

Samples described below from 2000' to 6590' Driller TD.

SAMPLE DESCRIPTION

- 1000-50 50% clystn, brn, gy brn, grn, gy grn: 50% sltstn, gy grn, gy brn
- 2050-2170 90% ss, wht-lt grn, cons-uncons, f-c-g, A-R, arkosic, clay filled, Tr diss pyrite, por, N-S: 10% clystn, as above
- 2170-2350 100% clystn, gy brn, gy grn, soft: Tr ss, as above, N-S

TOP OJO ALAMO 2335' LOGS

- 2350-2510 50% ss, uncons, f-c-g, A-R, congl, N-S: 50% clystn, as above: Tr sh, gy brn, carb: Tr diss pyrite

TOP KIRTLAND 2498' LOGS

- 2510-40 100% clystn, as above: Tr ss, as above, N-S
- 2540-70 100% sh, gy brn, gy grn, blk: Tr ss, wht, v-f-f-g, SA-SR, clay filled, por, N-S: Tr sltstn, gy brn, gy grn
- 2570-80 50% ss, uncons, f-c-g, A-R, cong, N-S: 50% sh, as above
- 2580-2600 70% sh, lt-med grn, soft, wxy: 30% sh, gy grn, gy brn, silty in part: Tr ss, as above, N-S
- 2600-20 100% sh, gy brn, gy grn, minor lt-med grn, carb in part: Tr ss, wht-lt grn, f-g, SA-SR, por, abt clay filling, N-S
- 2620-40 60% sh, as above: 40% ss, wht-lt grn, v-f-f-g, SA-SR, por in part, domin tite, abt clay filling, N-S

SAMPLE DESCRIPTION - CONTINUED

- 2640-80 100% sh, as above: Tr ss, as above, N-S
- 2680-2700 80% sh, as above: 20% ss, lt gy, v-f-f-g, SA-SR, arkosic, carb inclus, clay filled, por in part, N-S: Tr coal
- 2700-50 90% sh, as above: 10% ss, as above, N-S: Tr coal

TOP FRUITLAND 2753' LOGS

- 2750-2840 100% sh, as above: Tr ss, as above: Tr coal
- 2840-50 70% sh, as above: 30% ss, as above, N-S: Tr coal

TOP PICTURED CLIFFS 2845' LOGS

- 2850-70 80% sh, as above: 10% ss, as above, N-S: 10% coal
- 2870-2920 50% ss, wht-lt gy-buff, f-g, SA-SR, arkosic, S & P, por, clay filled, N-S: 50% sh, as above: Tr coal: Tr diss pyrite

TOP LEWIS 2892' LOGS

- 2920-40 70% sh, med gy-gy brn, carb in part: 30% ss, as above: tr coal
- 2940-70 80% sh, as above: 20% ss, lt gy, v-f-g, clay filled, tite, N-S
- 2970-3010 90% sh, as above, silty in part: 10% ss, as above
- 3010-3340 100% sh, med gy, silty, carb in part, minor gy brn sh: Tr ss, gy, v-f-g, shy, silty
- 3340-3650 100% sh, med gy brn, as above, bcm more silty, grdg to shy sltstn: Tr aragonite
- 3650-3710 100% sh, as above: Tr sltstn, gy brn, calc, shy

TOP CHACRA 3714' LOGS

- 3710-20 100% sh, as above: Tr sltstn, as above: Tr ss, gy, v-f-g, SR, arkosic, carb inclus: Tr por, N-S
- 3720-30 80% sh, as above: 10% sltstn, as above: 10% ss, as above
- 3730-40 50% ss, lt gy, v-f-f-g, SR, sl/arkosic, Tr clay filling, carb inclus, por (310 units - Hot wire - Lags 3712-22): 50% sh, med gy, gy brn, carb in part
- 3740-50 100% sh, as above, silty in part: Tr ss, as above
- 3750-3900 100% sh, as above: Tr bent
- 3900-60 100% sh, as above: Tr bent: Tr coal

SAMPLE DESCRIPTION - CONTINUED

3960-80 70% sh, as above: 30% ss, gy-gy brn, v-f-g, shy, carb
includ, tite, N-S

3980-4000 90% sh, as above: 10% ss, as above, N-S

4000-4100 100% sh, as above: Tr ss, as above: Tr coal

4100-4300 100% sh, as above: Tr ss, as above

4300-80 100% ss, gy-gy brn, v-f-g, shy, grdg to sltstn, carb
includ, N-S: Tr sh, as above

4380-4400 80% sh, as above: 20% ss, as above: Tr coal

TOP CLIFF HOUSE 4438' LOGS

4400-4500 100% sh, as above: Tr ss, as above: Tr bent

TOP MENEFFEE 4460' LOGS

4500-10 100% sh, med gy-gy brn, silty in part, carb in part

4510-30 100% sh, as above: Tr ss, gy, v-f-f-g, SR, arkosic,
carb includ, por, clay filling, N-S

4530-50 70% sh, as above: 30% sltstn, brn, sdy in part: Tr ss,
as above

4550-70 100% sh, gy brn, med gy, gy grn, carb in part: Tr ss,
as above: Tr sltstn, as above: Tr coal

