

DD-9

GRADIENT HOLE NO.

5-16-78

DATE OF SURVEY

DEPTH	°C	°F	DEPTH	°C	°F	DEPTH	°C	°F	DEPTH	°C	°F
0	20.2	68.36	60	49.9		20	69.1		80	83.2	
10	18.9		70	50.5		30	69.5		90	83.4	
20	19.2		80	51.0		40	69.9		1400	83.7	182.66
30	20.2		90	51.5		50	70.4		10	83.9	
40	21.4		500	52.0	125.6	60	70.8		20	84.1	
50	22.4		10	52.5		70	71.3		30	84.4	183.9
60	24.2		20	53.0		80	71.7				
70	25.1		30	53.5		90	72.2		T.D.	1430 FEET	
80	25.6		40	54.0		1000	72.6	162.63			
90	26.4		50	54.5		10	73.0				
100	26.9	80.4	60	54.8		20	73.4				
10	27.2		70	55.5		30	73.8				
20	27.8		80	56.0		40	74.3				
30	28.6		90	56.5		50	74.7				
40	29.3		600	57.0	134.6	60	75.1				
50	30.0		10	57.6		70	75.5				
60	30.9		20	58.1		80	76.0				
70	31.6		30	58.6		90	76.4				
80	32.6		40	59.0		1100	76.9	170.42			
90	33.1		50	59.4		10	77.3				
200	33.6	92.48	60	59.6		20	77.7				
10	34.4		70	59.7		30	78.0				
20	35.0		80	59.9		40	78.2				
30	35.7		90	60.2		50	78.1				
40	36.3		700	60.5	140.9	60	78.1				
50	37.1		10	60.7		70	—				
60	37.8		20	60.9		80	77.6				
70	38.4		30	61.3		90	77.2				
80	39.0		40	61.6		1200	77.9	172.22			
90	39.7		50	62.0		10	78.8				
300	40.3	104.5	60	62.4		20	79.2				
10	41.0		70	62.8		30	79.5				
20	41.5		80	63.2		40	79.8				
30	42.0		90	63.7		50	80.0				
40	42.7		800	64.1	147.38	60	80.3				
50	43.3		10	64.4		70	80.6				
60	43.9		20	64.8		80	80.8				
70	44.6		30	65.2		90	81.1				
80	45.2		40	65.6		1300	81.3	178.34			
90	45.7		50	66.0		10	81.6				
400	46.3	115.3	60	66.5		20	81.8				
10	46.9		70	67.0		30	82.0				
20	47.5		80	67.4		40	82.2				
30	48.2		90	67.8		50	82.5				
40	48.8		900	68.2	154.76	60	82.7				

H-1 Dixie Valley NV.

GRADIENT HOLE NO.

6-7-78 48 hours AFTER 1ST Temp. Run.

DATE OF SURVEY

EPTH	°C	°F	DEPTH	°C	°F	DEPTH	°C	°F	DEPTH	°C	°F
0	37.3	99.14	60	67.7		20	80.4		80	93.5	
10	22.3		70	68.1		30	80.8		90	93.8	
20	27.7		80	68.5		40	81.1		1400	94.2	201.56
30	32.1		90	68.8		50	81.4		10	94.5	
40	34.7		500	69.2	156.5	60	81.6		20	94.8	
50	37.9		10	69.4		70	81.9		30	95.1	
60	41.8		20	69.8		80	82.1		40	95.4	
70	44.7		30	70.1		90	82.3		50	95.7	
80	46.1		40	70.4		1000	82.5	180.5	60	96.0	
90	47.4		50	70.7		10	82.7		70	96.4	
100	48.7	119.6	60	71.0		20	83.0		80	96.7	
10	50.2		70	71.3		30	83.3		90	97.0	
20	51.8		80	71.6		40	83.6		1500	97.3	207.14
30	53.4		90	71.9		50	83.9				
40	54.8		600	72.2	166.9	60	84.1		T.D. 1500'		
50	56.1		10	72.5		70	84.4				
60	57.1		20	72.8		80	84.6				
70	57.9		30	73.1		90	84.9				
80	58.7		40	73.3		1100	85.1	185.1			
90	59.2		50	73.5		10	85.3				
200	59.6	139.2	60	73.7		20	85.5				
10	59.8		70	73.9		30	85.9				
20	59.9		80	74.1		40	86.3				
30	60.1		90	74.4		50	86.6				
40	60.4		700	74.7	166.40	60	86.9				
50	60.7		10	75.0		70	87.2				
60	61.0		20	75.2		80	87.5				
70	61.3		30	75.4		90	87.8				
80	61.6		40	75.7		1200	88.1	190.5			
90	61.8		50	76.0		10	88.4				
300	62.1	143.7	60	76.2		20	88.6				
10	62.4		70	76.4		30	88.9				
20	62.7		80	76.7		40	89.2				
30	63.0		90	76.9		50	89.5				
40	63.3		800	77.2	170.96	60	89.8				
50	63.6		10	77.5		70	90.1				
60	63.9		20	77.8		80	90.4				
70	64.2		30	78.0		90	90.7				
80	64.5		40	78.2		1300	91.0	195.8			
90	64.8		50	78.5		10	91.4				
400	65.3	149.54	60	78.8		20	91.7				
10	65.8		70	79.0		30	92.0				
20	66.2		80	79.3		40	92.3				
30	66.6		90	79.5		50	92.6				
40	67.0		900	79.8	175.64	60	92.9				
50	67.7		10	80.1		70	93.2				

SHALLOW TEMPERATURE GRADIENT HOLE RECORD



S-8
GRADIENT HOLE NO.

