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(39)

# Amoco Production Company

## Surface Log

**Name** SNIDER PEAK SECTION.

**AREA OR QUAD** GULKANA (A-2) **STATE** ALASKA

**LOCATION** SW, SE, Sec. 1 & NW NE, NE, NE, SE NE Sec. 12 **TWN** 3N **RNG** 4E CRM.

**MEASURED BY** D. Powell. G. Streeton. D. Loney **DATE** 8-15-74

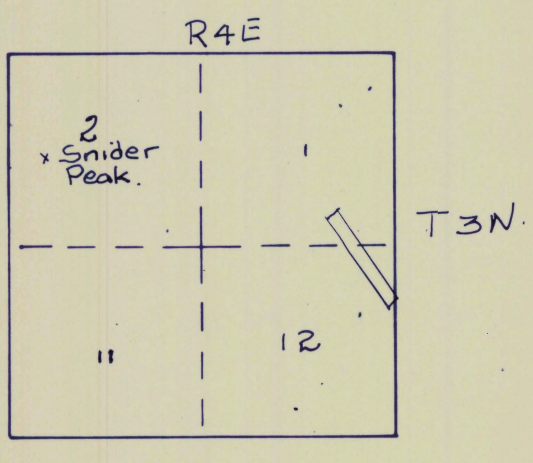
**INTERVAL** Lower Cret. Kennicott formation.

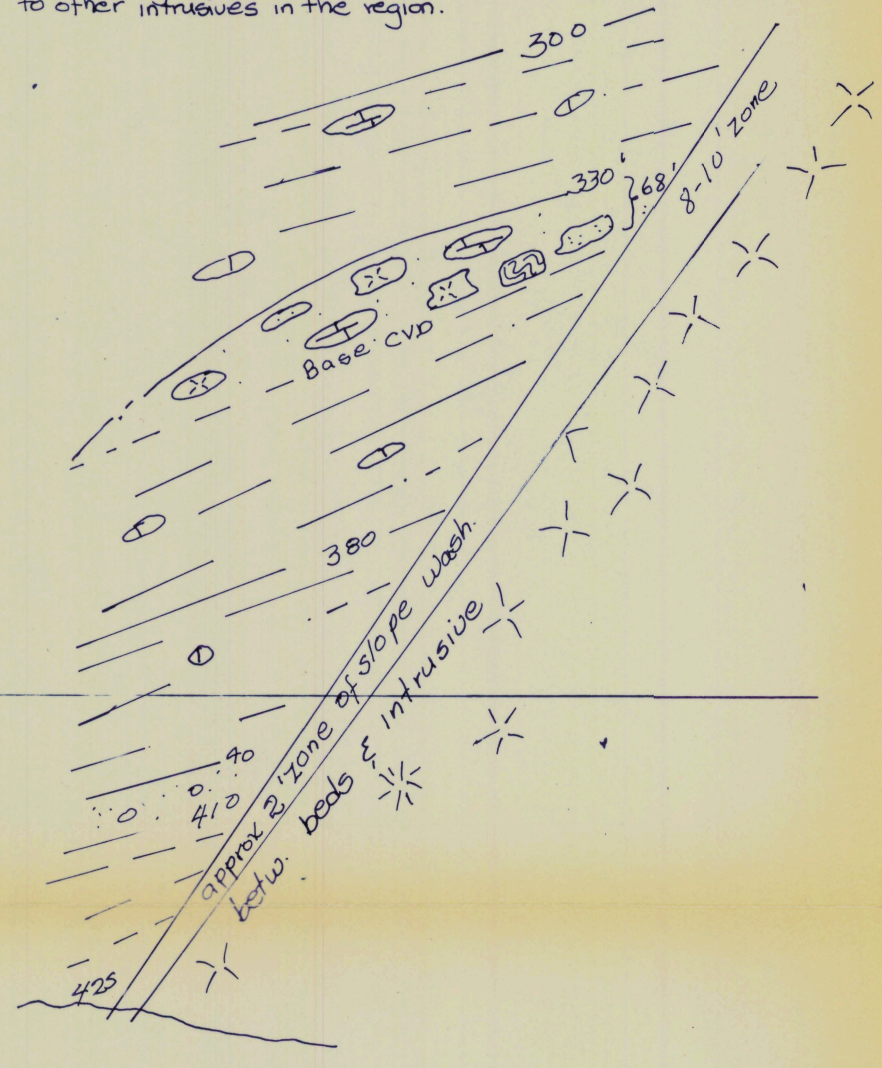
**REMARKS** Measured (Estimated) & spled downsection. Overlain by Wrangell. Lava. Basal contact CVD in stream bed of NW Trib. of Dadina River but partially in contact with igneous intrusive.

