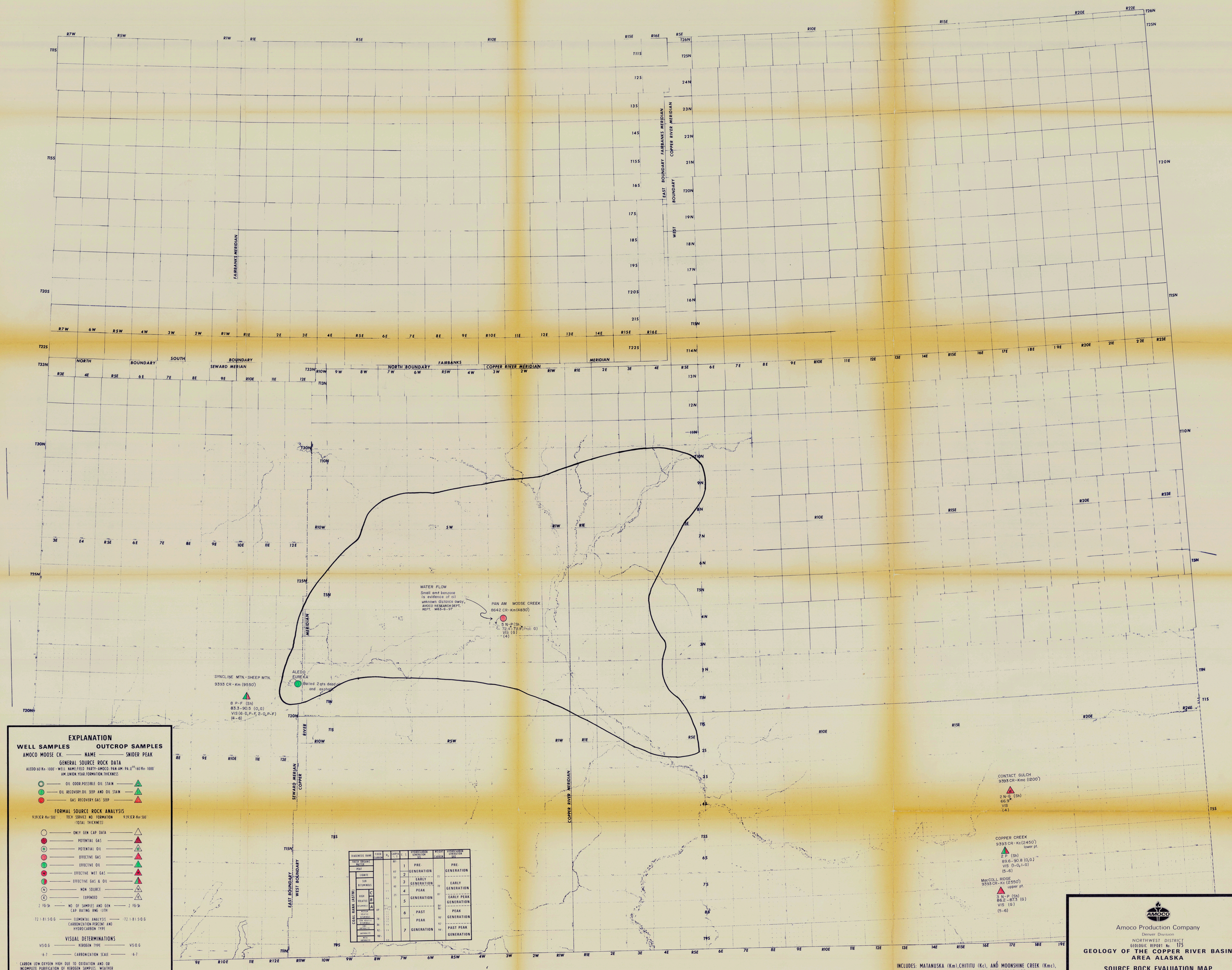

EXPLANATION

WELL SAMPLES — **OUTCROP SAMPLES**

AMOCO MOOSE CK. —— NAME —— SNIDER PEAK

GENERAL SOURCE ROCK DATA

ALEDO(60'Km-1000' - WELL NAME, FIELD PARTY-AMOCO, PAN-AM/PA.U[1](60'Km-1000' AM, UNION, YEAR, FORMATION, THICKNESS

- OIL ODOR, POSSIBLE OIL STAIN
- OIL RECOVERY, OIL SEEP AND OIL STAIN
- GAS RECOVERY, GAS SEEP

FORMAL SOURCE ROCK ANALYSIS

9393CR-Km(500' TECH SERVICE NO. FORMATION 9393CR-Km(500' (TOTAL THICKNESS)

