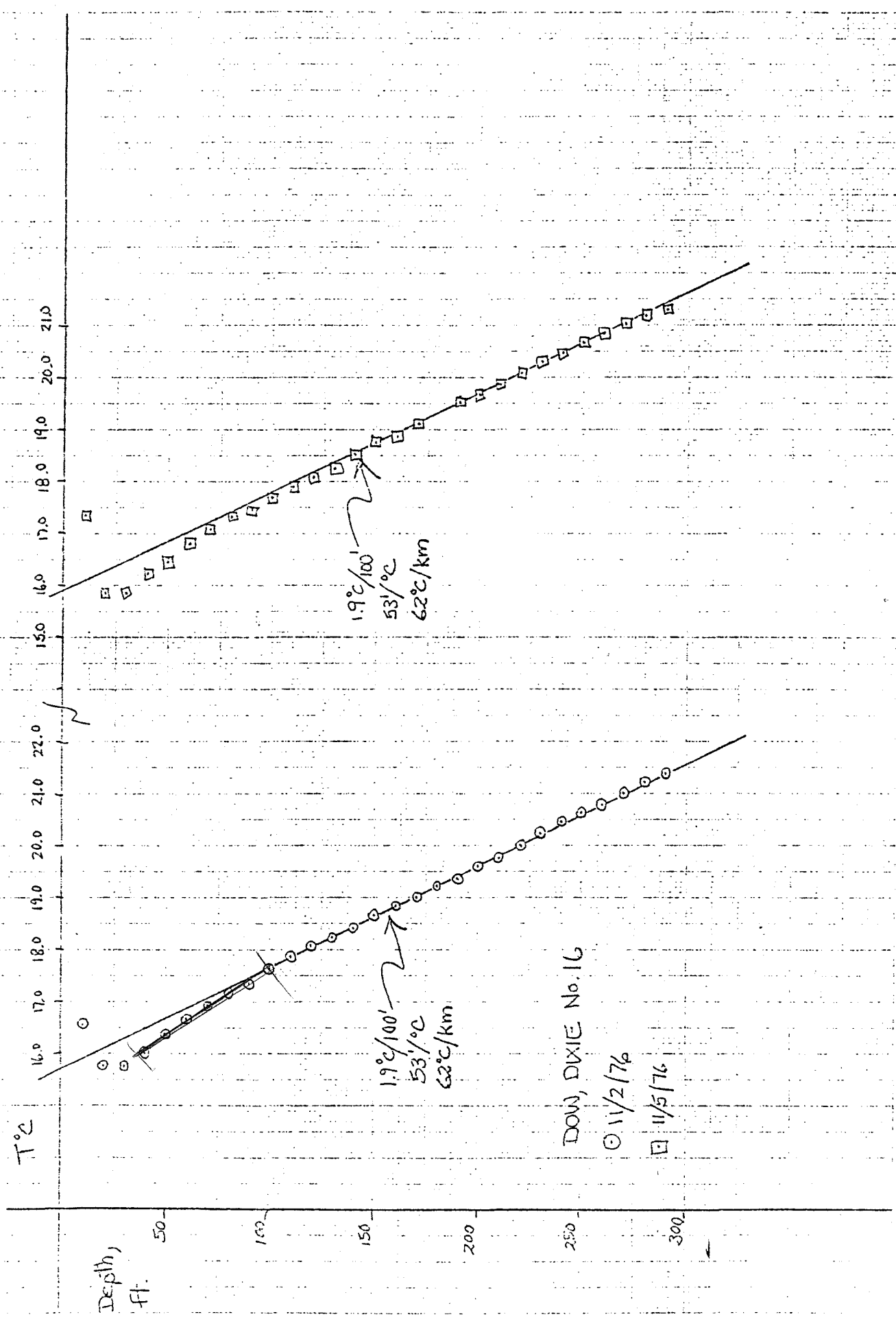


DOW DIXIE NO. 16 = 903-18



DOW, DIXIE No. 16

○ 11/2/76

□ 11/5/76

DOW, DIXIE No. 16

TEMPERATURE LOG

C. Klein

Loc:

Date: 11/5/76

Time: 1220

<u>Depth</u>	<u>TC, down</u>
10	17.37
20	15.85
30	15.84
40	16.22
17 - 50	16.43
60	16.80
70	17.07
80	17.31
90	17.46
31 - 100	17.70
110	17.90
120	18.09
130	18.26
140	18.54
150	18.75
160	18.88
170	19.10
180	19.51 ← 180 skipped
200	19.68
210	19.89
220	20.09
230	20.30
240	20.43
250	20.67
260	20.84
270	21.02
280	21.20
290	21.30 ← bottom

