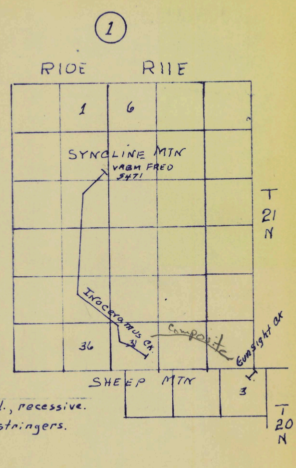
Amoco Production Company
CF75 1101

57

Name Syncline Mtn.-Sheep Mtn.
County NELCHINA AREA — Alaska
Location SECS. 12, 13, 24, 25, T21N, R10E; SECS 30, 31 T21N R11E; 3. 20N 11E SM.
Measured by D. Loney, G. Streeton — **Date** 7/27→8/2 1974
Interval MATANUSKA
Remarks COMPOSITE SECTION -SEE NOTES thicknesses estimated

(1)



CR-86L — SS, float at top of Section
CR-2010-L (1) 6.8% Ø 1.55 Mds — Sst: f.→m.grn., dirty, fair Ø, silty, sub-rnd., recessive.
CR-2011-P (2) 10.9% Ø 3.12 Mds — Sh: med. grey, platy to fissile, some silty stringers.
100 — CR-2012-P
CR-2013-P — Sst: med. bedded, med.grn., shale chips, argill., tite, calc.
200
300
CR-2014-P — Sh. talus - close to being in place ??
400
Sst: f.grned., dirty, massive to platy, shale partings.
500 — CR-2015-P — Sh: fissile, med. grey, recessive.
600 — CR-2016-P — Sh: a/a, w. some siltstn & sst. ibds.
700 — CR-2017-P △ — Sh: platy, med. gy., a/a.
800
CR-2018-P — Siltst: as ibds., calc., med. gy., rust. wx., good ripple marks, scour, tite.
900 — Sst: f.grned., grey-brown, biotitic, sub-rnd, tite, thick-bedded, shale partings, some siltstn. ibds.
CR-2019-P
1000 — CR-2020-L — Sst: med. grey. argill., biotitic, well indurated, thick bed.,
CR-2020-P — Sst: pred., w silt. & sh. ibds.; - v.f.grned., argill., platy.
1100
1200
CR-2021-P
1300 — Sh: becoming pred. - platy., grey to brown., silty in part., recessive.; some platy sst. ibds.
CR-2022-P
1400
CR-2023-P — Sh: a/a. Some sst. ibds. w. sh. partings & chips.
1500
CR-2024-P — Sh: a/a, w silt. & sand. ibds.
1600
CR-2025-P — Sh: becoming more resistant.; some ibds. a/a. A few lst. concretions.
1700
CR-2026-P — Sst: massive, vfg.→med. grned., ? ripple marks; in part fines up.
1800
CR-2027-P — Sh: w. some very strong bed. contortions. (4" scale).
1900 — Sh: calc., med. gy., platy to blocky.; some Siltstn. ibds.;
CR-2028-P
2000 — Sh: pred.; platy, med. grey, uniform texture, non-calc., recessive,
CR-2029-P △
2100
CR-2030-P
2200
CR-2031-P
2300
CR-2032-P — Sh: a/a, w. some Calcareous sh. ibds. Tr. of pelecypod shells in lst. concretions.
2400
CR-2033-P
2500
CR-2034-P — Sh: a/a. w a 1' bed of calc. sst.
2600
CR-2035-P — Sh: a/a w 10' bed of ss' green.sh-grey, argill, f.grned, tite.
2700
CR-2036-P — Sh: a/a w some Calc ibds.
2800
CR-2037-P — Sh: a/a, w. fossil impressions & shelly material.
2900
CR-2038-P — Sh: a/a, platy to "nodular" wx. in part.
3000
CR-2039-P — Sh: a/a, Calc. in part, w. some ibds of siltstn. to f.gr. sst.
3100
CR-2040-P △ — Sh: a/a, w Concretions 4"-2' diameter.
3200
CR-2041-P
3300
CR-2042-P — Sh: a/a, w lensing concretions to 10'.; shales are silty, calc., in part.
3400
CR-2043-P
3500 — Coquina bed - thin, recessive.
CR-2044-P
3600
CR-2045-P — Sh.: a/a, silty in part, large sst. concretions. (rusty wx).
3700
CR-2046-P
3800
CR-2047-P
3900 — Covered.
4000
CR-2048-P — Sh: a/a w lst. Concretionary bands.
4100 — CR-2049-P
: few scattered o/cs.
4200
CR-2050-P △ — Sh: a/a, w thin, friable, brown clay bands
4300
CR-2051-P
4400 — Covered interval - trees, grass.
4500
4600
4700
4800
4900 — CR-2052-P
5000
5100 — CR-2053-P — Sh: a/a, but very poor, local outcrops.
5200 — CR-2054-P, CR-2055-L, CR-2056-P — Conglomerate: In 75' of section, 3 beds of congl. from 1' to 8' thick. w ibds of sand. Predominantly Shale. Congl: pebbles to 6", silt. to vfg. sand matrix.- Calcareous: Med. beds. of sand: s & p., calc., micaceous, shale chips, fair Ø.
Sh: dk grey, non-calc.
5300 — Covered.
5400
5500 — CR-2057-P — Sh.: gy, recessive, small o/c.
Siltstn: med. grey, calc., thin bedded, well indurated. — END OF SYNCLINE MTN SECT.
3700 — END INOCERAMUS CK SECTION.
CR-2099-P — Sh: med. gy., recessive., lst. concretionary zones (w. aragonitic fossil material).
5600
3600
5700
3500
5800 — Covered.
3400
5900
3300 — CR-2097-P △
6000 — CR-2093-P
3200 — CR-2092-P — Sh: gy, non-calc.; good cone-in-cone structures in lst. concretions.
CR-2094-P
CR-2095-P
6100
3100 — CR-2091-P, CR-2096-P — Small scale faulting, slickensides, very irregular bedding.
6200 — CR-2090-P
CR-2089-P
3000 — Shale: gy, non-calc.; Irregular bedding attitudes.
6300 — CR-2088-P
2900
6400 — CR-2087-P
2800
6500 — CR-2086-P
2700
6600 — CR-2085-P
2600
6700 — CR-2084-P
2500 — Shale: gy, non-calc.
6800 — CR-2083-P
2400
6900 — CR-2082-P
2300
7000 — CR-2081-P △
2200
7100 — CR-2080-P
2100
7200 — CR-2079-P
2000
7300 — CR-2078-P — Shale: gy, non-calc, recessive, poor o/c., lst. concretions.
1900
7400 — CR-2077-P
1800
7500 — CR-2076-P
1700
7600 — CR-2075-P
1600
7700 — CR-2074-P
1500
7800 — CR-2073-P
1400
7900 — CR-2072-P
1300
8000 — CR-2071-P △
1200
8100 — CR-2070-P — Shale: gy., non-calc., lst. concretions.
1100
8200 — CR-2069-P
1000
8300 — CR-2068-P
900
8400 — CR-2067-P
800
8500 — CR-2066-P
700
8600 — CR-2065-P
600
8700 — CR-2064-P
500
8800 — CR-2063-P — Bedding almost vertical in places.
400
8900 — CR-2062-P — Shale: some ½" x-cutting calcite veining
CR-2061-P — Shale: grey, non-calc., blocky, recessive, Concretionary bands & blocks., Trace of
200
9100 — CR-2060 △ — Shale: gy, blocky, recessive, calc. in part., some Inoceramus shells.
100 — Shale: med. gy., non-calc., recessive, poor o/c.; some lst. concretions.
CR-2059-P
9200 — CR-2058-P — Siltstn - to VFG. Sandstn. going to med. grned sst. in part; grey-green, calc. in part., m

