

25 07 80
PROJECT: MCCOY, NV

PROJ WELL DA MO YR WELL TITLE EDITOR DRL DATE LP LI ISZ IST
864 147 5 4 80 2.4 KM SE HOLE IN WALL WELL 2 CT/ DP 28 11 79 0 0 1 1

YCM XCM N.LAT W.LONG ELEV
22.2000 30.0000 39.8755 117.5308 1389.9

J SEG START SEG END CONDTVY & STD DEV.
1 10.000 50.000 0.000 0.000
2 50.000 90.000 0.000 0.000
3 90.000 120.000 6.000 0.500

PRECEDING CONDUCTIVITY USED TO COMPUTE OTHERS

*** PREVIOUS SEGMENT USED TO EXTRAPOLATE TO DEPTH ***

PROJ	WELL	DA	MO	YR	DEPTH (M)	DEG C	DEG C/KM	SAMPLE NO.
864	147	5	4	80	10.000	19.130	99999.000	1
					20.000	21.760	263.000	2
					30.000	24.490	273.000	3
					40.000	26.960	247.000	4
					50.000	29.910	295.000	5
					60.000	33.600	369.000	6
					70.000	36.730	313.000	7
					80.000	40.510	378.000	8
					90.000	44.170	366.000	9
					100.000	46.980	281.000	10
864	147	5	4	80	110.000	49.580	260.000	11
					120.000	51.130	155.000	12
					125.000	51.930	159.999	13

SURFACE INTERCEPT FOR SEGMI 1 = 16.422

SEG	ZSTART	TSTART	ZEND	TEND	COND	& DCON	GRADIENT	& S.D.	HFU	& DHF	T AT 100M	KM
1	10.000	19.130	50.000	29.910	5.391	0.000	267.600	20.211	14.426	5.230	43.290	0.586

SEG	ZSTART	TSTART	ZEND	TEND	COND	& DCON	GRADIENT	& S.D.	HFU	& DHF	T AT 100M	KM
2	50.000	29.910	90.000	44.170	4.072	0.000	354.299	29.554	14.426	5.230	47.713	0.530

SEG	ZSTART	TSTART	ZEND	TEND	COND	& DCON	GRADIENT	& S.D.	HFU	& DHF	T AT 100M	KM
3	90.000	44.170	120.000	51.130	6.000	0.500	234.800	67.592	14.426	5.230	46.980	0.754

PRECEDING SEGMENT USED FOR EXTRAPOLATION

25 07 80

PROJECT: MCCOY, NV

PROJ	WELL	DA	MO	YR	WELL TITLE	EDITOR	ORL DATE	LP	LI	ISZ	IST
864	147	5	4	80	2.4 KM SE HOLE IN WALL WELL 2	CT/ DP	28 11 79	0	0	1	1

YCM	XCM	N.LAT	W.LONG	ELEV
22.2000	30.0000	39.8755	117.5308	1389.9

J	SEG START	SEG END	CONDTVY & STD DEV.	
1	10.000	50.000	0.000	0.000
2	50.000	90.000	0.000	0.000
3	90.000	120.000	6.000	0.500

PRECEDING CONDUCTIVITY USED TO COMPUTE OTHERS

*** PREVIOUS SEGMENT USED TO EXTRAPOLATE TO DEPTH ***

PROJ	WELL	DA	MO	YR	DEPTH (M)	DEG C	DEG C/KM	SAMPLE NO.
864	147	5	4	80	10.000	19.130	99999.000	1
					20.000	21.760	263.000	2
					30.000	24.490	273.000	3
					40.000	26.960	247.000	4
					50.000	29.910	295.000	5
					60.000	33.600	369.000	6
					70.000	36.730	313.000	7
					80.000	40.510	378.000	8
					90.000	44.170	366.000	9
					100.000	46.980	281.000	10
864	147	5	4	80	110.000	49.580	260.000	11
					120.000	51.130	155.000	12
					125.000	51.930	159.999	13

SURFACE INTERCEPT FOR SEGMT 1 = 16.422

SEG	ZSTART	TSTART	ZEND	TEND	COND	& DCON	GRADIENT	& S.D.	HFU	&	DHF	T AT 100M	KM
1	10.000	19.130	50.000	29.910	5.391	0.000	267.600	20.211	14.426		5.230	43.290	0.586

SEG	ZSTART	TSTART	ZEND	TEND	COND	& DCON	GRADIENT	& S.D.	HFU	&	DHF	T AT 100M	KM
2	50.000	29.910	90.000	44.170	4.072	0.000	354.299	29.554	14.426		5.230	47.713	0.530

SEG	ZSTART	TSTART	ZEND	TEND	COND	& DCON	GRADIENT	& S.D.	HFU	&	DHF	T AT 100M	KM
3	90.000	44.170	120.000	51.130	6.000	0.500	234.800	67.592	14.426		5.230	46.980	0.754

PRECEDING SEGMENT USED FOR EXTRAPOLATION

25 07 80
PROJECT: MCCOY, NV

PROJ WELL DA MO YR WELL TITLE EDITOR DRL DATE LP LI ISZ IST
864 147 5 4 80 2.4 KM SE HOLE IN WALL WELL 2 CT/ DP 28 11 79 0 0 1 1

YCM XCM N.LAT W.LONG ELEV
22.2000 30.0000 39.8755 117.5308 1389.9

J SEG START SEG END CONDTVY & STD DEV.
1 10.000 50.000 0.000 0.000
2 50.000 90.000 0.000 0.000
3 90.000 120.000 6.000 0.500

PRECEDING CONDUCTIVITY USED TO COMPUTE OTHERS

*** PREVIOUS SEGMENT USED TO EXTRAPOLATE TO DEPTH ***

PROJ	WELL	DA	MO	YR	DEPTH (M)	DEG C	DEG C/KM	SAMPLE NO.
864	147	5	4	80	10.000	19.130	99999.000	1
					20.000	21.760	263.000	2
					30.000	24.490	273.000	3
					40.000	26.960	247.000	4
					50.000	29.910	295.000	5
					60.000	33.600	369.000	6
					70.000	36.730	313.000	7
					80.000	40.510	378.000	8
					90.000	44.170	366.000	9
					100.000	46.980	281.000	10
864	147	5	4	80	110.000	49.580	260.000	11
					120.000	51.130	155.000	12
					125.000	51.930	159.999	13

SURFACE INTERCEPT FOR SEGMENT 1 = 16.422

SEG	ZSTART	TSTART	ZEND	TEND	COND	& DCON	GRADIENT	& S.D.	HFU	&	DHF	T AT 100M	KM
1	10.000	19.130	50.000	29.910	5.391	0.000	267.600	20.211	14.426		5.230	43.290	0.586

SEG	ZSTART	TSTART	ZEND	TEND	COND	& DCON	GRADIENT	& S.D.	HFU	&	DHF	T AT 100M	KM
2	50.000	29.910	90.000	44.170	4.072	0.000	354.299	29.554	14.426		5.230	47.713	0.530

SEG	ZSTART	TSTART	ZEND	TEND	COND	& DCON	GRADIENT	& S.D.	HFU	&	DHF	T AT 100M	KM
3	90.000	44.170	120.000	51.130	6.000	0.500	234.800	67.592	14.426		5.230	46.980	0.754