903-18

DOW, DIXIE No.16

TEMPERATURE LOG

C. Klein

Loc:

Date: 11/2/76

Time: 1700

Depth T°C, down

10	16.46
20	15.76
30	15.76
40	16.01
50	16.38
60	16.66
70	16.91
80	17.17
90	17.37
100	17.61
110	17.83
120	18.07
130	18.23
140	18.41
150	18.65
160	18.83
170	19.00
180	19.21
190	19.38
200	19.60
210	19.76
220	20.00
230	20.22
240	20.45
250	20.62
260	20.80
270	21.00
280	21.22
290	21.39 ← bottom

15 —
77 °C/km
31 —

66 °C/km

88 —

(22.2) 77, 66
 2.73 18 3.3 @ 5.0

Hole No. 16
Operation Summary

10/30-10/31: M. Gardner, transcribed
by C. Klein

11/1: C. Klein

Loc: Bend in road, NW $\frac{1}{4}$ Sec. 31, T23N, R37E, E side of Dixie Valley.
Drilling Log: (3.9 mi N of Dyer Junction)

10/30/76

Driller: L. Millard

- 1030 Arrival, set-up, spud-in
1335 100' depth, drilling steady and smooth; stop for minor maintenance to Kelley chuck and swivel.
1355 drilling below 100'; some bouncing
1505 drilling below 190',
Water coming into hole
1750 T.D. 300 ft.
1800 Circulate and withdraw rods
1815 Rods binding. Hole sloughing at around 240-270'
1840 Withdraw above binding zone; plan to return in a.m. and flush and ream hole to T.D.

10/31/76

Driller L. Millard

0815 Arrive, set-up, water haul.

Mud pump inoperative, parts needed. Shut down, to Reno.

11/1/76 Driller R. Cardell

am Hole blocked at c. 260-280 ft. Ream to 300 ft. Emplace plastic casing. Remove to site 15.

Geologic Setting: Distal region of fan deposits, 4 miles from range front, about 140 ft. altitude above basin bottom 3 miles to west. Note E side of Dixie Valley is rotated fault block, not fault escarpment.

Geologic Summary: Entire section is fan deposits; pebbles, chips of gray silt, black shale, buff and orange sand, black basalt/gabbro, quartz, free calcite. Most grains are about 1-9 mm diameter; section is particularly sandy below about 175 ft. Flatter^d pebbles like from channel fill at 205-220 ft. Driller reports water table at 85 ft. ^{noted} Hole contributing water but not artesian at about 220 ft..

D010
DIXIE 16

LITHOLOGIC LOG

GeothermEX, Inc.
Site Scientist MCB
Date 30 Oct 16

INTERVAL	SCHEMATIC OF STRATIGRAPHY	LITHOLOGIC DESCRIPTION	COMMENTS, INTERPRETATION
0 10		Kang, pebbles, chips of ^{gray} siltstone + orange sand, black ^{1A} ts/t/gabbro, qz, free calcite; grains 1-9 mm majority; some to 35 mm	Conglomerate
10 20		do	do
20 30		do	do
30 40		do	do
40 55		do; several large grains	do
55 70		do	do
70 85		do	do
85 100		do	do
100 115		do	do

WATER TABLE

DOW
DIXIE 16

LITHOLOGIC LOG

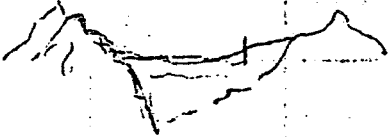
GeothermEx, Inc.
Site Scientist MCA
Date 30 Oct 76

INTERVAL	SCHEMATIC OF STRATIGRAPHY	LITHOLOGIC DESCRIPTION	COMMENTS, INTERPRETATION
115 130	do	do	do
130 145	do	do; 1-6 mm predominates	do; lens w/ stringers of sand, cemented by calcite(?)
145 160	do	do; few grains of breccia	do
160 175	do	do; mud balling around sand grains	do
175 190	do	do; increasing sand	do
190 205	do	do;	do
205 220	do	do; sand plus glauconite pebbles, like from channel fill.	do
220 235	do	do	HOLE CONTRIBUTES TO WATER BUT NOT ARTESIAN
235 250	do	do	

DOW
DIXIE 16

LITHOLOGIC LOG

GeothermEx, Inc.
Site Scientist MJM
Date 29 Oct 76

INTERVAL	SCHEMATIC OF STRATIGRAPHY	LITHOLOGIC DESCRIPTION	COMMENTS, INTERPRETATION
260 265		do	do
265 280		predominantly finer grained material; blk sh, ss, bslt/su gabbro(?)	Coarse sdy cong at base of most recent core gravel
280 295			
295 300		H	