

**LAKES OIL N.L.****CUTTINGS DESCRIPTIONS****WELL NAME:** Banjo No.1 **GEOLOGIST:** Ingrid Campbell

<b>Interval (m)</b>	<b>%</b>	<b>Description</b>
000-003	100	UNCONSOLIDATED SAND: white-very light yellow, fine-medium grained dominantly fine grained, subrounded-rounded dominantly rounded, moderately sorted, unconsolidated, dominant translucent-milky quartz, trace carbonaceous material, weak ironstone cement, weak calcareous cement, excellent inferred porosity, no fluorescence.
003-006	100	UNCONSOLIDATED SAND: white-very light yellow, fine-medium grained dominantly fine grained, subrounded-rounded dominantly subrounded, moderately sorted, unconsolidated, dominant translucent-milky quartz, trace carbonaceous material, trace black lithics, trace shell fragments, light yellowish brown silty matrix, weak ironstone cement, weak calcareous cement, excellent inferred porosity, no fluorescence.
006-009	100	UNCONSOLIDATED SAND: as above.
009-012	80	UNCONSOLIDATED SAND: as above.
	20	SILTSTONE: light orange brown-medium orange brown, soft, trace carbonaceous material, non-fissile.
012-015	100	UNCONSOLIDATED SAND: white-very light yellow, fine-coarse dominantly medium, subangular-round dominantly subangular, moderately sorted, dominant translucent-milky quartz, trace black lithics, trace shell fragments, weak ironstone cement, excellent inferred porosity, no oil fluorescence.
015-018	80	UNCONSOLIDATED SAND: white-very light yellow, fine-coarse, subangular-rounded dominantly subrounded, poorly sorted, dominant translucent-milky quartz, common medium grey-blue grey lithics, trace shell fragments, white-light yellow silty matrix, weak ironstone cement, weak calcareous cement, excellent inferred porosity, no oil fluorescence.
	20	SILTSTONE: white-light yellow, soft, weakly calcareous, non-fissile
018-021	80	UNCONSOLIDATED SAND: white-very light yellow, fine-medium dominantly medium, subangular-rounded dominantly rounded, well sorted, dominant translucent-opaque quartz, trace fine medium grey-bluish grey lithics, trace shell fragments, orange silty matrix, common weak ironstone cement, very good visual porosity, no oil fluorescence.

	20	SILTSTONE: as above.
021-024	80	UNCONSOLIDATED SAND: as above.
	20	SILTSTONE: as above
024-027	100	UNCONSOLIDATED SAND: white-very light yellow, fine-medium dominantly medium, subangular-rounded dominantly subrounded, moderately sorted, dominant translucent-opaque quartz, trace fine medium grey-bluish grey lithics, trace shell fragments, trace well rounded ironstone lithics, trace orange silty matrix, common weak ironstone cement, excellent inferred porosity, no oil fluorescence.
027-030	100	UNCONSOLIDATED SAND: as above.
030-033	100	UNCONSOLIDATED SAND: very light yellow-light yellowish orange, fine-medium dominantly medium, subrounded-rounded dominantly rounded, well sorted, dominant translucent-opaque quartz, trace black lithics, trace shell fragments, trace well rounded ironstone lithics, no visible matrix, weak ironstone cement, excellent inferred porosity, no oil fluorescence.
033-036	100	UNCONSOLIDATED SAND: as above
036-039	90	UNCONSOLIDATED SAND: very light yellow-light yellowish orange, fine-medium dominantly medium, subrounded-rounded dominantly rounded, well sorted, dominant translucent-opaque quartz, common rounded-well rounded black lithics, trace shell fragments, common subangular- rounded ironstone lithics, silty matrix, weak ironstone cement, trace weak calcareous cement, excellent inferred porosity, no oil fluorescence.
	10	SILTSTONE: very light yellow-yellowish orange, soft, arenaceous, weakly calcareous, non-fissile.
039-042	80	UNCONSOLIDATED SAND: as above
	20	SILTSTONE: as above
042-045	80	UNCONSOLIDATED SAND: as above
	20	SILTSTONE: as above
045-048	100	UNCONSOLIDATED SAND: very light yellow-light yellowish orange, fine-medium dominantly medium, subrounded-rounded dominantly rounded, well sorted, dominant translucent-opaque quartz, common rounded-well rounded black lithics, trace shell fragments, common subangular- rounded ironstone lithics, no visible matrix, weak ironstone cement, trace weak calcareous cement, excellent inferred porosity, no oil fluorescence.
048-051	90	UNCONSOLIDATED SAND: very light yellow-light yellowish orange, fine-medium dominantly medium, subangular-rounded dominantly subrounded, moderately sorted, dominant translucent-opaque quartz, common

