

LOGGING RECORD
 95/8csg: 4400' to 2692'

BACK # 5-2
 COUNTY SANDOVAL
 STATE NEW MEXICO
 LOCATION REDONDO CREEK
 EL. 9320'

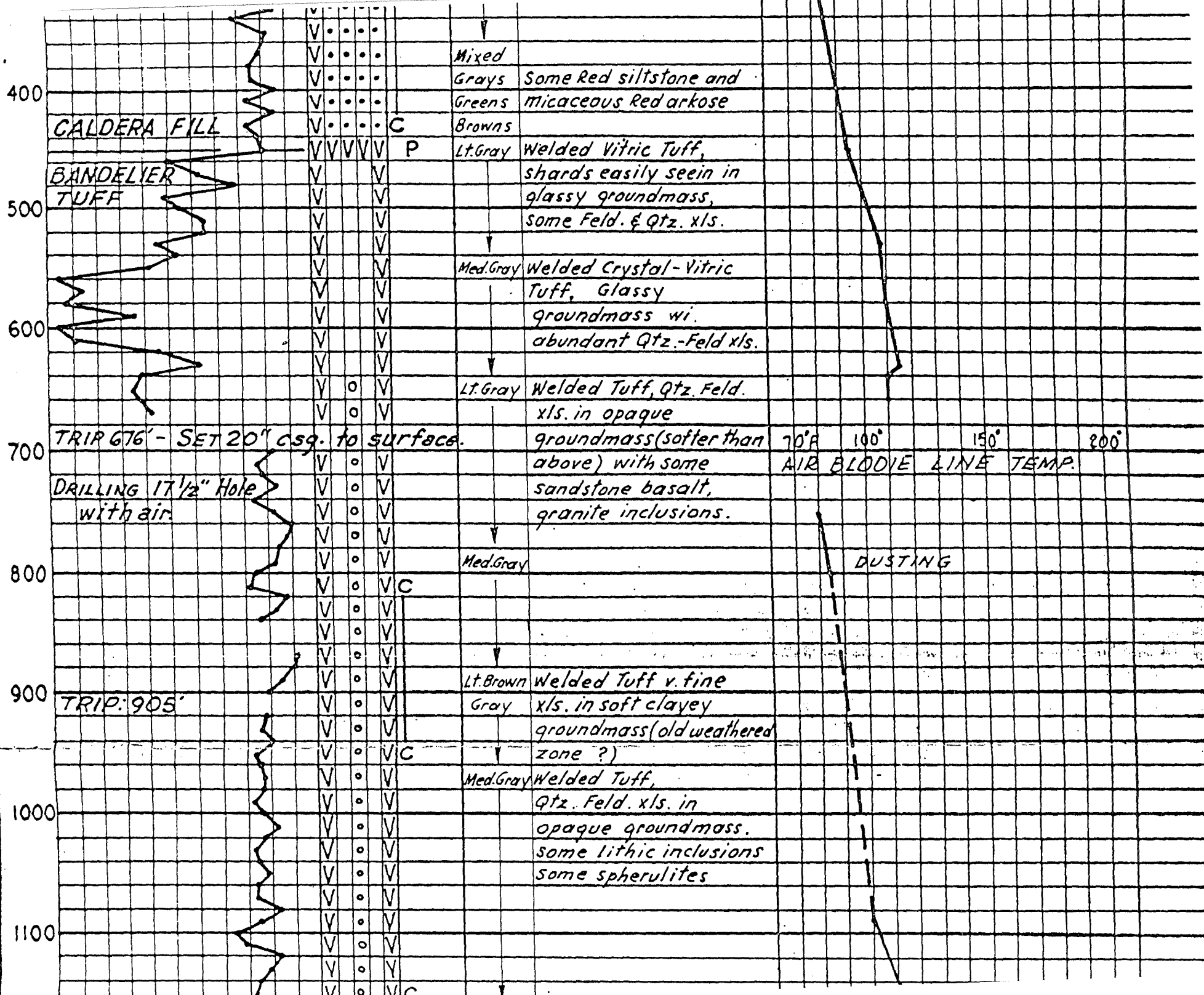
DATE SEP 15 1971
 COMPLETION DATE SEPTEMBER 1971
 DRILLING CONTRACTOR LOFFLAND
 ENGINEER HARRELL
 GEOLOGIST DONDANVILLE

