

DOWNHOLE TEMPERATURE FIELD SHEET

6.6°F/100' (394-492')
 6.8°F/100' (394-492')

HOLE ABANDONED 10-27-89
 Element No : SPAFFORD PROBE

Element Range : _____

Clock No : _____

Clock Range : _____

WELL : CL-1

SURVEY : TEMP

DATE : 10-12-89

SECOND SURVEY : 10-19-89

Well Status : COMPLETED 10-10-89

WHP : _____

Lip Pressure : _____

Weir Level : _____

Corresponding Pressure Survey : _____

Reason for Survey : _____

METERS DEFLECT \odot C \odot F

Time	Measured Depth meters	Vertical Depth	Deflection (.001")	Temperature (F)	Conditions and Remarks
1300	5	108.88	18.0255	64.4	0-30 YELLOW CLAY w/SOME SAND
	10	111.3	17.405	63.3	30-210 GRAY CLAY
	15	110.7	17.56	63.6	210-260 BASALT & CLAY
	20	107.9	18.285	64.4	260-500 YELLOW CLAY w/SOME SAND
	25	105.44	18.935	66.1	99.12 17.78 64.0
	30	103.38	19.485	67.1	96.71 18.45 65.2
	35	100.8	20.19	68.3	94.25 19.15 66.5
	40	97.55	21.095	70.0	91.11 20.065 68.1
	45	94.59	21.945	71.5	88.57 20.825 69.5
	50	90.86	23.055	73.5	85.76 21.69 71.0
	55	89.42	23.49	74.3	83.36 22.45 72.4
	60	87.6	24.05	75.3	81.27 23.13 73.6
	65	84.99	24.875	76.8	79.14 23.835 74.9
	70	84.62	24.99	77.0	77.29 24.40 76.0
	75	81.9	25.875	78.6	75.2 25.19 77.3
	80	80.63	26.3	79.34	73.33 25.855 78.5
	85	78.5	27.02	80.64	71.35 26.525 79.8
	90	77.59	27.35	81.23	69.09 27.195 81.0
	95	76.07	27.865	82.18	68.04 27.825 82.1
	100	74.3	28.495	83.29	66.45 28.45 83.2
	105	72.87	29.015	84.23	64.71 29.065 84.3
	110	71.60	29.485	85.07	63.04 29.65 85.4
	115	70.03	30.08	86.14	61.78 30.225 86.5
	120	68.50	30.67	87.21	60.58 30.87 87.6
	125	67.05	31.24	88.23	59.03 31.53 88.8
	130	65.81	31.74	89.13	57.57 32.07 89.7
	135	64.26	32.37	90.27	56.55 32.625 90.8
	140	62.92	32.93	91.27	55.26 33.225 92.0
SECOND SURVEY	145	61.4	33.58	92.44	53.78 33.765 93.0
10-19-89	+10' 50"	59.12	34.585	94.25	52.61 34.525 94.3
5	105.83	15.975	60.8		
10	105.67	16.02	60.8		
15	105.10	16.14	61.1		
20	101.36	17.03	62.7		

DOWNHOLE TEMPERATURE FIELD SHEET

MEASUREMENTS FROM

PVC 2' ABOVE G.L.

Element No : SPAFFORD PROBE
 Element Range : 19.9°F/100' (443-492')

