

DOW DIXIE NO. 10 = 903-27

Hole No. 10
Operation Summary

C Klein

Loc. End of fence row, SE $\frac{1}{4}$, Sec. 12, T23N, R35E

Drilling Log:

10/19/76

1440 Arrive, set-up

1540 Spud-in, using drag bit. Penetration rate c. 20 ft/10 sec. through
clays.

- 70 ft. encounter weak artesian water flow, c. 5-10 gpm

1610 At 82 ft. order halt to drilling. Artesian flow rate appears to
be decreasing.

1630 Shutdown. Flow continues at c. $\frac{1}{2}$ gpm

10/20/76

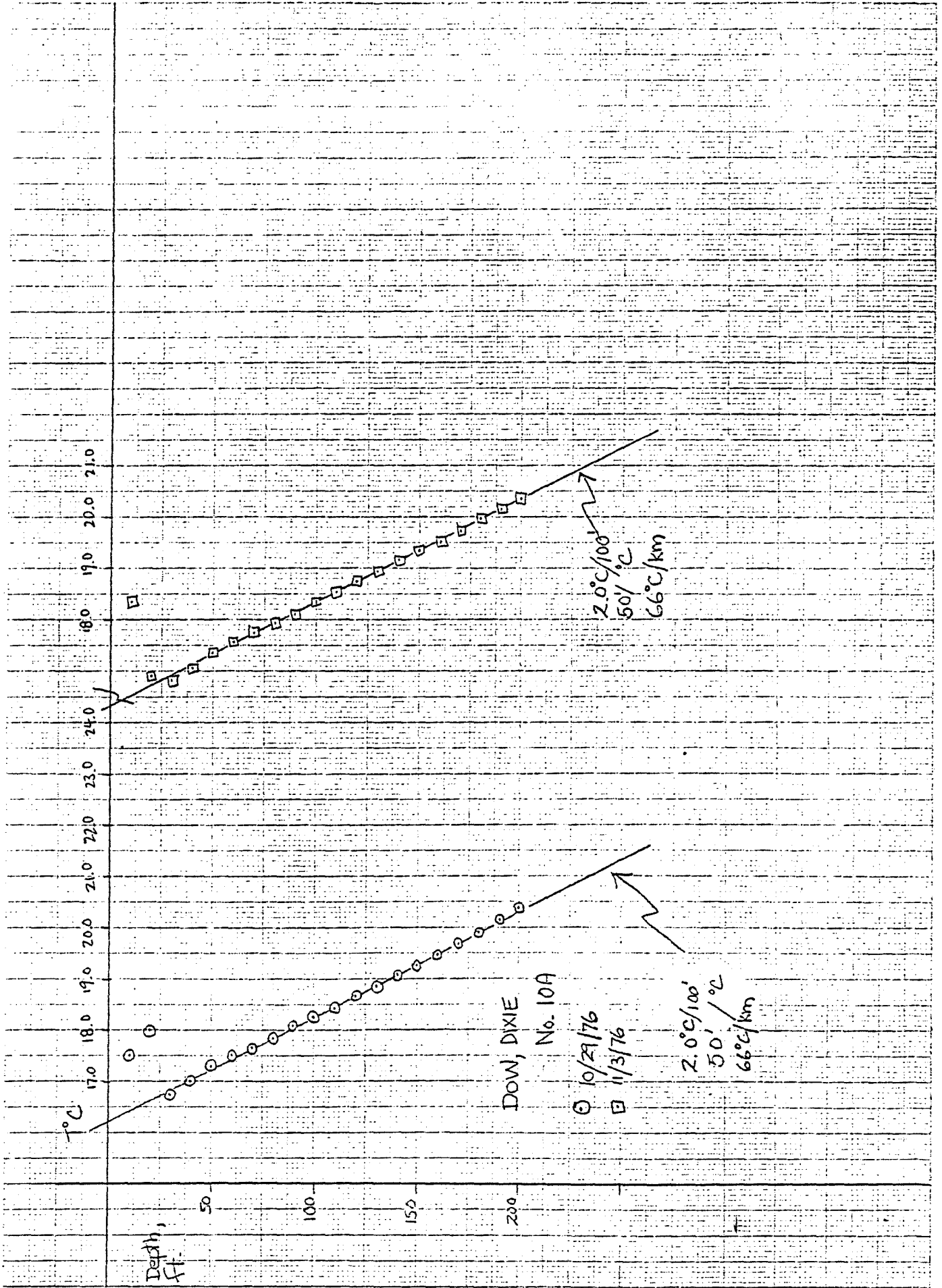
0800 Flow has ceased. Rig moved to site No. 11. This site to be
abandoned.