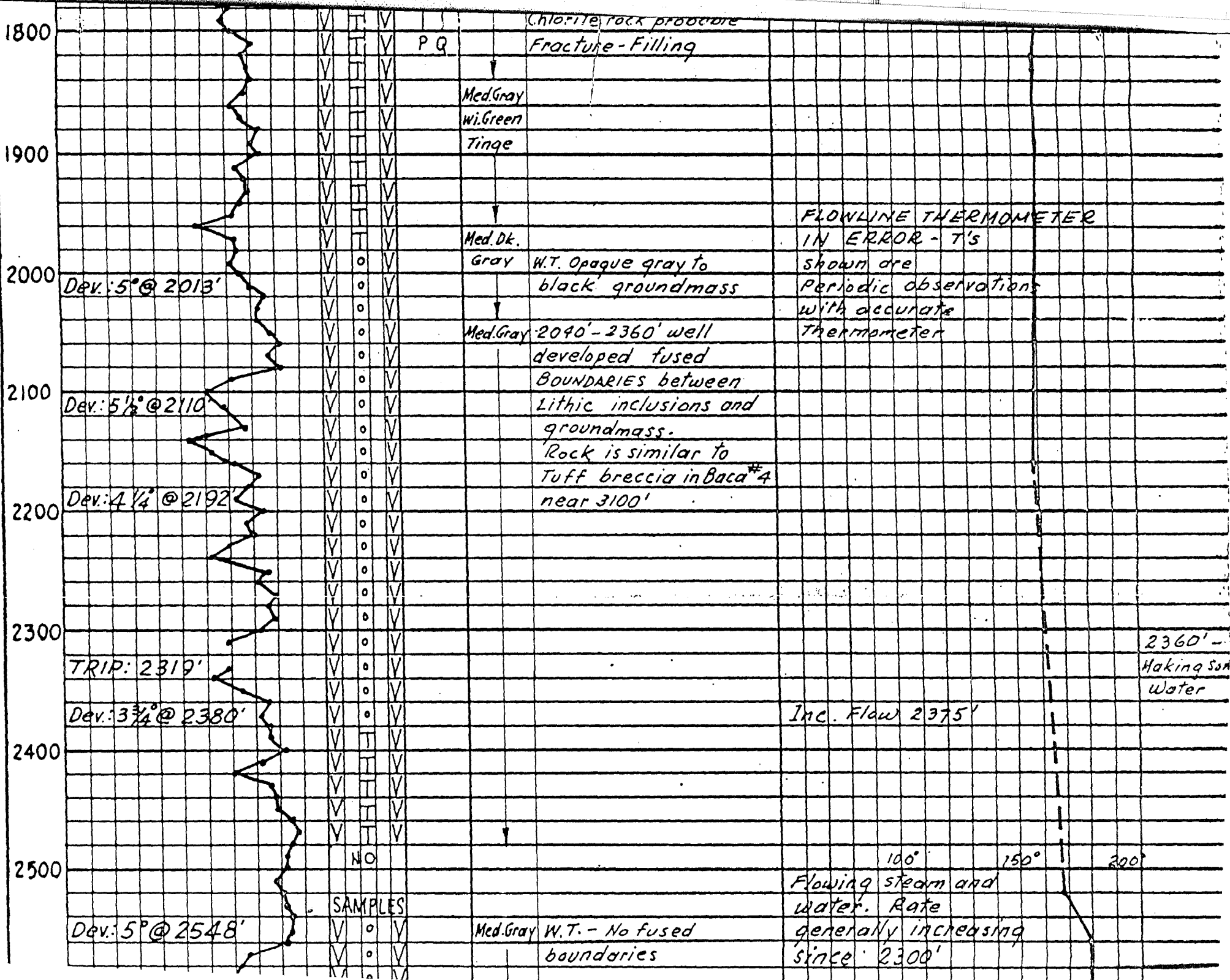
EXPLANATION

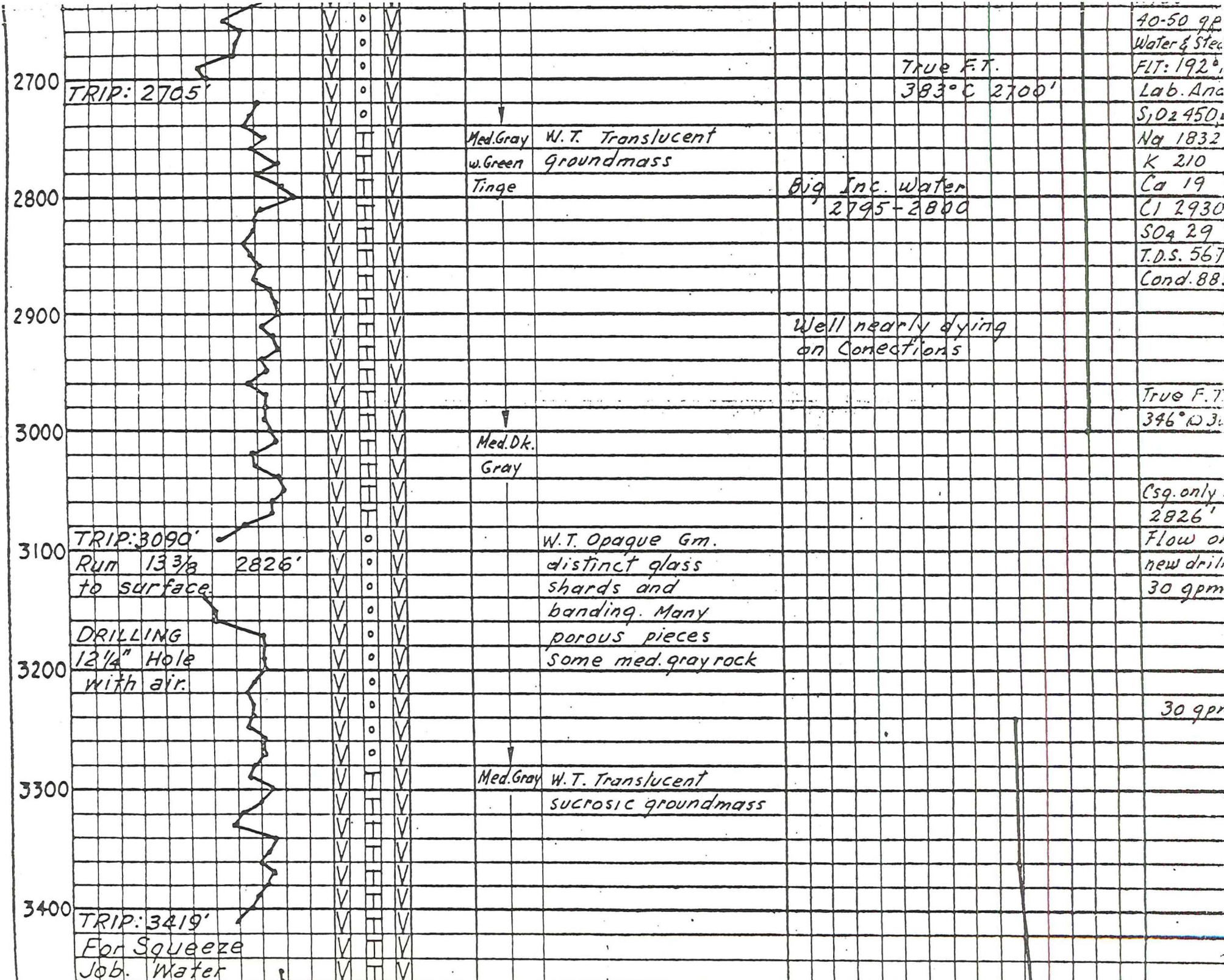
DRILLING	ROCK	MINERALS	PHYSICAL - CHEMICAL
NB - NEW BIT	<input checked="" type="checkbox"/> SHALE	<input checked="" type="checkbox"/> CHERT	D.H.-DOWN HOLE PPM - PARTS PER MILL
RRB - RERUN BIT	<input type="checkbox"/> SILTSTONE	<input checked="" type="checkbox"/> VOLCANICS	B.H.-BOTTOM HOLE
CB - CORE BIT	<input type="checkbox"/> SANDSTONE	<input checked="" type="checkbox"/> INTRUSIVE	F.L. FLOW LINE
LC - LOST CIRCULATION	<input checked="" type="checkbox"/> CONGLOMERATE	<input checked="" type="checkbox"/> TUFF	T. TEMPERATURE
DEV - DEVIATION	<input checked="" type="checkbox"/> LIMESTONE	<input checked="" type="checkbox"/> METAMORPHIC	P. PRESSURE
DST - DRILL STEM TEST	<input checked="" type="checkbox"/> DOLOMITE	<input type="checkbox"/>	T.C. TIME SINCE CIRCULATION
	<input checked="" type="checkbox"/> GYP, ANHYD.	<input type="checkbox"/>	W.H. WELL HEAD

