E.G. LONG GEOLOGICAL CONSULTANT

WELL NAME QUASAR NOS-1-R CROWN ZELLERBACH County COLUMBIA State OREGON

Location SW SW Sec 15 Twp 8N Rge 4W Field Wildcat

Elevation K.B. 1261.6 G.L. 1251.6

Spudded 4:00PM Oct 17,1979 Rig Released Oct 22,1979 Status D&A

Total Depth 3210 Formation Basalt Logs Run DILL, CNL/FDC, SONIC

Interval Logged 515-3210 Casing Record 7" x 515 with 125 Sks

Remarks _____ x _____ with _____ Sks

_____ Geologist E.G. Long Date Oct. 22, 1979

CARBONATES

- Limestone, Micritic
- Limestone, Oolitic
- Limestone, Sparry
- Limestone, Fossiliferous
- Limestone, Dolomitic
- Limestone, Brecciated
- Limestone, Argillaceous
- Dolomite, Micritic
- Dolomite, Sparry
- Dolomite, Fossiliferous
- Dolomite, Dolomitic
- Dolomite, Brecciated
- Dolomite, Argillaceous

CLASTICS

- Shale
- Shale, Calcareous
- Shale, Silty
- Shale, Fossiliferous
- Shale, Dolomitic
- Shale, Argillaceous
- Siltstone, Argillaceous
- Siltstone, Dolomitic
- Siltstone, Fossiliferous
- Sandstone
- Sandstone, Argillaceous
- Coal

EVAPORITES

- Anhydrite
- Halite
- Gypsum

ADDITIONAL SYMBOLS

- Microscopic Pyrite
- Macro Pyrite
- Phosphate
- Glauconite
- Chert
- Fossil
- Fossil Fragments
- Fossil Molds
- Fossil Casts
- Fossil Coral
- Fossil Bryozoan
- Fossil Brachiopod
- Fossil Pelecypod
- Fossil Gastropod
- Fossil Crinoid
- Fossil Foraminifera
- Fossil Ostracod
- Fossil Pellets
- Fossil Plants
- Fossil Pelecypod Molds
- Fossil Gastropod Molds
- Fossil Plant Molds
- Fossil Crinoid Molds
- Fossil Foraminifera Molds
- Fossil Ostracod Molds
- Fossil Pellet Molds
- Fossil Plant Casts
- Fossil Pelecypod Casts
- Fossil Gastropod Casts
- Fossil Crinoid Casts
- Fossil Foraminifera Casts
- Fossil Ostracod Casts
- Fossil Pellet Casts
- Fossil Plant Molds
- Fossil Pelecypod Molds
- Fossil Gastropod