Clock No : _____

Clock Range : _____

HOLE ABANDONED

Corresponding Pressure Survey : _____

WELL : CL-2

SURVEY : _____

DATE : 10-12-89

Well Status : COMPLETED 10-11-89

WHP : _____

Lip Pressure : _____

Weir Level : _____

Reason for Survey : _____

Time	Measured Depth meters	Vertical Depth	Deflection (.001")	Temperature C/F	Conditions and Remarks
1445	5		71.43	28.55	85.19
	10		70.29	29.98	85.96
	15		68.14	30.81	87.46
	20		66.01	31.65	88.98
	25		64.47	32.285	90.11
	30	57.44	63.06	32.865	91.16
	35	54.46	61.35	33.605	92.49
R/Y	40	50.03	55.74	36.145	97.06
	45	45.09	50.6	38.205	101.67
	50	40.74	45.28	41.65	106.97
	55	36.23	41.76	43.725	110.83
	60	32.40	38.09	46.245	115.24
	65	28.97	34.06	49.23	120.61
	70	26.47	32.27	50.68	123.22
	75	24.24	29.55	53.05	127.47
	80	22.02	27.11	55.39	131.7
	85	20.04	25.0	57.6	135.68
R/Y	90	18.12	22.73	60.22	140.4
	95	16.33	20.43	63.18	145.72
	100	14.79	18.48	66.15	151.07
	105	13.62	17.11	68.17	154.71
	110	12.50	15.67	70.68	159.22
	115	11.53	14.40	73.15	163.67
	120		13.40	75.21	167.38
	125		12.32	77.675	171.82
	130		11.72	79.15	174.47
	135		11.07	80.855	177.54
1530	140	460'	10.27	83.105	181.59
1535	145				
HOURS	1505	70000	90000	23.95	75.1
	10		8153	23.04	73.5
	5		7257	26.15	79.1
	0		6647	28.44	83.2
	25		6076	30.75	87.4

0-20 YELLOW CLAY
 20-100 GRAY CLAY
 100-110 SAND
 110-215 GRAY CLAY
 215-500 GRAY CLAY w/ SAND & SILT

DOWNHOLE TEMPERATURE FIELD SHEET

12.5°F/100' (130-190')

12.8

HOLE ABANDONED 10-27-89
 SECOND SURVEY

WELL : CL-3
 SURVEY : TEMP
 DATE : 10-16-89
 10-27-89
 Well Status : COMPLETED 10-12-89?
 WHP : _____
 Lip Pressure : _____
 Weir Level : _____

Element No : UNLV PROBE
 Element Range : _____
 Clock No : _____
 Clock Range : _____
 MEAS FROM
 2' ABOVE GL

Corresponding Pressure Survey : _____ Reason for Survey : _____

Time	Measured Depth	Vertical Depth	Deflection (.001")	Temperature (F)	Conditions and Remarks
0830	10	10	18.7	65.7	0-25' SAND W/SOME SILT & CLAY 25-50' CLAY-BLUE 50-200 SILT W/SOME SAND & CLAY
	20		19.7	67.5	
	30		20.1	68.2	
	40		20.4	68.7	
	50		21.0	69.8	
	60		22.7	72.9	
	70		23.7	74.7	
	80		24.8	76.6	
	90		25.5	77.9	
	100		26.5	79.7	
	110		27.1	80.8	
	120		27.9	82.2	
	130		28.7	83.7	
	140		29.5	85.1	
	150		30.1	86.2	
	160		30.9	87.6	
	170		31.5	88.7	
	180		32.2	90.0	
	190		32.9	91.2	
	198	207	33.4	92.1	
	Meters	92.62	19.62	67.3	SPAFFORD PROBE
	5	92.62	19.62	67.3	
	10	89.34	20.59	69.1	
	15	85.40	21.805	71.2	
	20	79.23	23.805	74.8	
	25	74.44	25.455	77.8	
	30	70.53	26.88	80.4	
	35	66.68	28.36	83.0	
	40	63.29	29.225	85.5	
	45	60.60	30.865	87.6	
	50	57.78	32.11	89.8	
	55	55.38	33.225	91.8	
	60	52.96	34.29	93.7	
	BOT	52.6	34.525	94.2	

DOWNHOLE TEMPERATURE FIELD SHEET

2010°F/100' (180-190')

16.3

WELL : CL-4

SURVEY : TEMP

DATE : 10-16-89

SECOND SURVEY 10-27-89

Element No : UNLV PROBE

Well Status : COMPLETED 10-13-89?

Element Range : _____ MEAS. FROM

WHP : ABANDONED 11-9-89

Clock No : _____ 2' ABOVE G.L.

