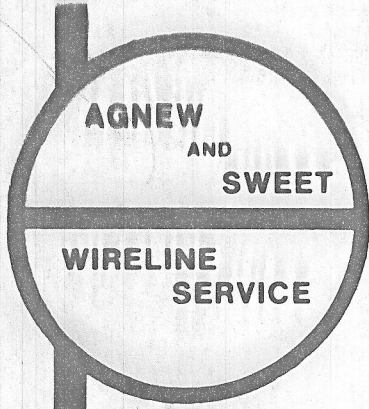


41010004



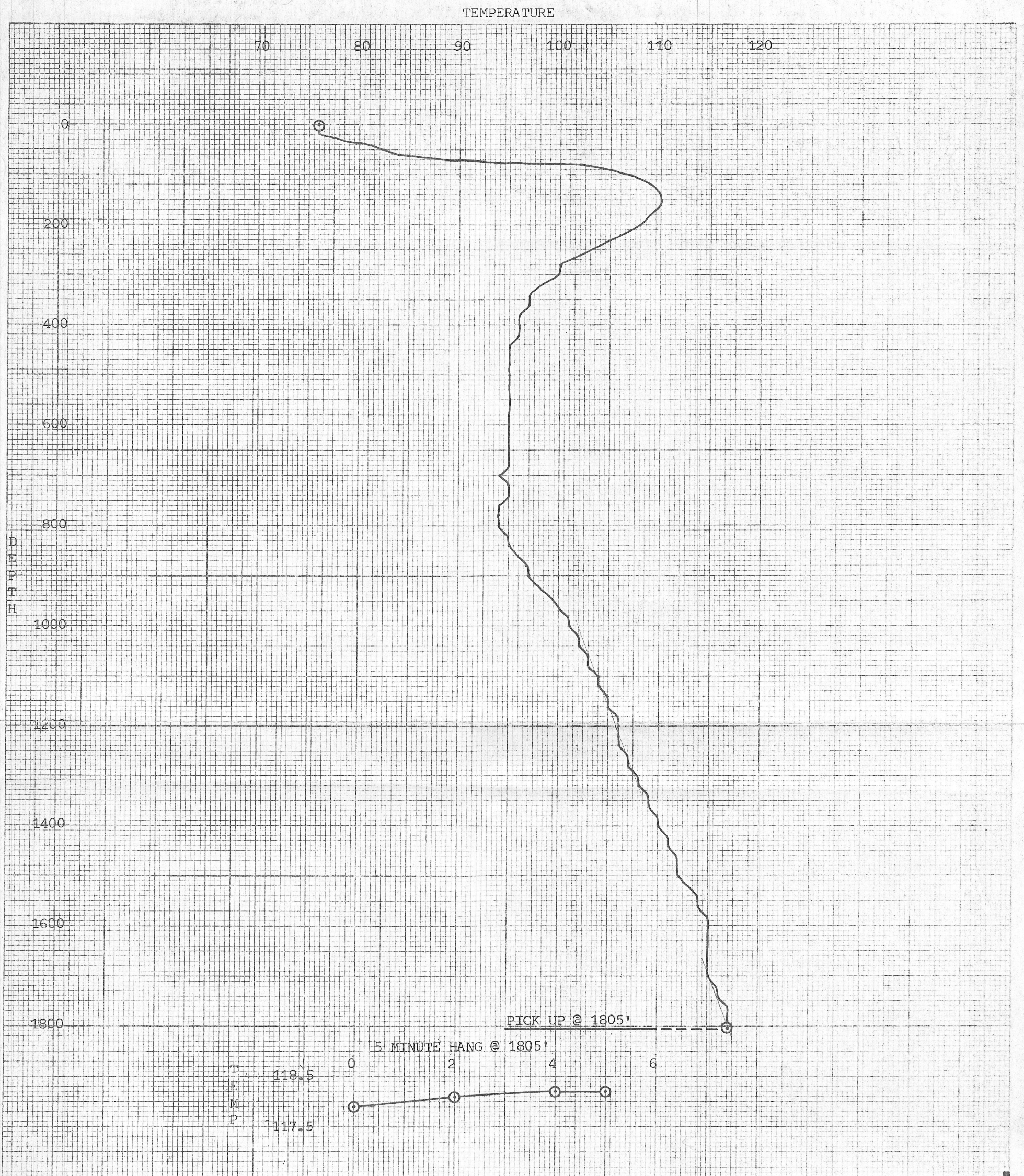
SUBSURFACE SURVEY

Strat. Test #4

OWNER	PHILLIPS PETROLEUM COMPANY	FIELD	STEAMBOAT HOT SPRINGS	WELL NAME	ROCK QUARRY
CASING:		ELEV.		DATE:	April 20, 1978
LINER DESCRIPTION:				ZERO POINT	Ground
PERFORATIONS:				MPP	
TUBING DETAIL:	2-7/8" plugged (open hole)			DEPTH	1800' ZONE
WELL STATUS		PUMP SHOE		ON PRODUCTION	
Static					
SURVEYED	TUB. <input checked="" type="checkbox"/> ANN <input type="checkbox"/>	SHUT IN		DISENGAGE STYLUS	7:01 pm
PICK UP @	1805'	ENGAGE STYLUS	5:00 pm	TIME OFF BOTTOM	6:50 pm
ELEMENT RANGE	76-646	TIME ON BOTTOM	5:40 pm	CLOCK	3 hour TURN 15
PURPOSE	STATIC TEMPERATURE TRAVERSE SURVEY	SERIAL NO.	10025	MAX. °F	118.2 @ 1805'
REMARKS:	Traverse 20' per minute to pick up				

STABILIZATION PERIOD	START	FINISH
DATE		
CASING PSI OBS		
CASING PSI COR		
TUBING PSI OBS		
TUBING PSI COR		
PRESS. STATUS		
INSTRUMENT HUNG @	1805'	

BY: SUNDBERG & McDONALD



DEPTH	TEMP.	DEPTH	TEMP.	DEPTH	TEMP.	DEPTH	TEMP.	DEPTH	TEMP.	DEPTH	TEMP.
