

AMAX EXPLORATION, INC.
TEMPERATURE/DEPTH LOG

ΔT Well No. 1191-34

Property-Project Fish Lake Depth Logged 73m

Map Rhyolite Ridge Scale 15 Date: Drilled 8/28/82 Logged 9/23/82

State NV County ESM of NE of SW of NW of Sec 28 T 1N R 36E

Instrument Spafford 26 Operator JED Elevation 4903 (ft/m)

Comments 4 1/2" T hole drilled w/ air. Measurements in 3/4" H₂O
Filled PUC, backfilled around pipe. Hole 34-b drilled 10m SE
of 34-a

Date Logged

JUSTIFY

Card A

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	1 2 3 4 5 6 7 8 9 10	11 12 13 14 15 16 17 18 19 20	1 2 3 4 5 6 7 8 9 10	11 12 13 14 15 16 17 18 19 20
1191	3423	8	28	82	C

*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	61 62 63 64 65 66 67 68	1 2 3 4 5 6 7 8 9 10	11 12 13 14 15 16 17 18 19 20	1 2 3 4 5 6 7 8 9 10
4.5 MI S. OF GAP SPG	JED	JED	28	8	82

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

Map Location **

Scale Unit	Map Size	N Lat	W Long
IN	(7.5, 15, 60)	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	Degree <td>Min</td> <td>Degree</td>	Min	Degree
CM	15.0	37.45	118.0

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

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
29.0 2.654903

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
6 36-3.4 -0.5

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
36 48

Segment 3

48 54

Segment 4

Start →

54 62

Segment 5

62 74

Segment 6

Start →

74 96

Segment 7

999

Segment 8

Start →

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Segment 9

--

Segment 10

Start →

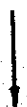
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After final segment Start = .999