Lip Pressure : _____

Clock Range : _____

Weir Level : _____

Corresponding Pressure Survey : _____

Reason for Survey : _____

Time	Measured Depth	Vertical Depth	Deflection (.001")	Temperature (F)	Conditions and Remarks
0756	10		19.0	66.2	0-10 SAND
	20		21.9	71.4	10-35 YELLOW CLAY
	30		24.7	76.5	35-90 GRAY CLAY
	40		26.9	80.4	90-130 SAND
	50		28.7	83.7	130-175 CLAY w/SOME SAND & SILT
	60		29.3	84.7	175-200 BASALT
	70		29.9	85.8	
	80		31.5	88.7	
	90		33.6	92.5	
	100		35.9	96.6	
	110		37.9	100.2	
	120		39.7	103.5	
	130		41.2	106.2	
	140		43.2	109.8	
	150		44.8	112.6	
	160		46.1	115.0	
	170		47.5	117.5	
	180		48.8	119.8	
	190		49.9	121.8	
196.0	200		50.4	122.7	
	meters	DEF	°C	°F	SPAFFORD
	5	88.39	20.88	69.6	
	10	77.96	24.23	75.6	
	15	67.37	28.085	82.6	
	20	62.75	29.95	85.9	
	25	56.37	32.955	91.0	
	30	49.36	36.225	97.2	
	35	43.41	38.59	103.3	
	40	38.75	42.435	108.4	
	45	34.65	45.525	113.9	
	50	31.66	47.915	118.2	
	55	29.11	50.16	122.3	
	60	27.53	52.655	125.0	

DOWNHOLE TEMPERATURE FIELD SHEET

9.9°F/100' (300-490')

HOLE ABANDONED 11-24-89

WELL : CL-5
 SURVEY : TEMP
 DATE : 10-19-89

Element No : VNLU PROBE

Well Status : COMPLETED 10-16-89?

Element Range : _____

WHP : _____

Clock No : _____

Lip Pressure : _____

Clock Range : _____

Weir Level : _____

Corresponding Pressure Survey : _____

Reason for Survey : _____

Time	Measured Depth	Vertical Depth	Deflection (.001")	Temperature (F)	Conditions and Remarks
0906	10'		16.2	61.2	0-30' BROWN CLAY w/SOME SAND & SILT
	20		14.8	58.6	30-500 BLACK CLAY
	30		14.7	58.5	OC OF
	40		15.5	59.9	350 30.6 87.1
	50		15.8	60.4	260 31.1 88.0
	60		16.5	61.7	370 31.8 89.2
	70		16.8	62.2	380 32.3 90.1
	80		17.5	63.5	390 32.8 91.0
	90		17.3	63.1	400 33.4 92.1
	100		18.1	64.6	410 33.8 92.8
	110		18.2	64.8	420 34.3 93.7
	120		18.4	65.1	430 34.9 94.8
	130		18.8	65.8	440 35.5 95.9
	140		19.1	66.4	450 36.1 97.0
	150		20.0	68.0	460 36.6 98.9
	160		20.5	68.9	470 37.1 98.8
	170		20.8	69.4	480 37.6 99.7
	180		21.4	70.5	490 38.2 100.8
	190		21.9	71.4	497 38.65 101.6
	200		22.2	72.0	
	210		23.0	73.4	
	220		23.5	74.3	
	230		24.3	75.7	
	240		24.7	76.5	
	250		25.4	77.7	
	260		26.0	78.8	
	270		26.5	79.7	
	280		26.9	80.4	
	290		27.4	81.3	
	300		27.8	82.0	
	310		28.4	83.1	
	320		29.0	84.2	
	330		29.5	85.1	
	340		30.0	86.0	

DOWNHOLE TEMPERATURE FIELD SHEET

~~14.1~~ ~~420-490~~ 13.0°F/100' (430-480)
 13.1 14.1°F/100' (420-490)
 HOLE ABANDONED 10-24-89

WELL : CL-6
 SURVEY : TEMP
 DATE : 10-24-89
 FIRST SURVEY 10-19-89
 Well Status : UNLV PROBE
 WHP : COMPLETED 10-10-89?
 Lip Pressure : _____
 Weir Level : _____
 Reason for Survey : SECOND SURVEY

Element No : SPAFFORD PROBE
 Element Range : _____
 Clock No : _____
 Clock Range : _____
 Corresponding Pressure Survey : _____