10/21/76

0900 Mud level in hole is c. 4 ft. below surface.

Hole plugged with cement c. 10 ft to surface (2 sacks cement).

DOW DIXIE NO. 10-A



DOW, DIXIE
No. 10A

○ 10/21/76

□ 11/3/76

2.0°C/100'
50°/°C
66°C/km

2.0°C/100'
50°/°C
66°C/km

DOW, DIXIE No. 10A

TEMPERATURE LOG

C. Klein

Loc. Lambert (Box A-3) ranch

Date: 11/3/76

Time: 615 hrs

Depth T°C, down

10	18.36
20	16.90
30	16.82
40	17.06
15 — 50	17.37
60	17.57
70	17.75
80	17.93
90	18.10
100	18.35
110	18.54
120	18.75
130	18.95
140	19.15
150	19.33
160	19.51
170	19.72
180	19.97
61 — 190	20.14
200	20.35

66° C/Km

61

(22.9) 27 66
2.73 2.3 @ 3.5

Dow, DIXIE No. 10A

TEMPERATURE LOG

M. Gardner,
transcribed by
C. Klein

Loc: Lamberti (Bar A-3) Ranch

Date: 10/29/76

Time:

<u>Depth</u>	<u>T°C, down</u>
10	17.52
20	18.0
30	16.75
40	17.0
50	17.3
60	17.52
70	17.64
80	17.84
90	18.09
100	18.25
110	18.44
120	18.65
130	18.85
140	19.06 (last digit ?)
150	19.26
160	19.47
170	19.69
180	19.91
190	20.14
200	20.39 TD

Hole No. 10A Operation Summary

C. Klein

Loc: Lamberti (Bar A-3) Ranch, SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 1, T23N, R35E. See map below

Drilling Log:

Driller: L. Millard

10/26/76

1900 move onto site, set-up

c. 2030 Spud-in

2200 At. 40 ft.

2230 At. 85 ft.

10/27/76

c. 0500 Hole complete to 200 ft. PVC pipe in place. End of shift

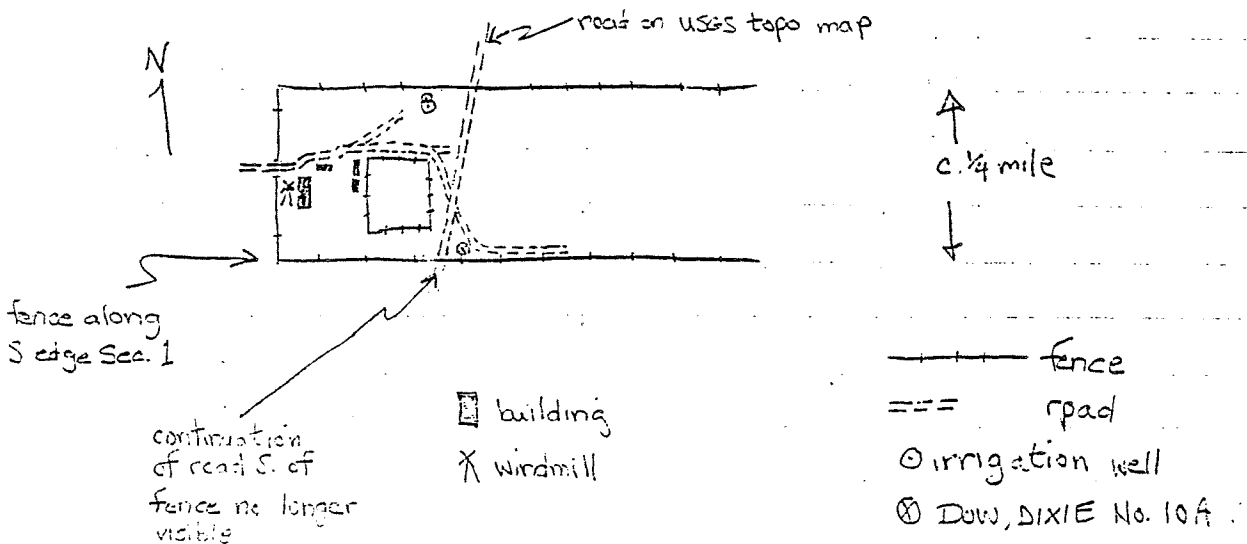
0745 Driller R. Gardell on shift. PVC pipe cemented, remove to site

10 to cement abandoned hole, then to site 14.