PRECEDING SEGMENT USED FOR EXTRAPOLATION

MCCOY, NV

2.4 KM SE. HOLE IN WALL WELL 2

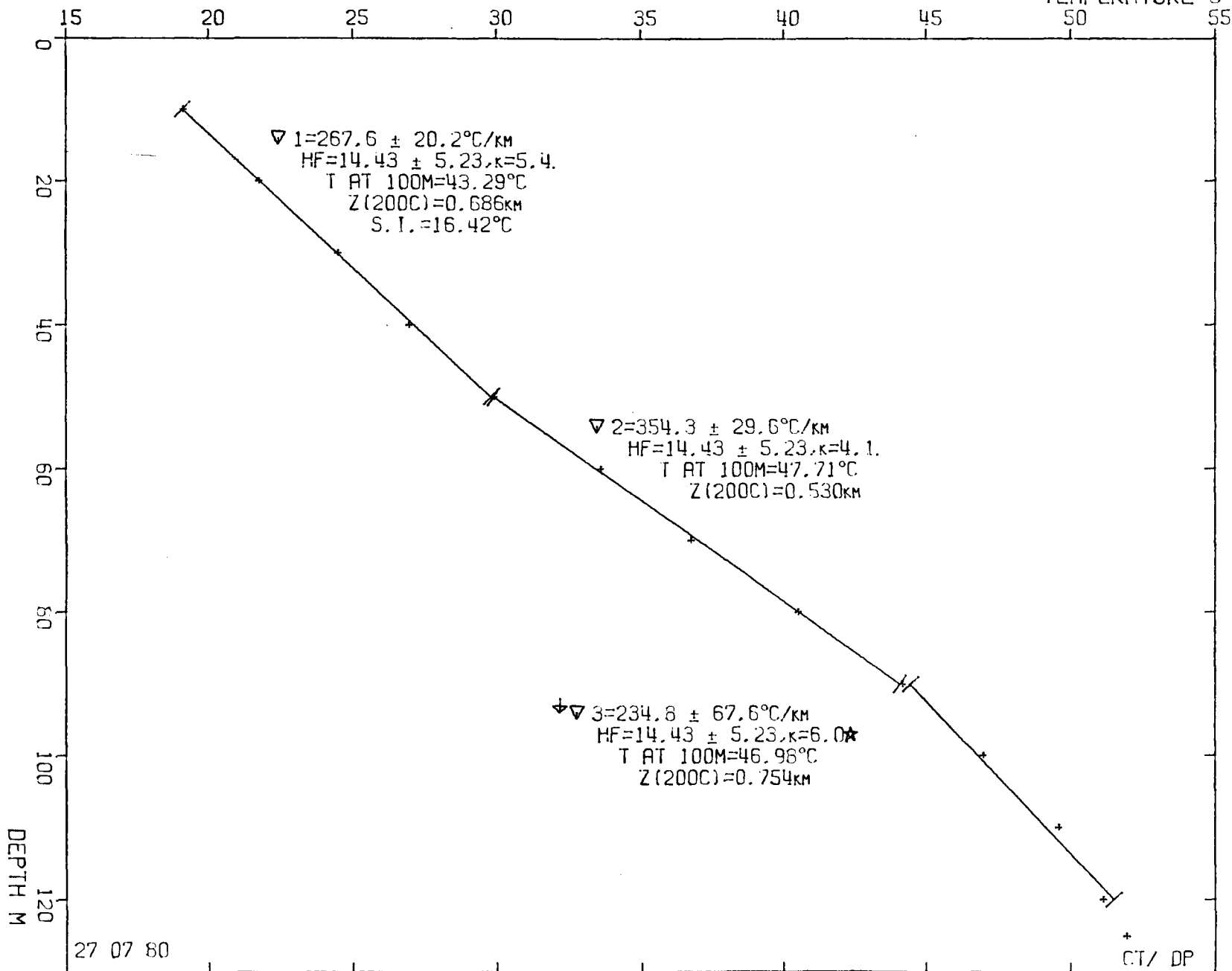
N. LAT 39.875; W. LONG .117.531

PROJ. 864

WELL 147

5 4 80

TEMPERATURE °C



MCCOY, NV

2.4 KM SE. HOLE IN WALL WELL 2

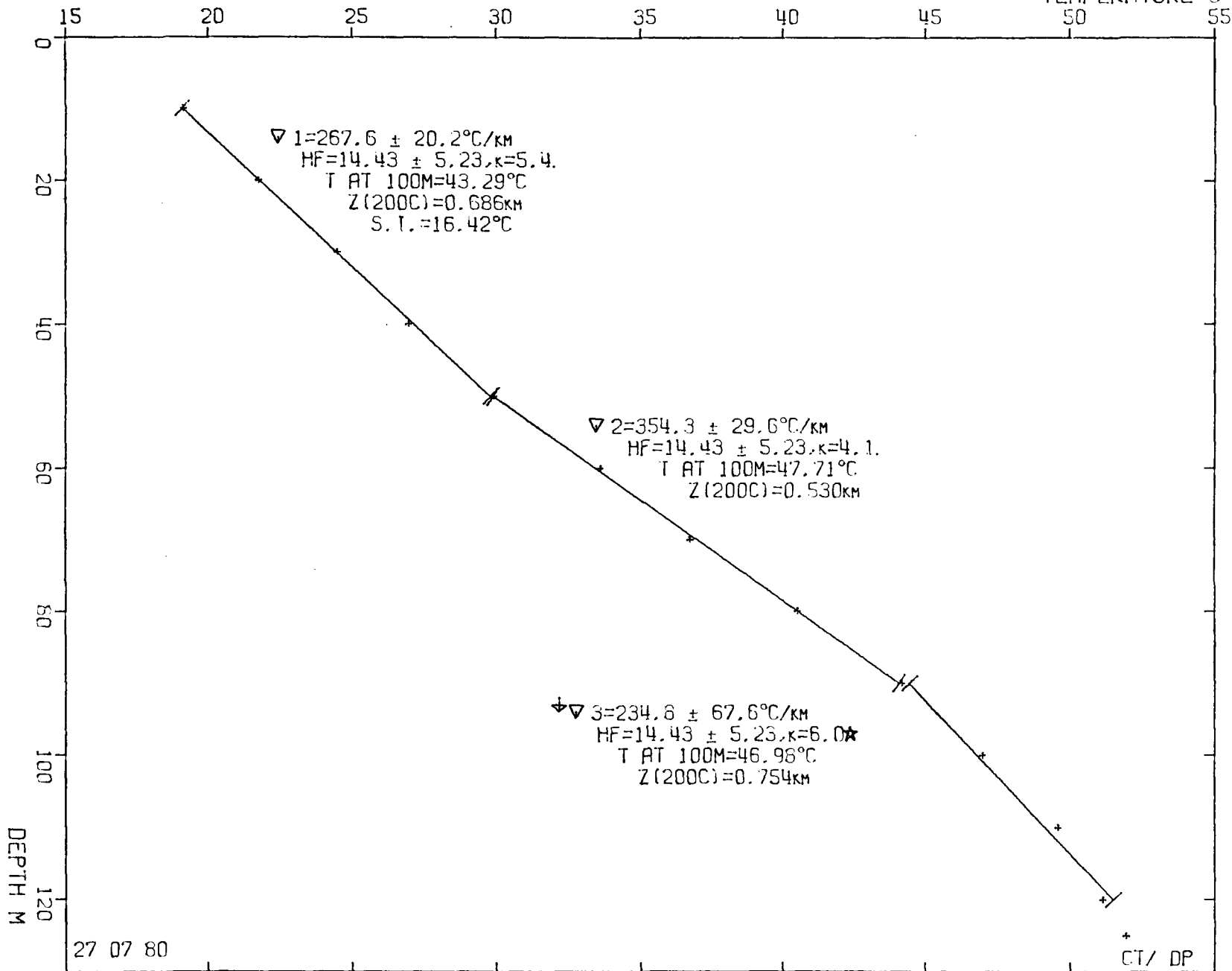
N. LAT 39.875; W. LONG .117.531

PROJ. 864

WELL 147

5 4 80

TEMPERATURE °C



MCCOY, NV

2.4 KM SE HOLE IN WALL WELL 2

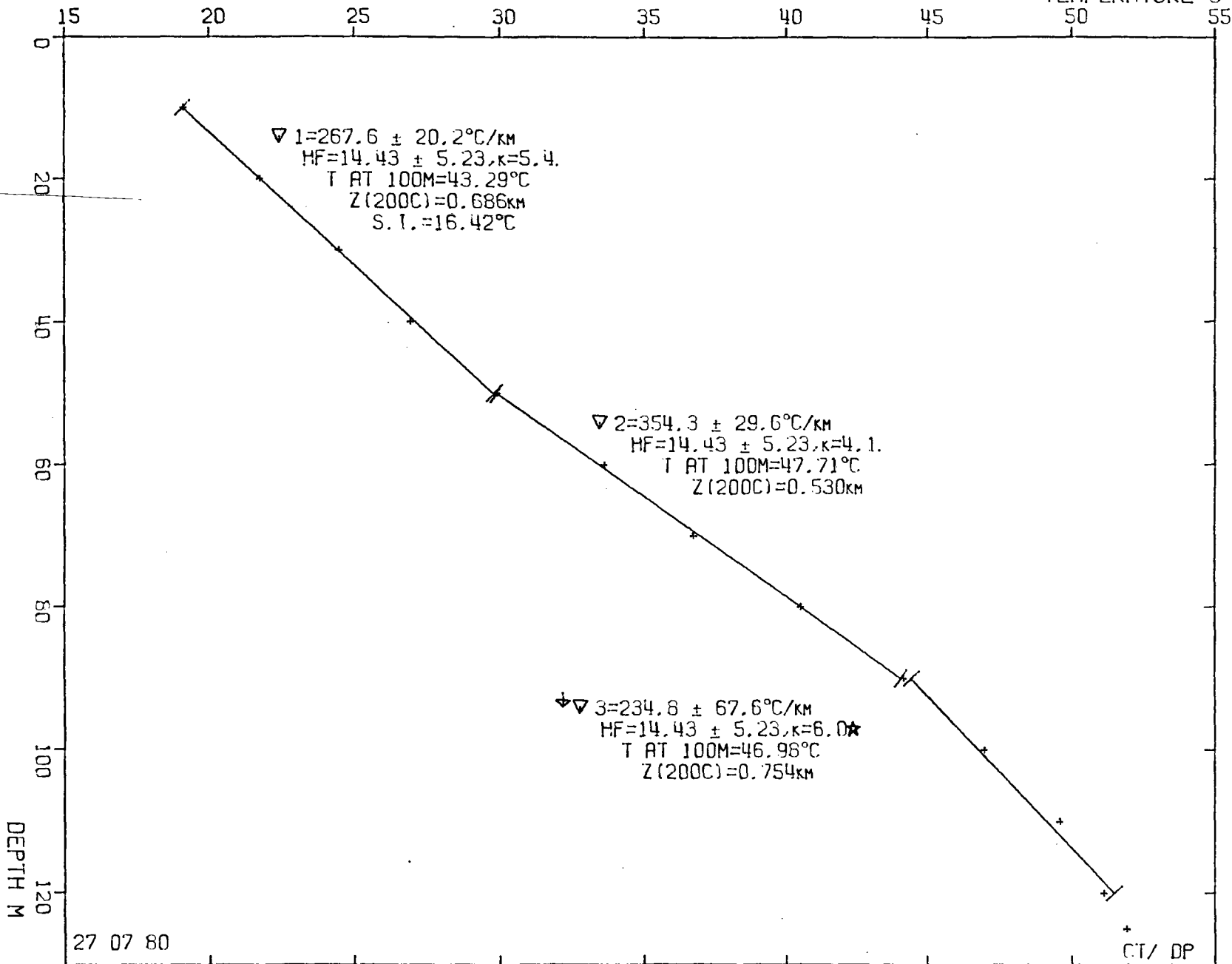
N.LAT 39.875, W.LONG .117.531

PROJ. 864

WELL 147

5 4 80

TEMPERATURE °C



Date Logged: 30/6/80 ΔT Well No. 14-7

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H ₂ O Air	Lithology, etc.
25	86.11	25.67					
30	82.10	26.98					
35	77.48	28.56					
40	73.00	30.18					
45	68.94	31.73					
50	64.94	33.34					
55	61.10	34.98					
60	57.44	36.64					
65	53.83	38.38					
70	50.51	40.09					
75	47.20	41.90					
80	43.98	43.80					
85	41.51	45.36					
90	39.28	46.84					
95	37.28	48.25					
100	35.40	49.65					
5	33.65	51.02					
10	32.15	52.26					
15	30.76	53.47					
20	29.52	54.59					
25	28.33	55.72					
30	27.72	56.31					
35	26.86	57.18					
40	26.23	57.83					
45	25.76	58.33					
50	25.43	58.69					
55	25.16	58.98					

K=Conductivity

Date Logged: _____

ΔT Well No. _____

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H ₂ O Air	Lithology, etc.
60	24.92	59.24					
65	24.85	59.32					
70	24.88	59.29					
75	24.78	59.40					
80	24.42	59.81					
85	24.21	60.04					
90	24.06	60.22					
95	24.00	60.29					
200	23.96	60.33					
5	23.96	60.33					
10	23.96	60.33					
15	24.03	60.25					
20	24.09	60.18					
25	24.12	60.15					
30	24.15	60.11					
35	24.19	60.07					
40	24.25	60.00					
45	24.34	59.90					
50	24.42	59.80					
55	24.48	59.74					
60	24.53	59.68					
65	24.58	59.62					
70	24.62	59.58					
75	24.69	59.50					
80	24.78	59.40					
85	24.92	59.24					
90	24.99	59.17					

K=Conductivity

AMAX EXPLORATION, INC.
TEMPERATURE/DEPTH LOG

ΔT Well No. 14-7

Property-Project Mc Coy Depth Logged 590 m

Map Shoshone Meadows Scale 15' Date: Drilled 25/5/80 Logged 30/6/80

State Nevada County Churchill, of of SW of NW of Sec 7 T R

Instrument Corners Probe Operator CT & DP Elevation 4560 (ft m)

Comments Thermister 167

RT JUSTIFY

Date Logged

Proj No	Well No	DA	MO	YR
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20				
864	14-730	6	80	C M *

*19-Write F if Fahrenheit, 20-Write F if Feet

Card A

Site Description	Operator	Editor	DA	MO	YR
21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50					
2 Km SE Hdle in wall well #2	CT	DP	25	5	80

(Approx. location, water well?, oil test?, etc.)

Card B

Scale Unit IN CM Map Size (7.5, 15, 60) 15. Degree 39. Min 45.0 Degree 117. Min 45.0

Map Location * * N Lat W Long

Use decimals

Use decimals

Measure from SW corner of map; except AMS sheets measure from bottom center degree mark (W,-)(E,+)

Northing	Easting	Elev
51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80		
22.3	29.9	4560. F

Write M if meters

Segment 1 = Depths

Start	End	Conductivity K	ΔK
21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50			

Best cond. (-K)
Downward extrapolations (-ΔK)

Segment 2

Start	End	K	ΔK
51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80			

Segment 3

Segment 4

Segment 5

Segment 6

Segment 7

Segment 8

Segment 9

Segment 10

After final segment Start = .999

Date Logged: 30/6/80 ΔT Well No. 14-7

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H ₂ O Air	Lithology, etc.
25	8981.5	25.3					
30	8507.6	26.8					
35	7982.0	28.7					
40	7482.5	30.5					
45	6993.8	32.2					
50	6531.6	34.5					
55	6084.2	35.9					
60	5350.0	39.6					
65	5315.0	39.8					
70	4988.0	41.5					
75	4670.0	43.6					
80	4430.0	44.8					
85	4205.0	46.2					
90	4010.0	47.8					
95	3822.0	48.8					
100	3645.0	50.5					
5	3490.0	51.7					
10	3322.0	52.9					
15	3185.0	54.5					
20	3084.0	55.0					
25	3003.0	55.9					
30	2923.0	56.7					
35	2854.0	57.5					
40	2809.0	58.0					
45	2777.0	58.3					
50	2749.0	58.8					
55	2728.0						

K=Conductivity

page 1 of 3

Date Logged: _____

ΔT Well No. 14-7

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H ₂ O Air	Lithology, etc.
160	2720.0						
65	2723.0						
70	2723.0						
75	2681.0	59.8					
80	2662.0						
85	2649.0						
90	2642.0						
95	2636.0						
200	2636.0	60.1					
05	2641.0						
10	2646.0						
15	2653.0						
20	2657.0						
25	2660.0	59.9					
30	2660.0						
35	2671.0						
40	2676.0						
45	2684.0						
50	2694.0	59.7					
55	2699.0						
60	2709.0						
65	2716.0						
70	2721.0						
75	2730.0	59.0					
80	2745.0						
85	2751.0						
90	2749.0						

K=Conductivity

Date Logged: _____

ΔT Well No. 14-7

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H ₂ O Air	Lithology, etc.
295	2750.0						
300	2750.0	58.8					
325	2781.0	58.4					
350	2795.0	58.1					
375	2799.0	58.0					
400	2805.0	57.9					
425	2803.0	58.0					
450	2793.0	58.1					
475	2772.0	58.5					
* 500	2682.0	59.2					* Probe battery low - need charging - readings unstable
525	2706.0	59.2					
570	2198.0	65.9					
590	1715.0	73.5					

K=Conductivity

ΔT Well No. 14-7

Property-Project McCoy Depth Logged 340m
 Map Shoshone Meadows Scale 15' Date: Drilled _____ Logged 30/6/80
 State Nevada County Churchill of _____ of SW of NW of Sec 7 T _____ R _____
 Instrument #30 Operator CT & DP Elevation _____ (ft/m)
 Comments Probe to end of cable

RT JUSTIFY

Date Logged

Proj No	Well No	DA	MO	YR	*
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20					
864	14-7	30	6	80	C M

*19-Write F if Fahrenheit, 20-Write F if Feet

Site Description

Operator	Editor	DA	MO	YR
21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68				
2 km SE Hole in wall well #2	CT	DP		

(Approx. location, water well?, oil test?, etc.)

Map Location * *

Scale Unit IN CM Map Size (7.5, 15, 60) Degree Min Degree Min **

21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50				
15.0	39.45	117.45		

Use decimals

Northering Easting Elev

51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80			
22.3	29.9		F

Use decimals

Write M if meters

Measure from SW corner of map; except AMS sheets measure from bottom center degree mark (W,-)(E,+)

Segment 1 = Depths

Start	End	Conductivity K	ΔK
21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50			

Best cond. (-K)
Downward extrapolations (-ΔK)

Segment 2

Start	End	K	ΔK
51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80			

Segment 3

Segment 4

Segment 5

Segment 6

Segment 7

Segment 8

Segment 9

Segment 10

After final segment Start = .999

Date Logged: 30/6/80 ΔT Well No. 14-7

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H ₂ O Air	Lithology, etc.
25	86.11	25.67					
30	82.10	26.98					
35	77.48	28.56					
40	73.00	30.18					
45	68.94	31.73					
50	64.94	33.34					
55	61.10	34.98					
60	57.44	36.64					
65	53.83	38.38					
70	50.51	40.09					
75	47.20	41.90					
80	43.98	43.80					
85	41.51	45.36					
90	39.28	46.84					
95	37.28	48.25					
100	35.40	49.65					
5	33.65	51.02					
-10	32.15	52.26					
15	30.76	53.47					
20	29.52	54.59					
25	28.33	55.72					
30	27.72	56.31					
35	26.86	57.18					
40	26.23	57.83					
45	25.76	58.33					
50	25.43	58.69					
55	25.16	58.98					

K=Conductivity

Date Logged: _____

 ΔT Well No. _____

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H ₂ O Air	Lithology, etc.
60	24.92	59.24					
65	24.85	59.32					
70	24.88	59.29					
75	24.78	59.40					
80	24.42	59.81					
85	24.21	60.04					
90	24.06	60.22					
95	24.00	60.29					
200	23.96	60.33					
5	23.96	60.33					
10	23.96	60.33					
15	24.03	60.25					
20	24.09	60.18					
25	24.12	60.15					
30	24.15	60.11					
35	24.19	60.07					
40	24.25	60.00					
45	24.34	59.90					
50	24.42	59.80					
55	24.48	59.74					
60	24.53	59.68					
65	24.58	59.62					
70	24.62	59.58					
75	24.69	59.50					
80	24.78	59.40					
85	24.92	59.24					
90	24.99	59.17					

K=Conductivity

Date Logged: _____

ΔT Well No. 14-7

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H ₂ O Air	Lithology, etc.
95	24.98	59.18					
300	24.97	59.19					
5	24.96	59.20					
10	24.95	59.21					
15	24.93	59.23					
20	24.94	59.22					
25	25.03	59.12					
30	25.19	58.94					
35	25.33	58.80					
340	25.41	58.71					

K=Conductivity

AMAX EXPLORATION, INC.

TEMPERATURE/DEPTH LOG

AT Well No. 14-7

Property-Project McCoy Depth Logged 590m

Map Shoshone Meadows Scale 15' Date: Drilled 25/5/80 Logged 30/6/80

State Nevada County Churchill, of of SW of NW of Sec 7 T R

Instrument Corners Probe Operator CT & DP Elevation 4560 (ft m)

Comments Thermister 167

RT JUSTIFY

Date Logged

Proj No Well No DA MO YR

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
8	6	4								1	4	7	3	0	6	8	0	C	M

*19-Write F if Fahrenheit, 20-Write F if Feet

Site Description Operator Editor DA MO YR

21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68					
2	Km	SE	HO	LE	IN	WELL	WELL	#	2	CT	/	DP	2	5	8	0																																				

(Approx. location, water well?, oil test?, etc.)

Map Location * *

Scale Unit Map Size N Lat W Long

IN CM Degree Min Degree Min **

21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	
cm	15	.	3	9	.	4	5	.	0	1	1	7	.	4	5	.	0													

Use decimals

Measure from SW corner of map; except AMS sheets measure from bottom center degree mark (W,-)(E,+)

Use decimals

Northering Easting Elev

51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	
										2	2	.	3																	

Write M if meters

Segment 1 = Depths

21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----

Conductivity

Start End K ΔK

Best cond. (-K)
Downward extrapolations (-ΔK)

Segment 2

51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----

Segment 3

Segment 4

Segment 5

Segment 6

Segment 7

Segment 8

Segment 9

21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----

Segment 10

51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----

After final segment Start = .999

Date Logged: 30/6/80

ΔT Well No. 14-7

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H ₂ O Air	Lithology, etc.
25	8981.5	25.3					
30	8507.6	26.8					
35	7982.0	28.7					
40	7482.5	30.5					
45	6993.8	32.2					
50	6531.6	34.5					
55	6084.2	35.9					
60	5350.0	39.6					
65	5315.0	39.8					
70	4988.0	41.5					
75	4670.0	43.6					
80	4430.0	44.8					
85	4205.0	46.2					
90	4010.0	47.8					
95	3822.0	48.8					
100	3645.0	50.5					
5	3490.0	51.7					
10	3322.0	52.9					
15	3185.0	54.5					
20	3084.0	55.0					
25	3003.0	55.9					
30	2923.0	56.7					
35	2854.0	57.5					
40	2809.0	58.0					
45	2777.0	58.3					
50	2749.0	58.8					
55	2728.0						

K=Conductivity

Date Logged: _____

ΔT Well No. 14-7

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H ₂ O Air	Lithology, etc.
160	2720.0						
65	2723.0						
70	2723.0						
75	2681.0	59.8					
80	2662.0						
85	2649.0						
90	2642.0						
95	2636.0						
200	2636.0	60.1					
05	2641.0						
10	2646.0						
15	2653.0						
20	2657.0						
25	2660.0	59.9					
30	2660.0						
35	2671.0						
40	2676.0						
45	2684.0						
50	2694.0	59.7					
55	2699.0						
60	2709.0						
65	2716.0						
70	2721.0						
75	2730.0	59.0					
80	2745.0						
85	2751.0						
90	2749.0						

K=Conductivity

Date Logged: _____

ΔT Well No. 14-7

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H ₂ O Air	Lithology, etc.
295	2750.0						
300	2750.0	58.8					
325	2781.0	58.4					
350	2795.0	58.1					
375	2799.0	58.0					
400	2805.0	57.9					
425	2803.0	58.0					
450	2793.0	58.1					
475	2772.0	58.5					
* 500	2682.0	59.8					* Probe battery low - need charging - readings unstable
525	2706.0	59.2					
570	2198.0	65.9					
590	1715.0	73.5					

K=Conductivity

ΔT Well No. 14-7

Property-Project McCoy Depth Logged 340m
 Map Shoshone Meadows Scale 15' Date: Drilled _____ Logged 30/6/80
 State Nevada County Churchill of _____ of SW of NW of Sec 7 T _____ R _____
 Instrument #30 Operator CT & DP Elevation _____ (ft/m)
 Comments Probe to end of cable

RT JUSTIFY

Date Logged

Proj No	Well No	DA	MO	YR	*
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20					
864	14-7	30	6	80	C M

*19-Write F if Fahrenheit, 20-Write F if Feet

Site Description

Operator	Editor	DA	MO	YR
21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68				
2 Km SE Hole in wall well #2	CT	DP		

(Approx. location, water well?, oil test?, etc.)

