



Logged By: Century Geophysics/DRI
 Drilling Co.: Baylik 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. EC-3 GRANITE 9.00 100.00 jaw 11/04/96
Granite, light grayish white to light pinkish gray, porphyritic, milky white to pinkish white kepar, principally microcline up to 15mm occurs as prominent porphyritic subhed to euhed xls and in total comprise (35-40%) of the whole rock. Groundmass comprised of medium to coarse grained clear to milky quartz xls (30%), minor white to translucent plagioclase (<10%). Black to greenish black biotite is abundant consisting of isolated thin booklets and individual xls altering locally to chlorite, some smaller aggregates to 3 mm (10%). Magnetite also noted as isolated blebs and subhed xls < 2mm. Spotty faint yellow to ochereous orange limonite/hematite stains and coatings are prevalent through out most cuttings. Cuttings quality is good with chips nominally 2-4mm, larger cuttings noted in the interval 110-120 indicating a possible fracture.

Well ID. EC-3 GRANITE 200.00 100.00 jaw 11/04/96
Granite, light grayish white to light pinkish gray, porphyritic, milky white to pinkish white kepar, principally microcline up to 15mm occurs as prominent porphyritic subhed to euhed xls and in total comprise (35-40%) of the whole rock. Groundmass comprised of medium to coarse grained clear to milky quartz xls (30%), minor white to translucent plagioclase (<10%). Black to greenish black biotite is abundant consisting of isolated thin booklets and individual xls altering locally to chlorite, some smaller aggregates to 3 mm (10%). Magnetite also noted as isolated blebs and subhed xls < 2mm. Spotty faint yellow to ochereous orange limonite/hematite stains and coatings are prevalent through out most cuttings. Cuttings quality is good with chips nominally 2-4mm, larger cuttings noted in the interval 210-220, 230-240 and 280-290 with cuttings to 10 -15 mm indicating a possible fractures. Schlieren foliation noted in the interval 200-210' along with chloritization of rock.

Well ID. EC-3 GRANITE 300.00 400.00 jaw 11/04/96
Granite, light grayish white to light gray, porphyritic, milky white to slightly pinkish white kepar, principally microcline up to 15mm occurs as prominent porphyritic subhed to euhed xls and in total comprise (35-40%) of the whole rock. Groundmass comprised of medium to coarse grained clear to milky quartz xls (30%), minor white to translucent plagioclase (<10%). Black to greenish black biotite is abundant consisting of isolated thin booklets and individual xls altering locally to chlorite, some smaller aggregates to 3 mm (10%). Magnetite also noted as isolated blebs and subhed xls < 2mm. Spotty faint yellow to ochereous orange limonite/hematite stains and coatings are prevalent through out most cuttings. Cuttings quality is good with chips nominally 2-4mm.

Well ID. EC-3 GRANITE 400.00 600.00 jaw 11/04/96
Granite, light grayish white to light gray, porphyritic, milky white to slightly pinkish white kepar, principally microcline up to 15mm occurs as prominent porphyritic subhed to euhed xls and in total comprise (35-40%) of the whole rock. Groundmass comprised of medium to coarse grained clear to milky quartz xls (30%), minor white to translucent plagioclase (<10%). Black to greenish black biotite is abundant consisting of isolated thin booklets and individual xls altering locally to chlorite, some smaller aggregates to 3 mm (10%). Magnetite also noted as isolated blebs and subhed xls < 2mm. Spotty faint yellow to ochereous orange limonite/hematite stains and coatings are prevalent through out most cuttings. Cuttings quality is good with chips nominally 2-4mm. Apparent fracture zone 410-450' large blocky cuttings/rubble to 20mm. Other minor fractures? noted 530-540' and possibly 590-600'.