Geologic Setting: Distal portion of alluvial fan, about $\frac{1}{4}$ mile from mountain front, $\frac{3}{4}$ mile from salt flat of basin, 40-50 ft. in altitude above the flat.

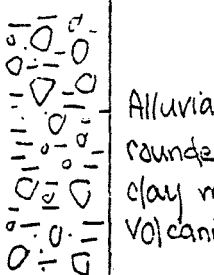
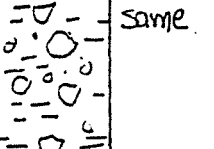
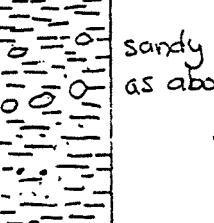
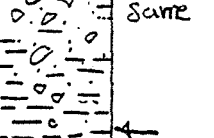
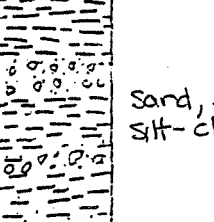
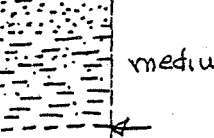
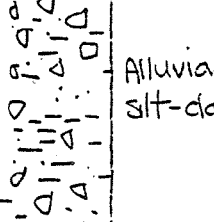
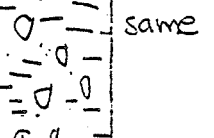
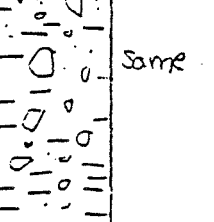
Geologic Summary: Section penetrated is mostly alluvial gravel, with interbeds of clay which form most of the zone from 20-40 ft, much of 40-70 ft, and lesser amounts of 0-20 and 70-200 ft.

Map showing location:



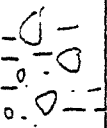
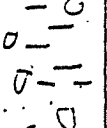
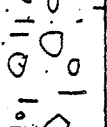
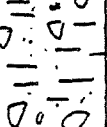
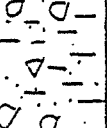
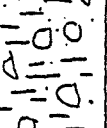
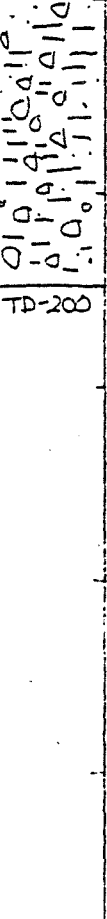
LITHOLOGICAL LOG

DOW
 DIXIE No. 10A

INTERVAL	SCHEMATIC OF STRATIGRAPHY	LITHOLOGICAL DESCRIPTION	COMMENTS, INTERPRETATION
0-10'		Alluvial gravel (fan deposit): subangular to rounded sand, pebbles to 2cm, brown silt and clay matrix. Gabbro, silicic and mafic Volcanics.	
10-20'		Same	
20-30'		sandy brown silt-clay, minor gravel as above	
30-40'		Same	
40-55'		Gray clay, subangular-rounded sand, small pebbles (to 1cm), minor brown sandy silt-clay	Brown sandy silt-clay is probably matrix of gravelly-sandy interbeds
55-70'		Gray clay, subangular-rounded medium grained sand, brown sandy silt-clay.	
70-85'		Alluvial gravel plus bits of sandy brown silt-clay, as in 0-20'. Pebbles to 2cm	
85-100'		Same	
100-115'		Same	

LITHOLOGICAL LOG

DOW
 DIXIE No. 10A

INTERVAL	SCHEMATIC OF STRATIGRAPHY	LITHOLOGIC DESCRIPTION	COMMENTS, INTERPRETATION
115-130'		Same	
130-145'		Same	
145-160'		Same	
160-175'		Same	
175-190'		Same	
190-200'		Same	
		TD-200	