Map Location **

Scale Unit IN CM Map Size (75, 15, 60) Degree Min Degree Min **

21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50				
15.0	39.	45.0	117.	45.0

Use decimals

Northering Easting Elev

51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80			
22.3	29.9		F

Use decimals

Write M if meters

Measure from SW corner of map; except AMS sheets measure from bottom center degree mark (W,-)(E,+)

Segment 1 = Depths

Start	End	Conductivity	Best cond. (-K)
21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50		K ΔK	Downward extrapolations (-ΔK)

Segment 2

Start	End	Conductivity	Best cond. (-K)
51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80		K ΔK	

Segment 3

Segment 4

Segment 5

Segment 6

Segment 7

Segment 8

Segment 9

Segment 10

After final segment Start = .999

Date Logged: 30/6/80

ΔT Well No. 14-7

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H ₂ O Air	Lithology, etc.
25	86.11	25.67					
30	82.10	26.98					
35	77.48	28.56					
40	73.00	30.18					
45	68.94	31.73					
50	64.94	33.34					
55	61.10	34.98					
60	57.44	36.64					
65	53.83	38.38					
70	50.51	40.09					
75	47.20	41.90					
80	43.98	43.80					
85	41.51	45.36					
90	39.28	46.84					
95	37.28	48.25					
100	35.40	49.65					
5	33.65	51.02					
10	32.15	52.26					
15	30.76	53.47					
20	29.52	54.59					
25	28.33	55.72					
30	27.72	56.31					
35	26.86	57.18					
40	26.23	57.83					
45	25.76	58.33					
50	25.43	58.69					
55	25.16	58.98					

K=Conductivity

Date Logged: _____

ΔT Well No. _____

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H ₂ O Air	Lithology, etc.
60	24.92	59.24					
65	24.85	59.32					
70	24.88	59.29					
75	24.78	59.40					
80	24.42	59.81					
85	24.21	60.04					
90	24.06	60.22					
95	24.00	60.29					
200	23.96	60.33					
5	23.96	60.33					
10	23.96	60.33					
15	24.03	60.25					
20	24.09	60.18					
25	24.12	60.15					
30	24.15	60.11					
35	24.19	60.07					
40	24.25	60.00					
45	24.34	59.90					
50	24.42	59.80					
55	24.48	59.74					
60	24.53	59.68					
65	24.58	59.62					
70	24.62	59.58					
75	24.69	59.50					
80	24.78	59.40					
85	24.92	59.24					
90	24.99	59.17					

K=Conductivity

Date Logged: _____

ΔT Well No. 14-7

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H ₂ O Air	Lithology, etc.
95	24.98	59.18					
300	24.97	59.19					
5	24.96	59.20					
10	24.95	59.21					
15	24.93	59.23					
20	24.94	59.22					
25	25.03	59.12					
30	25.19	58.94					
35	25.33	58.80					
340	25.41	58.71					

K=Conductivity

AT Well No. 14-7

Property-Project Mc Coy Depth Logged 590m

Map Shoshone Meadows Scale 15' Date: Drilled 25/5/80 Logged 30/6/80

State Nevada County Churchill of SW of NW of Sec 7 T R

Instrument Corners Probe Operator CT & DP Elevation 4560 (ft m)

Comments Thermistor 167

RT JUSTIFY

Date Logged

Proj No Well No DA MO YR *

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	*19-Write F if Fahrenheit, 20-Write F if Feet		
8	6	4								1	4	-	7	3	0			6		8	0	C M

Site Description Operator Editor DA MO YR

21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68																	
2	Km	SE	4	D	I	E				in	Wall																																																					

(Approx. location, water well?, oil test?, etc.)

Map Location **

Scale Unit (IN CM) Map Size (7.5, 15, 60) Degree Min Degree Min **

21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
cm										15.			39.		45.	0			117.		45.		0						

Use decimals

Northing Easting Elev

51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	
											22.																			

Use decimals

Write M if meters

Measure from SW corner of map; except AMS sheets measure from bottom center degree mark (W,-)(E,+)

Segment 1 = Depths

Start End Conductivity K ΔK Best cond. (-K) Downward extrapolations (-ΔK)

21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----

Segment 2 Start →

51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----

Segment 3 Start →

21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----

Segment 4 Start →

51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----

Segment 5 Start →

21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----

Segment 6 Start →

51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----

Segment 7 Start →

21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----

Segment 8 Start →

51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----

Segment 9 Start →

21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----

Segment 10 Start →

51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----

After final segment Start = .999

Date Logged: 30/6/80

ΔT Well No. 14-7

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H ₂ O Air	Lithology, etc.
25	8981.5	25.3					
30	8507.6	26.8					
35	7982.0	28.7					
40	7482.5	30.5					
45	6993.8	32.2					
50	6531.6	34.5					
55	6084.2	35.9					
60	5350.0	39.6					
65	5315.0	39.8					
70	4988.0	41.5					
75	4670.0	43.6					
80	4430.0	44.8					
85	4205.0	46.2					
90	4610.0	47.8					
95	3822.0	48.8					
100	3645.0	50.5					
5	3490.0	51.7					
10	3322.0	52.9					
15	3185.0	54.5					
20	3084.0	55.0					
25	3003.0	55.9					
30	2923.0	56.7					
35	2854.0	57.5					
40	2809.0	58.0					
45	2777.0	58.3					
50	2749.0	58.8					
55	2728.0						

K=Conductivity

Date Logged: _____

ΔT Well No. 14-7

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H ₂ O Air	Lithology, etc.
160	2720.0						
65	2723.0						
70	2723.0						
75	2681.0	59.8					
80	2662.0						
85	2649.0						
90	2642.0						
95	2636.0						
200	2636.0	60.1					
05	2641.0						
10	2646.0						
15	2653.0						
20	2657.0						
25	2660.0	59.9					
30	2660.0						
35	2671.0						
40	2676.0						
45	2684.0						
50	2694.0	59.7					
55	2699.0						
60	2709.0						
65	2716.0						
70	2721.0						
75	2730.0	59.0					
80	2745.0						
85	2751.0						
90	2749.0						

K=Conductivity

Date Logged: _____

ΔT Well No. 14-7

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H ₂ O Air	Lithology, etc.
295	2750.0						
300	2750.0	58.8					
325	2781.0	58.4					
350	2795.0	58.1					
375	2799.0	58.0					
400	2805.0	57.9					
425	2803.0	58.0					
450	2793.0	58.1					
475	2772.0	58.5					
* 500	2682.0	59.2					* Probe battery low - need charging - readings unstable
525	2706.0	59.2					
570	2198.0	65.9					
590	1715.0	73.5					

K=Conductivity

AT Well No. 66-8

Property-Project Mc Coy Depth Logged 755 m
 Map Shoshone Meadows Scale 15' Date: Drilled 31/3/80 Logged 30/6/80
 State Nevada County Churchill of of NW of SE of Sec 8 T22N R40E
 Instrument EnviroLab Probe Operator CT & DP Elevation 5795 (ft/m)
 Comments 3" pipe H₂O at ±200 meters

RT JUSTIFY

Date Logged

Proj No	Well No	DA	MO	YR
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20				
864	66-830	3	6	80

*19-Write F if Fahrenheit, 20-Write F if Feet

Card A

Site Description																														Operator					Editor					DA			MO			YR		
21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	
3.5 km SSE HOLE in wall well																														CT					DP					31			3			80		

(Approx. location, water well?, oil test?, etc.)

Card B

Scale Unit IN CM

Map Size (75, 15, 60) 15.

N Lat Degree 39. Min 45.0

Map Location * * W Long Degree 117. Min 45.0

Use decimals

Measure from SW corner of map; except AMS sheets measure from bottom center degree mark (W-)(E,+)

Northing										Easting										Elev									
51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
6.3										34.1										5795									

Use decimals

Write M if meters

Segment 1 = Depths

Start	End	Conductivity K	ΔK																										
21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50

Best cond. (-K)
Downward extrapolations (-ΔK)

Segment 2

51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----

Segment 3

Segment 4

Segment 5

Segment 6

Segment 7

Segment 8

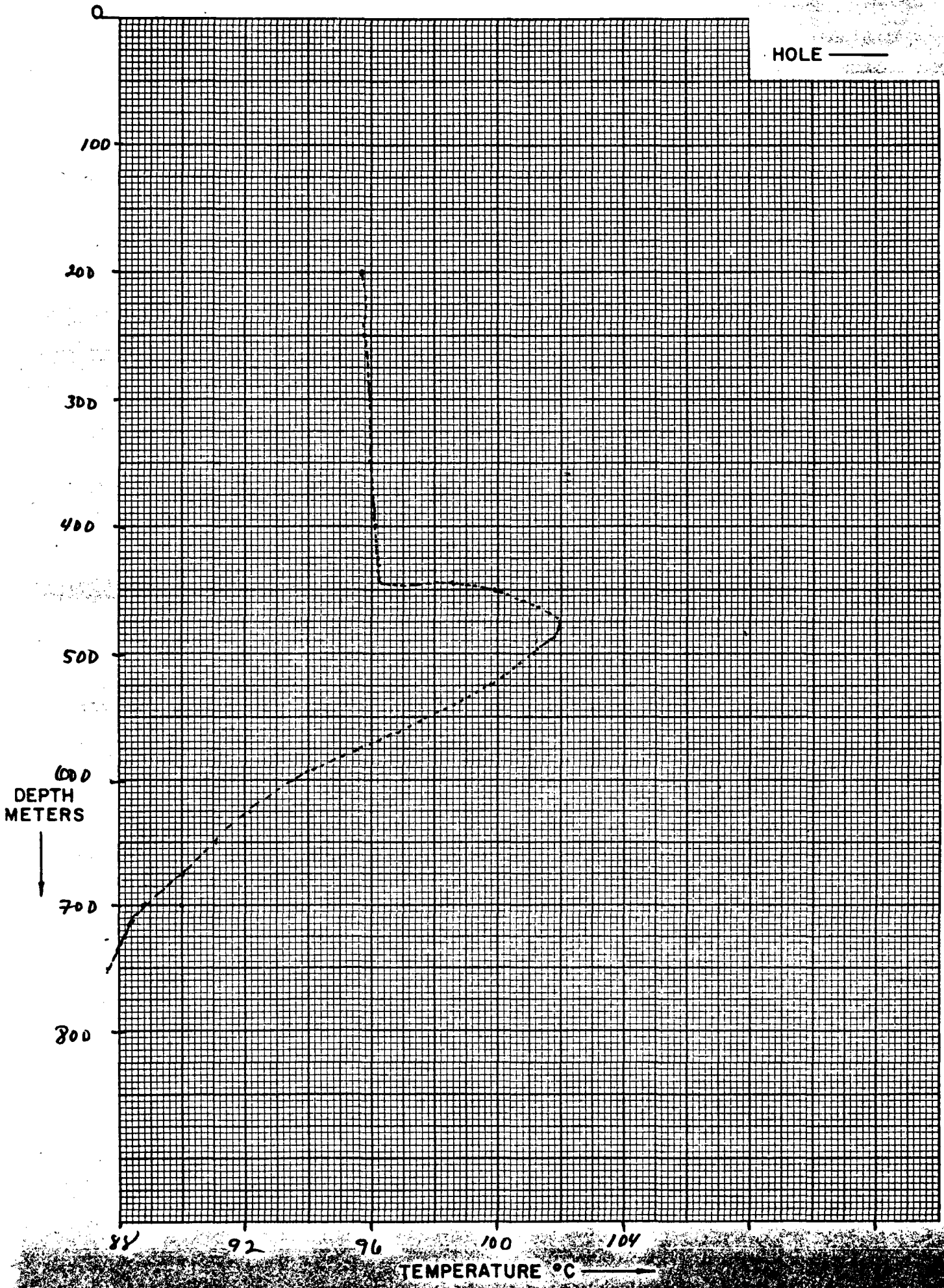
Segment 9

21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----

Segment 10

51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----

After final segment Start = .999



Date Logged: 30/6/80

ΔT Well No. 66-8

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H ₂ O Air	Lithology, etc.
200		95.7					
5		95.7					
10		95.7					
15		95.8					
20		95.8					
25		95.8					
30		95.8					
35		95.8					
40		95.8					
45		95.8					
250		95.8					
55		95.9					
60		95.7					
65		95.9					
70		95.9					
75		95.9					
80		95.9					
85		95.9					
90		95.9					
95		95.9					
300		96.0					
5		96.0					
10		96.0					
15		96.0					
20		96.0					
25		96.0					
30		96.0					

K=Conductivity

Date Logged: _____

ΔT Well No. 66-8

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H ₂ O Air	Lithology, etc.
335		96.0					
40		96.0					
45		96.0					
50		96.0					
55		96.0					
60		96.0					
65		96.1					
70		96.1					
75		96.1					
80		96.1					
85		96.1					
90		96.1					
95		96.1					
400		96.1					
5		96.1					
10		96.1					
15		96.1					
20		96.1					
25		96.2					
30		96.2					
35		96.2					
40		97.4					
45		98.6					
50		99.9					
55		100.6					
60		101.3					
65		101.6					

K=Conductivity

Date Logged: _____

ΔT Well No. 66-8

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H ₂ O Air	Lithology, etc.
470		101.9					
75		102.0					
80		102.0					
85		101.8					
90		101.6					
95		101.4					
500		101.2					
5		101.0					
10		100.8					
15		100.4					
20		100.1					
25		99.8					
30		99.3					
35		98.8					
40		98.5					
45		98.0					
50		97.7					
55		97.1					
60		96.7					
65		96.4					
70		96.0					
75		95.5					
80		95.0					
85		94.6					
90		94.3					
95		93.9					
600		93.5					

K=Conductivity

Date Logged: _____

ΔT Well No. 66-8

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H ₂ O Air	Lithology, etc.
605		93.2					
10		92.9					
15		92.9					
20		92.4					
25		92.2					
30		92.1					
35		91.8					
40		91.6					
45		91.3					
50		91.1					
55		90.9					
60		90.7					
65		90.5					
70		90.2					
75		90.0					
80		89.8					
85		89.5					
90		89.3					
95		89.1					
700		88.8					
5		88.7					
10		88.4					
15		88.3					
20		88.3					
25		88.2					
30		88.1					
35		88.0					

K=Conductivity

ΔT Well No. 66-8

Property-Project Mc Coy Depth Logged 755 m
 Map Shoshone Meadows Scale 15' Date: Drilled 31/3/80 Logged 30/6/80
 State Nevada County Churchill of of NW of SE of Sec 8 T22N R40E
 Instrument EnviroLab Probe Operator CT & DP Elevation 5795 (ft)
 Comments 3" pipe H₂O at ±200 meters

RT JUSTIFY

Date Logged

Proj No	Well No	DA	MO	YR	*
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20					
864	66-8	30	6	80	C M

*19-Write F if Fahrenheit, 20-Write F if Feet

Card A

Site Description																														Operator			Editor			DA	MO	YR
21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68	3.5 km SSE HOLE in wall well																														CT / DP							

(Approx. location, water well?, oil test?, etc.)

Card B

Map Location **

Scale Unit	Map Size	N Lat	W Long
IN CM	(7.5, 15., 60.)	Degree	Degree
21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50		Min	Min
2m	15.	39. 45.0	117. 45.0

Use decimals

Measure from SW corner of map; except AMS sheets measure from bottom center degree mark (W,-)(E,+)

Northing	Easting	Elev
51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80		
6.3	34.1	5795.

