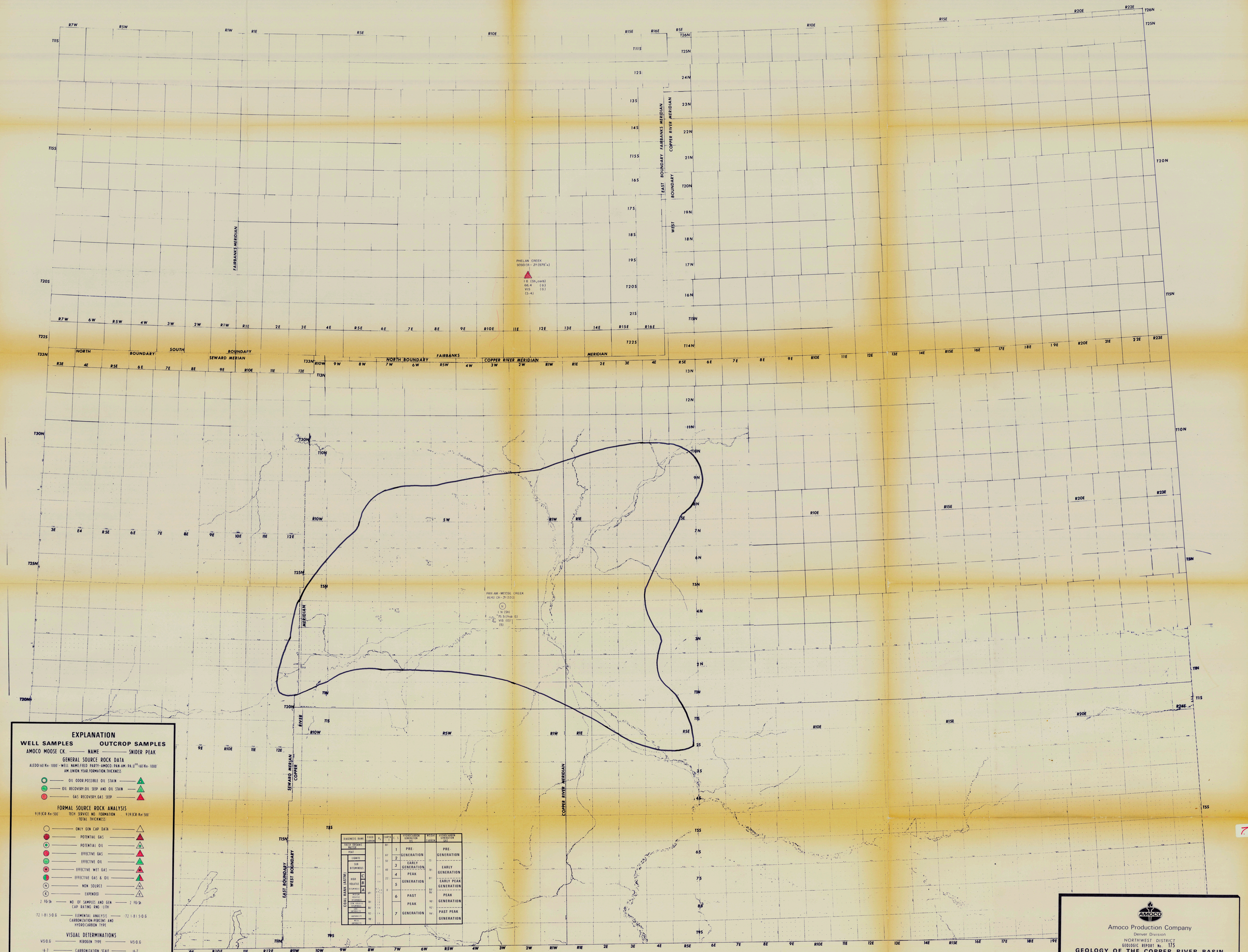

EXPLANATION

WELL SAMPLES — **OUTCROP SAMPLES**

AMOCO MOOSE CK. —— NAME —— SNIDER PEAK

GENERAL SOURCE ROCK DATA

ALEDO(60'Kn-1000'-WELL NAME:FIELD PARTY-AMOCO/PAN-AM/PA.U(1)(60'Kn-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-Kn(500' TECH SERVICE NO. FORMATION (TOTAL THICKNESS) 9393CR-Kn(500'

- 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 5-0.G —— ELEMENTAL ANALYSIS CARBONIZATION-PERCENT AND HYDROCARBON TYPE —— 72 1-81 5-0.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	CARPA I	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		EARLY GENERATION
SUB BITUMINOUS			40'	4	PEAK GENERATION	81'	
HIGH VOLATILE BITUMINOUS C			25'	5		84' 86'	EARLY PEAK GENERATION
HIGH VOLATILE BITUMINOUS B			0	6	PAST PEAK GENERATION	90'	PEAK GENERATION
HIGH VOLATILE BITUMINOUS A	69'			7		92' 94'	PAST PEAK GENERATION
MEDIUM VOLATILE BITUMINOUS	78'						
LOW VOLATILE BITUMINOUS	86'						
SEMI ANTHRACITE	92'						
ANTHRACITE	98'						
MEDIUM ANTHRACITE							

COAL RANK (ASTM)

INCLUDES: POSSIBLE EQUIVALENTS OF FREDERIKA (Tf) FORMATION AT PHELAN CREEK OUTCROP AND PAN AM #1 MOOSE CREEK.

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

GEOLOGY OF THE COPPER RIVER BASIN AREA ALASKA

SOURCE ROCK EVALUATION MAP

TERTIARY
MIOCENE OR YOUNGER

By: J.D.POWELL — Date: SEPT. 1976

Scale: 1"=32,000' — CF76 ~~6902~~ 0008 — Encl. No. 7

7