- ONLY GEN CAP DATA
- POTENTIAL GAS
- POTENTIAL OIL
- EFFECTIVE GAS
- EFFECTIVE OIL
- EFFECTIVE WET GAS
- EFFECTIVE GAS & OIL
- NON SOURCE
- EXPENDED

2 FG-Sh —— NO. OF SAMPLES AND GEN CAP RATING RNG (LITH —— 2 FG-Sh

72 1-81 5-O.G —— ELEMENTAL ANALYSIS CARBONIZATION-PERCENT AND HYDROCARBON TYPE —— 72 1-81 5-O.G

VISUAL DETERMINATIONS

VIS-O.G —— KEROGEN TYPE —— VIS-O.G

6-7 —— CARBONIZATION SCALE —— 6-7

CARBON LOW, OXYGEN HIGH DUE TO OXIDATION AND/OR INCOMPLETE PURIFICATION OF KEROGEN SAMPLES. WEATHER OXIDATION OFTEN REDUCES ORGANIC CARBON. EXTRACT QUANTITIES, INTERFERES WITH ELEMENTAL ANALYSIS AND CHANGES KEROGEN APPEARANCES.

(1) X U B-294C DATA FROM UNION-OHIO GEOLOGICAL REPT. COPPER RIVER BASIN, 1958 OBTAINED VIA PURCHASE OF HONOLULU OIL CO.

MODIFIED 4-12-76 AFTER RESEARCH DEPT. REPT. F-74-C-12 F. JOHNSON 12-19-74

DIAGENESIS RANK	FIXED CARBON	R_o	CARYA S.T.	C.S.	HYDROCARBON GENERATION (Oil)	WEIGHT CARBON	HYDROCARBON GENERATION (Gas)
FRESH ORGANIC MATTER			80'	1	PRE-GENERATION		PRE-GENERATION
PEAT			60'	2		75'	
LIGNITE			50'	3	EARLY GENERATION	78'	EARLY GENERATION
SUB BITUMINOUS			40'	4	PEAK GENERATION	81'	
HIGH VOLATILE BITUMINOUS C			25'	5		84'	EARLY PEAK GENERATION
HIGH VOLATILE BITUMINOUS B			0'	6	PAST PEAK GENERATION	86'	PEAK GENERATION
HIGH VOLATILE BITUMINOUS A	69'					90'	
MEDIUM VOLATILE BITUMINOUS	78'					92'	PAST PEAK GENERATION
LOW VOLATILE BITUMINOUS	86'			7		94'	
SEMI-ANTHRACITE	92'						
ANTHRACITE	98'						
WIDE ANTHRACITE							

COAL RANK (ASTM)

INCLUDES: MATANUSKA (Km), CHITITU (Kc), AND MOONSHINE CREEK (Kmc), FORMATIONS-MAINLY OF UPPER CRETACEOUS AGE. IN EASTERN PART OF MAP, BASAL PORTIONS OF THE CHITITU AND MOONSHINE CREEK FORMATIONS MAY BE IN PART OF ALBIAN (LOWER CRET.) AGE.

8.

Amoco Production Company
Denver Division
NORTHWEST DISTRICT
GEOLOGIC REPORT No. 175

GEOLOGY OF THE COPPER RIVER BASIN AREA ALASKA

SOURCE ROCK EVALUATION MAP

UPPER CRETACEOUS

By: J.D. POWELL CF76 ~~0902~~ 0028 Date: SEPT. 1976

Scale: 1"=32,000' Encl. No. 8