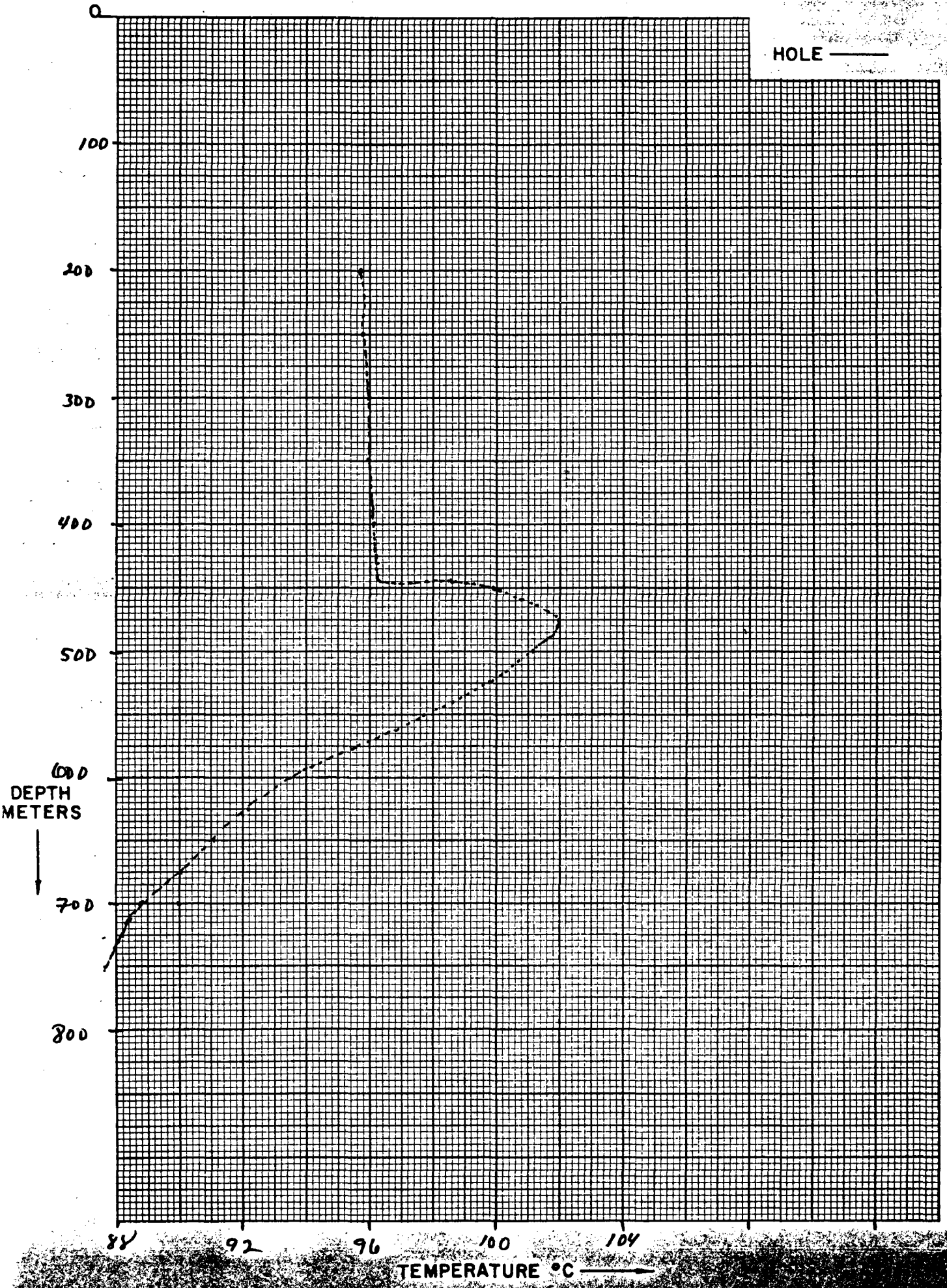
Use decimals

Write M if meters

Segment 1 = Depths	Conductivity	Best cond. (-K)
Start	End	Downward extrapolations (-ΔK)
21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50	K	ΔK
	End	K
	Segment 2	ΔK
	Start →	
	51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80	
Segment 3	Start →	
Segment 4	Start →	
Segment 5	Start →	
Segment 6	Start →	
Segment 7	Start →	
Segment 8	Start →	
Segment 9	Start →	
21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50		
Segment 10	Start →	
51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80		

After final segment Start = .999

HOLE _____



Date Logged: 30/6/80

ΔT Well No. 66-8

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H ₂ O Air	Lithology, etc.
200		95.7					
5		95.7					
10		95.7					
15		95.8					
20		95.8					
25		95.8					
30		95.8					
35		95.8					
40		95.8					
45		95.8					
250		95.8					
55		95.9					
60		95.7					
65		95.9					
70		95.9					
75		95.9					
80		95.9					
85		95.9					
90		95.9					
95		95.9					
300		96.0					
5		96.0					
10		96.0					
15		96.0					
20		96.0					
25		96.0					
30		96.0					

K=Conductivity

Date Logged: _____

ΔT Well No. 66-8

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H ₂ O Air	Lithology, etc.
335		96.0					
40		96.0					
45		96.0					
50		96.0					
55		96.0					
60		96.0					
65		96.1					
70		96.1					
75		96.1					
80		96.1					
85		96.1					
90		96.1					
95		96.1					
400		96.1					
5		96.1					
10		96.1					
15		96.1					
20		96.1					
25		96.2					
30		96.2					
35		96.2					
40		97.4					
45		98.6					
50		99.9					
55		100.6					
60		101.3					
65		101.6					

K=Conductivity

Date Logged: _____

ΔT Well No. 66-8

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H ₂ O Air	Lithology, etc.
470		101.9					
75		102.0					
80		102.0					
85		101.8					
90		101.6					
95		101.4					
500		101.2					
5		101.0					
10		100.8					
15		100.4					
20		100.1					
25		99.8					
30		99.3					
35		98.8					
40		98.5					
45		98.0					
50		97.7					
55		97.1					
60		96.7					
65		96.4					
70		96.0					
75		95.5					
80		95.0					
85		94.6					
90		94.3					
95		93.9					
600		93.5					

K=Conductivity

Date Logged: _____

 ΔT Well No. 66-8

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H ₂ O Air	Lithology, etc.
605		93.2					
10		92.9					
15		92.9					
20		92.4					
25		92.2					
30		92.1					
35		91.8					
40		91.6					
45		91.3					
50		91.1					
55		90.9					
60		90.7					
65		90.5					
70		90.2					
75		90.0					
80		89.8					
85		89.5					
90		89.3					
95		89.1					
700		88.8					
5		88.7					
10		88.4					
15		88.3					
20		88.3					
25		88.2					
30		88.1					
35		88.0					

K=Conductivity

Date Logged: _____

ΔT Well No. 66-8

TD

Depth (meters)	Instr. Reading	Temp. $^{\circ}C$	ΔT	Grad. $^{\circ}C/km$	K (Est.)	H ₂ O Air	Lithology, etc.
740		87.8					
45		87.7					
50		87.5					
55		87.5					

K=Conductivity

ΔT Well No. 66-8

Property-Project Mc Coy Depth Logged 755 m
 Map Shoshone Meadows Scale 15' Date: Drilled 31/3/80 Logged 30/6/80
 State Nevada County Churchill of of NW of SE of Sec 8 T22N R40E
 Instrument EnviroLab Probe Operator CT & DP Elevation 5795 (ft/m)
 Comments 3" pipe H₂O at ±200 meters

RT JUSTIFY

Date Logged

Proj No	Well No	DA	MO	YR	*
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20					
864	66-8	30	6	80	C M

*19-Write F if Fahrenheit, 20-Write F if Feet

Site Description

Operator	Editor	DA	MO	YR
21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68				
3.5 km SSE HOLE in wall well	CT / DP	31	3	80

(Approx. location, water well?, oil test?, etc.)

Map Location **

Scale Unit IN CM Map Size (7.5, 15, 60) Degree Min Degree Min **

21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50				
15. 39. 45.0 117. 45.0				

Use decimals

Northing Easting Elev

51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80			
6.3 34.1 5795			

Use decimals

Write M if meters

Measure from SW corner of map; except AMS sheets measure from bottom center degree mark (W,-)(E,+)

Segment 1 = Depths

Start	End	Conductivity K	ΔK
21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50			

Best cond. (-K)
Downward extrapolations (-ΔK)

Segment 2

Start	End	K	ΔK
51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80			

Segment 3

Segment 4

Segment 5

Segment 6

Segment 7

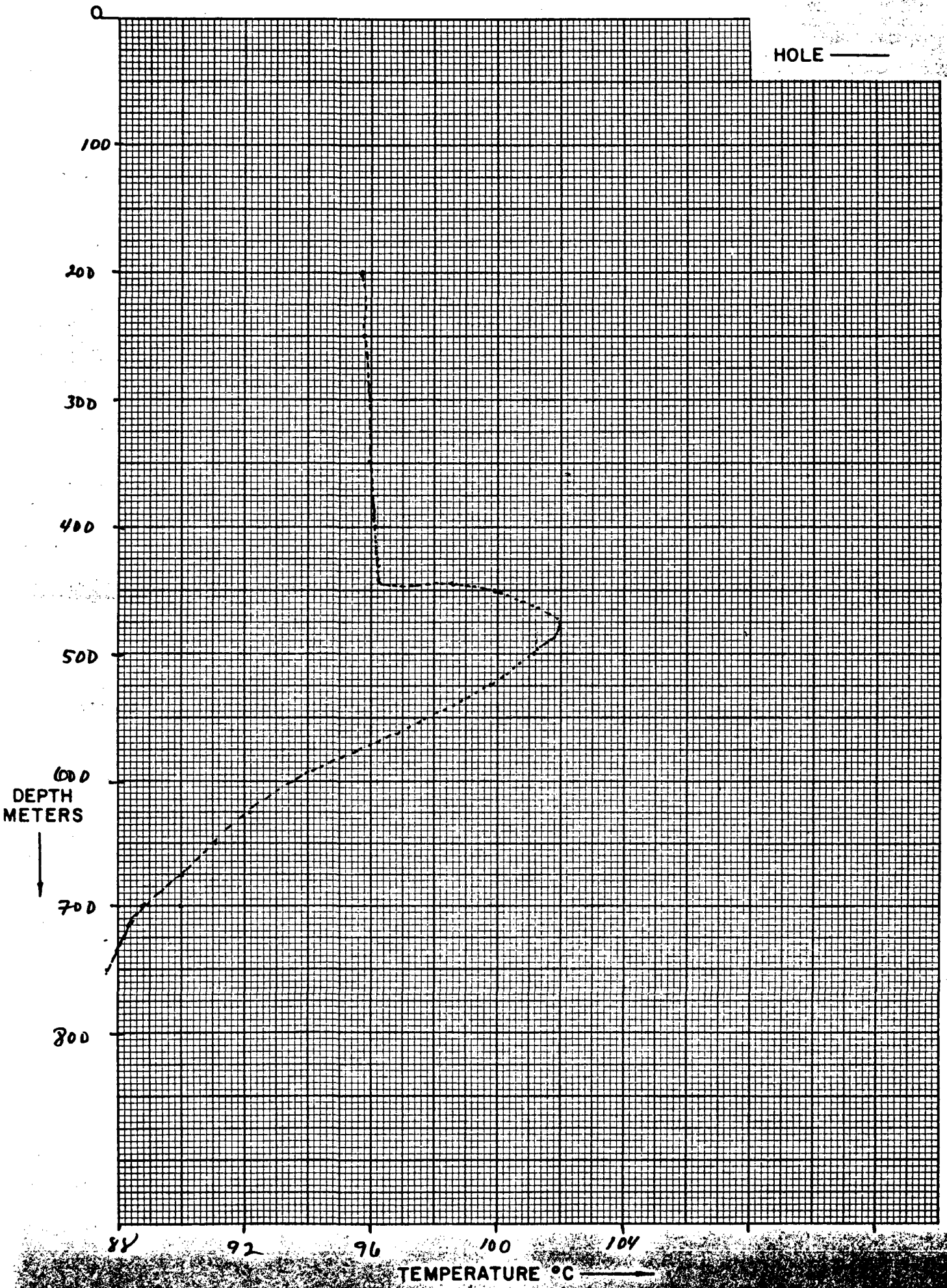
Segment 8

Segment 9

Segment 10

Start	End	K	ΔK
51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80			

After final segment Start = .999



Date Logged: 30/6/80

ΔT Well No. 06-8

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H ₂ O Air	Lithology, etc.
200		95.7					
5		95.7					
10		95.7					
15		95.8					
20		95.8					
25		95.8					
30		95.8					
35		95.8					
40		95.8					
45		95.8					
250		95.8					
55		95.9					
60		95.7					
65		95.9					
70		95.9					
75		95.9					
80		95.9					
85		95.9					
90		95.9					
95		95.9					
300		96.0					
5		96.0					
10		96.0					
15		96.0					
20		96.0					
25		96.0					
30		96.0					

K=Conductivity

Date Logged: _____

ΔT Well No. 66-8

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H ₂ O Air	Lithology, etc.
335		96.0					
40		96.0					
45		96.0					
50		96.0					
55		96.0					
60		96.0					
65		96.1					
70		96.1					
75		96.1					
80		96.1					
85		96.1					
90		96.1					
95		96.1					
400		96.1					
5		96.1					
10		96.1					
15		96.1					
20		96.1					
25		96.2					
30		96.2					
35		96.2					
40		97.4					
45		98.6					
50		99.9					
55		100.6					
60		101.3					
65		101.6					

K=Conductivity

Date Logged: _____

ΔT Well No. 66-8

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H ₂ O Air	Lithology, etc.
470		101.9					
75		102.0					
80		102.0					
85		101.8					
90		101.6					
95		101.4					
500		101.2					
5		101.0					
10		100.8					
15		100.4					
20		100.1					
25		99.8					
30		99.3					
35		98.8					
40		98.5					
45		98.0					
50		97.7					
55		97.1					
60		96.7					
65		96.4					
70		96.0					
75		95.5					
80		95.0					
85		94.6					
90		94.3					
95		93.9					
600		93.5					

K=Conductivity

Date Logged: _____

 ΔT Well No. 66-8

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H ₂ O Air	Lithology, etc.
605		93.2					
10		92.9					
15		92.9					
20		92.4					
25		92.2					
30		92.1					
35		91.8					
40		91.6					
45		91.3					
50		91.1					
55		90.9					
60		90.7					
65		90.5					
70		90.2					
75		90.0					
80		89.8					
85		89.5					
90		89.3					
95		89.1					
700		88.8					
5		88.7					
10		88.4					
15		88.3					
20		88.3					
25		88.2					
30		88.1					
35		88.0					

K=Conductivity



EXPLORATION, INC.

A SUBSIDIARY OF AMAX INC.

GEOHERMAL BRANCH

August 5, 1980

Contracting Officer
Engineering and Energy Applications Division
Department of Energy
Nevada Operations Office
P. O. Box 14100
Las Vegas, Nevada 89114

Attn: Joseph D. Fiore

Re: McCoy Area

Geothermal Reservoir Assessment Case Study
Northern Basin and Range DE-AC08-79ET27010
Data Delivery

Dear Joe:

Pursuant to provisions of the AMAX/DOE McCoy contract DE-AC08-79ET27010 Appendix A, paragraph E.2 (Transmittal of Deliverables), I am enclosing one each preliminary field copy of the temperature/depth log taken June 30, 1980 for wells #14-7 and #66-8.

Best regards,

Sincerely,

AMAX EXPLORATION, INC.

Harry J. Olson
Managing Geologist
Geothermal Exploration

cc: H. P. Ross ✓
A. W. Wells

Receipt of the data acknowledged by Howard P. Ross

Date August 8, 1980

dm

GEOTHERMAL BRANCH

December 3, 1980

Dr. H. P. Ross
Earth Science Laboratory
University of Utah Research Institute
391 Chipeta Way
Salt Lake City, Utah 84108

Original

Re: McCoy Area

Geothermal Reservoir Assessment Case Study
Northern Basin and Range DE-AC08-79ET27010

Data Delivery - Well #66-8 (Lith Log)

Dear Howard:

Pursuant to provisions of the AMAX/DOE McCoy contract DE-AC08-79ET27010 Appendix A, paragraph E.2 (Transmittal of Deliverables), I am enclosing four each copies of the following data:

Lithologic Log Well #66-8, 0-2510 feet, 3/16/80

Temperature/Depth Log Well #66-8, 0-755 meters, 6/30/80
(Field Copy)

Please acknowledge receipt of the above data by returning a signed copy of this letter.

Sincerely,

AMAX EXPLORATION, INC.

Harry J. Olson
Harry J. Olson
Managing Geologist
Geothermal Exploration

Receipt of the data acknowledged by *Howard P. Ross*
Date *December 8, 1980*

cc: J. D. Fiore
A. W. Wells

ΔT Well No. 66-8

Property-Project Mc Coy Depth Logged 755 m
 Map Shoshone Meadows Scale 15' Date: Drilled 31/3/80 Logged 30/6/80
 State Nevada County Churchill of of NW of SE of Sec 8 T22N R40E
 Instrument EnviroLab Probe Operator CT & Op Elevation 5795 (ft/m)
 Comments 3" pipe H₂O at ±200 meters

RT JUSTIFY

Date Logged

Proj No	Well No	DA	MO	YR	*	
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68	66	8	30	6	80

*19-Write F if Fahrenheit, 20-Write F if Feet

Site Description

Operator	Editor	DA	MO	YR
3 4 5 km SSE HOLE in wall well	CT / DP	31	3	80

(Approx. location, water well?, oil test?, etc.)