INOCERAMUS CREEK SECTION.

0 — CR-2113-P. — Sh: gy, calc. inpt., calc. concretions w. fossils. — EAST OF GUNSIGHT CK.
CR-2110-F
9300 — CR-2111-L(2), CR-2112-L, CR-2111-L(1) — Sst: from 215'-265': flaggy, fossiliferous, porous.; few wood. frags.
Sst: from 187'-215': sl. calc. inpt., f.gr., grey, hard, t.bedded. to massive., worm trails.
200 — CR-2109-P, CR-2108-P — Sh: 2' bed.
Sst: 1' bed, gy, v.f.g., glauc.; worm browsings, ammonites, Inoceramus, all in talus
9400 — Covered.
100 — CR-2107-P — Shale: recessive, poor samples.
9500 — CR-2106-P, CR-2105-P, CR-2104-P, CR-2103-P — Sh: gy.-brn., platy
Sst: v.f.g., gy., hard., concretionary zones.
Shale: grey, silty, recessive; grades up into sand.
0 — CR-2100P, CR-2101P, CR-91L — Sst: v.f.g. to siltstn., hard, green, tite, (volc.); Overlain by SSt: med.→crse., hard
Breccia → conglomerate.
9600 — CR-88L — GUNSIGHT CREEK SECTION.
Samples CR-87P and CR-88L taken on Inoceramus Creek
CR-87P △ — Shaley Siltone to Shale, varicolored, greys, reds, purplish-Green, brown
9700

UPPER CRETACEOUS — MATANUSKA FORMATION

LOWER JURASSIC — TALKEETNA FM