

1st Temp log
on #8

1:00 pm on 1-15-85

1124-8

1st log
(4 day log)

Depth	Res.	Temp.	ΔT	Depth	Res.	Temp.	ΔT
5	87.38	19.42		130	54.02	31.90	
10	85.72	19.93		135	53.22	32.28	
15	84.48	20.31		140	52.28	32.74	
20	82.87	20.82		145	50.59	33.58	
25	81.46	21.27		150	49.49	34.15	
30	79.95	21.76		152.5	48.78	34.52	
35	78.49	22.24					partly cloudy,
40	77.22	22.67					cold ~ 35°
45	75.73	23.18					ground is snow covered
50	74.36	23.65					
55	72.99	24.13					
60	71.59	24.64					
65	70.29	25.11					
70	68.90	25.63					
75	67.52	26.15					
80	66.30	26.62					
85	64.90	27.18					
90	63.66	27.67					
95	62.37	28.20					
100	60.99	28.78					
105	59.61	29.37					
110	58.34	29.92					
115	57.48	30.30					
120	56.48	30.75					
125	54.97	31.45					

2nd Temp log on #8

1-23-85

1124-8

2nd Temp. log

logged by R. Lohse

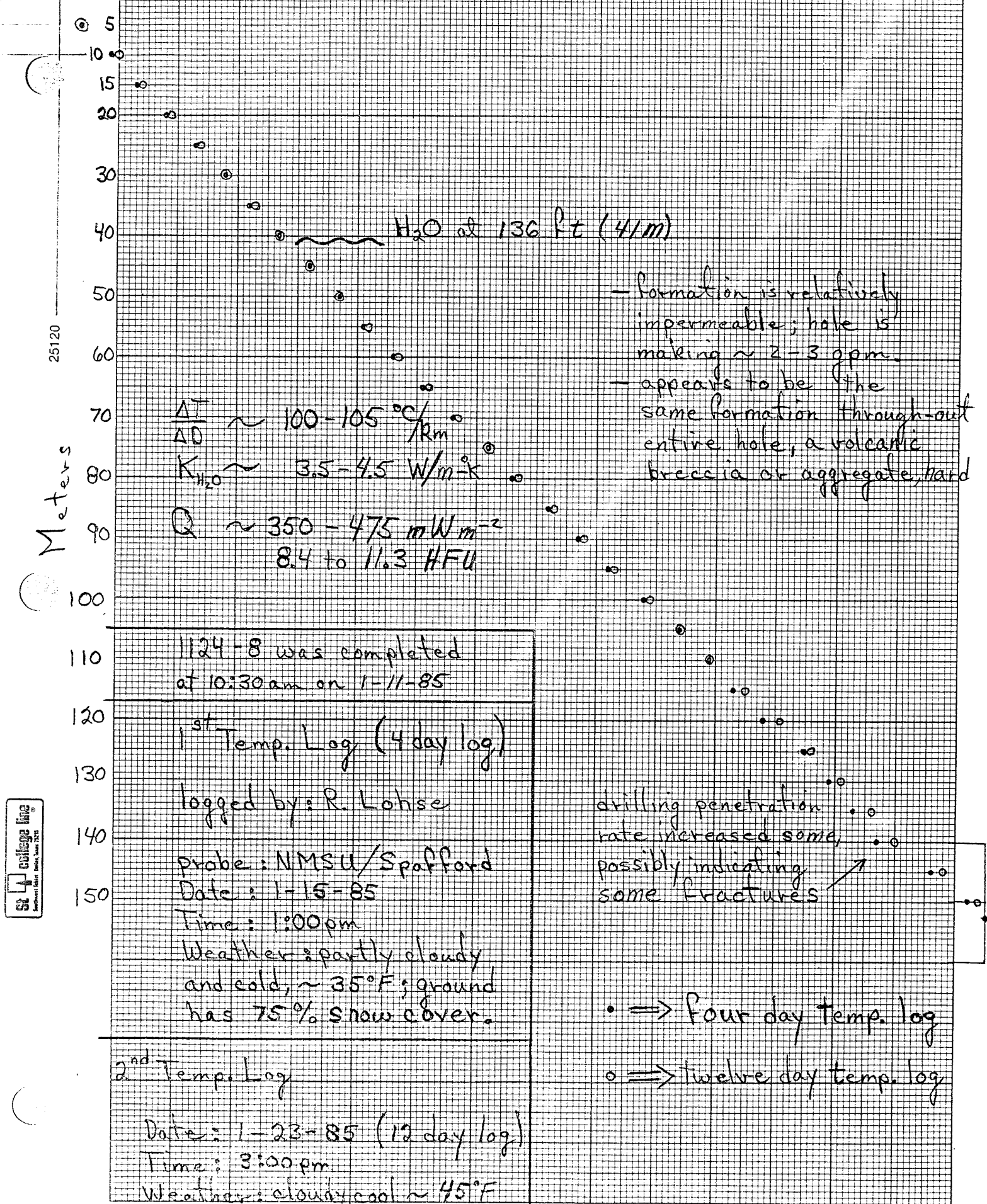
3:00 pm

cloudy, cool ~45°F

Depth	Res.	Temp.	ΔT	Grad. °C/km	Depth	Res.	Temp	ΔT	Grad. °C/km
5	87.35	19.43	0.52	104	135	52.48	32.64	0.35	70
10	85.65	19.95	0.40	80	140	51.78	32.99	0.81	162
15	84.35	20.35	0.53	106	145	50.17	33.80	0.56	112
20	82.66	20.88	0.47	94	150	49.08	34.36	0.27	135
25	81.21	21.35	0.45	90	152	48.58	34.63		
30	79.83	21.80	0.50	100					
35	78.30	22.30	0.43	86					
40	77.03	22.73	0.48	96					
45	75.62	23.21	0.50	100					
50	74.20	23.71	0.50	100					
55	72.77	24.21	0.50	100					
60	71.39	24.71	0.50	100					
65	70.02	25.21	0.51	102					
70	68.66	25.72	0.51	102					
75	67.32	26.23	0.49	98					
80	66.05	26.72	0.57	114					
85	64.62	27.29	0.48	98					
90	63.43	27.77	0.56	112					
95	62.05	28.33	0.55	110					
100	60.75	28.88	0.54	108					
105	59.48	29.42	0.47	94					
110	58.40	29.89	0.58	116					
115	57.10	30.47	0.58	116					
120	55.83	31.05	0.50	100					
125	54.75	31.55	0.55	110					
130	53.60	32.10	0.54	108					

Centigrade

8 19 20 22 24 26 28 30 32 34



$\frac{\Delta T}{\Delta D} \sim 100-105 \text{ } ^\circ\text{C}/\text{Rm}$
 $K_{H_2O} \sim 3.5-4.5 \text{ W/m}^\circ\text{K}$
 $Q \sim 350-475 \text{ mWm}^{-2}$
 8.4 to 11.3 HFU

- formation is relatively impermeable; hole is making ~ 2-3 gpm.
 - appears to be the same formation through-out entire hole, a volcanic breccia or aggregate, hard

1124-8 was completed at 10:30 am on 1-11-85

1st Temp. Log (4 day log)

logged by: R. Lohse

probe: NMSU/Spafford

Date: 1-15-85

Time: 1:00pm

Weather: partly cloudy and cold, ~ 35°F; ground has 75% snow cover.

drilling penetration rate increased some, possibly indicating some fractures

2nd Temp. Log

Date: 1-23-85 (12 day log)

Time: 3:00 pm

Weather: cloudy cool ~ 45°F

• => Four day temp. log
 ○ => twelve day temp. log