TUFF GROUNDMASS: OPAQUE (O), TRANSLUCENT (T)

DEPTH	PENETRATION DATA				LITHOLOGY				PHYSICAL - CHEMICAL DATA				MIS
	□ FT./HR.		□ MIN./FT.		PRIMARY LITH	SECONDARY MINERALS	BULK COLOR	DESCRIPTION	MUD FLOWLINE TEMPERATURE				
			MIN/10 FEET		100 % 0				70°	100°	150°	200°	
					VVVVV		BROWN	Welded Tuff,					
					VVVVV	C	ε	Weathered, common					
					VVVVV		ORANGE	loose Bipyramidal					
					VVVVV		BROWN	Qtz. xls. Trace					
100					VVVVV			Sandstone					
					VVVVV								
					VVVVV								
					VVVVV		Lt.Gray						
200	100'	80'	60'	40'	20'	10'	VVVVV						
					VVVVV			Mixed welded Tuff,					
					VVV	P		Tuffaceous Sandstone,					
					VV	P	M.Gray	Minor Qtz. sandstone					
					V			Basalt, Andesite, Limestone					
300					V			Granite, Common Loose					
					V			Bipyramidal Qtz. xls.					
					V								
					V								
					V			Mixed					







2700 TRIP: 2705'

True F.T.
383°C 2700'

40-50 gpm
Water & Steam
FLT: 192°
Lab. Anal.
S, O₂ 450
Na 1832
K 210
Ca 19
Cl 2930
SO₄ 29
T.D.S. 567
Cond. 88

Med. Gray W.T. Translucent
w. Green Groundmass
Tinge

Big Inc. Water
2795-2800

2800

Well nearly dying
on Connections

2900

Med. Dk.
Gray

True F.T.
346°C 3000'

3000

TRIP: 3090'
Run 13 3/8 2826'
to surface.

W.T. Opaque Gm.
distinct glass
shards and
banding. Many
porous pieces
Some med. gray rock

Csg. only 2826'
Flow on
new drill
30 gpm

3100

DRILLING
12 1/4" Hole
with air.