Time	Measured Depth Meters	Vertical Depth	Deflection (.001")	Temperature (F)	Conditions and Remarks		
					feet	OC	°F
	5	106.68	15.755	60.4	20	14.9	58.8
	10	103.79	15.47	59.8	40	15.7	60.6
	15	104.55	16.31	61.4	60	17.6	63.2
	20	99.93	17.61	63.5	80	18.6	65.5
	25	97.26	18.295	64.9	100	18.4	66.7
	30	94.33	19.125	66.4	120	20.3	68.5
	35	90.93	20.12	68.2	140	21.2	70.2
R-T	40	88.2	20.94	69.7	160	22.0	71.6
	45	84.82	22.02	71.6	180	23.1	73.6
	50	81.58	23.025	73.4	200	24.5	76.1
	55	77.97	24.23	75.6	220	25.6	78.1
	60	74.82	25.36	77.6	240	26.8	80.2
	65	72.01	26.335	79.4	260	28.2	82.8
	70	68.91	27.47	81.5	280	29.5	85.1
	75	66.12	28.58	83.4	300	30.8	87.4
	80	63.25	29.74	85.5	320	31.8	89.2
	85	60.79	30.78	87.4	340	33.4	92.1
R-T	90	58.41	31.825	89.3	360	34.6	94.3
	95	56.22	32.825	91.1	380	36.0	96.8
	100	53.87	33.94	93.1	400	37.3	99.1
	105	51.55	35.09	95.2	420	38.6	101.5
	110	49.57	36.115	97.0	440	40.2	104.4
	115	47.62	37.165	98.9	460	41.8	107.2
	120	45.54	38.335	101.0	480	43.2	109.8
-	125	43.66	39.44	103.0	500	44.1	111.4
-	130	41.75	40.61	105.1	520	44.8	112.0
	135	39.89	41.81	107.3			
	140	38.05	43.05	109.5			
-	145	36.56	44.105	111.4			
-	150	34.85	45.37	113.7			
496		33.78	46.2	115.2			

0-40 BROWN CLAY W/SOME SAND & SILT
 40-260 GRAY CLAY
 260-500 GREENISH GRAY CLAY

DOWNHOLE TEMPERATURE FIELD SHEET

11,90°F/100' (160-198')
 18,50°F/100' (170-190')

SPAFFORD PROBE

Element No : UNLV PROBE
 Element Range : _____
 Clock No : _____
 Clock Range : _____

HOLE ABANDONED

Corresponding Pressure Survey : _____

WELL : CL-7
 SURVEY : TEMP
 DATE : 10-19-89

SECOND SURVEY 11-9-89
 Well Status : COMPLETED 10-18-89

WHP : _____
 Lip Pressure : _____
 Weir Level : _____

Reason for Survey : _____

feet OC

Time	Measured Depth	Vertical Depth	Deflection (.001")	Temperature (F)	Conditions and Remarks
	10		19.3	66.7	0-20 BROWN SAND SILT & CLAY
	20		23.2	73.8	20-40 GRAY CLAY w/ SOME SAND & SILT
	30		25.2	77.4	40-190 BASALT
	40		24.0	75.2	190-200 CLAY
	50		24.1	75.4	
	60		24.2	75.6	
	70		24.5	76.1	
	80		24.7	76.8	
	90		24.7	76.5	
	100		24.9	76.8	
	110		25.5	77.9	
	120		25.0	77.0	
	130		24.5	76.1	
	140		24.2	75.6	
	150		24.1	75.4	40 77.68 24.33 75.8
	160		23.5	74.3	41 77.55 24.37 75.9
	170		23.8	74.8	42 77.49 24.395 75.9
	180		24.7	76.5	43 77.44 24.41 75.9
	190		25.7	78.6	44 77.26 24.47 76.0
	198		26.6	79.9	45 77.21 24.49 76.1
	<u>meters</u>				46 77.45 24.41 75.9
	5	100.36	17.435	63.4	47 78.00 24.22 75.6
	10	93.39	19.395	66.9	48 78.63 24.005 75.2
	15	89.12	20.66	69.7	49 79.00 23.88 75.0
	20	85.16	21.88	71.4	50 78.75 23.765 75.1
	25	81.29	23.12	73.6	51 78.11 24.18 75.25
	30	79.45	23.73	74.7	52 74.46 25.45 77.5
	35	78.46	24.06	75.3	60 69.57 27.24 71.5
	40	77.65	24.34	75.8	
	46	77.13	24.55	76.1	
	50	76.76	23.96	75.1	
	55	74.71	25.36	77.6	
	60	69.63	27.22	81.0	
	Bottom	55.84	27.52	81.5	

