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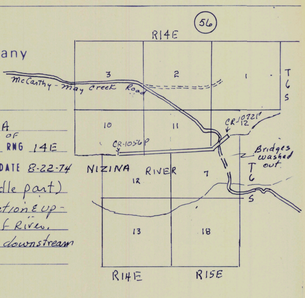
Amoco Production Company

Surface Log




Name NIZINA RIVER SECTION

AREA OR QUAD McCARTHY (B-5) STATE ALASKA

LOCATION North bank of River, along south line of E½ Sec 19, Sec 1 (E W½) Sec 12 TWN 6S RNG 14E

MEASURED BY G. Streeton, W. Loney, D. Powell DATE 8-22-74

INTERVAL U. Cret - Chitistone Fm (approx Middle part)

REMARKS Measured (estimated) & spked upsection & up-stream along the North bank of River. Started traverse @ 1-1½ miles downstream from the Nizina River Bridge

LOCATION ____ N ____ W

PLOTTED JDP DATE 4-8-75

| PER. (DATES) | EPOCH | SERIES (STAGES) | GROUP | FORMATION | MEMBER | AGE (STAGES) | FOSSILS | CORES | SHOWS | DEPTH | LITHOLOGY | POROSITY | SAMPLES | DESCRIPTION |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CRETACEOUS | UPPER CRETACEOUS | | CHITITU | FORMATION | | CENOMANIAN TO CAMPANIAN | | | | 2000 | | | | |
| | | | | | | | | | | 1900 | | | | |
| | | | | | | | | | | | | | CR-1072P | Sh, gy-bk, as before. |
| | | | | | | | | | | 1700 | | | | SKipped |
| | | | | | | | | | | | | | | Road cut at 1625' |
| | | | | | | | | | | 1600 | | | CR-1071P | Sh, bk, wxs rusty, hd, Silic., w/ yell-bro, siltst beds up to 8" thick & lge rust wxg, calc conc. & stringers & lenses similar, small calc thrust zone up to 2" dia & w/ a grnish bro coating, siltst is yellowish-gy, & |
| | | | | | | | | | | | | | | Sh, bk, hd, wxs rusty, silic w/ calc concs up to 2" dia. |
| | | | | | | | | | | 1500 | | | CR-1070P | |
| | | | | | | | | | | | | | | Intrusive, igneous dike, lt gy-grn, wxs sdy, aphanitic hd, mass, resist. dike cuts thru shales but locally, pinches them. Contact btw intr. & Sh is very oxidized & rusty. Contact is sharp but slightly irregular |
| | | | | | | | | | | 1400 | | | | Sh, bk wxs rusty, much harder & resistant than below, pass silic, proximity of intrusives pass caused hardness. Approx 1000' section measured to Nizina Bridge |
| | | | | | | | | | | | | | CR-1069P | Igneous Sill, as below. |
| | | | | | | | | | | 1300 | | | | Sh, gy, wxs gy-brg soft, recessive, non calc, w/ large concs. and small dikes of intrusive rocks which cut thru bedding. Dike is 6" thick and runs vertical in trend are presently there are composed of qtz & bk chert, m-g, poorly sorted argil and silt. |
| | | | | | | | | | | | | | CR-1068P | |
| | | | | | | | | | | 1200 | | | CR-1067P | Igneous intr. lt gy-grn, wxs sdy, mass, hd, resistant, aphanitic w/ calc - siltst. appears to be Pelitic Sill which has contacts with sh. Contacts btw shale/intr. are sharp. Show oxidation zone 8" to around dike. |
| | | | | | | | | | | 1100 | | | CR-1066P | |
| | | | | | | | | | | | | | | Sh, gy, wxs gy-bro, soft, non calc w/ occr beds, up to 6" thick, of bro-wxg calc siltst and numerous concs up to 3' dia. |
| | | | | | | | | | | 1000 | | | CR-1065P | |
| | | | | | | | | | | | | | CR-1064P | |
| | | | | | | | | | | 900 | | | | |
| | | | | | | | | | | 800 | | | CR-1063P | |
| | | | | | | | | | | 700 | | | CR-1062P | Sh, aa, w/ lge bro or rust-wxg lenses or blebs of olive-gy sh. Surfaces contain numerous xls at halos of calcite or gypsum which are up to ½" long. Numerous irregst modled present. Partially calcite and gyp xls prob. result of leaching of gypiferous Sh. |
| | | | | | | | | | | 600 | | | CR-1061P | Sh, aa w/ interbed siltst, gy, rust-wxg, Non calc. |
| | | | | | | | | | | 500 | | | CR-1060P | |
| | | | | | | | | | | 400 | | | | Clay sh, gy, wxs gy-bro, soft recessive, non calc w/ bro wxg calc. siltst beds 4" thick and thin concretionary lenses. Numerous rust wxg calc, recrystallized veins cut across bedding and dip steeper than beds. A few inches to a few feet. Conc. zone contain calc concs up to 1" thick, enclosed, but containing rounded mud nodules up to 2" thick. Beds strike N20°W and dip 25° NE, but are slumped and contorted. |
| | | | | | | | | | | 300 | | | CR-1059P | |
| | | | | | | | | | | 200 | | | CR-1058P | |
| | | | | | | | | | | 100 | | | CR-1057P | Clay Sh, gy, wxs gy-bro, soft, recessive, non calc, mostly CVD along river bank and cut into by fluat. gravels. |
| | | | | | | | | | | 0 | | | CR-1056P | CVD. |