

AMAX EXPLORATION, INC.  
TEMPERATURE/DEPTH LOG

AT Well No. 1191-35

Property-Project Fish Lake Depth Logged 51m  
 Map Davis Mtn Scale 15'' Date: Drilled 8/26/82 Logged 9/23/82  
 State NV County Esmeralda, of SW of SW of SW of Sec 32 T N R 36E  
 Instrument Spafford 26 Operator JED Elevation 5200 (ft)  
 Comments 4 3/4" AT hole, drilled dry, Measurements in 3/4" H<sub>2</sub>O  
Filled PVC, backfilled around pipe.

JUSTIFY

Card A

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			
1191	3523	9	8	82

\*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
MI S. OF GAP SPG	JED	JED	26	8 82

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

Card B

Scale Unit

Map Location \*\*

Map Size (7.5, 15, 60)

N Lat Degree Min Degree Min \*\*

W Long Degree Min \*\*

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

Scale Unit	Map Size	N Lat Degree	N Lat Min	N Lat Degree	N Lat Min	W Long Degree	W Long 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	15.0	37.4	5.0	118.3	15.0		

Use decimals

Northing

Easting

Elev

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
27.8	34.8	5200.0

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	
10	26		

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	
26	S/-3.7	-0.5	

Segment 3

Segment 4

Segment 5

Segment 6

Segment 7

Segment 8

Segment 9

Segment 10

After final segment Start = .999

HOLE 1191-35

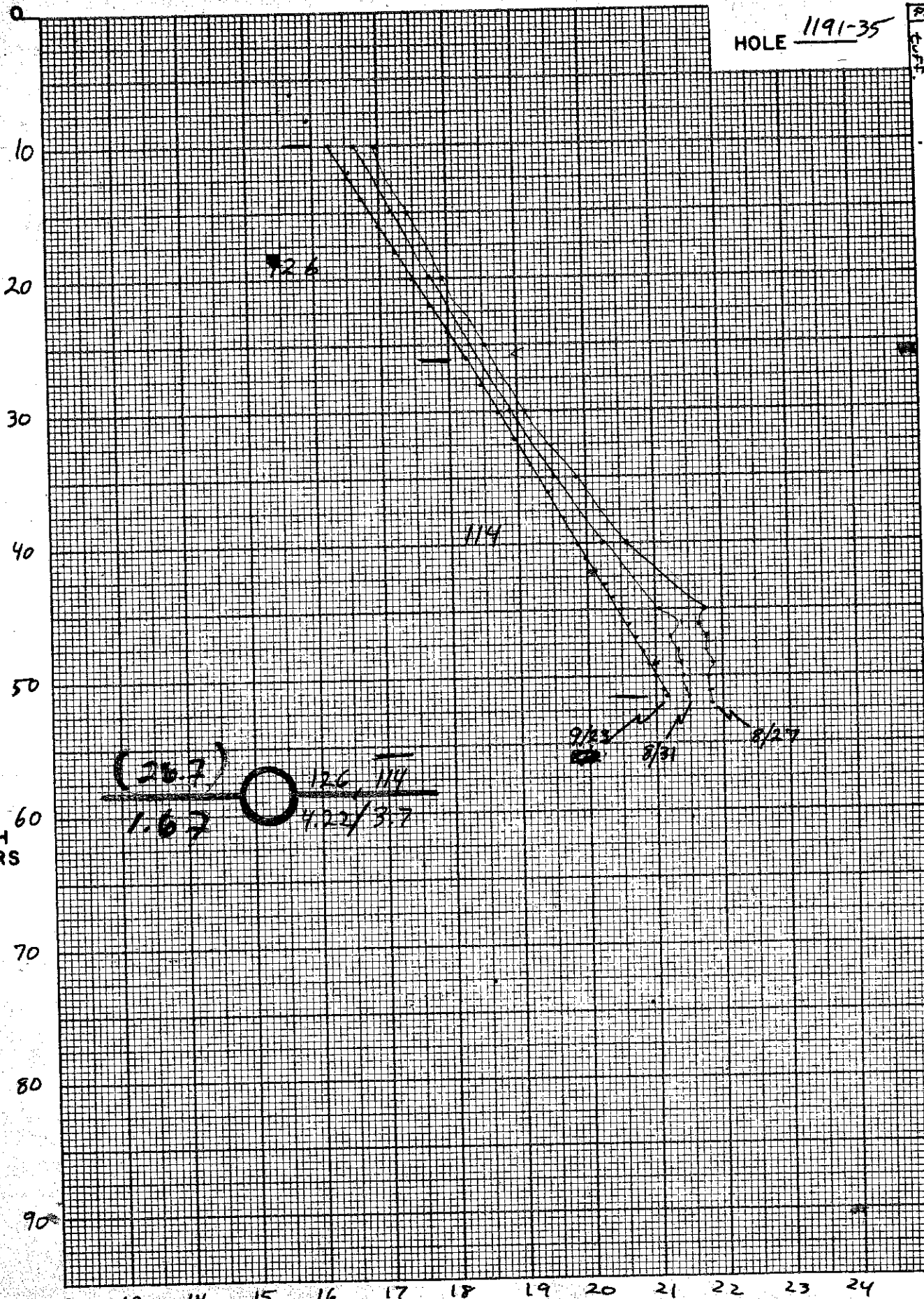
Welded  
lithic  
tuff

X1 lithic tuff

Dry to TD

DEPTH METERS

TEMPERATURE °C



(26.7)  
1.67

126 114  
4.22/3.7

9/23  
8/31  
8/27

114

126

Cable .0931

Leak

Date Logged: 9/23/82 $\Delta T$  Well No. 1191-35

Depth (meters)	Instr. Reading	Temp. °C	$\Delta T$	Grad. °C/km	K (Est.)	H <sub>2</sub> O Air	Lithology, etc.
6	121.29	15.69	0.24	120			
8	120.27	15.93	0.31	155			
10	119.03	16.24	0.30	150			
12	117.79	16.54	0.20	100			
14	117.01	16.74	0.25	125			
16	115.99	16.99	0.24	120			
