

EXLOG H.F. SMITH CORP. **SMITH** GEOTHERMAL DIVISION **GEOTHERMAL DATA LOG**

COMPANY LADWP 88-1 COSO
 WELL 88-1
 FIELD COSO
 COUNTY INYO STATE CALIF
 LOCATION 299°N 573°W SE Cor Sec 1T22S R38E
 ELEVATION 4134' K8 DF 04
 CONTRACTOR/RIG LOFFLAND Bros RIG 217
 SPUD DATE 3/7/85 TO DATE 3/31/85
 TD 3503' TRUE VERT DEPTH
 BOTTOM HOLE LOCATION
 WELL STATUS Plug back for Redrill
 COMPANY REPRESENTATIVE J. Weldon, J. Owen

LOG INTERVAL

DATE LOGGED 3/9/85 TO 3/31/85
 DEPTH LOGGED 223' TO 3503'
 MUD DRILLING 0' to 1992'
 AIR DRILLING 1992' to 3503'
 TEMPERATURE INSTRUMENT TYPE "J" Thermocouple
 PRESSURE INSTRUMENT TYPE Silicon Chip
 GAS TRAP-AGITATOR ELEC AIR
 LOG SCALE 1:600 UNIT NO. 326
 LOG PREPARED BY E. Zifcheck, H. Whitney
K. McNamara

DRILL RATE
 ft/hr ☒ min/hr ☐
 m/hr ☐ min/m ☐
 ROCK DENSITY (lb/cc) ☐
 TEMPERATURE °C ☐ °F ☒
 IN ☐ OUT ☐
 PRESSURE KSC ☐ PSI ☒
 IN ☐ OUT ☐
 LOSS/GAIN ☐
 LITHOLOGY ☐
 D E P T H

HOLE SIZE
 26" to 211' 20" of 211'
 17 1/2" to 812' 13 3/8" of 812'
 12 1/4" to 1992' 9 5/8" of 1990'
 8 3/4" to 3503'

ENTRANCES WATER/STEAM

Water Entries

2938'
 2945'
 2952'

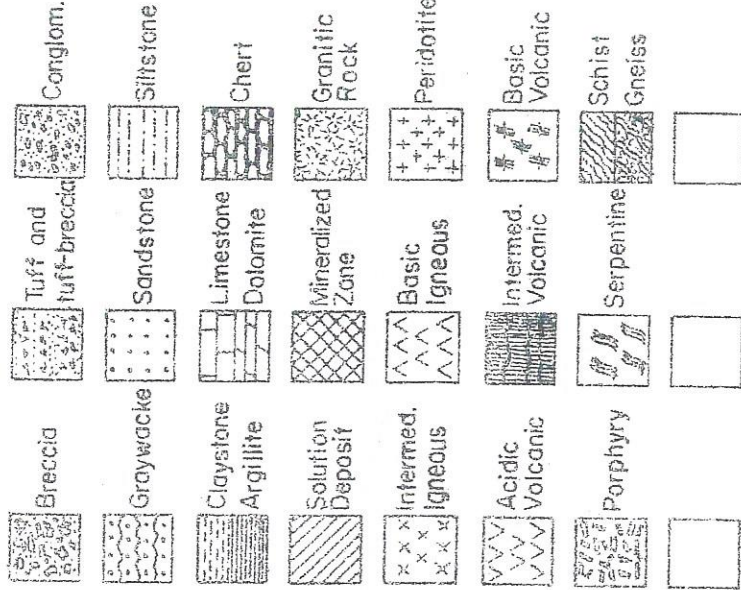
TESTED ZONES

LOST CIRCULATION ZONES

20bbls @ 1985'

MISC. REMARKS

LITHOLOGY SYMBOLS



SECONDARY MINERALS

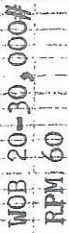
Q = QUARTZ
 C = CALCITE
 P = PYRITE
 E = EPIDOTE
 f = feldspar

W MUD DENSITY #/gal
 V FUNNEL VISCOSITY
 PV PLASTIC VISCOSITY
 YP YIELD POINT
 F FILTER RATE API
 FC FILTER CAKE
 SOL SOLIDS-%
 SD SAND CONTENT-%
 S SALINITY-PPM Cl
 CA CALCIUM-PPM Ca
 MUD RESISTIVITY
 WIRELINE LOG RUN
 WATER/STEAM ENTRY
 UNIFICE/FLOW TEST

LITHOLOGY DESCRIPTION

AND REMARKS

Diomite:blu-blk,gry,
pnk,lt-med grn,soft-
v hd,fn-v crs gr,slt-
mod rxln,mod gr lin,



pred prng, k-spar, hrnbl
& biot, pred un altd w/
loc abdt v altd to
chl/clay w/str fol,
epidzn of plag, mnr-com
calc vng w/gauge, tr-
mnr k-spar & epid vng,
tr hem & pyr, r magnt.