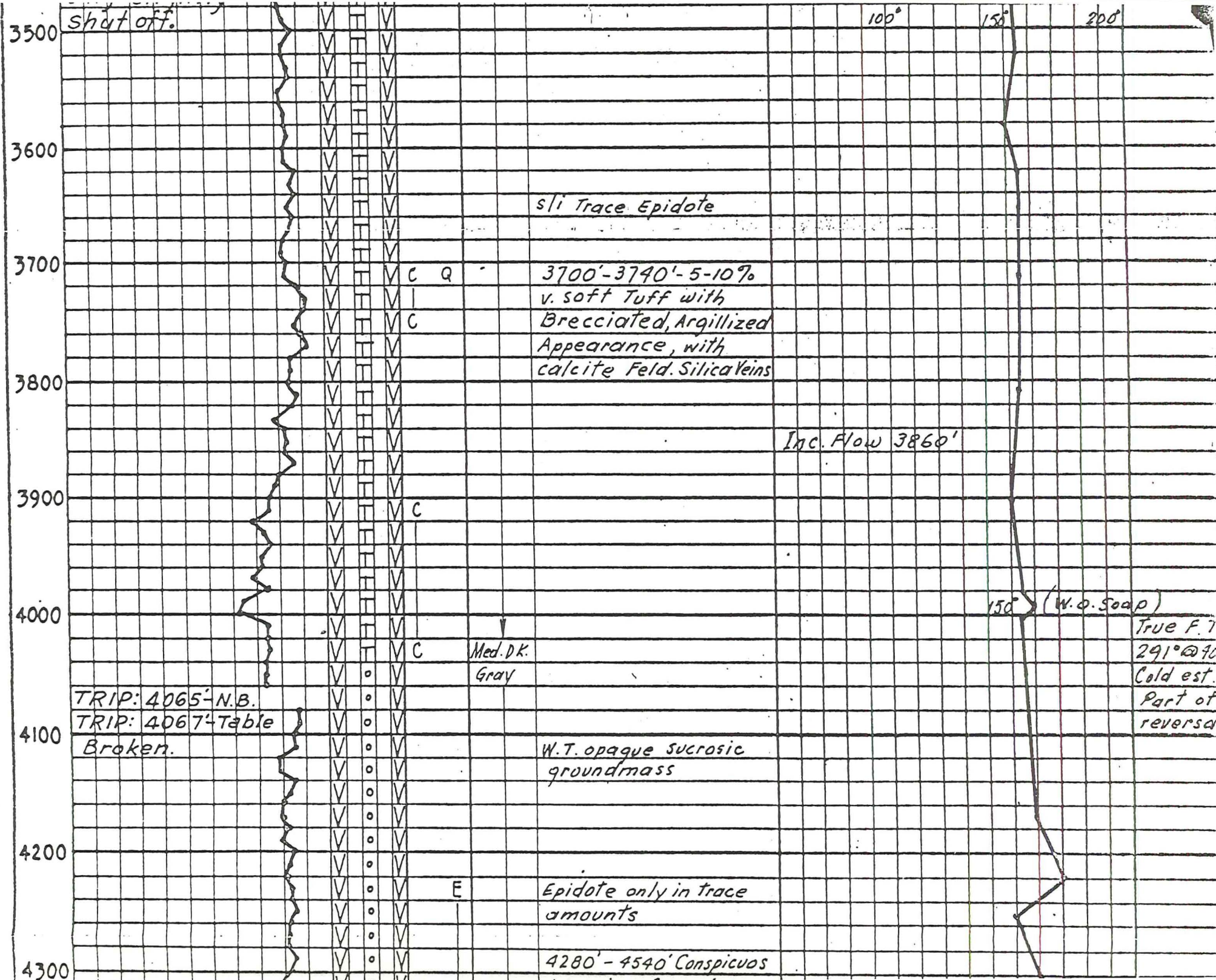
30 gpm

3200

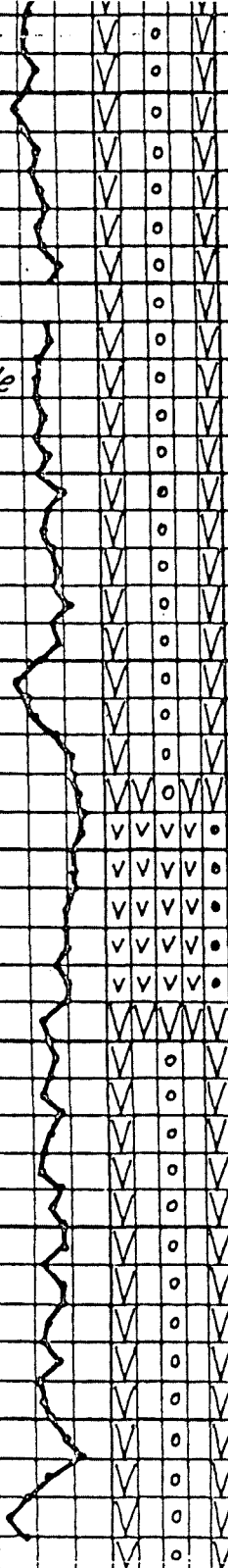
Med. Gray W.T. Translucent
sucrosic groundmass

3300

3400 TRIP: 3419'
For Squeeze
Job. Water



4300
4400
4500
4600
4700
4800
4900
5000



4280' - 4540' Conspicuous
Layering from dense
Glassy and squashed
Pumice or devitrified
zones.

TRIP: 4400'
9 5/8" Csg. 4400'
Hung at 2692'
DRILLING 8 3/4" Hole
with air.

E

E

Reddish tinge in
some rocks

4680' - 4780' mostly
black basalt wi.
few large plagioclase
xls. and minor
sandstone.

No flow from
Basalt - Sand
zone

4780' - welded
Tuff: Qtz, Feld.
xls. in light to
dark gray opaque
Matrix. Shardy to