18	115.00	17.23	0.26	130			
20	113.99	17.49	0.26	130			
22	112.95	17.75	0.26	130			
24	112.02	17.99	0.26	130			
26	110.98	18.25	0.23	115			
28	110.11	18.48	0.24	120			
30	109.19	18.72	0.22	110			
32	108.34	18.94	0.24	120			
34	107.44	19.18	0.25	125			
36	106.50	19.43	0.23	115			
38	105.61	19.66	0.22	110			
40	104.81	19.88	0.11	110			
41	104.38	19.99	0.13	130			
42	103.90	20.12	0.13	130			
43	103.44	20.25	0.13	130			
44	102.95	20.38	0.13	130			
45	102.48	20.51	0.12	120			
46	102.06	20.63	0.11	110			
47	101.72	20.72	0.08	80			
48	101.45	20.80	0.09	90			
49	101.12	20.89					

K=Conductivity

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## LITHOLOGIC LOG

Project: Fish LakeHole: 1191-35Elevation: 5200Date Drilled: 8/26/82Location: SWSWSW29T1NR36EMethod: rotary/airGeologist: J. Deymonaz

Gamma: \_\_\_\_\_

Depth (m)	Description
0 - 1 (0-0.3)	<u>Sand &amp; Gravel</u> - Angular gravels of welded latitic tuff.
1 - 15 (0.3-4.5)	<u>Crystal Lithic Tuff(Twt)</u> - Nonwelded or badly decomposed, reddish brown, 10-30% crystals of feldspars, biotite rare quartz and magnetite. 20-30% lith and pumice fragments. Small hill 200 feet east of site has 5-10 foot welded cap of same unit capping nonwelded tuff.
15 - 35 (4.5-10.5)	<u>Welded Crystal Lithic Tuff(Twt)</u> - As above except welded.
35 - 65 (10.5-20.0)	<u>Crystal Lithic Tuff(Taf)</u> - Light gray, argillized ash matrix with 10-30% crystals of plagioclase and rare quartz. Lithic fragments of altered pumice and aphanitic flow rock comprise 5-20% of sample. Very soft drilling.
65 -165 (20.0-50.5)	<u>Crystal Lithic Tuff(Taf)</u> - As above except light pink color.
165-170 (50.5-52.0)	<u>Crystal Lithic Tuff(Taf)</u> - As above except harder, possibly welded and light brown. Fracture and L.C. at 165.
170-190 (52.0-58.0)	<u>Crystal Tuff(Taf)</u> - Light gray, poorly consolidated, 5-10% crystals of feldspar and minor quartz. Caving problems in hole. Dry to TD.