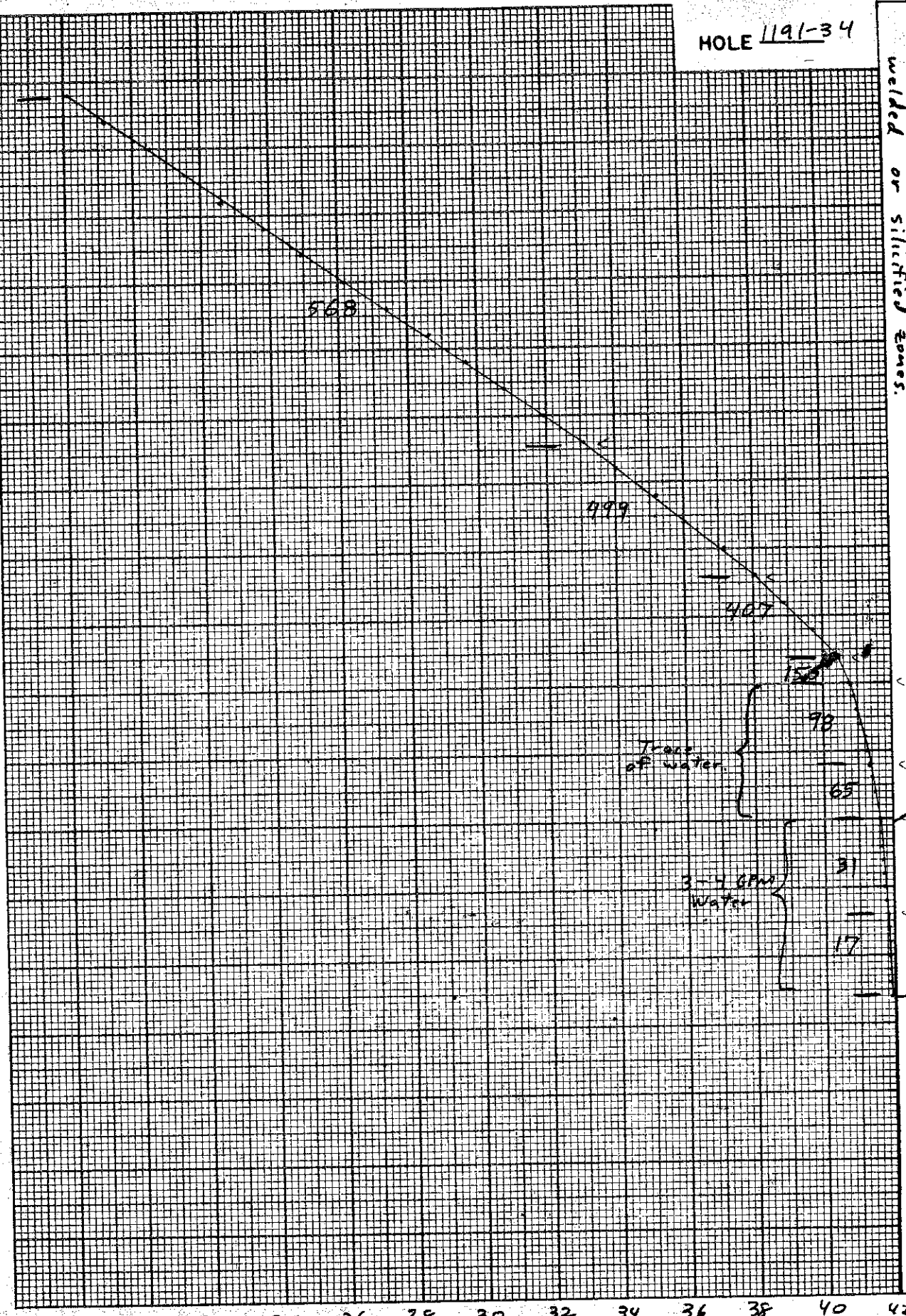
HOLE 1191-34

Lithic x1 tuffs with occasional hard welded or silicified zones.

DEPTH METERS



0
10
20
30
40
50
60
70
80
90



TEMPERATURE °C

H₂O at 60m

27

Cable 0963

Leak

Date Logged: 9/23/82

AT Well No. 1191-34

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H ₂ O Air	Lithology, etc.
6	111.42	18.14					
8	107.39	19.19					
10	102.43	20.52	1.02	504			
12	98.80	21.54	1.05	525			
14	95.12	22.59	1.25	625			
16	90.93	23.84	1.09	545			
18	87.40	24.93	1.29	645			
20	83.40	26.22	1.22	610			
22	79.75	27.44	1.19	595			
24	76.32	28.63	1.05	525			
26	73.43	29.68	1.13	565			
28	70.41	30.81	1.16	580			
30	67.46	31.97	1.16	580			
32	64.60	33.13	0.91	455			
34	62.45	34.04	1.19	595			
36	59.75	35.23	0.79	395			
38	58.00	36.02	1.16	580			
40	55.55	37.18	0.85	425			
42	53.80	38.03	0.86	430			
44	52.10	38.89	0.85	425			
46	50.48	39.74	0.73	365			
48	49.11	40.47	0.31	155			
50	48.56	40.78	0.13	65			
51	48.32	40.91	0.06	60			
52	48.20	40.97	0.08	80			
53	48.06	41.05	0.19	190			
54	47.23	41.24					

K=Conductivity

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CABLE .872
LEAK

Date Logged: 11/4/82

AT Well No. 1191-34-b

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Grad. °C/km	K (Est.)	H ₂ O Air	Lithology, etc.
36							
48	47.91	41.14	0.18	90			
50	47.58	41.32	0.10	50			
52	47.41	41.42	0.12	60			
54	47.20	41.54	0.12	60			
56	46.98	41.66	0.03	15			
58	46.94	41.69	0.01	5			
60	46.91	41.70	0.02	10			
62	46.88	41.72	0.03	15			
64	46.83	41.75	0.06	30			
66	46.72	41.81	0.05	25			
68	46.64	41.86	0.01	5			
70	46.62	41.87	0.00	0			
72	46.61	41.87	0.02	20			
74	46.58	41.89	0.02	10			
76	46.55	41.91	0.00	0			
78	46.54	41.91	0.05	25			
80	46.45	41.96	0.06	30			
82	46.35	42.02	0.03	15			
84	46.30	42.05	-0.01	-5			
86	46.32	42.04	0.04	-20			
88	46.39	42.00	-0.03	-15			
90	46.44	41.97	-0.07	-35			
92	46.55	41.90	-0.01	-5			
94	46.58	41.89	-0.02	-10			
96	46.60	41.87					

K=Conductivity

LITHOLOGIC LOG

Project: Fish Lake

Hole: 1191-34

Elevation: 4910

Date Drilled: 10/20/82

Location: SW 1/4 NW 1/4 S28T1NR36E

Method: rotary air

Geologist: Deymonaz

Gamma: N/A

Depth (ft) (ft) Description

0-103
(0-31)

Lithic Tuff - Light gray to pale pink, 5-15% lith fragments of angular to subrounded hard silicic aphanitic rhyolitic (?) flow rock. 1-5% crystals of clear to white feldspar with lesser amounts of clear broken quartz. Drilled dry to 31m, got very damp at 31m at began foam injection. Hard intervals at 16 and 25m.

103-155

Lithic Tuff - Very similar to above interval except damp and color light yellow-green. Reported H₂S odor 34-40m. Interval firm with hard zone 31-34m and 41-42m.

155-406

Lithic Tuff - Yellow-green, green, occasionally red, firm to hard, composition as above. First significant water encountered at 57m, becoming noticeably warmer from 59-61m, volume increasing with depth to approximately 150 gpm at 124m. After encountering water samples resembled fine sand with most of softer matrix material washed out. Small amount (1-5%) of red chalcedony or jasperoid material in all samples. Hard intervals at 50-51, 62-63, 73-75m. Green seladinite from 95-110 and 113-124m comprises 30% of sample at 110m.