Map Location * *

Scale Unit IN CM Map Size (7.5, 15, 60) Degree 39. Min 45.0 Degree 117. Min 45.0 **

Use decimals

Northing 6.3 Easting 34.1 Elev 5795. F ← Write M if meters

Measure from SW corner of map; except AMS sheets measure from bottom center degree mark (W,-)(E,+)

Segment 1 = Depths Start

Start	End	Conductivity K	ΔK	Best cond. (-K)	Downward extrapolations (-ΔK)
21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50	51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80				

Segment 2 Start →

Segment 3 Start →

Segment 4 Start →

Segment 5 Start →

Segment 6 Start →

Segment 7 Start →

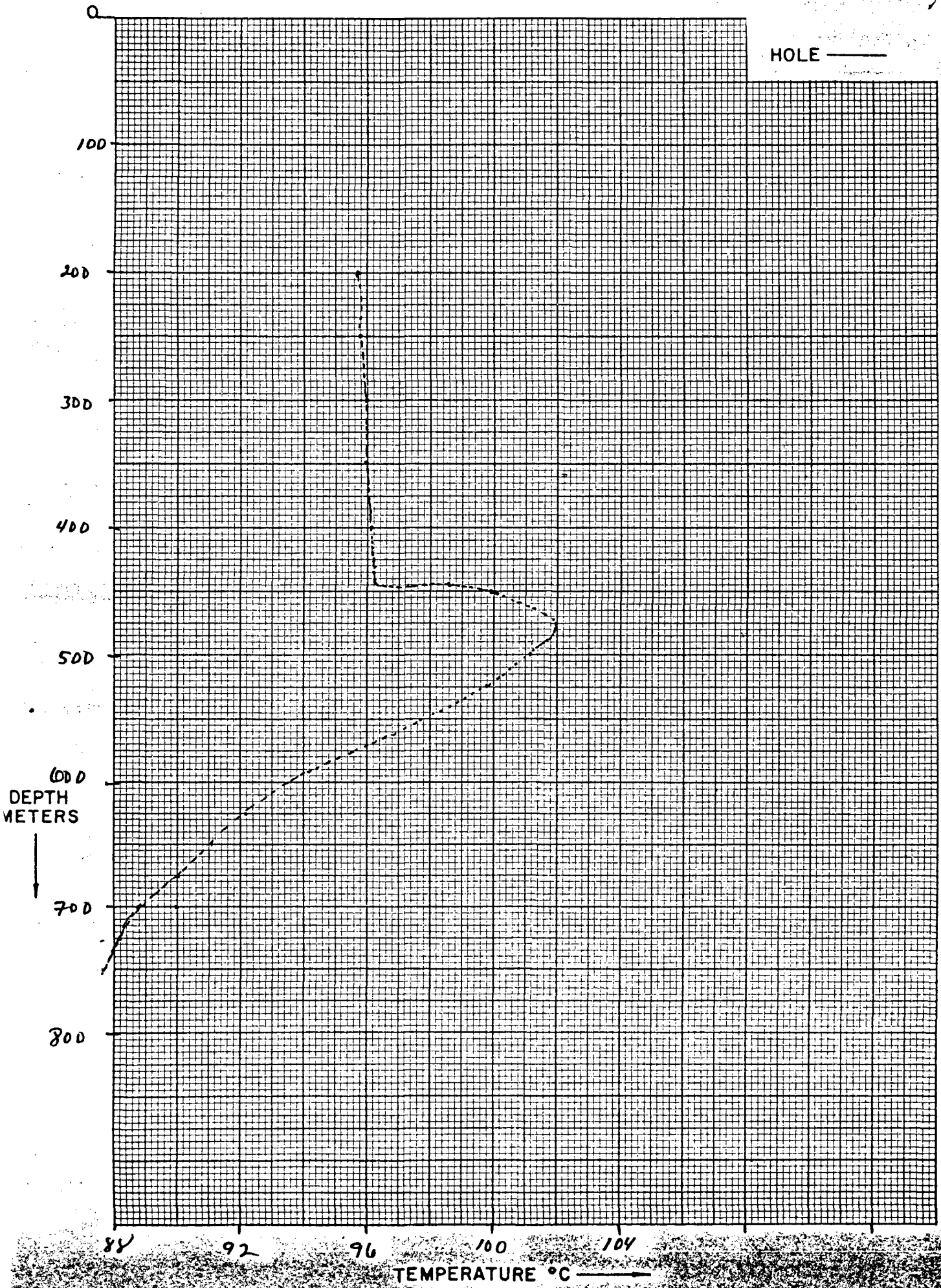
Segment 8 Start →

Segment 9 Start →

Segment 10 Start →

After final segment Start = .999

HOLE ———



Date Logged: 30/6/80ΔT Well No. 06-8

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H ₂ O Air	Lithology, etc.
200		95.7					
5		95.7					
10		95.7					
15		95.8					
20		95.8					
25		95.8					
30		95.8					
35		95.8					
40		95.8					
45		95.8					
250		95.8					
55		95.9					
60		95.7					
65		95.9					
70		95.9					
75		95.9					
80		95.9					
85		95.9					
90		95.9					
95		95.9					
300		96.0					
5		96.0					
10		96.0					
15		96.0					
20		96.0					
25		96.0					
30		96.0					

K=Conductivity

Date Logged: _____

ΔT Well No. 66-8

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H ₂ O Air	Lithology, etc.
335		96.0					
40		96.0					
45		96.0					
50		96.0					
55		96.0					
60		96.0					
65		96.1					
70		96.1					
75		96.1					
80		96.1					
85		96.1					
90		96.1					
95		96.1					
400		96.1					
5		96.1					
10		96.1					
15		96.1					
20		96.1					
25		96.2					
30		96.2					
35		96.2					
40		97.4					
45		98.6					
50		99.9					
55		100.6					
60		101.3					
65		101.6					

K=Conductivity

Date Logged: _____

ΔT Well No. 66-8

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H ₂ O Air	Lithology, etc.
470		101.9					
75		102.0					
80		102.0					
85		101.8					
90		101.6					
95		101.4					
500		101.2					
5		101.0					
10		100.8					
15		100.4					
20		100.1					
25		99.8					
30		99.3					
35		98.8					
40		98.5					
45		98.0					
50		97.7					
55		97.1					
60		96.7					
65		96.4					
70		96.0					
75		95.5					
80		95.0					
85		94.6					
90		94.3					
95		93.9					
600		93.5					

K=Conductivity

Date Logged: _____

ΔT Well No. 66-8

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H ₂ O Air	Lithology, etc.
605		93.2					
10		92.9					
15		92.9					
20		92.4					
25		92.2					
30		92.1					
35		91.8					
40		91.6					
45		91.3					
50		91.1					
55		90.9					
60		90.7					
65		90.5					
70		90.2					
75		90.0					
80		89.8					
85		89.5					
90		89.3					
95		89.1					
700		88.8					
5		88.7					
10		88.4					
15		88.3					
20		88.3					
25		88.2					
30		88.1					
35		88.0					

K=Conductivity


LITHOLOGIC LOG

PROJECT McCoy HOLE NO. 66-8
 LOCATION Churchill County, Nevada COLLAR EL. 5795 feet
 COMPANY AMAX - O'Brien Resources TOTAL DEPTH 2510 feet
 CONTRACTOR American Geothermal Drilling SPUDDED 10/30/79 FINISHED 3/16/80
 LOGGED BY Jim Gross

DEPTH	LITHOLOGY	DESCRIPTION	CASING
0 10 20 30 40 50 60 70 80 90 100 110 120 130 140	TUFF ? NO SAMPLE	<p>0-90' No samples - samples supposed to have been collected but not in storage room. During the drilling operations conducted by American Geothermal Drilling (0-800 feet) the samples were not collected as accurately as they were by Anderson Drilling (800-2510 feet). There is some question regarding whether all samples in the interval 0-800 feet were labeled properly. 0-90' Some samples of questionable origin probably from this interval were Tuff.</p> <p>90' to approximately 660' TUFF euhedral sanidine, euhedral magnetite, euhedral phlogopite and biotite, aphanitic groundmass is grayish orange pink to white. Probably latitic composition. 90% of material aphanitic to pumiceous xlts < 1 mm.</p> <p>@ 120' euhedral biotite inside clear sanidine.</p> <p>@ 130' oxidized magnetite, first indication of green alteration.</p>	


LITHOLOGIC LOG

PROJECT McCoy HOLE NO. 66-8
 LOCATION Churchill County, Nevada COLLAR EL. 5795 feet
 COMPANY AMAX - O'Brien Resources TOTAL DEPTH 2510 feet
 CONTRACTOR American Geothermal Drilling SPUDED 10/30/79 FINISHED 3/16/80
 LOGGED BY Jim Gross

DEPTH	LITHOLOGY	DESCRIPTION	CASING
150 160 170 180 190 200 210 220 230 240 250 260 270 280 290		<p>@ 150' anhedral white sodic (albite) feldspar intergrown with groundmass.</p> <p>@ 250' no sanidine, 100% orange pink aphanitic, some biotite.</p> <p>@ 260' minor sanidine & biotite.</p> <p>@ 270-280' no sample.</p>	

LITHOLOGIC LOG

PROJECT McCoy HOLE NO. 66-8
 LOCATION Churchill County, Nevada COLLAR EL. 5795 feet
 COMPANY AMAX - O'Brien Resources TOTAL DEPTH 2510 feet
 CONTRACTOR American Geothermal Drilling SPUDED 10/30/79 FINISHED 3/16/80
 LOGGED BY Jim Gross

DEPTH	LITHOLOGY	DESCRIPTION	CASING
<p>300</p> <p>310</p> <p>320</p> <p>330</p> <p>340</p> <p>350</p> <p>360</p> <p>370</p> <p>380</p> <p>390</p> <p>400</p> <p>410</p> <p>420</p> <p>430</p> <p>440</p> <p>450</p>		<p>@ 340' 90% of material is now white and aphanitic.</p> <p>@ 350' same as 340' with orange yellow stain.</p> <p>@ 360' same as 350' mostly white, very few sanidine xls, yellow stain.</p> <p>@ 390' same as 360', trace sphalerite.</p> <p>@ 400' note: coatings seen on and through aphanitic cuttings.</p> <p>@ 410' same, less orange & yellow, faint purple color to some fragments and HgS(?).</p> <p>@ 420' purple color zone - orange & yellow color back.</p> <p>@ 440' concentrations of yellow mineral on rotted, altered feldspar (sanidine).</p>	<p>CASING</p>

LITHOLOGIC LOG

PROJECT McCoy HOLE NO. 66-8
 LOCATION Churchill County, Nevada COLLAR EL. 5795 feet
 COMPANY AMAX - O'Brien Resources TOTAL DEPTH 2510 feet
 CONTRACTOR American Geothermal Drilling SPUDED 10/30/79 FINISHED 3/16/80
 LOGGED BY Jim Gross

DEPTH	LITHOLOGY	DESCRIPTION	CASING	
450				
460				
470				
480				
490				
500				
510				
520			520'-530' No sample	
530		NO SAMP.	530'-540' same as @ 510-520'	
540			540'-560' No sample	
550	NO SAMPLE			
560				
570		@ 570' reappearance of green celadonite & prominent black biotite to 1 mm.		
580		@ 580' same as 570'		
590		@ 590' significant steel chips		
600		@ 600' same as above, noticeable amounts < 10% fine grained material (not all volcanic now).		

8 5/8"
@
488'

LITHOLOGIC LOG

PROJECT McCoy HOLE NO. 66-8
 LOCATION Churchill County, Nevada COLLAR EL. 5795 feet
 COMPANY AMAX - O'Brien TOTAL DEPTH 2510 feet
 CONTRACTOR American Geothermal Drilling SPUDED 10/30/79 FINISHED 3/16/80
 LOGGED BY Jim Gross to 700' - Eugene V. Ciancanelli below 700'

DEPTH	LITHOLOGY	DESCRIPTION	CASING
600		600'-650' No sample	
610			
620			
630	NO SAMPLE		
640	NO SAMPLE		
650	NO SAMPLE		
660	NO SAMPLE	650'-660' first appearance of cherty or fine grained quartzite material, light brown color. This could be xenoliths in tuff.	
670	NO SAMPLE	660'-680' No sample	
680	NO SAMPLE	NOTE: Sample recovery in this portion of hole was poor. Also sample collection and labeling by American Geothermal Drilling was not properly performed and some samples mislabeled.	
690	NO SAMPLE	The actual contact between tuff and limestone was probably at about 725 feet. Check gamma log as tuffs much more radioactive than limestone. Check temperature and S.P. logs in this interval also.	
700	NO SAMPLE	700'-725' approx. TUFF	
710	NO SAMPLE	Overall color of fine powdery cuttings, light brownish gray with dark and light colored fragments including shades of red, brown, black, white & gray rock and xl fragments. The section is probably interbedded tuffs with some welded zones. Sulfides present as pyrite.	
720	NO SAMPLE		
730	NO SAMPLE	725' to 777' BLACK LIMESTONE? Check this rock type for positive identification. Unknown black rock possibly limestone, partially effervesces in HCl acid, some shiny black xl faces seen. Should check in case economic minerals present, possibly carbon or manganese. Formation of shiny black scum on water surface when samples washed. Sulfides also present.	
740	NO SAMPLE		
750	NO SAMPLE		

ALL SAMPLES IN THIS INTERVAL COULD BE MISLABELED

6 5/8"
@
704'

LITHOLOGIC LOG

PROJECT McCoy HOLE NO. 66-8
 LOCATION Churchill County, Nevada COLLAR EL. 5795 feet
 COMPANY AMAX - O'Brien Resources TOTAL DEPTH 2510 feet
 CONTRACTOR American Geothermal (to 800') Anderson SPUDED 10/30/79 FINISHED 3/16/80
 LOGGED BY Eugene V. Ciancanelli Drilling (below 800')

DEPTH	LITHOLOGY	DESCRIPTION	CASING
750 760 770 780 790 800 810 820 830 840 850 860 870 880 890 900		<p>775'-790' SANDSTONE - CALCAREOUS Sandstone, medium dark gray, fine grained, sulfides present, calcareous SS.</p> <p>@ 790' becomes darker in color and more like the unknown rock in 730-775 interval. It is possible that the black rock is a limestone.</p> <p>790'-1020' LIMESTONE Limestone - dark gray N3, sulfides & calcite veins both present, but sulfides less common in limestone below 790' than higher in hole.</p> <p>@ 800' Anderson Drilling Co. began sampling and samples are correct below 800 feet.</p> <p>@ 840' becomes like interval 730'-775' then gradually downward changes to interval 790' type limestone.</p>	