Massive structure

DUSTING

Q

Qtz - Massive white veins

True F. T
360° @ 50'

Steam & wa
10 ppm

Field An
Cl < 350 ppm

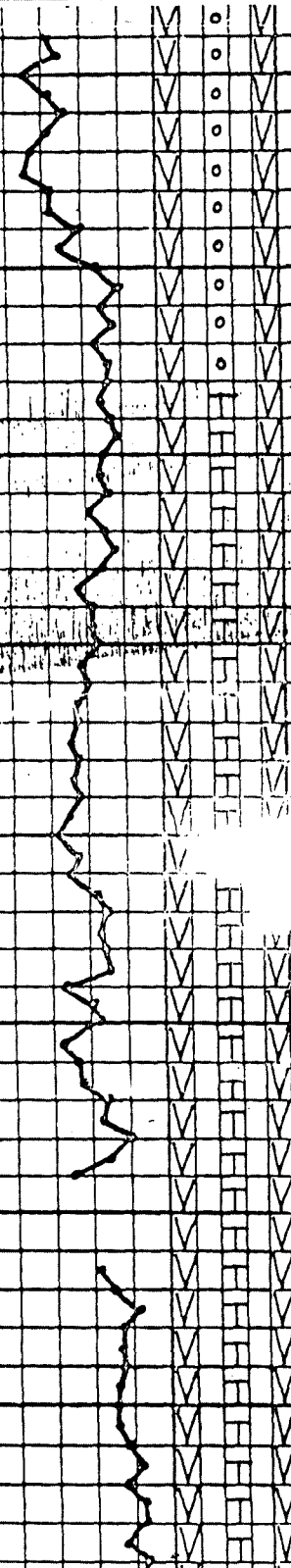
S₁O₂ 3.2 ppm
SO₄ 150 ppm

TRIP: 5063'

TRIP: 5063'

Med. Gray

5100
5200
5300
5400
5500
5600
5700
5800



Fractures 5295' and 5310'

Inc. water From Fracs.

Flow: 60 BPH

Med. Lt. Gray

w. T. Translucent. Sucrosic groundmass

100° 150° 200°

True F.T. 371° @ 57'

Fractures 5655'

Water Inc. SCALE CHANGE Install orifice 8 3/4" in Bxodie Line

Trip 5684
Lab. Anal
S₁O₂ 260
Na 1020
K 80
SO₄ 64
Cl 1330
T.O.S. 316
Cond. 475

TRIP: 5684'

PRESSURE TEMPERATURE

0[#] 15[#] 30[#] 200° 250°

