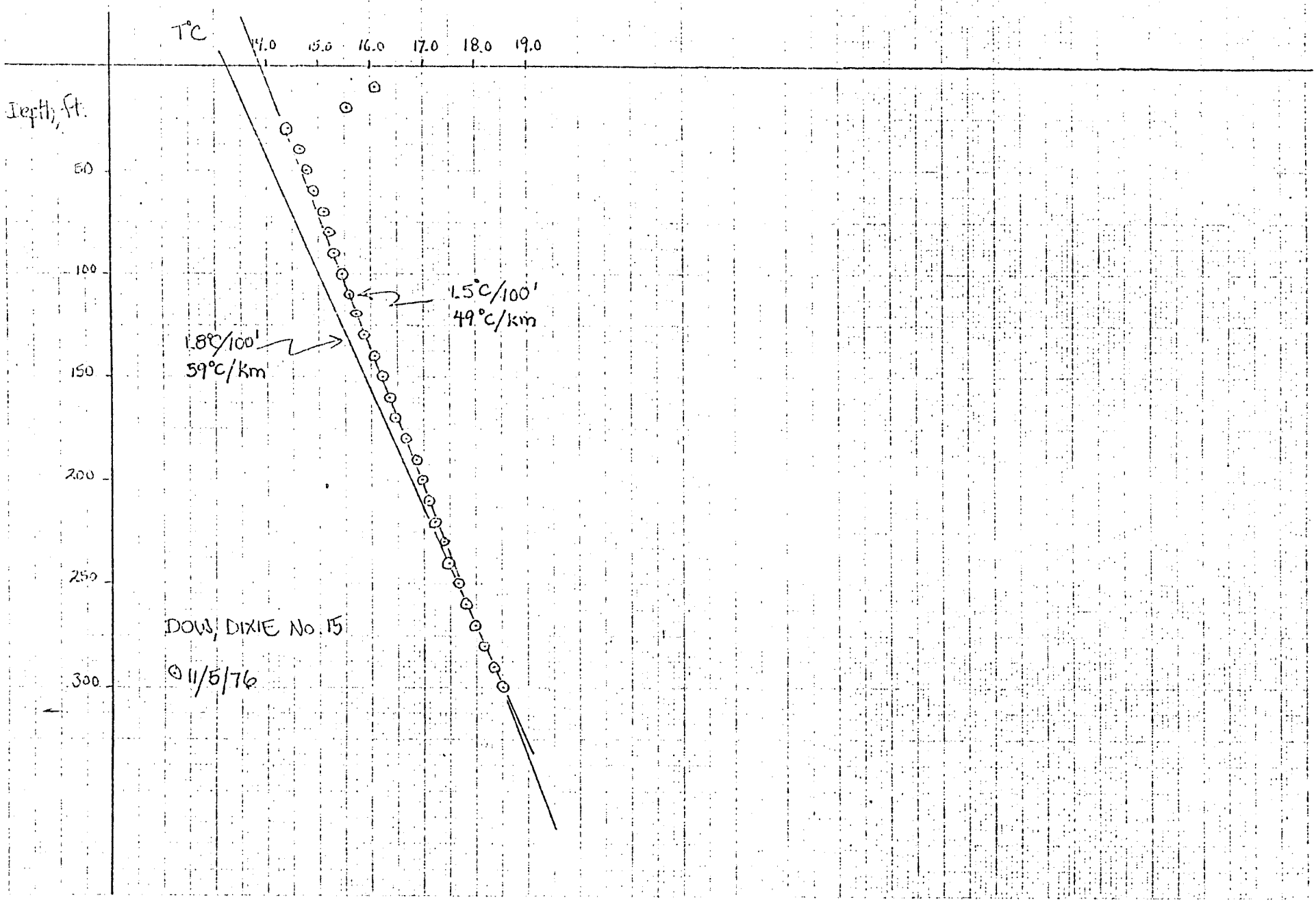
DOW DIXIE NO. 15 = 903 - 17


T°C
14.0
15.0
16.0
17.0
18.0
19.0
Depth, ft.
50
100
150
200
250
300
1.5°C/100'
49°C/km
1.8°C/100'
59°C/km
DOW, DIXIE No. 15
11/5/76

903 - 17

DOW DIXIE No. 15 — TEMPERATURE LOG — C. Klein

Loc:

Date: 11/5/76

Time: 1115 hrs

	Depth	T°C, down
	10	16.08
	20	15.56
	30	14.41
	40	14.67
15	50	14.76
	60	14.92
	70	15.12
	80	15.20
	90	15.30
	100	15.47
	110	15.59
	120	15.71
	130	15.96
	140	16.07
	150	16.21
	160	16.34
	170	16.46
	180	16.66
	190	16.87
	200	16.96
	210	17.10
	220	17.22
	230	17.39
	240	17.49
76	250	17.67
	260	17.80
	270	17.98
	280	18.16
	290	18.33
92	300	18.51

48°C/Km

53°C/Km

$\frac{(18.9)}{3.40}$ (17) $\frac{48, \overline{53}}{2.7 \text{ @ } 5.0}$

Hole No. 15 C. Klein

Operation Summary

Loc.

