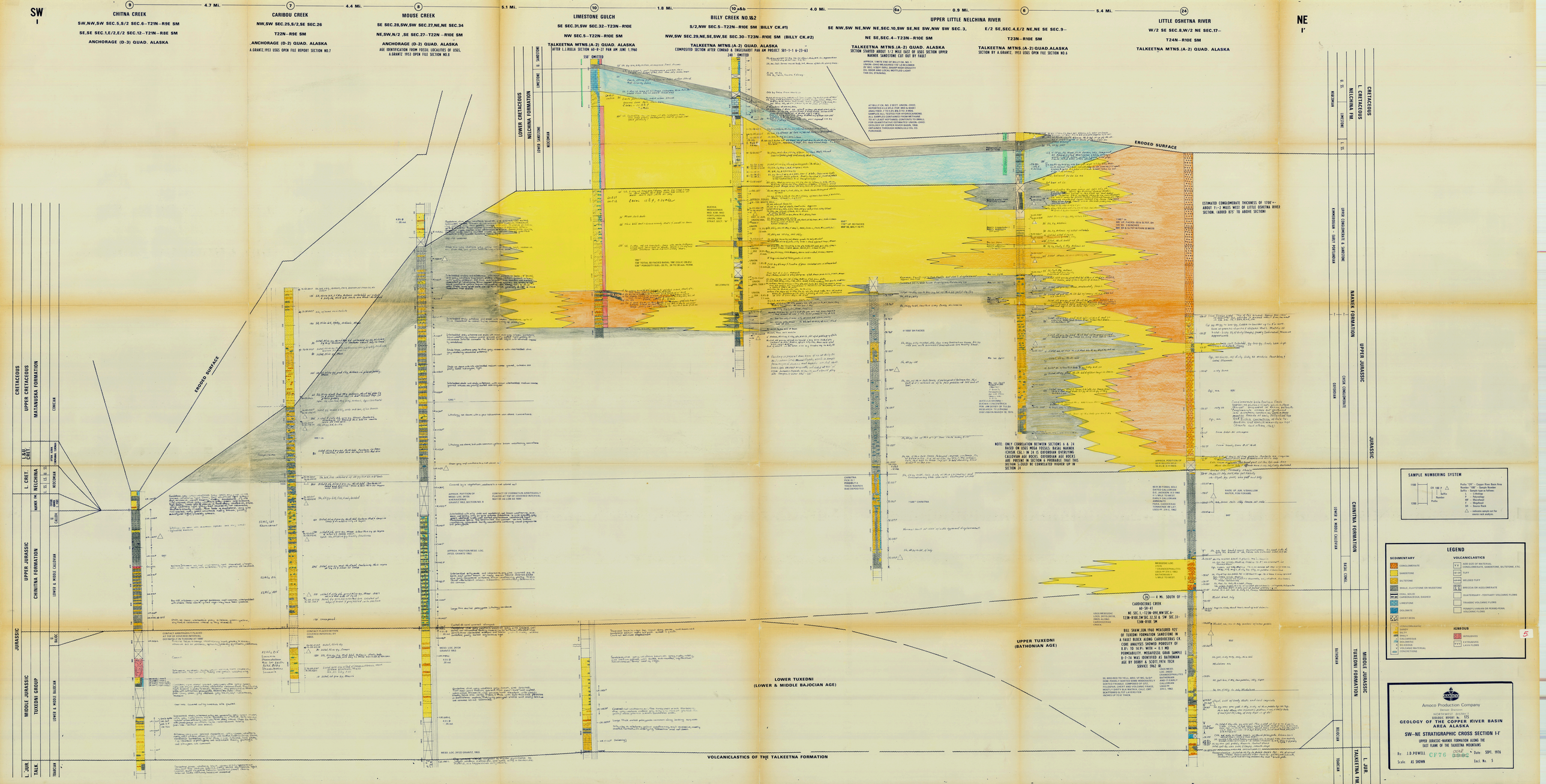
SW
I
NE
I'