DOWNHOLE TEMPERATURE FIELD SHEET

4.9° of 100' (40-197')
 HOLE ABANDONED
 SPATFORD PROBE

WELL : CL-8
 SURVEY : TEMP
 DATE : 10-23-89

SECOND SURVEY 11-9-89

Element No : UNLV PROBE
 Element Range : _____ SURVEY
 Clock No : _____ FROM
 Clock Range : _____ 2' ABOVE
 _____ GL

Well Status : COMPLETED 10-19-89?
 WHP : _____
 Lip Pressure : _____
 Weir Level : _____

Corresponding Pressure Survey : _____

Reason for Survey : _____

Time	Measured Depth <i>feet</i>	Vertical Depth	Deflection (.001")	Temperature (F)	Conditions and Remarks
1348	10		18.8	65.8	0-20 SAND, SILT, GRAVEL & CLAY 20-80 SAND 80-200 BASALT
	20		18.6	65.5	
	30		19.3	66.7	
	40		18.2	64.8	
	50		18.5	65.3	
	60		18.7	65.7	
	70		19.0	66.2	
	80		19.4	66.9	
	90		19.9	67.8	
	100		19.8	67.6	
	110		20.1	68.2	
	120		20.5	68.9	
	130		21.0	69.8	
	140		21.4	70.5	
	150		21.8	71.2	
	160		22.1	71.8	
	170		22.3	72.1	
	180		22.5	72.5	
	190		22.5	72.5	
	197		22.3	72.1	50 81.63 23.01 73.4
	<i>meter</i>				51 81.34 23.105 73.6
	5	97.76	18.155	64.7	52 81.06 23.185 73.8
	10	98.43	17.97	64.3	53 80.78 23.29 73.9
	15	96.24	18.58	65.4	54 80.60 23.35 74.0
	20	93.89	19.25	66.7	55 80.51 23.38 74.1
	25	91.89	19.835	67.7	56 80.44 23.40 74.1
	26	91.40	19.98	68.0	57 80.40 23.415 74.1
	27	90.96	20.11	68.2	58 80.46 23.395 74.1
	28	90.40	20.275	68.5	59 80.53 23.37 74.1
	29	89.87	20.435	68.8	60 80.61 23.345 74.0
	30	89.09	20.47	68.7	61 80.67 23.325 74.0
	35	87.67	21.11	70.0	
	40	85.35	21.82	71.3	
	45	83.20	22.5	72.5	

OXBOW GEOTHERMAL

Supervised by : SWLD

PROBE SHEATHING - 1/2" ID x 1/4" THICK

DOWNHOLE TEMPERATURE FIELD SHEET

9.405/100 (120-197)
4.6

WELL : CL-9
SURVEY : TEMP
DATE : 10-23-89

Element No : ONLY PROBE
Element Range : _____
Clock No : _____
Clock Range : _____

SECOND SURVEY 10-23-89
Well Status : COMPLETED 10-20-89?
WHP : _____
Lip Pressure : _____
Weir Level : _____

Corresponding Pressure Survey : _____

Reason for Survey : _____

Time	Measured Depth	Vertical Depth	Deflection (.001")	Temperature (F)	Conditions and Remarks
METERS	10		19.4	66.9	0-50 BROWN CLAY 50-200 GRAY CLAY
	20		17.3	63.1	
	30		15.0	59.0	
	40		14.4	58.9	
	50		13.8	56.8	
	60		13.8	56.8	
	70		13.9	57.0	
	80		14.2	57.6	
	90		14.4	57.9	
	100		14.5	58.1	
	110		14.5	58.1	
	120	-	15.0	59.0	
	130	-	15.2	59.4	
	140	-	15.5	59.9	
	150	-	15.7	60.3	
	160	-	15.9	60.6	
	170	-	16.1	61.0	
	180	-	16.4	61.5	
	190	-	16.7	62.1	
	197	-	16.9	62.4	
	METERS	RES			SPAFFORD
16.4'	5	95.63	18.755	65.8	
32.8'	10	108.65	15.25	59.5	
49.2'	15	110.65	14.75	58.5	
65.6'	20	110.01	14.90	58.8	
82.0'	25	108.16	15.37	59.7	
98.4'	30	107.12	15.64	60.2	
114.8'	35	106.89	15.70	60.3	
131.2'	40	104.08	16.435	61.6	
147.6'	45	102.84	16.77	62.2	
164'	50	101.19	17.21	63.0	
180.4'	55	99.51	17.65	63.8	
196.8'	60	97.97	18.095	64.6	
197'	BOTTOM	97.67	18.46	65.2	

