



Logged By: Century Geophysics/DRI
 Drilling Co.: Beylik Drilling Services
 Drilling Method: Air Rotary/ Reverse Circulation

IT CORPORATION
 Project Shoal
 Project No. 784044.03.07.00.00

Shoal Project
Churchill Co Nevada
Project No. 764044.03.07.00.00
IT Corporation Offsites Project
Lithologic Descriptions by Well

Well ID. NC-4 GRANITE 0.00 200.00 jaw 10/21/96
Granite, mottled grayish white to creamy buff white, porphyritic, abundant black to greenish black biotite xls <1.0 mm altering locally to chlorite also noted as irregular masses to 5 mm (10%), groundmass comprised of medium to coarse grained clear to translucent gray quartz, (30%), milky white to pale pink gray kepar (40%), xl to 15mm, also noted as porphyritic xl of microcline xl up to 15mm (20%), minor anhedral xl of plagioclase (<10%) Accessory magnetite as isolated blebs and anhedral xls < 1mm. Spotty fracture stains of ochreous yellow orange limonite through out interval.

Well ID. NC-4 GRANITE 200.00 450.00 jaw 10/21/96
Granite, mixed grayish white to creamy buff white, pervasive yellow to yellow staining, porphyritic, abundant black to greenish black biotite xls <1.0 mm altering locally to chlorite also noted as irregular masses to 5 mm (20%), groundmass comprised of medium to coarse grained clear to translucent gray quartz, (20%), milky white to pale pink gray kepar (40%), xl to 15mm, also noted as porphyritic xl of microcline xl up to 15mm (20%), minor anhedral xl of plagioclase (<10%) Accessory magnetite as isolated blebs and anhedral xls < 1mm.

Well ID. NC-4 APLITE 450.00 490.00 jaw 10/21/96
Aplite, creamy gray white to white, principally massive grayish white kepar with prominent cleavage surfaces, (70%) the remainder of the rock appears to be comprised of blebs of transal gray qtz, mostly anhedral. Minor black to green black biotite (possible cross contamination from up hole. Interval 460-470 is contains much pinkish clay. Cuttings and clay suggest a fault fracture zone.

Well ID. NC-4 GRANITE 490.00 600.00 jaw 10/21/96
Granite, mixed grayish white to creamy buff white, strong pervasive yellow to yellow staining, porphyritic, abundant black to greenish black biotite xls <1.0 mm altering locally to chlorite also noted as irregular masses to 5 mm (20%), groundmass comprised of medium to coarse grained clear to translucent gray quartz, (20%), milky white to pale pink gray kepar (40%), xl to 15mm, also noted as porphyritic xl of microcline xl up to 15mm (20%), minor anhedral xl of plagioclase (<10%) Accessory magnetite as isolated blebs and anhedral xls < 1mm.

Well ID. NC-4 ANDESITE 600.00 610.00 jaw 10/21/96
Andesite, Dark olive green to dark grayish green, porphyritic, black phenocrysts of pyroxene?? possible olivine .2-1.0 mm, groundmass is aphanitic to a very fine grained sandy matrix with no identifiable minerals.

Well ID. NC-4 GRANITE 610.00 660.00 jaw 10/21/96
Granite, mottled grayish white to creamy buff white, porphyritic, abundant black to greenish black biotite xls <1.0 mm altering locally to chlorite also noted as irregular masses to 5 mm (10%), groundmass comprised of medium to coarse grained clear to translucent gray quartz, (30%), milky white to pale pink gray kepar (40%), xl to 15mm, also noted as porphyritic xl of microcline xl up to 15mm (20%), minor anhedral xl of plagioclase (<10%) Accessory magnetite as isolated blebs and anhedral xls < 1mm. Good cuttings quality 3-10mm.

Well ID. NC-4 ANDESITE 660.00 680.00 jaw 10/21/96
Andesite, Dark olive green to dark grayish green, porphyritic, black phenocrysts of pyroxene?? possible olivine .2-1.0 mm, groundmass is aphanitic to a very fine grained sandy matrix with no identifiable minerals.

Well ID. NC-4 GRANITE 680.00 800.00 jaw 10/21/96
Granite, mixed grayish white to creamy buff white, strong pervasive yellow to yellow staining, porphyritic, abundant black to greenish black biotite xls <1.0 mm altering locally to chlorite also noted as irregular masses to 5 mm (20%), groundmass comprised of medium to coarse grained clear to translucent gray quartz, (20%), milky white to pale pink gray kepar (40%), xl to 15mm, also noted as porphyritic xl of microcline xl up to 15mm (20%), minor anhedral xl of plagioclase (<10%) Accessory magnetite as isolated blebs and anhedral xls < 1mm.

Log 74567

Log 74567

Well ID. HC-4 GRANITE 800.00 900.00 jaw 10/21/96
Altered Granite, fracture fault zone with mixed cutting of granite and andesite as noted in previous intervals. Abundant clay as pinkish to pinkish grey balls and irregular masses. Very likely fault zone that has been filled/intruded by thin dikes or bodies of andesite.

Well ID. HC-4 GRANITE 900.00 1050.00 jaw 10/21/96
Granite, mixed grayish white to creamy buff white, locally strong pervasive yellow to yellow staining. porphyritic, abundant black to greenish black biotite xls <1.0 mm altering locally to chlorite also noted as irregular masses to 5 mm (20%), groundmass comprised of medium to coarse grained clear to translucent gray quartz, (20%), milky white to pale pink gray kspar (40%), xl to 15mm. also noted as porphyritic xl of microcline xl up to 15mm (20%), minor anhedral xl of plagioclase (<10%) Accessory magnetite as isolated blebs and anhedral xls < 1mm.

Well ID. HC-4 GRANITE 1050.00 1250.00 jaw 10/21/96
Granite, mixed grayish white to creamy yellowish white, locally strong pervasive yellow to yellow staining. porphyritic, abundant black to greenish black biotite xls <1.0 mm altering locally to chlorite also noted as irregular masses to 5 mm (20%), groundmass comprised of medium to coarse grained clear to translucent gray quartz, (20%), milky white to pale pink gray kspar (40%), xl to 15mm. also noted as porphyritic xl of microcline xl up to 15mm (20%), minor anhedral xl of plagioclase (<10%) Accessory magnetite as isolated blebs and anhedral xls < 1mm. Large cuttings up to 15mm

Well ID. HC-4 GRANITE 1250.00 1303.00 jaw 10/21/96
Granite, mottled grayish white to creamy buff white, porphyritic, abundant black to greenish black biotite xls <1.0 mm also noted as irregular masses to 5 mm (10%), groundmass comprised of medium to coarse grained clear to translucent gray quartz, (30%), milky white to pale pink gray kspar (40%), xl to 15mm. also noted as porphyritic xl of microcline xl up to 15mm (20%), minor anhedral xl of plagioclase (<10%) Accessory magnetite as isolated blebs and anhedral xls < 1mm.