9
CHITNA CREEK
SW,NW,SW SEC.5,S/2 SEC.6–T21N–R9E SM
SE,SE SEC.1,E/2,E/2 SEC.12–T21N–R8E SM
ANCHORAGE (D-3) QUAD. ALASKA
4.7 Mi.
7
CARIBOU CREEK
NW,SW SEC.25,S/2,SE SEC.26
T22N–R9E SM
ANCHORAGE (D-2) QUAD. ALASKA
A.GRANTZ,1953 USGS OPEN FILE REPORT SECTION NO.7
4.4 Mi.
8
MOUSE CREEK
SE SEC.28,SW,SW SEC.27,NE,NE SEC.34
NE,SW,N/2 ,SE SEC.27–T22N –R10E SM
ANCHORAGE (D-2) QUAD. ALASKA
AGE IDENTIFICATION FROM FOSSIL LOCALITIES OF USGS, A.GRANTZ 1953 OPEN FILE SECTION NO.8
5.1 Mi.
10
LIMESTONE GULCH
SE SEC.31,SW SEC.32–T23N–R10E
NW SEC.5–T22N–R10E SM
TALKEETNA MTNS.(A-2) QUAD. ALASKA
(AFTER L.J.BUULA SECTION 60-R-27 PAN AM JUNE 1,1960
1.8 Mi.
10a&b
BILLY CREEK NO.1&2
S/2,NW SEC.5–T22N–R10E SM (BILLY CK.#1)
NW,SW SEC.29,NE,SE,SW,SE SEC.30–T23N–R10E SM (BILLY CK.#2)
TALKEETNA MTNS.(A-2) QUAD. ALASKA
COMPOSITED SECTION AFTER CONRAD A. ENGELBRADT PAN AM PROJECT 501-1-1 6-23-63
4.0 Mi.
6a
UPPER LITTLE NELCHINA RIVER
SE NW,SW NE,NW NE,SEC.10,SW SE,NE SW,NW SW SEC.3,
NE SE,SEC.4–T23N–R10E SM
TALKEETNA MTNS.(A-2) QUAD. ALASKA
SECTION STARTED ABOUT 1/2 MILE EAST OF USGS SECTION UPPER NAMEK SANDSTONE CUT OUT BY FAULT
0.9 Mi.
6
E/2 SE,SEC.4,E/2 NE,NE SE SEC.9–
T23N–R10E SM
TALKEETNA MTNS.(A-2) QUAD.ALASKA
SECTION BY A.GRANTZ, 1953 USGS OPEN FILE SECTION NO.6
5.4 Mi.
24
LITTLE OSHETNA RIVER
W/2 SE SEC.8,W/2 NE SEC.17–
T24N–R10E SM
TALKEETNA MTNS.(A-2) QUAD. ALASKA
LOWER CRETACEOUS
NELCHINA FORMATION
U. SS.
LIMESTONE
L. SS.
LOWER SANDSTONE
WISCONSIN
550' OMITTED
240' OMITTED
ERODED SURFACE
ESTIMATED CONGLOMERATE THICKNESS OF 1700'+– ABOUT 1½-2 MILES WEST OF LITTLE OSHETNA RIVER SECTION. (ADDED 875' TO ABOVE SECTION)
NOTE: ONLY CORRELATION BETWEEN SECTIONS 6 & 24 BASED ON USGS MEGA FOSSILS. BASAL NAMEK (CREEK CGL) IN 24 IS OXFORDIAN OVERLYING CALLOVIAN ARE ROCKS. OXFORDIAN AGE ROCKS ARE PRESENT IN SECTION 6 PROBABLE THAT THIS SECTION 5-COULD BE CORRELATED HIGHER UP IN SECTION 24
UPPER TUXEDNI (BATHONIAN AGE)
LOWER TUXEDNI (LOWER & MIDDLE BAJOCIAN AGE)
VOLCANICLASTICS OF THE TALKEETNA FORMATION
(8) – 4 Mi. SOUTH OF CARIBOU CREEK 60-SW-41
NE SEC.1–T23N-R9E,NW SEC.6–T23N-R10E,SW SEC.32,SE & SW SEC.31-T22N-R10E SM
DRL SHOW ZON FROM MEASURED RES. OF TUXEDNI FORMATION SANDSTONE IN A FAULT BLOCK ALONG CARIBOUCREEK CK. CORE ANALYSIS SHOWED POROSITY OF 8.8% TO 14.9% WITH – 0.1 MD PERMEABILITY. MESAROSIA, GRAB SAMPLE 8-7-74 WAS IDENTIFIED AS BATHONIAN AGE BY DERBY & SCOTT,1974 TECH SERVICE 5963 IR.