DOWNHOLE TEMPERATURE FIELD SHEET

61°F/100' (164-197')

6.7 50-60m
HOLE ABANDONED 10-27-89

Element No : SPAFFORD PROBE

Element Range : _____

Clock No : _____

Clock Range : _____

Corresponding Pressure Survey : meters deflected 0C OF

meters

WELL : CL-10

SURVEY : TEMP

DATE : 10-24-89

SECOND SURVEY 10-27-89
Well Status : COMPLETED 10-27-89

VHP : _____

Lip Pressure : _____

Weir Level : _____

Reason for Survey : _____

Time	Measured Depth	Vertical Depth	Deflection (.001")	Temperature (F)	Conditions and Remarks
R	5	102.36	16.895	62.4	0-40 BROWN CLAY & SAND
YELLOW	10	106.96	15.68	60.2	40-90 GRAY CLAY
R	15	103.01	16.92	62.1	90-100 SAND
Y	20	102.89	16.95	62.2	100-160 SAND & CLAY
R	25	103.66	16.55	61.8	160-200 GRAY CLAY
Y	30	100.05	17.52	63.5	
R	35	100.58	17.37	63.3	
RY	40	99.91	17.56	63.6	
R	45	98.97	17.82	64.1	
Y	50	97.20	18.31	65.0	
R	55	95.08	18.91	66.0	
Y	60	93.15	19.465	67.0	
	<u>meters</u>				
	5	103.87	16.485	61.7	
	10	109.29	15.05	59.1	
	15	106.53	15.795	60.4	
	20	105.77	15.99	60.8	
	25	105.27	16.12	61.0	
	30	102.38	16.89	62.4	
	35	101.74	17.06	62.7	
	40	100.46	17.41	63.3	
	45	99.16	17.765	64.0	
	50	98.24	18.70	64.9	
	55	95.05	18.92	66.1	
	60	93.04	19.50	67.1	

DOWNHOLE TEMPERATURE FIELD SHEET

9.0 °F/100' (180-230')

9.3

SPAFFORD PROBE
HOLE ABANDONED

WELL : CL-11

SURVEY : TEMP

DATE : 10-24-89

SECOND SURVEY 10-23-89

Element No : _____

Well Status : COMPLETED 10-23-89?

Element Range : _____

WHP : _____

Clock No : _____

Lip Pressure : _____

Clock Range : _____

Weir Level : _____

Corresponding Pressure Survey : _____ meters °C °F

Reason for Survey : _____

Time	Measured Depth	Vertical Depth	Deflection (.001")	Temperature (F)	Conditions and Remarks
	5	81.19	23.155	73.7	0-20 BROWN SAND W/SOME SILT & CLAY 20-155 GRAY SAND SILT & CLAY 155-240 BASALT
	10	80.42	23.41	74.1	
	15	79.0	27.08	80.7	
	20	71.88	26.38	79.5	
	25	69.58	27.24	81.0	
	30	69.14	27.405	81.3	
	35	66.38	28.475	83.3	
	40	63.38	29.69	85.4	
	45	60.83	30.765	87.4	
	50	57.72	32.14	89.7	
	55	55.58	33.125	91.6	
	60	53.90	33.925	93.1	
	65	52.17	34.78	94.6	
	70	50.51	35.625	96.1	
	BOT	48.68	36.59	97.9	
	meters				
	5	92.82	19.56	62.2	
	10	89.40	20.575	69.0	
	15	80.62	23.34	74.0	
	20	78.31	24.115	75.4	
	25	73.9	25.65	78.2	
	30	70.87	26.755	80.2	
	35	66.37	28.48	83.3	
	40	62.0	30.265	86.5	
	45	58.71	31.695	89.1	
	50	55.61	33.11	91.6	
	55	53.62	34.065	93.3	
	60	52.05	34.89	94.7	
	65	50.21	35.78	96.4	
	70	48.67	36.595	97.9	
	BOT	47.70	37.12	98.8	