DIXIE VALLEY
PROSPECT

Southland Royalty Company

Approx. 200'S ON Line NW cor. S 2 T 23 N. R 35 E
LOCATION SEC. TOWNSHIP RANGE

CHURCHILL NEVADA
COUNTY STATE

14 June 1978
SPUD DATE

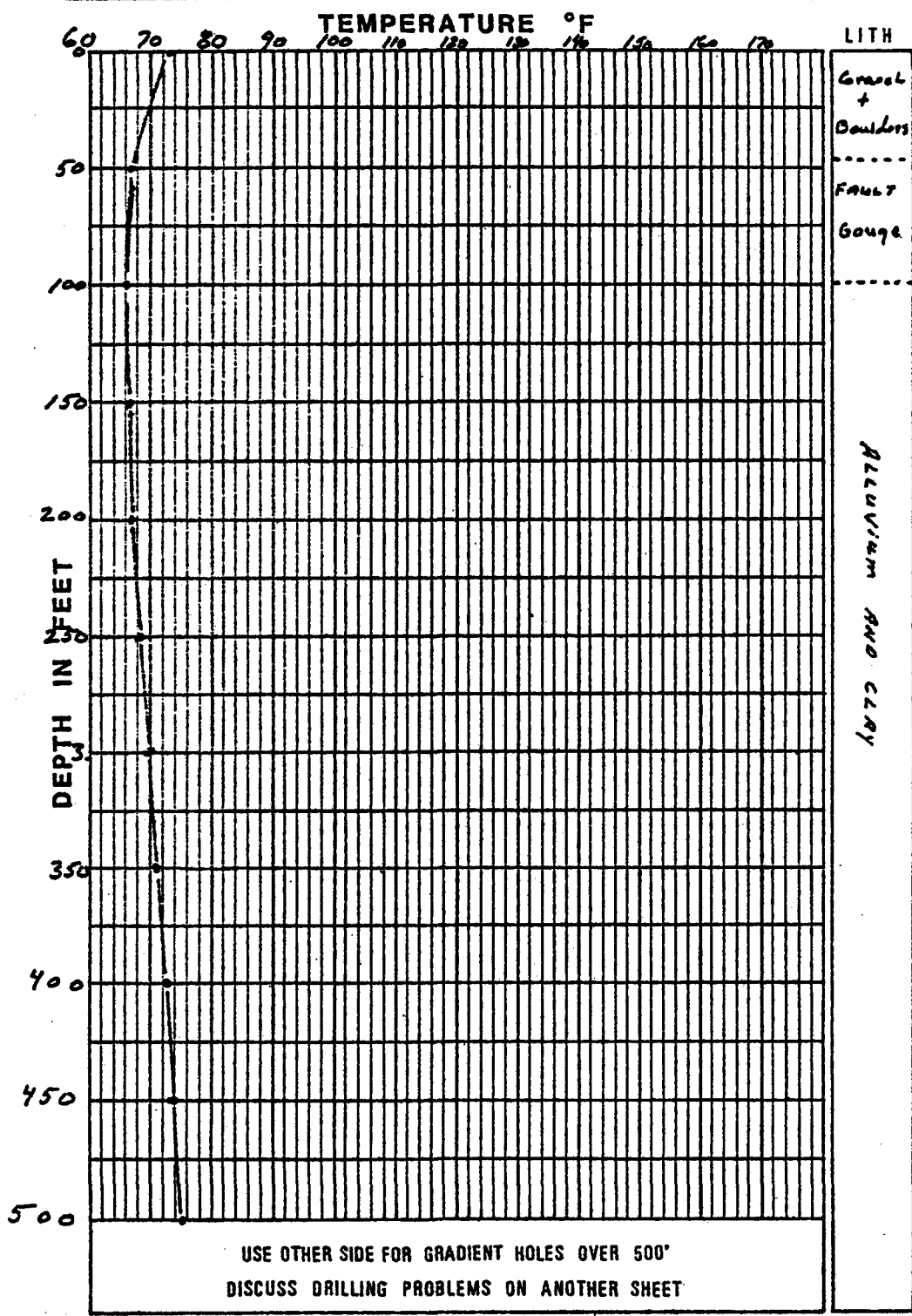
19 June 1978
COMPLETION DATE

75.0° AT 500 FT. 2.6° F/100'

500
TOTAL DEPTH

M. Tadey
GEOLOGIST OR PERSON READING TEMP.

Christiansen Drilling Ely, NEV.
COMPANY DRILLING HOLES



FOR HOLES 0-500'				
TEMP	°C	°F	°F	°F
DATE OF SURVEY	9-3-78	9-3-78		
TIME SINCE COMPLETION	75 days	75 days		
0	22.8	73.0		
20	22.1	71.7		
40	19.4	66.9		
60	18.9	66.0		
80	18.9	66.0		
100	18.9	66.0		
20	19.0	66.2		
40	19.1	66.3		
60	19.3	66.7		
80	19.4	66.9		
200	19.6	67.2		
20	19.8	67.6		
40	20.1	68.1		
60	20.4	68.7		
80	20.7	69.2		
300	21.0	69.8		
20	21.3	70.3		
40	21.6	70.8		
60	21.9	71.4		
80	22.3	72.1		
400	22.6	72.6		
20	22.9	73.2		
40	23.1	73.5		
60	23.3	73.9		
80	23.6	74.4		
500	23.9	75.0		

LOST CIRCULATION ZONES:
48-50'

WATER ENTRIES: None

Prep. by D.S. McEwen