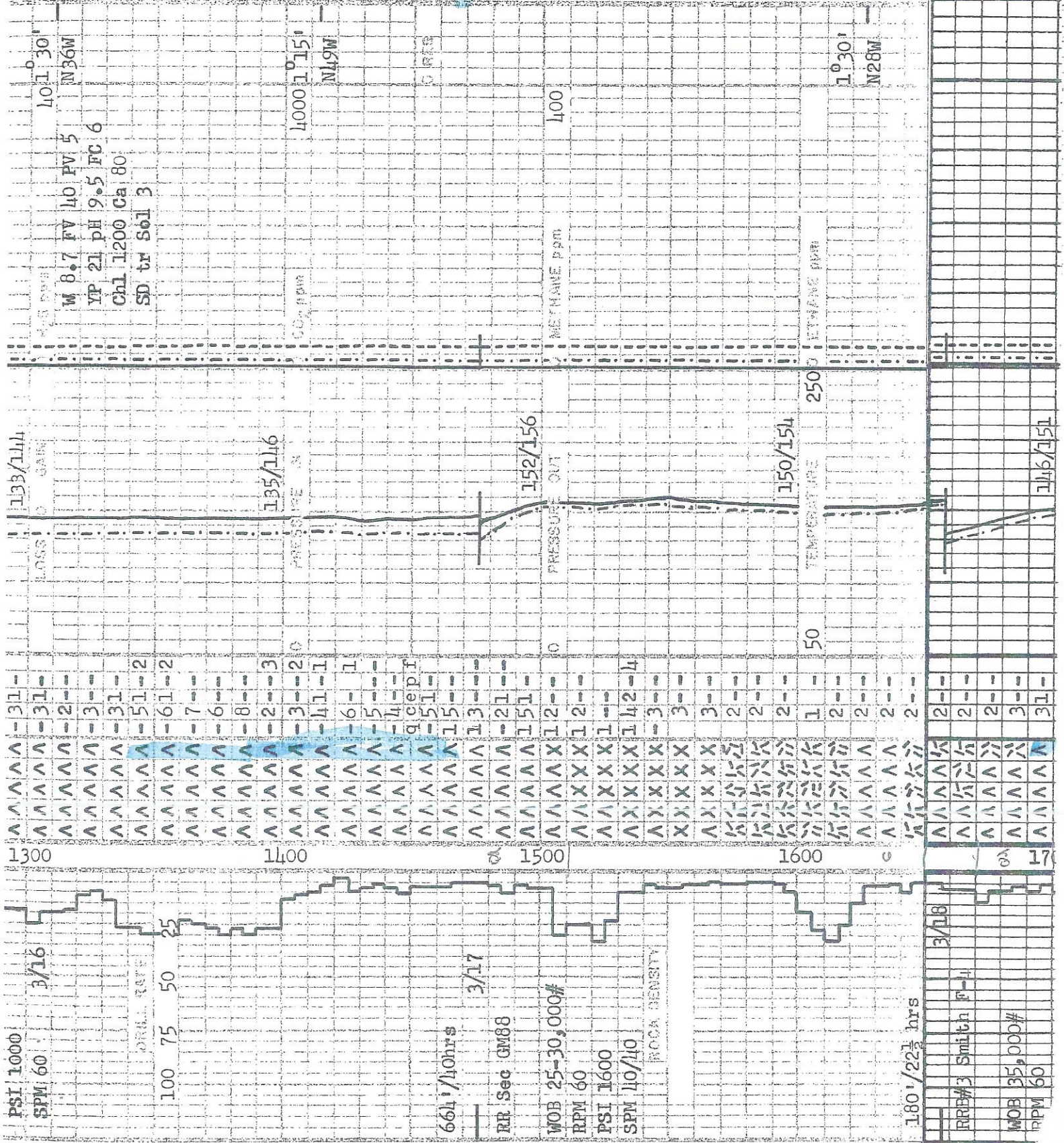
Diorite: cont gnl'y a/a
w/incr in grn "soapy"
clay/chl altn.

Diorite: blu-blk, gry, lt
-med grn, soft-v hd,
pred fn-med gr, mnr crs
gr, pred plag & hrnbl,
mnr k-spar & biot, pred
unaltd w/loc chlortzd
hrnbl & loc wht-lt
grn waxy clay, mnr calc
vng, tr epid & epid vng,
tr pyr, tr-mnr magnt.

