

LITHOLOGIC LOG

Project: Alum

Hole: AL-2 = 1186-4

Elevation: 5158'

Date Drilled: 4.4.81 7:45 AM - 11:30 AM

Location: SE NW S 28 T 1 N R 38 1/2 E

Method: Rotary

Geologist: Frank Dellechiaie

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

Depth (m)	Description
0 - 6.1	Alluvium
6.1-48.7	Tan to white siltstone and sandstone 140'/hr
48.7-71.6	Black, green quartzite hematite staining, limonite, very hard 150'/hr, dry to bottom

LITHOLOGIC LOG

Project: Alum

Hole: AL-5 1186-S

Elevation: 4895'

Date Drilled: 4.14.81

Location: NENW 517 T IN R38 1/2 E

Method: Rotary

Geologist: Frank Dellechaie

Gamma:

Depth (m)	Description
0-25.9	Claystone (moist) light tan thinly bedded
25.9-53.3	Same except gray color, hammered quickly, dry to bottom

LITHOLOGIC LOG

Project: Alum

Hole: AL-8 1186-9

Elevation: 4822'

Date Drilled: 4.15.81

Location: SESU S14 TIN R38E

Method: Rotary

Geologist: Frank Dellechiaie

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

Depth (m) Description

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0-48.8

Alluvium, 90% lithic fragments  
10% clay, 1-10mm subangular quartz, shale, quartzite  
water (10gpm) 115'

LITHOLOGIC LOG

Project: Alum  
 Hole: AL-9 = 1186-10

Elevation: 4860 Date Drilled: 4.10.81

Location: SESW S24 T1N R38E Method: Rotary

Geologist: Frank Dellechaie Gamma: \_\_\_\_\_

Depth (m)	Description
0-3.0	Alluvium
3.0-33.5	Tan siltstone and claystone
33.5-62.5	Gray-blue siltstone with claystone, poor returns after 170 connections poor below 185, slow drill rate, 30% clay overall



LITHOLOGIC LOG

Project: Alum

Hole: AL-12 = 1186-12

Elevation: 4973

Date Drilled: 4.10.81

Location: SW SE S 31 T 14 R 30 1/2 E

Method: Rotary

Geologist: Frank Dellechiaie

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

Depth (m)	Description
0-3.0	Alluvium
3.0-67.0	Varying colored siltstone and claystone Tan, brown, gray, several thin clay beds  25% clay overall

LITHOLOGIC LOG

Project: Alum

Hole: AL-14 = 1156-14

Elevation: 5040

Date Drilled: 4.5.81 4:30PM - 9:30 PM

Location: SW 1/4 S32 T1N R38E

Method: Rotary

Geologist: Frank Dellechiaie

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

Depth (m) Description

0-6.1

Alluvium

6.1-71.6

Brown, tan and gray siltstone with several 2' clay beds  
20% clay overall, dry to bottom

broke forward drive shaft

LITHOLOGIC LOG

Project: Alum

Hole: AL-16 = 7186-15

Elevation: 4920'

Date Drilled: 4.11.81

Location: NE SW S30 TIN R38 1/2 E

Method: Rotary

Geologist: Frank Dellechaie

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

Depth (m)	Description
0 - 3.0	Alluvium
3.0-65.5	Tan siltstone, very hard silicified conglomerate with clasts of phylites, quartzite, 150'/hr, dry to bottom



LITHOLOGIC LOG

Project: Alum

Hole: AL-19 = 1186-16

Elevation: 4840' Date Drilled: 4.14.81

Location: NE SW S18 T1N R30 1/2 E Method: Rotary

Geologist: Frank Dellechiaie Gamma: \_\_\_\_\_

Depth (m) Description

0-16.8

Tan claystone thinly bedded, pebble conglomerate with quartz and various lithic fragments 2-5mm, interbedded with green silicious claystone, dry to bottom

LITHOLOGIC LOG

Project: Alum

Hole: AL-21 = 1186-17

Elevation: 5185

Date Drilled: 4.3.81 11:00AM - 5:30 PM

Location: NENE 519 TIN R39E

Method: Rotary

Geologist: Frank Dellechaie

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

Depth (m)	Description
0-12.2	Alluvium
12.2-45.7	Tan siltstone
45.7-67.1	Gray siltstone and clay beds, very slow drill rate, dry to bottom

LITHOLOGIC LOG

Project: Alum  
 Hole: AL-23 = 1186-18

Elevation: 5400

Date Drilled: 4.2.81 4:00 PM - 11:00 AM

Location: NW NW 529 T1N R39E

Method: Rotary

Geologist: Frank Dellechaie

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

Depth (m)	Description
0-12.2	Tan siltstone 30'/hr
12.2-60.0	Tan to white siltstone 60'/hr
60.9-71.6	Gray 20% clay overall, very uniform except color

LITHOLOGIC LOG

Project: Alum

Hole: AL-25 = 1189-19

Elevation: 5734

Date Drilled: 4.2.81 8:30 AM to 2:00 PM

Location: SW SW S32 T1 N R39 E

Method: Rotary

Geologist: Frank Dellechaie

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

Depth (m) Description

0-71.6

Esmeralda Fm  
Tan to gray siltstone with 20% clay overall,  
slow drill rate, dry to bottom

LITHOLOGIC LOG

Project: Alum

Hole: AL-26 = 1186-20

Elevation: 5700

Date Drilled: 4.4.81 12:00AM - 3:30 PM

Location: SE NW 533 T1N R38 1/2 E

Method: Rotary

Geologist: Frank Dellechaie

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

Depth (m)	Description
0-6.1	Alluvium
6.1-71.6	Quartzite, minor marble (?), limonite staining, tan to brown 80% quartzite, very hard, 175'/hr, dry to bottom