LITHOLOGIC LOG

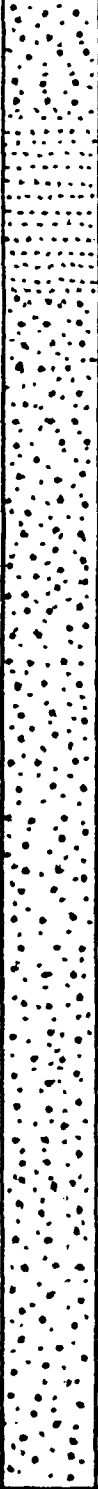
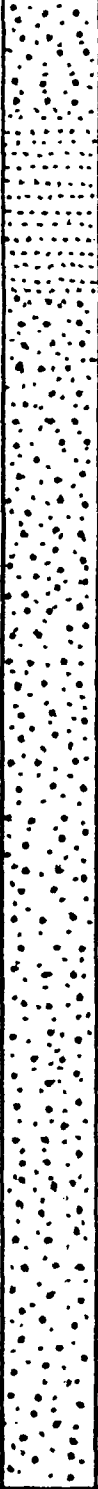
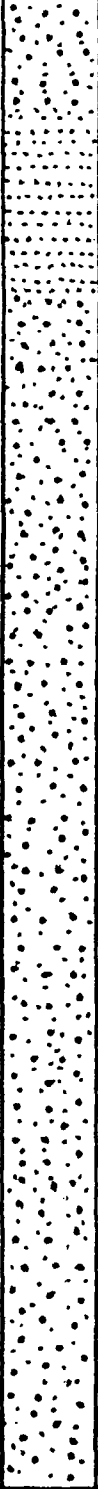
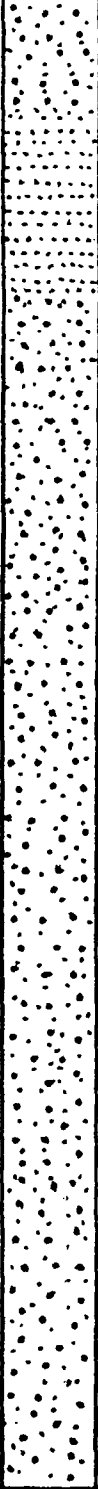
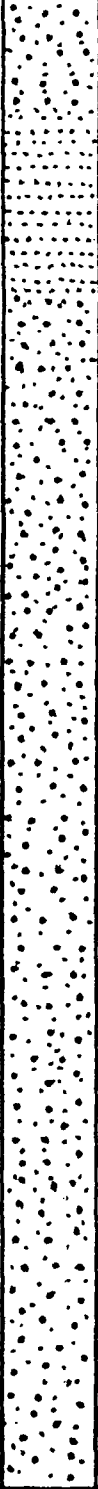
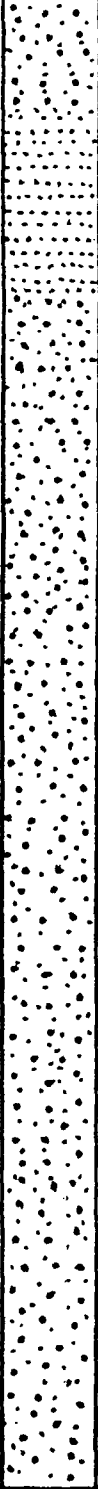
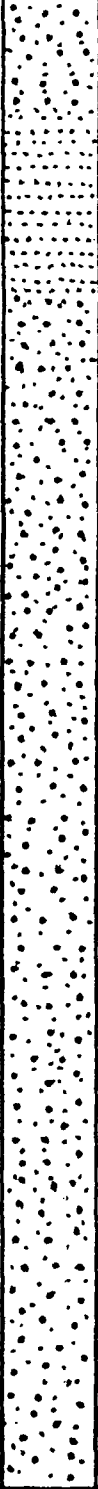
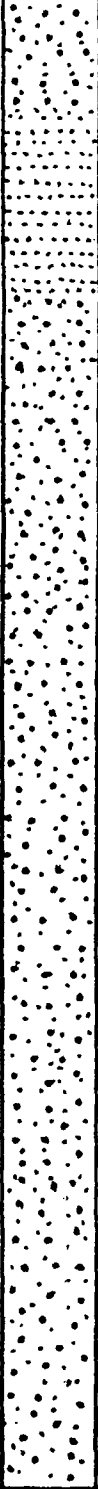
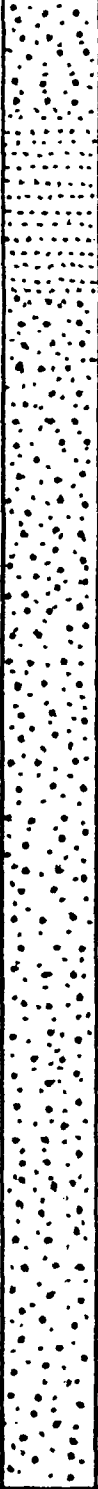
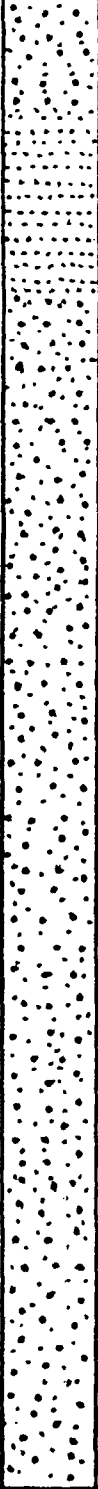
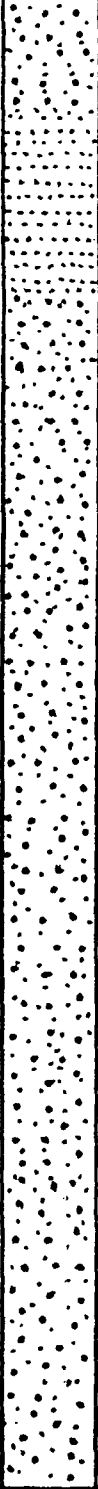
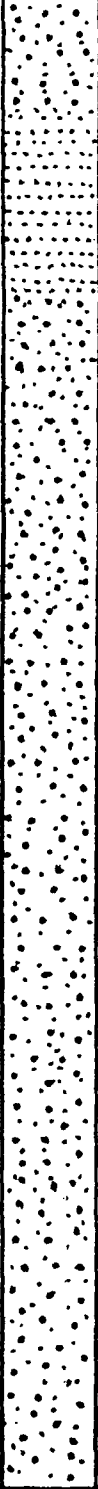
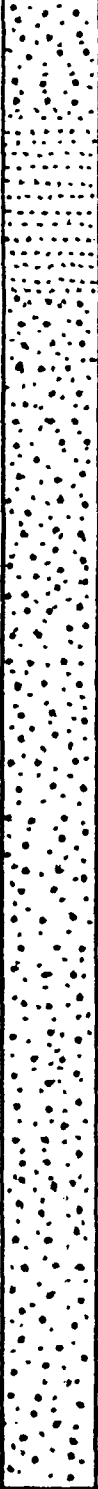
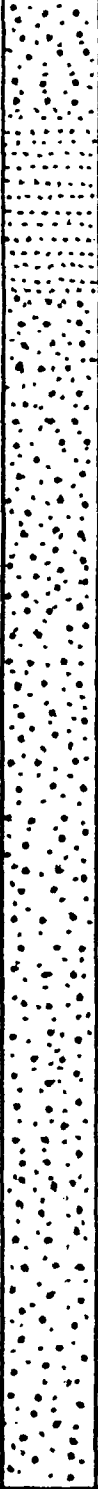
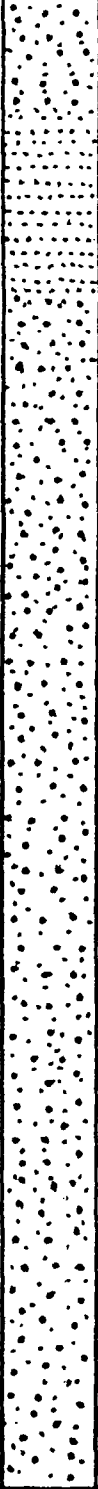
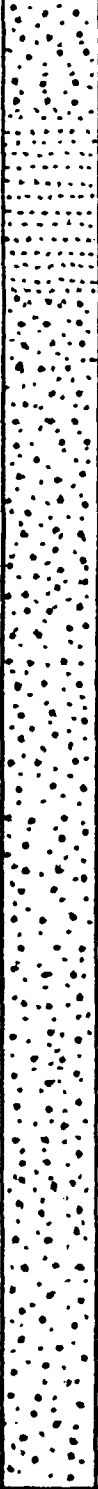
SHEET 7 OF 17

PROJECT McCoy HOLE NO. 66-8
 LOCATION Churchill County, Nevada COLLAR EL. 5795 feet
 COMPANY AMAX - O'Brien Resources TOTAL DEPTH 2510 feet
 CONTRACTOR Anderson Drilling SPUDED 10/30/79 FINISHED 3/16/80
 LOGGED BY Eugene V. Ciancanelli

DEPTH	LITHOLOGY	DESCRIPTION	CASING
<p>900</p> <p>910</p> <p>920</p> <p>930</p> <p>940</p> <p>950</p> <p>960</p> <p>970</p> <p>980</p> <p>990</p> <p>1000</p> <p>1010</p> <p>1020</p> <p>1030</p> <p>1040</p> <p>1050</p>		<p>@ about 980' limestone becoming sandy toward bottom of interval.</p> <p>1020'-1040' SANDSTONE Sandstone, medium dark gray, medium to fine grained poorly sorted, sulfides again present after being virtually absent in the interval 790'-1020'. The grain size gradually coarsens downward until becoming a conglomerate at 1040'.</p> <p>1040'-1060' CONGLOMERATE OR COARSE SANDSTONE except for coarser grain size same as 1020-1040'.</p>	

LITHOLOGIC LOG

PROJECT McCoy HOLE NO. 66-8
 LOCATION Churchill County, Nevada COLLAR EL. 5795 feet
 COMPANY AMAX - O'Brien Resources TOTAL DEPTH 2510 feet
 CONTRACTOR Anderson Drilling SPUDED 10/30/79 FINISHED 3/16/80
 LOGGED BY Eugene V. Ciancanelli

DEPTH	LITHOLOGY	DESCRIPTION	CASING
1050		Veinlets of sulfide probably mostly pyrite.	
1060		1060'-1080' SANDSTONE Sandstone same as interval 1020'-1040'	
1070			
1080		1080'-1240' CONGLOMERATE OR COARSE SANDSTONE Probably coarse sandstone, veins of sulfides as pyrite.	
1090			
1100		@ 1100' becomes lighter colored to medium gray N5.	
1110			
1120			
1130			
1140			
1150			
1160			
1170			
1180			
1190			
1200			

1700 ~ 2.67
2120 > 2.67


LITHOLOGIC LOG

PROJECT McCoy HOLE NO. 66-8
 LOCATION Churchill County, Nevada COLLAR EL. 5795 feet
 COMPANY AMAX - O'Brien Resources TOTAL DEPTH 2510 feet
 CONTRACTOR Anderson Drilling SPUDDED 10/30/79 FINISHED 3/16/80
 LOGGED BY Eugene V. Ciancanelli

DEPTH	LITHOLOGY	DESCRIPTION	CASING
1200 1210 1220 1230 1240 1250 1260 1270 1280 1290 1300 1310 1320 1330 1340 1350		<p>The grain size has been becoming less coarse so that by 1220' there is more of medium to fine grained sandstone.</p> <p>@ 1230' begin to get some light gray N7 quartzite fragments.</p> <p>1240'-2180' CONGLOMERATIC QUARTZITE Medium dark gray N5 pebbles & cobbles in a Medium light gray N6 matrix sulfides present as pyrite. The pebbles all are the same light gray to medium dark gray quartzite with the matrix being the light gray color. The pebbles are rounded.</p>	

LITHOLOGIC LOG

PROJECT McCOY HOLE NO. 66-8
 LOCATION Churchill County, Nevada COLLAR EL. 5795 feet
 COMPANY AMAX - O'Brien Resources TOTAL DEPTH 2510 feet
 CONTRACTOR Anderson Drilling SPUDDED 10/30/79 FINISHED 3/16/80
 LOGGED BY Eugene V. Ciancanelli

DEPTH	LITHOLOGY	DESCRIPTION	CASING
1350 1360 1370 1380 1390 1400 1410 1420 1430 1440 1450 1460 1470 1480 1490 1500		<p>@ 1370' increase in pyrite.</p> <p>@ about 1440' unit becomes somewhat more sandy.</p>	

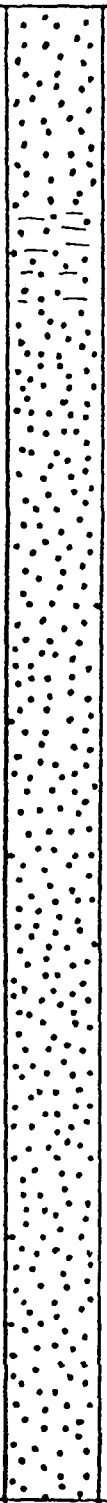
LITHOLOGIC LOG

PROJECT McCoy HOLE NO. 66-8
 LOCATION Churchill County, Nevada COLLAR EL. 5795 feet
 COMPANY AMAX - O'Brien Resources TOTAL DEPTH 2510 feet
 CONTRACTOR Anderson Drilling SPUDED 10/30/79 FINISHED 3/16/80
 LOGGED BY Eugene V. Ciancanelli

DEPTH	LITHOLOGY	DESCRIPTION	CASING
1500 1510 1520 1530 1540 1550 1560 1570 1580 1590 1600 1610 1620 1630 1640 1650		<p>@ 1520' color gradually darkened down to 1620' and then became lighter to medium gray to medium light gray. At this point it is again becoming a conglomerate and less sandy.</p> <p>@ 1550' cuttings became very fine and brown mud was a large portion of the sample. Occasional sample of fault gouge. This continues to about 1620'.</p> <p>@ 1620' QUARTZITE CONGLOMERATE Quartzite, relict pebble outlines, light gray N7.</p>	

LITHOLOGIC LOG

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 LOGGED BY Eugene V. Ciancanelli

DEPTH	LITHOLOGY	DESCRIPTION	CASING
1650		@ 1650' began to get light brownish gray colored quartzite. Sulfides fairly abundant.	
1660			
1670		@ 1670' began to get dark reddish brown cuttings with micaeous foliated texture, possibly this is hematitic quartzite. These cuttings are 15% of sample.	
1680		@ 1680' same as above 1670' - sulfides other than pyrite possibly present. Some fault gouge cuttings. The cuttings are light gray N7 in color.	
1690			
1700			
1710			
1720			
1730		@ 1730' same as at 1650'	
1740		@ 1740' same as at 1680'	
1750			
1760			
1770			
1780			
1790			
1800			

LITHOLOGIC LOG

PROJECT McCoy HOLE NO. 66-8
 LOCATION Churchill County, Nevada COLLAR EL. 5795 feet
 COMPANY AMAX - O'Brien Resources TOTAL DEPTH 2510 feet
 CONTRACTOR Anderson Drilling SPUDED 10/30/79 FINISHED 3/16/80
 LOGGED BY Chris Tower (1800' to 1880') - Eugene V. Ciancanelli (below 1880')

DEPTH	LITHOLOGY	DESCRIPTION	CASING
1800		<p>@ 1800' white quartzite w/ abundant pyrite and other sulfides minor about 5% reddish quartzite probably hematized.</p>	
1810			
1820			
1830		<p>@ 1830' white quartzite no hematized chips, some quartzite is red stained probably along fractures, decrease in sulfides.</p>	
1840			
1850			
1860			
1870			
1880		<p>@ 1880' quartz pebble fragments from quartzite conglomerate, fine grained, medium light gray N6, minor light brownish gray fragments, abundant sulfides, euhedral pyrite < 0.5 mm grains and as seams and coatings. Some pyrite oxidized to yellowish brown.</p>	
1890		<p>@ 1890' slightly less sulfides; light N7 to medium light gray N6 color.</p>	
1900			
1910			
1920			
1930	<p>@ 1930' to 1980' some white crushed fault gouge with slicken sides.</p>		
1940			
1950			











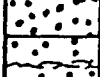
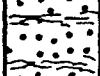


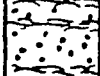
LITHOLOGIC LOG

PROJECT McCoy HOLE NO. 66-8
 LOCATION Churchill County, Nevada COLLAR EL. 5795 feet
 COMPANY AMAX - O'Brien Resources TOTAL DEPTH 2510 feet
 CONTRACTOR Anderson Drilling SPUDED 10/30/79 FINISHED 3/16/80
 LOGGED BY Eugene V. Ciancanelli

DEPTH	LITHOLOGY	DESCRIPTION	CASING
1950			
1960		@ 1960' sulfides decreasing.	
1970			
1980			
1990			
2000			
2010			
2020			
2030			
2040			
2050			
2060			
2070			
2080			
2090			
2100			


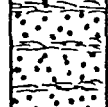
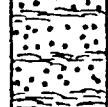


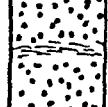
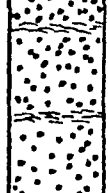

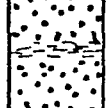
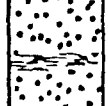
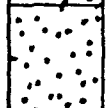
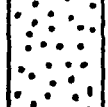
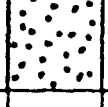


LITHOLOGIC LOG

PROJECT McCoy HOLE NO. 66-8
 LOCATION Churchill County, Nevada COLLAR EL. 5795 feet
 COMPANY AMAX - O'Brien Resources TOTAL DEPTH 2510 feet
 CONTRACTOR Anderson Drilling SPUDED 10/30/79 FINISHED 3/16/80
 LOGGED BY Eugene V. Ciancanelli

