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(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 9393CR-Kn(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 S-O.G — ELEMENTAL ANALYSIS CARBONIZATION-PERCENT AND HYDRO CARBON TYPE — 72 1-81 S-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	CARBON %	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 C			25%	5			EARLY PEAK GENERATION
HIGH VOLATILE B			0%	6	PAST PEAK GENERATION	88% 90%	PEAK GENERATION
BITUMINOUS A	69%			7		92% 94%	PAST PEAK GENERATION
MEDIUM VOLATILE BITUMINOUS	78%						
LOW VOLATILE BITUMINOUS	86%						
LOW ANTHRACITE	92%						
ANTHRACITE	98%						
MEDIUM ANTHRACITE							

COAL RANK (ASTM)

INCLUDES: LOWER PART OF MATANUSKA (Kmu), AND KENNICOTT (Kk) FORMATIONS-ALBIAN AGE AND NELCHINA FORMATION (Kn)-NEOCOMIAN AGE.

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

GEOLOGY OF THE COPPER RIVER BASIN AREA ALASKA

SOURCE ROCK EVALUATION MAP

LOWER CRETACEOUS

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

Scale: 1"=32,000' Encl. No. 9

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