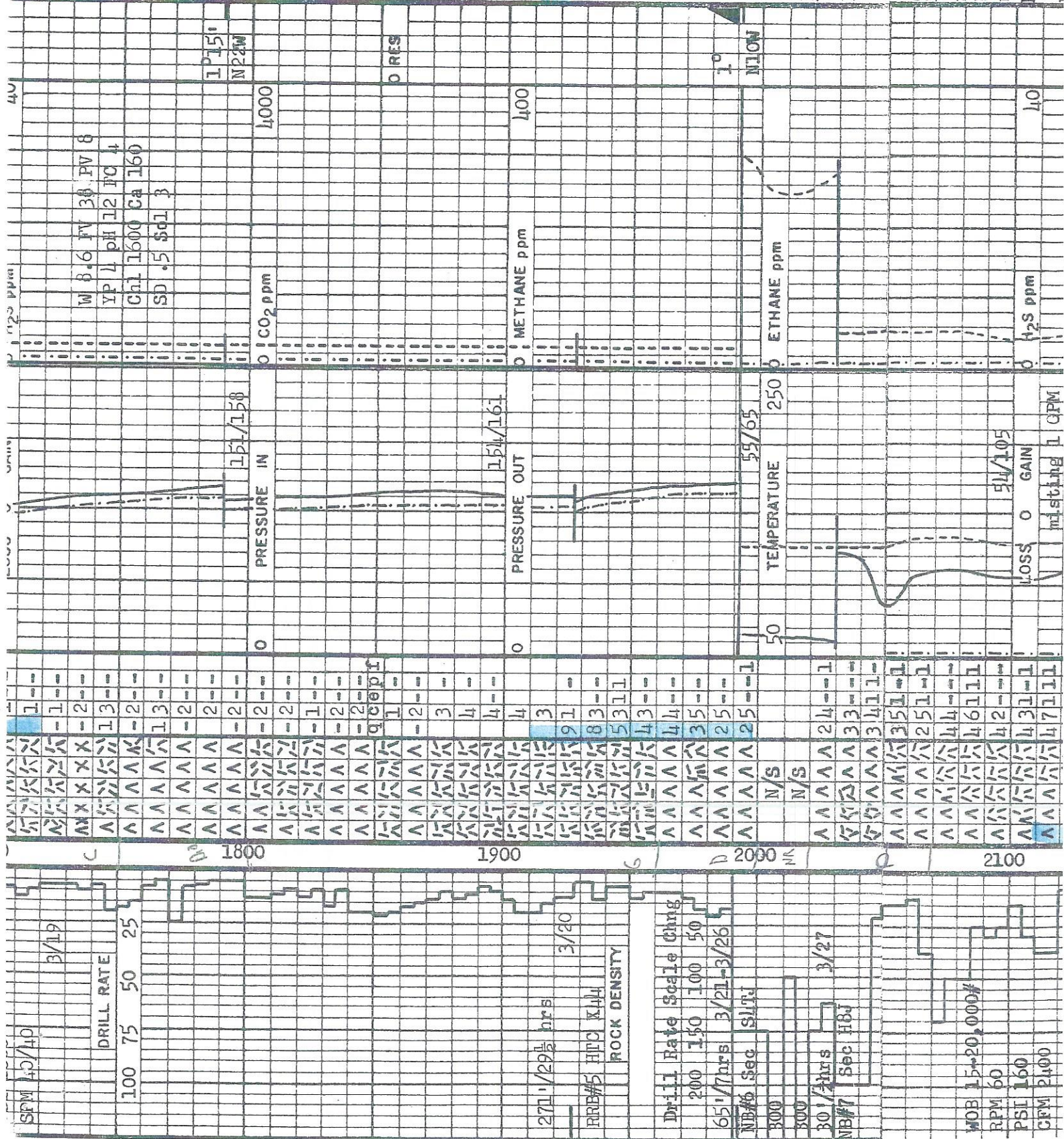
Qtz Monzonite: wht, lt
gry, mnr pnk & blk, med-
crs gr, frm-v hd, pred
plag, k-spar w/mnr qtz
& biot, pred fresh
appr, mnr chltzn of
biot & clay, mnr calc
vng, tr epid, pyr, hem &
magnetite.

Granite: wht, pnk, gry,
hd-v hd, fn-med gr, pred
k-spar & qtz, mnr-com
biot loc chlortzd, tr-
mnr calc vng, tr pyr,
r epidote.

Note: twist off, top
of fish @ 396', mill
on fish, RIH w/over-
shot, POH w/fish, RIH
& cont drlg.



Granite:wht,pnk,lt gry,
v hd,com ctactlctc tex,
med-crs gr,pred plag,
k-spar,qtz & mnr biot,
mnr qtz & calc vng,tr
pyr.



Granite:lt gry,wht,pnk,
mod hd-v hd,med=crs
gr,slt rxln,loc abdt
ctaclstc tex,loc mmr
sl fol,pred plag,qtz &
k-spar,tr=mmr biot,sl-
str chltzn of biot &
plag,tr=mmr calc vng,
tr pyr,epid & hem stn.