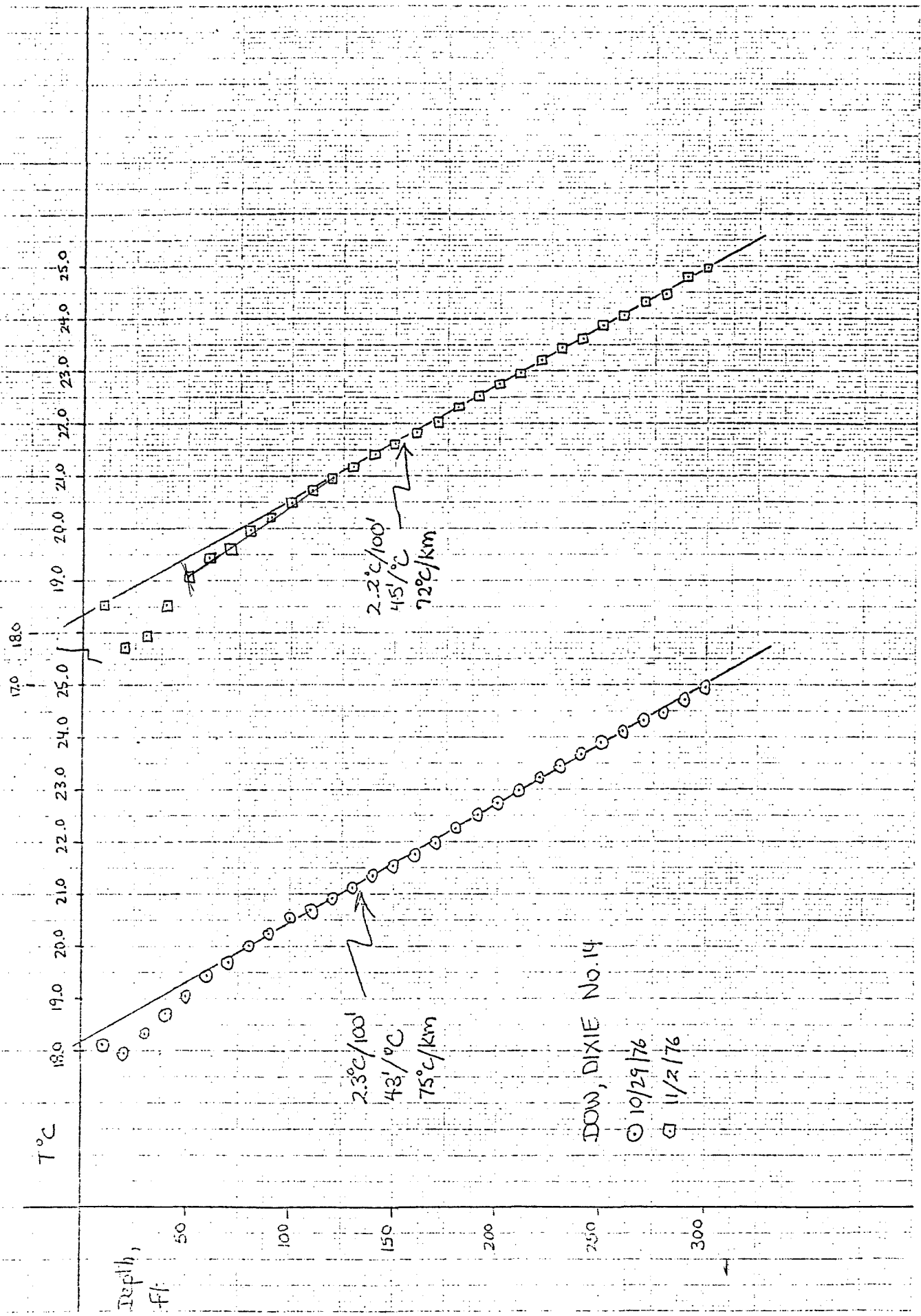


DOW DIXIE NO. 14

903-31



DOW, DIXIE No. 14
 ○ 10/29/76
 □ 11/2/76

DOW, DIXIE No. 14

TEMPERATURE LOG

C. Klein

Loc:

Date: 11/2/76

Time: 1400

Depth T°C, down

	10	13.52
	20	17.73
	30	17.96
	40	18.53
	50	19.07
81	60	19.44
18	70	19.62
	80	19.97
	90	20.22
	100	20.49
	110	20.72
37	120	20.98
	130	21.18
	140	21.42
	150	21.62
	160	21.83
	170	22.04
	180	22.32
73°C/Km	190	22.52
	200	22.77
	210	22.98
	220	23.21
	230	23.46
	240	23.61
	250	23.89
	260	24.07
	270	24.32
	280	24.48
	290	24.80
92	300	24.98 TD