0	76.0	320	98.0	640	95.8	960	100.0	1280	107.9	1600	115.6
20	76.0	340	97.7	660	95.4	980	101.0	1300	108.2	1620	115.9
40	81.5	360	97.0	680	95.1	1000	101.3	1320	108.9	1640	115.6
60	94.8	380	96.4	700	94.8	1020	102.0	1340	109.2	1660	115.9
80	102.3	400	96.1	720	95.4	1040	102.3	1360	109.8	1680	115.6
100	107.6	420	96.1	740	95.1	1060	103.0	1380	110.5	1700	115.6
120	109.5	440	95.4	760	94.8	1080	103.3	1400	110.8	1720	116.6
140	110.5	460	95.4	780	94.8	1100	104.0	1420	111.1	1740	116.9
160	110.8	480	95.4	800	94.8	1120	104.6	1440	111.8	1760	117.2
180	109.8	500	95.4	820	95.1	1140	105.3	1460	112.1	1780	117.9
200	108.5	520	95.4	840	95.4	1160	105.3	1480	112.1	1805	117.9
220	106.6	540	95.4	860	96.4	1180	106.0	1500	112.7		
240	104.3	560	95.4	880	97.0	1200	106.6	1520	113.4	5 MINUTE HANG @ 1805'	
260	102.3	580	95.1	900	97.7	1220	106.6	1540	114.0	0	117.9
280	100.7	600	95.4	920	98.0	1240	106.9	1560	114.7	2 min.	118.1
300	100.3	620	95.4	940	99.0	1260	107.2	1580	115.3	4	118.2
										5 min.	118.2