CRETACEOUS
UPPER CRETACEOUS
MATANUSKA FORMATION
L. CRET.
NELCHINA
L&U CRET.
NAMEK FM.
JURASSIC
UPPER JURASSIC
CHINITNA FORMATION
MIDDLE JURASSIC
TUXEDNI GROUP
L. JUR.
TALK.
ERODED SURFACE
CONTACT ARBITRARILY PLACED AT TOP OF COVERED INTERVAL DEFINITELY IN TUXEDNI AT 1080'
CONTACT PLACED BETWEEN DEFINED INTERVAL BY
CONTACT OF FORMATION ARBITRARILY PLACED AT TOP OF COVERED INTERVAL MAY BE AS LOW AS 1600
APPROX. POSITION OF MESO. LOC. 26136 GRANTZ 1953
APPROX. POSITION MESO. LOC. 26133 GRANTZ 1953
MESO. LOC. 26132 GRANTZ 1953
MESO. LOC. 26134 GRANTZ 1953
CHINITNA FOR 20.1' BELOW THIS MARKER WAS DEPOSITED
BELEMNITE
BUCHIA MEDIOCRIS MED. & RIM -MED FORTLANDIAN UNION 1968 STRAT. DIST. "B"
BUCHIA CONCENTRICA BUCHIA MEDIOCRIS RESEARCH TELEPHONE CONVERSATION MARCH 18, 1976
MEASURING LOC. 26 CARAGOLIANA CARAGOLIANA USGS FP 270 1 1962 USGS FP 270 1 1962 A.WALE TO WEST
USED MESOZOIC LOCS 26133,26136, 26625 ALONG CARIBOUCK PASS CREEK
SE END RED TO YELL. BRD. VF MG. S-S/P DOM POORLY SORTED SOME MODERATELY SORTED SOME CONTAINS MUCH FELDSPAR, CHERT AND VOLCANIC FRAGS. MOSTLY DERY BLA MATRIX, CALC CMT. MOSTLY CALC CMT. MANY FISH HOMES OF TEU TRACK
SAMPLE NUMBERING SYSTEM
CR 100 P
Prefix "CR" – Copper River Basin Area
Number "100" – Sample Number
Suffix – Lithologic Indicator:
L – Lithologic
P – Polyzoaga
F – Foraminifera
B – Brachiopod
SR – Source Rock
indicates sample sent for source rock analysis.
LEGEND
SEDIMENTARY
CONGLOMERATE
SANDSTONE
SILTSTONE
SHALE, CLAYSTONE OR MUDSTONE
COAL, SOLID OR CARBONACEOUS, DASHED
LIMESTONE
DOLOMITE
CHERT BEDS
VOLCANICLASTIC SANDS
SILTY
SHALY
CALCAREOUS
TUFFACEOUS
BENTONITIC
VOLCANIC MATERIAL CONTAINING
VOLCANICLASTICS
ADD SIZE OF MATERIAL
CONGLOMERATE, SANDSTONE, SILTSTONE, ETC.
TUFF
WELDED TUFF
BRECCIA OR AGGLOMERATE
QUATERNARY – TERTIARY VOLCANIC FLOWS
TRIASSIC VOLCANIC FLOWS
PENNSYLVANIAN OR PERMO-PENN. VOLCANIC FLOWS
IGNEOUS
INTRUSIVES
EXTRUSIVES LAVA FLOWS
Amoco Production Company
Exploration Department
GEOLOGIC REPORT No. 135
GEOLOGY OF THE COPPER RIVER BASIN AREA ALASKA
SW–NE STRATIGRAPHIC CROSS SECTION I-I'
UPPER JURASSIC-NAMEK FORMATION ALONG THE EAST FLANK OF THE TALKEETNA MOUNTAINS
By: J.D.POWELL
Date: SEPT. 1976
Scale: AS SHOWN
Encl. No. 5
CP76