**LOCATION** _____ N _____ W

△ Indicates sample cut for source Rock Analysis.

PLOTTED P.A.




| Periods (Systems) | Epochs (Series) Group or Formation | Member Ages (Stages) | Fossils | CORES | SHOWS | DEPTH | LITHOLOGY | POROSITY | SAMPLES | DISCRIPTION |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | Lava bed. |
| CRETACEOUS | | | | | | | | | CR-185P | Sh. gy in pt. to siltstone blky-thin bd. Non calc. badly wxd to bro color. |
| | | | | | | | | | CR-186P & 187F | |
| | | | | | | | | | CR-188P | Small ammonites & single pelecypod. frags from 6' gy Ls. conc. wx's bro, poly sple, incl. pieces conc. Sh gy wx's bro, hd, silty, thin bd'd w calc. conc. |
| | | | | | | 100 | | | CR-192L | |
| | | | | | | | | | CR-189P | Sh. aa, hd, thin bd, fissile to platy on wxd surface, silic. looks like Mowry type sh. Strike and dip of beds N24°W 23°SW. |
| | | | | | | 200 | | | CR-190P | |
| | | | | | | | | | | Sh. aa. w/calc. concs. Traces of fossil wood. |
| | | | | | | | | | CR-191P | Sh. drk gy. soft & siltstn. w/ large calc. concs zones w/ silty ss at top. occ'l. thin bd gy f-mg ss, calc. & tite fossils ammonites and fossil wood in concs. |
| | | | | | | 300 | | | CR-193P △ | Sh. drk gy, soft silty w/ calc. concs. and fossil wood on surf. at 330 a 6-8' ± (base CVD) bed or lense pred. of granitic mat'l w/ sl schist & gneiss & gneissic mat'l mixed w/ ss & limy concs. mat'l. is < to sub < to blky. Pass other lenses as much a float. fossil wood. noted in concs. |
| | | | | | | 400 | | | CR-194F<br>CR-195L<br>CR-196P CVD | Ss. gy bro, cgl. pebble size scour features w/ sh. clast unit comp. basal 4' pebbly ss, overlain 4' ss pebbly ss w/ sh clast & ss. Fair Poro & perm. Sh, aa, in partial contact. w intrusive mostly CVD by slope wash & stream bed. |
| | | | | | | | | | | K-AR 126 ± 9 my. ε Anal 19.4% ϕ 38.5 mds. |
| | | | | | | 500 | | | | |
| | | | | | | 600 | | | | |
| | | | | | | 700 | | | | |
| | | | | | | 800 | | | | |
| | | | | | | 900 | | | | |
| | | | | | | 1000 | | | | |
| | | | | | | 1100 | | | | |
| | | | | | | 1200 | | | | |
| | | | | | | 1300 | | | | |
| | | | | | | 1400 | | | | |

The granitic cgl. at 330' believed to be "wash." from a biotite granodiorite pluton immediately adj. to side of Albian rocks deposit (only 3' to 10'. between contact to south CVD by slope wash see sketch below) Biotite from this pluton yielded a potassium-argon age of 126 ± my suggesting intrusion during Neocomian (Early Cretaceous) "time" (Grantz, et al, 1966) Poss. that the age could be earlier such as late Jurassic and similar to other intrusives in the region.