DOWNHOLE TEMPERATURE FIELD SHEET

WELL : CL-12
 SURVEY : TEMP
 DATE : 3-13-90

Element No : UNCLV PROBE
 Element Range : _____
 Clock No : _____
 Clock Range : _____

Well Status : _____
 WHP : _____
 Lip Pressure : _____
 Weir Level : _____

Corresponding Pressure Survey : _____ Reason for Survey : _____
FEET DEG C DEG F FEET DEG C DEG F

Time	Measured Depth	Vertical Depth	Deflection (.001")	Temperature (F)	Temperature (C)	Conditions and Remarks
100	25.8	78.44	460	58.6	137.48	
120	25.8	78.44	470	59.7	139.46	
140	26.3	79.34	480	60.8	141.44	
150	27.6	81.68	489	61.6	142.88	
160	29.5	85.10				
170	30.9	87.62	480	61.6		0-40 GRAVEL SAND & SILT
180	32.1	89.78	480			40-150 DK GRAY BASALT
190	33.1	91.58				150-160 RED ALTERED BASALT
200	33.7	92.66				160-200 DK GRAY BASALT
210	34.4	93.92	20	20.9 68.62		200-210 GRAVEL
220	35.0	95.00	40	24.1 75.38		210-240 SAND & SILT W/SOME CLAY
230	35.7	96.26	60	25.4 77.72		240-360 CLAY W/SOME SILT
240	36.5	97.70	80	25.3 77.54		360-410 CLAY W/SOME SILTSTONE
250	37.2	98.96	100	25.2 77.36		410-500 CLAY
260	38.0	100.40	120	25.2 77.36		
270	38.9	102.02	140	25.7 78.26		
280	39.7	103.46	160	28.8 83.84		
290	40.6	105.08	180	31.5 88.70		
300	41.6	106.88	200	33.3 91.94		
310	42.6	108.68	220	34.7 94.46		
320	43.6	110.48	240	36.2 97.16		
330	44.7	112.46	260	37.9 100.22		
340	45.7	114.26	280	39.6 103.28		
350	46.7	116.06	300	41.5 106.7		
360	47.8	118.04	320	43.6 110.48		
370	48.8	119.84	340	45.7 114.26		
380	49.9	121.82	360	47.9	118.22	
390	51.0	123.80	380	50.1	122.18	
400	52.0	125.60	400	52.1	125.78	
410	53.1	127.58	420	54.3	129.74	
420	54.2	129.56	440	56.5	133.70	
430	55.3	131.54	460	58.8	137.84	
440	56.4	133.52	480	61.0	141.80	
450	57.5	135.50	500 490	62.0	143.60	

GRAVEL & CLAY

19.8°F/100'

DOWNHOLE TEMPERATURE FIELD SHEET

WELL : C1-13
 SURVEY : TEMP
 DATE : 3-8-90
3-17-90

9.5° F/100' (50-90')
 9.9° F/100' (50-90')

Element No : _____
 Element Range : _____
 Clock No : _____
 Clock Range : _____

Well Status : _____
 WHP : _____
 Lip Pressure : _____
 Weir Level : _____

Corresponding Pressure Survey : _____
DEG C DEG F

Reason for Survey : _____

Time FEET	Measured Depth	Vertical Depth	Deflection (.001")	Temperature (F)	Conditions and Remarks
10	13.3	55.94			0-20 GRAVEL SAND & SILT 20-90 BASALT
20	17.2	62.96			
30	17.9	64.22			
40	18.6	65.48			
50	19.6	67.28			
60	20.1	68.18			
70	20.6	69.08			
80	21.1	69.98			
90	21.7	71.06			
10	13.0	55.4			
20	17.1	62.78			
30	18.1	64.58			
40	18.8	65.84			
50	19.6	67.28			
60	20.2	68.36			
70	20.7	69.26	9.6°/100'		
80	21.2	70.16			
90	21.8	71.24			