4570-80 80% sh, as above: 20% ss, as above, N-S: Tr sltstn, as
above

4580-4620 100% sh, as above: Tr ss, as above: Tr coal

4620-30 50% coal: 50% sh, as above, silty in part: Tr ss, as above:
Tr sltstn, as above

4630-4720 100% sh, as above: Tr ss, as above: Tr sltstn, gy brn,
brn, sdy in part: Tr coal

4720-4800 100% sh, as above: Tr sltstn, as above: Tr ss, as above,
scattd lse m-c-g's: Tr sltstn, as above

4800-30 100% sh, as above: Tr sltstn, as above

4830-59 100% sh, as above: Tr ss, wht, f-g, SA-SR, arkosic, clay
filling, por, friable (480 unit - Hot wire reading -
Lags 4803-40): Tr sltstn, as above: Tr coal

SAMPLE DESCRIPTION - CONTINUED

- 4859 Circ smpls
 30" - Lith as above
 60" - Lith as above
- 4860-80 100% sh, as above: Tr sltstn, as above
- 4880-90 90% sh, as above: 10% ss, lt gy, v-f-f-g, SA-SR,
 arkosic, carb inclus, clay filled in part, calc in
 part, N-S
- 4890-4900 80% sh, as above: 20% ss, as above, N-S: Tr sltstn,
 gy, shy
- 4900-10 50% ss, wht-lt gy, v-f-f-g, SR, arkosic, clay filled,
 por & friable, N-S: 50% sh, as above
- 4910-30 100% ss, wht, cons-uncons, domin uncons, f-g, SA-SR,
 arkosic, clay filled, por & friable, N-S: Tr sh, as
 above
- 4930-40 80% sh, as above: 20% ss, as above, N-S
- 4940-60 90% sh, as above: 10% ss, as above
- 4960-70 60% sh, as above: 40% ss, lt gy, v-f-f-g, SR, arkosic,
 por in part, N-S
- 4970-80 100% ss, wht-lt gy, v-f-f-g, SA-SR, arkosic, clay filled,
 por, (260 units - Hot wire - Lags 4943-52) Tr sh, as above
- 4980-5030 100% sh, med gy, gy grn, gy brn, carb in part, silty in
 part: Tr ss, as above
- 5030-40 70% ss, as above, N-S: 30% sh, as above
- 5040-50 50% ss, as above: 50% sh, as above

TOP POINT LOOKOUT 5070' LOGS

- 5050-80 100% sh, as above: Tr ss, as above: Tr sltstn, gy, gy brn,
 shy
- 5080-5100 80% ss, wht-lt gy, f-m-g, domin f-g, SA-SR arkosic, por,
 friable, intstl clays, N-S: 20% sh, as above
- 5100-10 80% sh, med gy- gy brn, silty & sdy in part, carb in
 part: 20% ss, as above, N-S
- 5110-20 90% sh, as above: 10% ss, lt gy-gy, v-f-f-g, shy in part,
 tite in part, N-S

SAMPLE DESCRIPTION - CONTINUED

- 5120-30 100% sh, as above: Tr coal: Tr ss, as above
- 5130-40 50% ss, lt gy, v-f-f-g, occ lse m-c-g, SA-SR, arkosic, sl/por, intstl clay, N-S: 50% sh, as above: Tr ss, gy, v-f-g, silty, tite, dull yellow fluor, no cut fluor
- 5140-50 80% sh, as above: 20% ss, as above, N-S: Tr ss, gy, v-f-g, show, as above: Tr aragonite
- 5150-70 50% ss, as above, (440 units - Hot wire - Lags 5140-45): Tr ss, gy, v-f-g, Show as above: 50% sh, as above
- 5170-5200 90% ss, gy, v-f-g, SR, arkosic, silty & shy, N-S: 10% sh, as above
- 5200-20 80% sh, med gy-gy brn, carb in part, silty & sdy in part: 20% ss, as above

TOP UPPER MANCOS 5230' LOGS

- 5220-60 100% sh, as above: Tr ss, as above
- 5260-80 70% sh, as above: 30% ss, as above
- 5280-6180 100% sh, as above: Tr ss, as above

TOP GALLUP 6182' LOGS

- 6180-6200 50% sltstn, gy brn, shy, calc: 50% sh, as above
- 6200-30 90% sh, as above: 10% sltstn, as above
- 6230-70 100% sh, as above: Tr sltstn, as above
- 6270-80 100% sltstn, gy brn, calc, sdy, dull yellow fluor, no cut fluor
- 6280-6300 90% sh, as above: 10% sltstn, as above, N-S
- 6300-10 100% sh, as above: Tr sltstn, as above, N-S
- 6310-80 100% sh, as above: Tr sltstn, as above: Tr ss, gy, v-f-g, Calc, tite, carb inclus, N-S: Tr coal

TOP LOWER MANCOS 6476' LOGS

- 6480-6540 100% sh, med gy-gy brn, silty & calc in part: Tr sltstn, as above: Tr ss, as above, N-S: Tr bent: Tr aragonite
- 6540-60 90% sh, as above: 10% sltstn, as above: Tr ss, as above: Tr bent
- 6560-90 100% sh, med gy-gy brn, silty in part, carb in part: Tr sltstn, as above: Tr coal