		subrounded-well rounded black lithics, trace shell fragments, trace subangular- rounded ironstone lithics, silty matrix, weak ironstone cement, trace weak calcareous cement, excellent inferred porosity, no oil fluorescence.
	10	SILTSTONE: very light yellow-yellowish orange, soft, arenaceous, weakly calcareous, non-fissile.
051-054	90	UNCONSOLIDATED SAND: white-very light yellow, fine-medium dominantly medium, subrounded-well rounded dominantly rounded, well sorted, dominant translucent-opaque quartz, common subrounded-well rounded black lithics, trace shell fragments, trace subangular- rounded ironstone lithics, silty matrix, weak ironstone cement, excellent inferred porosity, no oil fluorescence.
	10	SILTSTONE: as above.
054-057	80	UNCONSOLIDATED SAND: white-very light yellow-yellowish orange, fine-coarse dominantly medium, subangular- rounded dominantly subrounded, poorly sorted, dominant translucent-opaque quartz, common coarse-very coarse subangular- subrounded medium grey-very dark grey lithics, trace subangular black lithics, trace shell fragments, trace subangular- rounded ironstone lithics, silty matrix, weak ironstone cement, excellent inferred porosity, no oil fluorescence.
	20	SILTSTONE: very light yellow-yellowish orange, soft, arenaceous, non-fissile.
057-060	80	UNCONSOLIDATED GRAVEL: very light yellow-yellowish orange, medium-very coarse-pebbly dominantly medium, subangular-subrounded dominantly subangular, very poorly sorted, abundant opaque-milky quartz, common pebbly basaltic lithics, trace white-milky granitic lithics, trace ironstone lithics, no visible matrix, no visible cement, excellent inferred porosity, no oil fluorescence.
	20	SILTSTONE: as above.
060-063	50	UNCONSOLIDATED GRAVEL: very light yellow-bluish grey, medium sand- boulders dominantly pebbly, subangular-well rounded dominantly rounded, very poorly sorted, common pebbly basaltic lithics, trace white-milky granitic lithics, trace very light yellow- light yellowish brown sandstone lithics, silty matrix, no visible cement, very good visual porosity, no oil fluorescence.
	50	SILTSTONE: light yellow-light yellowish brown, soft, arenaceous, non-sticky, moderately dispersive, non-fissile.
063-066	50	UNCONSOLIDATED SAND: medium yellowish brown-yellowish orange, fine-coarse dominantly medium, subangular- subrounded dominantly subrounded,

		moderately sorted, abundant translucent-opaque quartz, common subangular-rounded black lithics, trace granitic lithics, trace micromica, silty matrix, weak ironstone cement, very good visual porosity, no oil fluorescence.
	50	SILTSTONE: as above.
066-068	30	UNCONSOLIDATED GRAVEL: orange brown-reddish brown, fine-pebbly dominantly medium, rounded-well rounded occasionally angular-subangular, abundant orange-red ironstone lithics, common angular-subangular translucent-opaque quartz, common medium bluish grey-bluish grey basaltic lithics, trace fossiliferous material, claystone matrix, moderate ironstone cement, fair inferred porosity, no oil fluorescence.
	70	CLAYSTONE: orange-brick red, soft, arenaceous, sticky, non-dispersive, non fissile.
068-072	80	SANDSTONE: orange brown-reddish brown, fine-medium with occasional pebbles, poorly sorted, subangular-subrounded dominantly subangular, abundant light yellow-yellowish orange limestone fragments, common fossiliferous fragments bryozoan, trace translucent-opaque quartz, trace bluish grey basaltic lithics, trace pyrite, orange claystone matrix, calcareous, good inferred porosity, no oil fluorescence
	20	CALCARENITE: white-light yellow, fine-medium dominantly medium, subrounded-rounded, well sorted, abundant bryozoan, abundant light yellow-yellowish orange limestone fragments, very calcareous, good inferred porosity, no oil fluorescence.
072-081.3		NO RETURNS