DEPTH	LITHOLOGY	DESCRIPTION	CASING
2100			
2110		@ 2110' color medium gray - some minor gouge material.	
2120		@ 2120' vein pyrite common, one fragment showed secondary silicification following brecciation. Color is medium light gray with abundant light brownish gray fragments.	
2130			
2140		@ 2140' minor green chlorite.	
2150			
2160		@ 2160' gradual increase in percent of light brownish gray fragments - other fragments medium light gray to medium gray. There seems to be more evidence of crushing of the quartzite conglomerate.	
2170			
2180		@ 2180'-2370' HEMATITIC (?) QUARTZITE CONGLOMERATE	
2190		Approximate top of hematitic (?) zone in the quartzite conglomerate. About 10 to 20% of fragments are hematite (?) material present as grayish red finely laminated micaceous material which is friable. The remaining 80-90% of fragments are quartzite conglomerate. Acid showed some minor gouge material to be carbonate. No evidence of sulfides.	
2200		@ 2190' hematitic material grayish red to dark reddish brown.	
2210		@ 2200' same as 2180' except 30-40% hematitic material.	
2220		@ 2210' about 10% hematitic material.	
2230		@ 2220' same as 2190'.	
2240		@ 2230'-2240' about 80% hematitic material.	
2250			












LITHOLOGIC LOG

PROJECT McCoy HOLE NO. 66-8
 LOCATION Churchill County, Nevada COLLAR EL. 5795 feet
 COMPANY AMAX - O'Brien Resources TOTAL DEPTH 2510 feet
 CONTRACTOR Anderson Drilling SPUDED 10/30/79 FINISHED 3/16/80
 LOGGED BY Eugene V. Ciancanelli

DEPTH	LITHOLOGY	DESCRIPTION	CASING
2250		@ 2250' about 50% hematitic material.	
2260		@ 2260' about 20-30% hematitic material grayish red - also abundant pale red fragments.	
2270		@ 2270' same as 2250'.	
2280		@ 2280' about 50% grayish red hematitic material.	
2290		@ 2290' about 10-20% hematitic material.	
2300		@ 2300'-2310' 5% grayish red hematitic material - the rest is pale red sugary textured quartzite fragments with minor sulfides.	
2310		@ 2320' more white quartzite fragments now present.	
2320		@ 2330'-2360' 5% grayish red hematitic quartzite, 20% pale red quartzite, 75% pinkish gray to white quartzite, minor sulfides.	
2330		@ 2370' - QUARTZITE CONGLOMERATE	
2340		Sample is white quartzite with some fault gouge fragments.	
2350			
2360			
2370			
2380			
2390			
2400			

LITHOLOGIC LOG

PROJECT McCoy HOLE NO. 66-8
 LOCATION Churchill County, Nevada COLLAR EL. 5795 feet
 COMPANY AMAX - O'Brien TOTAL DEPTH 2510 feet
 CONTRACTOR Anderson Drilling SPUDDED 10/30/79 FINISHED 3/16/80
 LOGGED BY Eugene V. Ciancanelli to 2410' - Chris Tower below 2410' to T.D.

DEPTH	LITHOLOGY	DESCRIPTION	CASING
2400			
2410		2410' to 2420' white quartzite w/ occasional hematite, minor sulfides, slightly calcareous.	
2420		2420' to 2510' 50% white quartzite, 50% hematite and hematized quartzite w/ opalescent coatings on some grains.	
2430			
2440		2440' slightly calcareous.	
2450			
2460			
2470		2470' decrease in hematite, white quartzite 65%, hematite 15%, hematized quartzite 20%, cuttings are large.	
2480			
2490			
2500			
2510			

ΔT Well No. 66-8

Property-Project Mc Coy Depth Logged 755 m
 Map Shoshone Meadows Scale 15' Date: Drilled 31/3/80 Logged 30/6/80
 State Nevada County Churchill of of NW of SE of Sec 8 T22N R40E
 Instrument EnviroLab Probe Operator CT & DP Elevation 5795 (ft/m)
 Comments 3" pipe H₂O at ±200 meters

COPY

RT JUSTIFY

Date Logged

Proj No	Well No	DA	MO	YR	*
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	*19-Write F if Fahrenheit, 20				
864	66-830	6	80	C	M

Site Description

Operator	Editor	DA	MO	YR			
21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68							
3.5 km SSE	HOLE in wall	well	CT	DP	31	3	80

(Approx. location, water well?, oil test?, etc.)

Map Location * *

Scale Unit

IN	CM	Map Size (7.5, 15, 60)	N Lat Degree	Min	Degree	Min	**
21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50	Measure from SW corner of map; except AMS sheets measure from bottom center degree mark (W,-)(E,+)						
2m	15.	39.	45.0	117.	45.0	Use decimals	

Northing

Easting	Elev	
51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80		
6.3	34.1	5795.

Write M if meters

Use decimals

Segment 1 = Depths

Start	End	Conductivity K	ΔK	Best cond. (-K)	Downward extrapolations (-ΔK)
21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50					

Segment 2

Start	End	K	ΔK	
51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80				

Segment 3

Segment 4

Segment 5

Segment 6

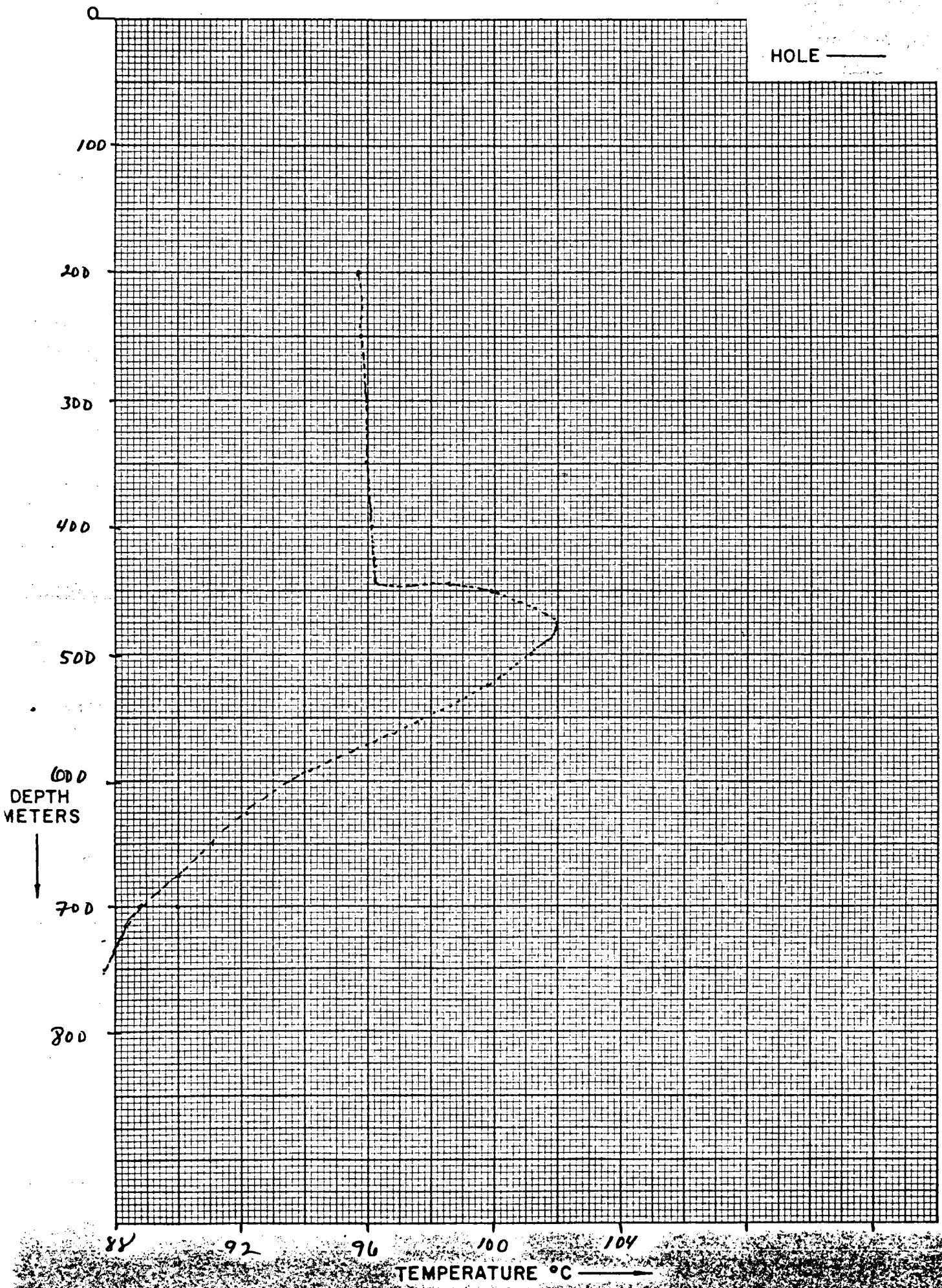
Segment 7

Segment 8

Segment 9

Segment 10

After final segment Start = .999



Date Logged: 30/6/80

ΔT Well No. 06-8

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H ₂ O Air	Lithology, etc.
200		95.7					
5		95.7					
10		95.7					
15		95.8					
20		95.8					
25		95.8					
30		95.8					
35		95.8					
40		95.8					
45		95.8					
250		95.8					
55		95.9					
60		95.7					
65		95.9					
70		95.9					
75		95.9					
80		95.9					
85		95.9					
90		95.9					
95		95.9					
300		96.0					
5		96.0					
10		96.0					
15		96.0					
20		96.0					
25		96.0					
30		96.0					

K=Conductivity

Date Logged: _____

ΔT Well No. 66-8

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H ₂ O Air	Lithology, etc.
335		96.0					
40		96.0					
45		96.0					
50		96.0					
55		96.0					
60		96.0					
65		96.1					
70		96.1					
75		96.1					
80		96.1					
85		96.1					
90		96.1					
95		96.1					
400		96.1					
5		96.1					
10		96.1					
15		96.1					
20		96.1					
25		96.2					
30		96.2					
35		96.2					
40		97.4					
45		98.6					
50		99.9					
55		100.6					
60		101.3					
65		101.6					

K=Conductivity

Date Logged: _____

ΔT Well No. 66-8

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H ₂ O Air	Lithology, etc.
470		101.9					
75		102.0					
80		102.0					
85		101.8					
90		101.6					
95		101.4					
500		101.2					
5		101.0					
10		100.8					
15		100.4					
20		100.1					
25		99.8					
30		99.3					
35		98.8					
40		98.5					
45		98.0					
50		97.7					
55		97.1					
60		96.7					
65		96.4					
70		96.0					
75		95.5					
80		95.0					
85		94.6					
90		94.3					
95		93.9					
600		93.5					

K=Conductivity

Date Logged: _____

ΔT Well No. 66-8

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H ₂ O Air	Lithology, etc.
605		93.2					
10		92.9					
15		92.9					
20		92.4					
25		92.2					
30		92.1					
35		91.8					
40		91.6					
45		91.3					
50		91.1					
55		90.9					
60		90.7					
65		90.5					
70		90.2					
75		90.0					
80		89.8					
85		89.5					
90		89.3					
95		89.1					
700		88.8					
5		88.7					
10		88.4					
15		88.3					
20		88.3					
25		88.2					
30		88.1					
35		88.0					

K=Conductivity

Date Logged: _____

ΔT Well No. 66-8

TD

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H ₂ O Air	Lithology, etc.
740		87.8					
45		87.7					
50		87.5					
55		87.5					

K=Conductivity














LITHOLOGIC LOG

PROJECT McCoy HOLE NO. 66-8
 LOCATION Churchill County, Nevada COLLAR EL. 5795 feet
 COMPANY AMAX - O'Brien Resources TOTAL DEPTH 2510 feet
 CONTRACTOR American Geothermal Drilling SPUDDED 10/30/79 FINISHED 3/16/80
 LOGGED BY Jim Gross

DEPTH	LITHOLOGY	DESCRIPTION	CASING
0 10 20 30 40 50 60 70 80 90 100 110 120 130 140	TUFF ? NO SAMPLE	<p>0-90' No samples - samples supposed to have been collected but not in storage room. During the drilling operations conducted by American Geothermal Drilling (0-800 feet) the samples were not collected as accurately as they were by Anderson Drilling (800-2510 feet). There is some question regarding whether all samples in the interval 0-800 feet were labeled properly. 0-90' Some samples of questionable origin probably from this interval were Tuff.</p> <p>90' to approximately 660' TUFF euhedral sanidine, euhedral magnetite, euhedral phlogopite and biotite, aphanitic groundmass is grayish orange pink to white. Probably latitic composition. 90% of material aphanitic to pumiceous xlts < 1 mm.</p> <p>@ 120' euhedral biotite inside clear sanidine.</p> <p>@ 130' oxidized magnetite, first indication of green alteration.</p>	


LITHOLOGIC LOG

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 LOGGED BY Jim Gross

DEPTH	LITHOLOGY	DESCRIPTION	CASING
150		@ 150' anhedral white sodic (albite) feldspar intergrown with groundmass.	
160			
170			
180			
190			
200			
210			
220			
230			
240			
250		@ 250' no sanidine, 100% orange pink aphanitic, some biotite.	
260		@ 260' minor sanidine & biotite.	
270		@ 270-280' no sample.	
280	NO SAMP.		
290			

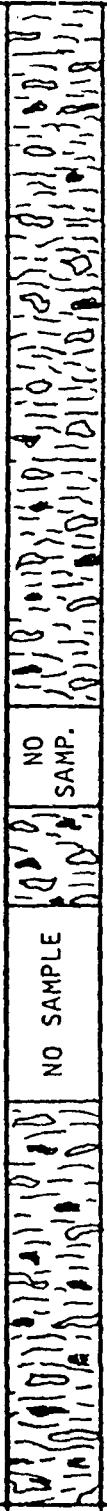
LITHOLOGIC LOG

PROJECT McCoy HOLE NO. 66-8
 LOCATION Churchill County, Nevada COLLAR EL. 5795 feet
 COMPANY AMAX - O'Brien Resources TOTAL DEPTH 2510 feet
 CONTRACTOR American Geothermal Drilling SPUDED 10/30/79 FINISHED 3/16/80
 LOGGED BY Jim Gross

DEPTH	LITHOLOGY	DESCRIPTION	CASING
300 310 320 330 340 350 360 370 380 390 400 410 420 430 440 450		<p>@ 340' 90% of material is now white and aphanitic.</p> <p>@ 350' same as 340' with orange yellow stain.</p> <p>@ 360' same as 350' mostly white, very few sanidine xls, yellow stain.</p> <p>@ 390' same as 360', trace sphalerite.</p> <p>@ 400' note: coatings seen on and through aphanitic cuttings.</p> <p>@ 410' same, less orange & yellow, faint purple color to some fragments and HgS(?).</p> <p>@ 420' purple color zone - orange & yellow color back.</p> <p>@ 440' concentrations of yellow mineral on rotted, altered feldspar (sanidine).</p>	

LITHOLOGIC LOG

PROJECT McCoy HOLE NO. 66-8
 LOCATION Churchill County, Nevada COLLAR EL. 5795 feet
 COMPANY AMAX - O'Brien Resources TOTAL DEPTH 2510 feet
 CONTRACTOR American Geothermal Drilling SPUDDED 10/30/79 FINISHED 3/16/80
 LOGGED BY Jim Gross

DEPTH	LITHOLOGY	DESCRIPTION	CASING	
450				
460				
470				
480				
490				
500				
510				
520			520'-530' No sample	
530		NO SAMP.	530'-540' same as @ 510-520'	
540			540'-560' No sample	
550	NO SAMPLE			
560				
570		@ 570' reappearance of green celadonite & prominent black biotite to 1 mm.		
580		@ 580' same as 570'		
590		@ 590' significant steel chips		
600		@ 600' same as above, noticeable amounts < 10% fine grained material (not all volcanic now).		