Well ID. EC-3 GRANITE 600.00 800.00 jaw 11/05/96
Granite, light grayish white to light gray, porphyritic, milky white to slightly pinkish white kepar, principally microcline up to 15mm occurs as prominent porphyritic subhed to euhed xls and in total comprise (35-40%) of the whole rock. Groundmass comprised of medium to coarse grained clear to milky quartz xls (30%), minor white to translucent plagioclase (<10%). Black to greenish black biotite is abundant consisting of isolated thin booklets and individual xls altering locally to chlorite, some smaller aggregates to 10 mm (10%). Magnetite also noted as isolated blebs and subhed xls < 2mm. Spotty faint yellow to ochereous orange limonite/hematite stains and coatings are prevalent through out most cuttings. Cuttings quality is good with chips nominally 2-4mm. Large cuttings indicative of potential

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fractures or zones of fractures noted in the interval 630-640', 690-700' and 720-750' cuttings in these intervals range from 10 -15mm.

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Well ID. HC-3 GRANITE 880.00 880.00 jaw 11/05/96
Granite, light grayish white to light gray, porphyritic, milky white to slightly pinkish white kepar, principally microcline up to 15mm occur as dominant porphyritic subhed to euhed xls and in total comprise (35-40%) of the whole rock. Groundmass comprised of medium to coarse grained clear to milky quartz xls (30%), minor white to translucent plagioclase (<10%). Black to greenish black biotite is abundant consisting of isolated thin booklets and individual xls altering locally to chlorite, some smaller aggregates to 10 mm (10%), Magnetite also noted as isolated blebs and subhed xls < 2mm. Spotty faint yellow to ochreous orange limonite/hematite stains and coatings mostly on quartz xls are prevalent through out most cuttings. Interval is mostly fractured with large (10-20mm) rubbly cuttings noted throughout the interval.

Well ID. HC-3 GRANITE 880.00 1060.00 jaw 11/05/96
Granite, light grayish white to light gray, porphyritic, milky white to slightly pinkish white kepar, principally microcline up to 15mm occur as prominent porphyritic subhed to euhed xls and in total comprise (35-40%) of the whole rock. Groundmass comprised of medium to coarse grained clear to milky quartz xls (30%), minor white to translucent plagioclase (<10%). Black to greenish black biotite is abundant consisting of isolated thin booklets and individual xls altering locally to chlorite, some smaller aggregates to 10 mm (10%), Magnetite also noted as isolated blebs and subhed xls < 2mm. Spotty faint yellow to ochreous orange limonite/hematite stains and coatings mostly on quartz xls are prevalent through out most cuttings. Cuttings quality is generally good with cuttings ranging from 1-3mm. Interval 920-930' and 970-980' contain larger cuttings 5-12mm suggesting possible fracture zone.

Well ID. HC-3 GRANITE 1060.00 1190.00 jaw 11/05/96
Granite, light grayish white to pinkish light gray, porphyritic, milky white to slightly pinkish white kepar, principally microcline up to 15mm occur as prominent porphyritic subhed to euhed xls and in total comprise (35-40%) of the whole rock. Groundmass comprised of medium to coarse grained clear to milky quartz xls (30%), minor white to translucent plagioclase (<10%). Black to greenish black biotite is abundant consisting of isolated thin booklets and individual xls altering locally to chlorite, some smaller aggregates to 10 mm (10%), Magnetite also noted as isolated blebs and subhed xls < 2mm. Spotty faint yellow to ochreous orange limonite/hematite stains and coatings mostly on quartz xls are prevalent through out most cuttings. Cuttings quality is generally good much of the interval is comprised of large rubbly cuttings (5-20mm) likely resulting from a fracture zone.

Well ID. HC-3 GRANITE 1190.00 1303.00 jaw 11/06/96
Granite, light grayish white to pinkish light gray, porphyritic, milky white to slightly pinkish white kepar, principally microcline up to 15mm occur as prominent porphyritic subhed to euhed xls and in total comprise (35-40%) of the whole rock. Groundmass comprised of medium to coarse grained clear to milky quartz xls (30%), minor white to translucent plagioclase (<10%). Black to greenish black biotite is abundant consisting of isolated thin booklets and individual xls altering locally to chlorite, some smaller aggregates to 10 mm (10%), Magnetite also noted as isolated blebs and subhed xls < 2mm. Spotty faint yellow to ochreous orange limonite/hematite stains and coatings mostly on quartz xls are prevalent through out most cuttings. Cuttings quality is generally good with a nominal size of 2.0-3.0 mm. Possible fracture zone exists in the interval 1230 - 1240 as cuttings are 8-12 mm.