Drilling Log:

11/1/76 Driller: R. Cardell

am - move rig onto site, set-up

11/2/76 Driller: L. Millard

1100 Arrive, fix pump, water trip

1230 Spud-in

1345 ft. 220 ft., shutdown, water trip. Hole using much water.

11/3/76

0800 - Flat-tire on water truck while returning with load

1010 - drilling at 220 ft.

1100 - reach TD, 300' ft, plus 5-ft. cellar.

1300 - 300 ft PVC pipe in place. Begin mobilization to Reno.

Other: 11/2/76 - Boyles crew headed by field forman Gerald - cleans sites W side of valley.

Geologic Setting: Bajada at c. 3480 ft., region of very gentle slope 4½ miles from Clan Alpine range front, c. 7 miles from Humbolt salt marsh (elevation circa 3380 ft.

Geologic Summary: Entire section is alluvium. Sandy-pebbly conglomerate 0-20 ft. Much sandy brown silt-clay at 20 ft, with coarse sand and small pebbles, amount of clay decreasing downwards and present only as matrix to sand and pebbles below about 70 ft. Medium to coarse sand predominates below about 55 ft., pebbles (coarse fraction 5mm) recovered only rarely below 220 ft.

GeothermEx, Inc.
Site Scientist C. Klein
Date 11/2/76

DOW
DIXIE No. 15

LITHOLOGIC LOG

INTERVAL	SCHEMATIC OF STRATIGRAPHY	LITHOLOGIC DESCRIPTION	COMMENTS, INTERPRETATION
0-10'		Fan deposits: angular to subrounded, most subang-subrounded sand, pebbles to 1.5cm, in matrix of brown silt-clay, plus balls of sandy brown silt-clay. Quartzite, red scoria, lt. green, gray, tan silicic volcanics, uncommon free quartz, uncommon gabbro.	
10-20'		same	
20-30'		same; brown clay-silt balls more abundant; dominate sample. ← clay-rich zone	
30-40		same, sl. lesser brown silt-clay.	
40-55		same; clasts coarser than 1 cm uncommon. ← moderately clayey zone	
55-70'		same	
70-85		same; less recovery brown silt-clay.	
85-100'		same	
100-115'		same	

DOW
DIXIE No.15

LITHOLOGIC LOG

GeothermEx, Inc.
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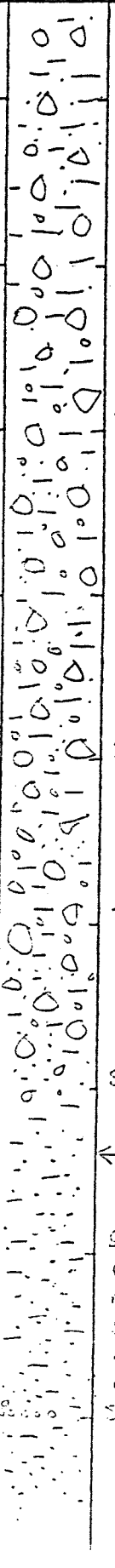
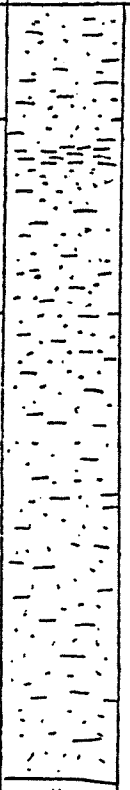
Date 11/2/76

INTERVAL	SCHEMATIC OF STRATIGRAPHY	LITHOLOGIC DESCRIPTION	COMMENTS, INTERPRETATION
115-130'		same, clasts coarser than 8 mm rare.	
130-145		same	
145-160		same	
160-175		same	
175-190		same	
190-205		same	
205-220		same	
		← *	At 220 – new mud mixed
220-235		Sand, most medium (1-2mm), rarely >3mm. Matrix of brown silt-clay (little recovered). Fragments mostly angular – quartzite, silicic volcanics, some red, dk. gray, grn, brown volcanics, occas qtz, some shale-slate (lt. and dark). 80% of clasts are light colored. Uncommon gabbro.	Loose, unconsolidated, V. rapid drilling.
235-250'		same, plus uncommon pebbles to 1.5 cm	* Apparent sharp change from fine gravel to sand at 220' probably not real. All gravel in sump dumped at 220'

DOW
DIXIE No. 15

LITHOLOGIC LOG

GeothermEx, Inc.
Site Scientist C. Klein
Date 11/3/76

INTERVAL	SCHEMATIC OF STRATIGRAPHY	LITHOLOGIC DESCRIPTION	COMMENTS, INTERPRETATION
250-265'		same; no pebbles, uncommon balls of fine sandy brown silt-clay	
265-280'		same; no clay balls	
280-295		same	
295-300'		same	No sample retained
	300' TD		