8 5/8"
@
488'

LITHOLOGIC LOG

PROJECT McCoy HOLE NO. 66-8
 LOCATION Churchill County, Nevada COLLAR EL. 5795 feet
 COMPANY AMAX - O'Brien TOTAL DEPTH 2510 feet
 CONTRACTOR American Geothermal Drilling SPUDED 10/30/79 FINISHED 3/16/80
 LOGGED BY Jim Gross to 700' - Eugene V. Ciancanelli below 700'

DEPTH	LITHOLOGY	DESCRIPTION	CASING
600		600'-650' No sample	
610			
620			
630	NO SAMPLE		
640	NO SAMPLE		
650	NO SAMPLE	650'-660' first appearance of cherty or fine grained quartzite material, light brown color. This could be xenoliths in tuff.	
660	NO SAMPLE	660'-680' No sample	
670	NO SAMPLE	NOTE: Sample recovery in this portion of hole was poor. Also sample collection and labeling by American Geothermal Drilling was not properly performed and some samples mislabeled.	
680	NO SAMPLE	The actual contact between tuff and limestone was probably at about 725 feet. Check gamma log as tuffs much more radioactive than limestone. Check temperature and S.P. logs in this interval also.	
690	NO SAMPLE		
700	NO SAMPLE	700'-725' approx. TUFF	
710	NO SAMPLE	Overall color of fine powdery cuttings, light brownish gray with dark and light colored fragments including shades of red, brown, black, white & gray rock and xl fragments. The section is probably interbedded tuffs with some welded zones. Sulfides present as pyrite.	
720	NO SAMPLE		
730	NO SAMPLE	725' to 777' BLACK LIMESTONE? Check this rock type for positive identification. Unknown black rock possibly limestone, partially effervesces in HCl acid, some shiny black xl faces seen. Should check in case economic minerals present, possibly carbon or manganese. Formation of shiny black scum on water surface when samples washed. Sulfides also present.	
740	NO SAMPLE		
750	NO SAMPLE		

ALL SAMPLES IN THIS INTERVAL COULD BE MISLABELED

6 5/8"
@
704'

LITHOLOGIC LOG

PROJECT McCoy HOLE NO. 66-8
 LOCATION Churchill County, Nevada COLLAR EL. 5795 feet
 COMPANY AMAX - O'Brien Resources TOTAL DEPTH 2510 feet
 CONTRACTOR American Geothermal (to 800') Anderson SPUDED 10/30/79 FINISHED 3/16/80
 LOGGED BY Eugene V. Ciancanelli Drilling (below 800')

DEPTH	LITHOLOGY	DESCRIPTION	CASING
<p>750</p> <p>760</p> <p>770</p> <p>780</p> <p>790</p> <p>800</p> <p>810</p> <p>820</p> <p>830</p> <p>840</p> <p>850</p> <p>860</p> <p>870</p> <p>880</p> <p>890</p> <p>900</p>		<p>775'-790' SANDSTONE - CALCAREOUS Sandstone, medium dark gray, fine grained, sulfides present, calcareous SS.</p> <p>@ 790' becomes darker in color and more like the unknown rock in 730-775 interval. It is possible that the black rock is a limestone.</p> <p>790'-1020' LIMESTONE Limestone - dark gray N3, sulfides & calcite veins both present, but sulfides less common in limestone below 790' than higher in hole.</p> <p>@ 800' Anderson Drilling Co. began sampling and samples are correct below 800 feet.</p> <p>@ 840' becomes like interval 730'-775' then gradually downward changes to interval 790' type limestone.</p>	

LITHOLOGIC LOG

SHEET 7 OF 17

PROJECT McCoy HOLE NO. 66-8
 LOCATION Churchill County, Nevada COLLAR EL. 5795 feet
 COMPANY AMAX - O'Brien Resources TOTAL DEPTH 2510 feet
 CONTRACTOR Anderson Drilling SPUDED 10/30/79 FINISHED 3/16/80
 LOGGED BY Eugene V. Ciancanelli

DEPTH	LITHOLOGY	DESCRIPTION	CASING
<p>900</p> <p>910</p> <p>920</p> <p>930</p> <p>940</p> <p>950</p> <p>960</p> <p>970</p> <p>980</p> <p>990</p> <p>1000</p> <p>1010</p> <p>1020</p> <p>1030</p> <p>1040</p> <p>1050</p>	<p>The lithologic column shows a sequence of rock units. From 900 feet to approximately 1020 feet, the rock is represented by a brick-like pattern, indicating limestone. From 1020 feet to 1050 feet, the rock is represented by a dotted pattern, indicating sandstone or conglomerate. The boundary between the limestone and sandstone is at approximately 1020 feet.</p>	<p>@ about 980' limestone becoming sandy toward bottom of interval.</p> <p>1020'-1040' SANDSTONE Sandstone, medium dark gray, medium to fine grained poorly sorted, sulfides again present after being virtually absent in the interval 790'-1020'. The grain size gradually coarsens downward until becoming a conglomerate at 1040'.</p> <p>1040'-1060' CONGLOMERATE OR COARSE SANDSTONE except for coarser grain size same as 1020-1040'.</p>	<p></p>

LITHOLOGIC LOG

PROJECT McCoy HOLE NO. 66-8
 LOCATION Churchill County, Nevada COLLAR EL. 5795 feet
 COMPANY AMAX - O'Brien Resources TOTAL DEPTH 2510 feet
 CONTRACTOR Anderson Drilling SPUDED 10/30/79 FINISHED 3/16/80
 LOGGED BY Eugene V. Ciancanelli

DEPTH	LITHOLOGY	DESCRIPTION	CASING
1050		Veinlets of sulfide probably mostly pyrite.	
1060		1060'-1080' SANDSTONE Sandstone same as interval 1020'-1040'	
1070			
1080		1080'-1240' CONGLOMERATE OR COARSE SANDSTONE Probably coarse sandstone, veins of sulfides as pyrite.	
1090			
1100			
1110		@ 1100' becomes lighter colored to medium gray N5.	
1120			
1130			
1140			
1150			
1160		<p style="text-align: right;">1700 ~ 2.67 2:20 ~ 2.67</p>	
1170			
1180			
1190			
1200			

LITHOLOGIC LOG

PROJECT McCoy HOLE NO. 66-8
 LOCATION Churchill County, Nevada COLLAR EL. 5795 feet
 COMPANY AMAX - O'Brien Resources TOTAL DEPTH 2510 feet
 CONTRACTOR Anderson Drilling SPUDDED 10/30/79 FINISHED 3/16/80
 LOGGED BY Eugene V. Ciancanelli

DEPTH	LITHOLOGY	DESCRIPTION	CASING
1200 1210 1220 1230 1240 1250 1260 1270 1280 1290 1300 1310 1320 1330 1340 1350		<p>The grain size has been becoming less coarse so that by 1220' there is more of medium to fine grained sandstone.</p> <p>@ 1230' begin to get some light gray N7 quartzite fragments.</p> <p>1240'-2180' CONGLOMERATIC QUARTZITE Medium dark gray N5 pebbles & cobbles in a Medium light gray N6 matrix sulfides present as pyrite. The pebbles all are the same light gray to medium dark gray quartzite with the matrix being the light gray color. The pebbles are rounded.</p>	

LITHOLOGIC LOG

PROJECT McCOY HOLE NO. 66-8
 LOCATION Churchill County, Nevada COLLAR EL. 5795 feet
 COMPANY AMAX - O'Brien Resources TOTAL DEPTH 2510 feet
 CONTRACTOR Anderson Drilling SPUDDED 10/30/79 FINISHED 3/16/80
 LOGGED BY Eugene V. Ciancanelli

DEPTH	LITHOLOGY	DESCRIPTION	CASING
<p>1350</p> <p>1360</p> <p>1370</p> <p>1380</p> <p>1390</p> <p>1400</p> <p>1410</p> <p>1420</p> <p>1430</p> <p>1440</p> <p>1450</p> <p>1460</p> <p>1470</p> <p>1480</p> <p>1490</p> <p>1500</p>		<p>@ 1370' increase in pyrite.</p> <p>@ about 1440' unit becomes somewhat more sandy.</p>	

LITHOLOGIC LOG

PROJECT McCoy HOLE NO. 66-8

LOCATION Churchill County, Nevada COLLAR EL. 5795 feet

COMPANY AMAX - O'Brien Resources TOTAL DEPTH 2510 feet

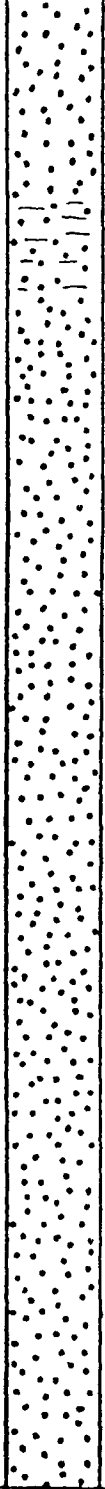
CONTRACTOR Anderson Drilling SPUDED 10/30/79 FINISHED 3/16/80

LOGGED BY Eugene V. Ciancanelli

DEPTH	LITHOLOGY	DESCRIPTION	CASING
<p>1500</p> <p>1510</p> <p>1520</p> <p>1530</p> <p>1540</p> <p>1550</p> <p>1560</p> <p>1570</p> <p>1580</p> <p>1590</p> <p>1600</p> <p>1610</p> <p>1620</p> <p>1630</p> <p>1640</p> <p>1650</p>		<p>@ 1520' color gradually darkened down to 1620' and then became lighter to medium gray to medium light gray. At this point it is again becoming a conglomerate and less sandy.</p> <p>@ 1550' cuttings became very fine and brown mud was a large portion of the sample. Occasional sample of fault gouge. This continues to about 1620'.</p> <p>@ 1620' QUARTZITE CONGLOMERATE Quartzite, relict pebble outlines, light gray N7.</p>	

LITHOLOGIC LOG

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 LOGGED BY Eugene V. Ciancanelli

DEPTH	LITHOLOGY	DESCRIPTION	CASING
1650		<p>@ 1650' began to get light brownish gray colored quartzite. Sulfides fairly abundant.</p>	
1660			
1670		<p>@ 1670' began to get dark reddish brown cuttings with micaeous foliated texture, possibly this is hematitic quartzite. These cuttings are 15% of sample.</p>	
1680		<p>@ 1680' same as above 1670' - sulfides other than pyrite possibly present. Some fault gouge cuttings. The cuttings are light gray N7 in color.</p>	
1690			
1700			
1710			
1720			
1730		<p>@ 1730' same as at 1650'</p>	
1740		<p>@ 1740' same as at 1680'</p>	
1750			
1760			
1770			
1780			
1790			
1800			

LITHOLOGIC LOG

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 LOCATION Churchill County, Nevada COLLAR EL. 5795 feet
 COMPANY AMAX - O'Brien Resources TOTAL DEPTH 2510 feet
 CONTRACTOR Anderson Drilling SPUDED 10/30/79 FINISHED 3/16/80
 LOGGED BY Chris Tower (1800' to 1880') - Eugene V. Ciancanelli (below 1880')

DEPTH	LITHOLOGY	DESCRIPTION	CASING
1800 1810 1820 1830 1840 1850 1860 1870 1880 1890 1900 1910 1920 1930 1940 1950		<p>@ 1800' white quartzite w/ abundant pyrite and other sulfides minor about 5% reddish quartzite probably hematized.</p> <p>@ 1830' white quartzite no hematized chips, some quartzite is red stained probably along fractures, decrease in sulfides.</p> <p>@ 1880' quartz pebble fragments from quartzite conglomerate, fine grained, medium light gray N6, minor light brownish gray fragments, abundant sulfides, euhedral pyrite < 0.5 mm grains and as seams and coatings. Some pyrite oxidized to yellowish brown.</p> <p>@ 1890' slightly less sulfides; light N7 to medium light gray N6 color.</p> <p>@ 1930' to 1980' some white crushed fault gouge with slicken sides.</p>	












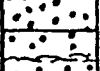
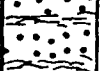
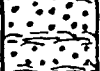

LITHOLOGIC LOG

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 COMPANY AMAX - O'Brien Resources TOTAL DEPTH 2510 feet
 CONTRACTOR Anderson Drilling SPUDDED 10/30/79 FINISHED 3/16/80
 LOGGED BY Eugene V. Ciancanelli

DEPTH	LITHOLOGY	DESCRIPTION	CASING
1950			
1960		@ 1960' sulfides decreasing.	
1970			
1980		@ 1980' gouge material reappears.	
1990		@ 1990' darkening in color to medium gray and medium dark gray.	
2000		@ 2000' sulfides rare.	
2010		@ 2010' color light gray to medium light gray.	
2020		@ 2020' some chips big enough to see pebble outlines.	
2030		@ 2030' sulfides increasing.	
2040		@ 2040' minor light brownish gray colored fragments.	
2050			
2060		@ 2060' - 2080' sulfides rare.	
2070			
2080			
2090		@ 2090'-2100' minor sulfides, plus minor light brownish gray fragments.	
2100			

















LITHOLOGIC LOG

PROJECT McCoy HOLE NO. 66-8
 LOCATION Churchill County, Nevada COLLAR EL. 5795 feet
 COMPANY AMAX - O'Brien Resources TOTAL DEPTH 2510 feet
 CONTRACTOR Anderson Drilling SPUDED 10/30/79 FINISHED 3/16/80
 LOGGED BY Eugene V. Ciancanelli

DEPTH	LITHOLOGY	DESCRIPTION	CASING
2100			
2110		@ 2110' color medium gray - some minor gouge material.	
2120		@ 2120' vein pyrite common, one fragment showed secondary silicification following brecciation. Color is medium light gray with abundant light brownish gray fragments.	
2130			
2140		@ 2140' minor green chlorite.	
2150			
2160		@ 2160' gradual increase in percent of light brownish gray fragments - other fragments medium light gray to medium gray. There seems to be more evidence of crushing of the quartzite conglomerate.	
2170			
2180		@ 2180'-2370' HEMATITIC (?) QUARTZITE CONGLOMERATE	
2190		Approximate top of hematitic (?) zone in the quartzite conglomerate. About 10 to 20% of fragments are hematite (?) material present as grayish red finely laminated micaceous material which is friable. The remaining 80-90% of fragments are quartzite conglomerate. Acid showed some minor gouge material to be carbonate. No evidence of sulfides.	
2200		@ 2190' hematitic material grayish red to dark reddish brown.	
2210		@ 2200' same as 2180' except 30-40% hematitic material.	
2220		@ 2210' about 10% hematitic material.	
2230		@ 2220' same as 2190'.	
2240		@ 2230'-2240' about 80% hematitic material.	
2250			











LITHOLOGIC LOG

PROJECT McCoy HOLE NO. 66-8
 LOCATION Churchill County, Nevada COLLAR EL. 5795 feet
 COMPANY AMAX - O'Brien Resources TOTAL DEPTH 2510 feet
 CONTRACTOR Anderson Drilling SPUDED 10/30/79 FINISHED 3/16/80
 LOGGED BY Eugene V. Ciancanelli

DEPTH	LITHOLOGY	DESCRIPTION	CASING
2250		@ 2250' about 50% hematitic material.	
2260		@ 2260' about 20-30% hematitic material grayish red - also abundant pale red fragments.	
2270		@ 2270' same as 2250'.	
2280		@ 2280' about 50% grayish red hematitic material.	
2290		@ 2290' about 10-20% hematitic material.	
2300		@ 2300'-2310' 5% grayish red hematitic material - the rest is pale red sugary textured quartzite fragments with minor sulfides.	
2310			
2320		@ 2320' more white quartzite fragments now present.	
2330		@ 2330'-2360' 5% grayish red hematitic quartzite, 20% pale red quartzite, 75% pinkish gray to white quartzite, minor sulfides.	
2340			
2350			
2360			
2370		@ 2370' - QUARTZITE CONGLOMERATE Sample is white quartzite with some fault gouge fragments.	
2380			
2390			
2400			

LITHOLOGIC LOG

PROJECT McCoy HOLE NO. 66-8
 LOCATION Churchill County, Nevada COLLAR EL. 5795 feet
 COMPANY AMAX - O'Brien TOTAL DEPTH 2510 feet
 CONTRACTOR Anderson Drilling SPUNDED 10/30/79 FINISHED 3/16/80
 LOGGED BY Eugene V. Ciancanelli to 2410' - Chris Tower below 2410' to T.D.

DEPTH	LITHOLOGY	DESCRIPTION	CASING
2400			
2410		2410' to 2420' white quartzite w/ occasional hematite, minor sulfides, slightly calcareous.	
2420		2420' to 2510' 50% white quartzite, 50% hematite and hematized quartzite w/ opalescent coatings on some grains.	
2430		2440' slightly calcareous.	
2440		2470' decrease in hematite, white quartzite 65%, hematite 15%, hematized quartzite 20%, cuttings are large.	
2450			
2460			
2470			
2480			
2490			
2500			
2510	