEPTH	TEMP. °F	DEPTH	TEMP. °F	DEPTH	TEMP. °F	DEPTH	TEMP. °F	DEPTH	TEMP. °F	DEPTH	TEMP. °F
20		740	356.3	1440	397.6	2140	400.5	2840	402.9	3540	403.8
40		760	360.7	1460	397.8	2160	400.5	2860	402.9	3560	403.6
60		780	364.4	1480	398.1	2180	400.5	2880	403.3	3580	403.6
80		800	367.4	1500	398.1	2200	400.9	2900	403.6	3600	403.3
100		820	370.4	1520	398.3	2220	400.9	2920	403.3	3620	403.3
120		840	373.1	1540	398.5	2240	401.8	2940	402.9	3640	403.3
140	112.4	860	375.0	1560	398.5	2260	402.5	2960	402.9	3660	403.1
160	131.3	880	376.3	1580	398.5	2280	402.7	2980	403.1	3680	403.8
180	144.5	900	377.3	1600	398.5	2300	402.7	3000	403.1	3700	403.8
200	154.4	920	376.8	1620	398.7	2320	402.0	3020	403.1	3720	403.8
220	163.5	940	375.9	1640	398.7	2340	402.9	3040	403.1	3740	403.6
240	172.5	960	375.9	1660	398.9	2360	402.2	3060	403.1	3760	403.6
260	181.1	980	376.1	1680	398.9	2380	402.7	3080	403.1	3780	403.6
280	189.4	1000	377.2	1700	399.2	2400	402.7	3100	403.3	3800	403.6
300	197.3	1020	380.0	1720	399.6	2420	402.7	3120	403.3	3820	403.6
320	204.5	1040	383.2	1740	400.3	2440	402.7	3140	403.3	3840	405.3
340	212.4	1060	386.2	1760	400.3	2460	402.7	3160	403.6	3860	404.9
360	221.6	1080	388.8	1780	400.3	2480	402.7	3180	403.6	3880	404.0
380	230.4	1100	391.4	1800	400.3	2500	402.9	3200	403.6	3900	404.4
400	241.2	1120	392.1	1820	400.3	2520	402.9	3220	403.6	3920	404.9
420	251.5	1140	393.0	1840	400.3	2540	402.9	3240	403.6	3940	405.3
440	261.8	1160	393.6	1860	400.5	2560	402.9	3260	403.6	3960	405.3
460	270.7	1180	394.1	1880	400.5	2580	402.9	3280	403.6	3980	405.3
480	278.7	1200	394.7	1900	400.5	2600	402.9	3300	403.6	4000	405.3
500	288.8	1220	395.2	1920	400.5	2620	402.9	3320	403.8	4020	405.8
520	297.2	1240	395.6	1940	400.5	2640	402.9	3340	403.1	4040	405.8
540	304.4	1260	396.1	1960	400.5	2660	402.9	3360	403.6	4060	406.0
560	312.2	1280	396.7	1980	400.5	2680	402.9	3380	403.8	4085	406.0
580	317.2	1300	397.0	2000	400.5	2700	402.9	3400	403.8		
600	321.8	1320	397.0	2020	400.5	2720	402.9	3420	403.8		
620	327.8	1340	397.2	2040	400.5	2740	402.9	3440	403.8		
640	333.1	1360	397.2	2060	400.5	2760	402.9	3460	404.9		
660	337.7	1380	397.2	2080	400.5	2780	402.9	3480	404.2		
680	343.2	1400	397.4	2100	400.5	2800	402.9	3500	403.8		
700	348.0	1420	397.4	2120	400.5	2820	402.9	3520	403.8		
720	352.0										

INSTRUMENT HUNG @ 4085'
 MIN TEMP.
 0 406.0
 5 406.0
 10 406.0