

AGNEW AND SWEET
 24 HOUR PHONE 805-327-2267
 3914 GILMORE AVENUE
 BAKERSFIELD, CALIFORNIA
 93308

SUBSURFACE SURVEY

RUN # 1

OWNER THERMOGENICS, INC. FIELD GEYSERS WELL NAME K - 1A
 CASING 13" @ 4188' ELEV. DATE: May 11, 1978

LINER DESCRIPTION: ZERO POINT D.F.

PERFORATIONS: MFP

TUBING DETAIL: DEPTH 9275' ZONE

WELL STATUS Static PUMP SHOE SHUT IN ON PRODUCTION

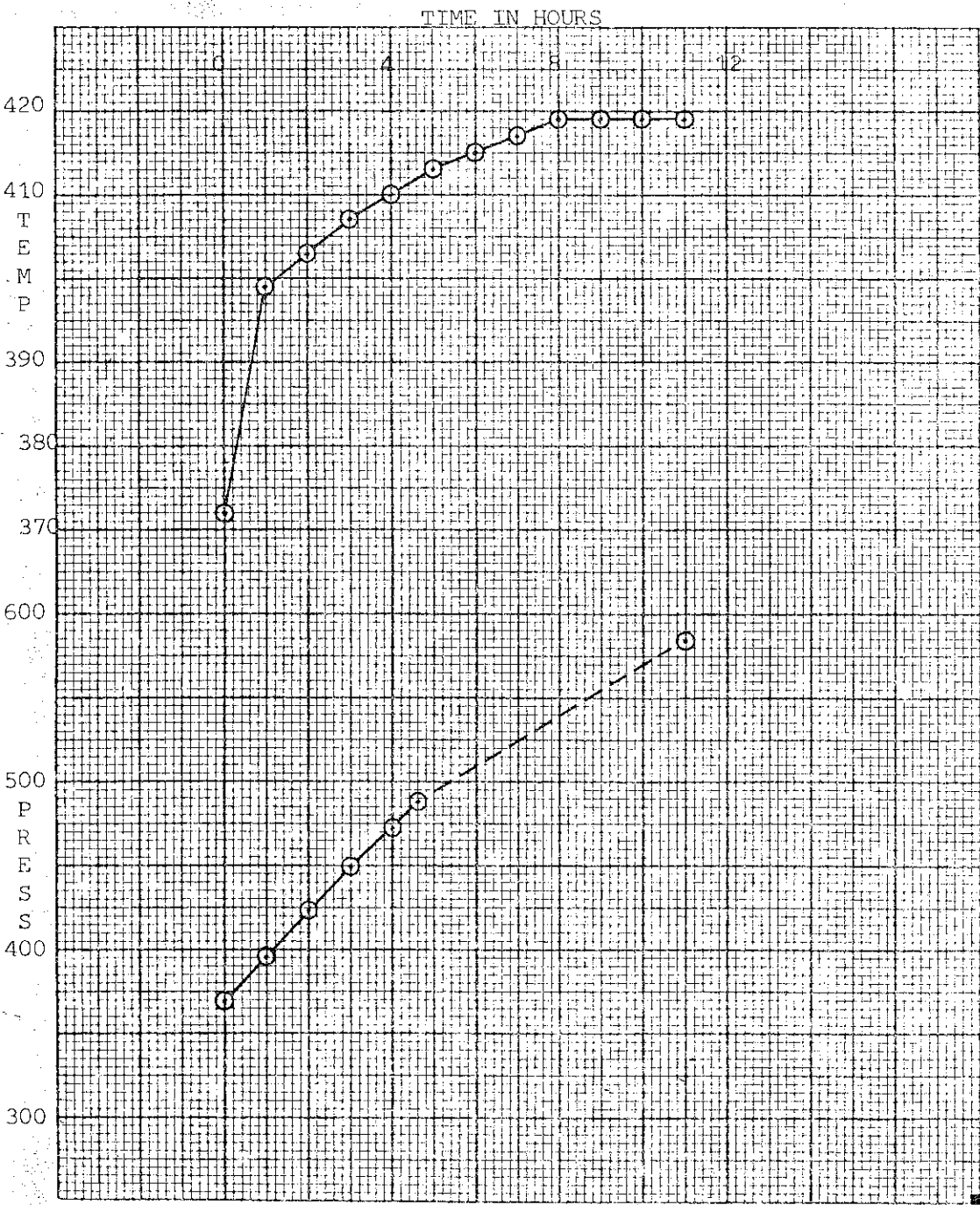
SURVEYED TUB. ANN. Casing ENGAGE STYLUS 9:23 am DISENGAGE STYLUS 10:10 pm

PICK UP @ 9275' TIME ON BOTTOM 10:19 am TIME OFF BOTTOM 9:19 pm

ELEMENT RANGE 1800#, 100-558 SERIAL NO. 5709, 10136 CLOCK 12 TURN 15

PURPOSE STATIC TEMPERATURE & PRESSURE BUILD-UP SURVEY MAX. °F 419.6 @ 9275'

REMARKS: Clock stopped on pressure after 4 hr. 40min. Max. Press. @ 11hr STABILIZATION PERIOD



| PRESSURES: | START | FINISH |
|----------------|-------|--------|
| DATE | | |
| CASING PSI OBS | | |
| CASING PSI COR | | |
| TUBING PSI OBS | | |
| TUBING PSI COR | | |
| PRESS. STATUS | | |

| INSTRUMENT HUNG @ | 9275' |
|-------------------|-------|
| TIME | TEMP. |
| 0 | 372.4 |
| 1 hr. | 399.4 |
| 2 | 403.6 |
| 3 | 407.6 |
| 4 | 410.6 |
| 5 | 413.1 |
| 6 | 415.5 |
| 7 | 417.5 |
| 8 | 419.0 |
| 9 | 419.2 |
| 10 | 419.4 |
| 11 hr. | 419.6 |

| TIME | PRESS. |
|-------------|--------|
| 0 | 369 |
| 1 hr. | 396 |
| 2 | 423 |
| 3 | 449 |
| 4 | 472 |
| 4 hr. 40 m. | 488 |
| 11 hr. | 584 |

BY: Harbison & sundberg