Finish : 1500 hrs

$$\frac{(25.6)}{2.47}$$

(31)

$$\frac{81, 73}{2.9 @ 4.0}$$

DOW DIXIE No.14

TEMPERATURE LOG

M. Gardner,
transcribed by
C. Klein

Loc: Approx. 1000' SW bench mark (3454), T24N, R36E

Date: 10/29/76

Time:

<u>Depth</u>	<u>T°C, down</u>
10	18.12
20	17.95
30	18.31
40	18.71
50	19.05
60	19.45
70	19.70
80	20.02
90	20.24
100	20.51
110	20.70
120	20.91
130	21.12
140	21.34
150	21.55
160	21.76
170	21.98
180	22.25
190	22.51
200	22.76
210	22.99
220	23.22
230	23.46
240	23.68
250	23.90
260	24.12
270	24.31
280	24.46
290	24.71
300	24.95 TD

Hole No. 14
Operation Summary

C. Klein to 1240m
M. Gardner, transcribed by C. Klein
1240 hrs. to
Completion.

Loc: Approx. 1000' sus bench mark (3454), T24N, R36E.

Drilling log:

10/27/76 Driller: R. Cardell

1045 Arrive, set-up

1130 Drilling

1240 At 115 ft.

1535 At 235 ft.

1605 At 265 ft.

1705 At 300 ft., circulate cold water to wash hole and string.

1715 pull string, emplace PVC pipe, remove to site no. 1.

Geologic Setting: Distal region of fan deposits, $1\frac{1}{2}$ mile from range front, about 50 ft. altitude above basin level opposite.

Geologic summary: Fan deposits with interbedded basin clays in zone 40-55 ft. Fan sediments are gravelly 0-10 ft. Below 10 ft. returns are mostly in sand and smaller sizes, with occasional pebbles (1 cm) to 130 ft. Periodic bouncing and vibration of string throughout section implies possible cobbly-bouldery (?) zones. Volcanic, stony sediment lithologies. Driller reports water at 80-85 ft.

DOW
 DIXIE No. 14

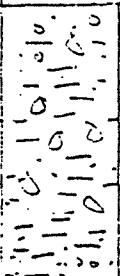







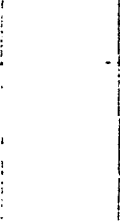
LITHOLOGIC LOG

INTERVAL	SCHEMATIC OF STRATIGRAPHY	LITHOLOGIC DESCRIPTION	COMMENTS, INTERPRETATION
0-10'		Fan deposits: angular pebbles, sand, brown silt and clay. Coarse material abundant. Multicolored volcanics.	
10-20'		Coarse and medium angular sand, brown silt & clay.	Compared to 0-10' amounts of debris recovered: small, most of deposit inferred to be clay-silt-fine sand.
20-30'		Coarse angular sand, brown silt and clay. Abundant coarse cuttings black slate (?) in addition to volcanics.	30': much vibration. Gravel, cobbles? c 35 ft: rapid penetration. Clay Black slate noted here continues below
30-40'		Sandy brown silt-clay, occasional pebbles	
40-55'		Sandy brown silt-clay. Lt. faintly olive gray clay-silt with very fine sand.	Alternating fan-basin environment
55-70'		Angular-subrounded sand, fine pebbles (to 1cm), sandy brown silt-clay.	
70-85'		Same	70-85 percolic vibration v. strong Rapid penetration. 85-100 : ibid
85-100'		same	Driller reports water at 80-85 ft.
100-115'		same	100-115 : ibid

DOW
DIXIE No. 14

LITHOLOGIC LOG

Site Scientist C. Klein
Date 10/27/76

INTERVAL	SYNTHETIC LOG STRATIGRAPHY	LITHOLOGIC DESCRIPTION	COMMENTS, INTERPRETATION
115-130'		fewer pebbles	c.110 drilling rate slows. c.115 - Less frequent + intense vibration, rate continues somewhat slower than in 0 to c.110.
130-145'		pebbles rare	130-145: periodic strong vibration
145-160		Chips of black siliceous bit, red. scama, small pebbles ashly silt,	
160-175		" ; white/pale gray clay frags	
175-190		" ; 3mm grains, fragments of fsp + few frags of gz.	
190-205		" ; buff sdy. silt frags.	Vibration
205-220		"	
220-235		"	vibration bit becoming very approx 8' as if hitting series of nod. flow nets.
235-250		"	

