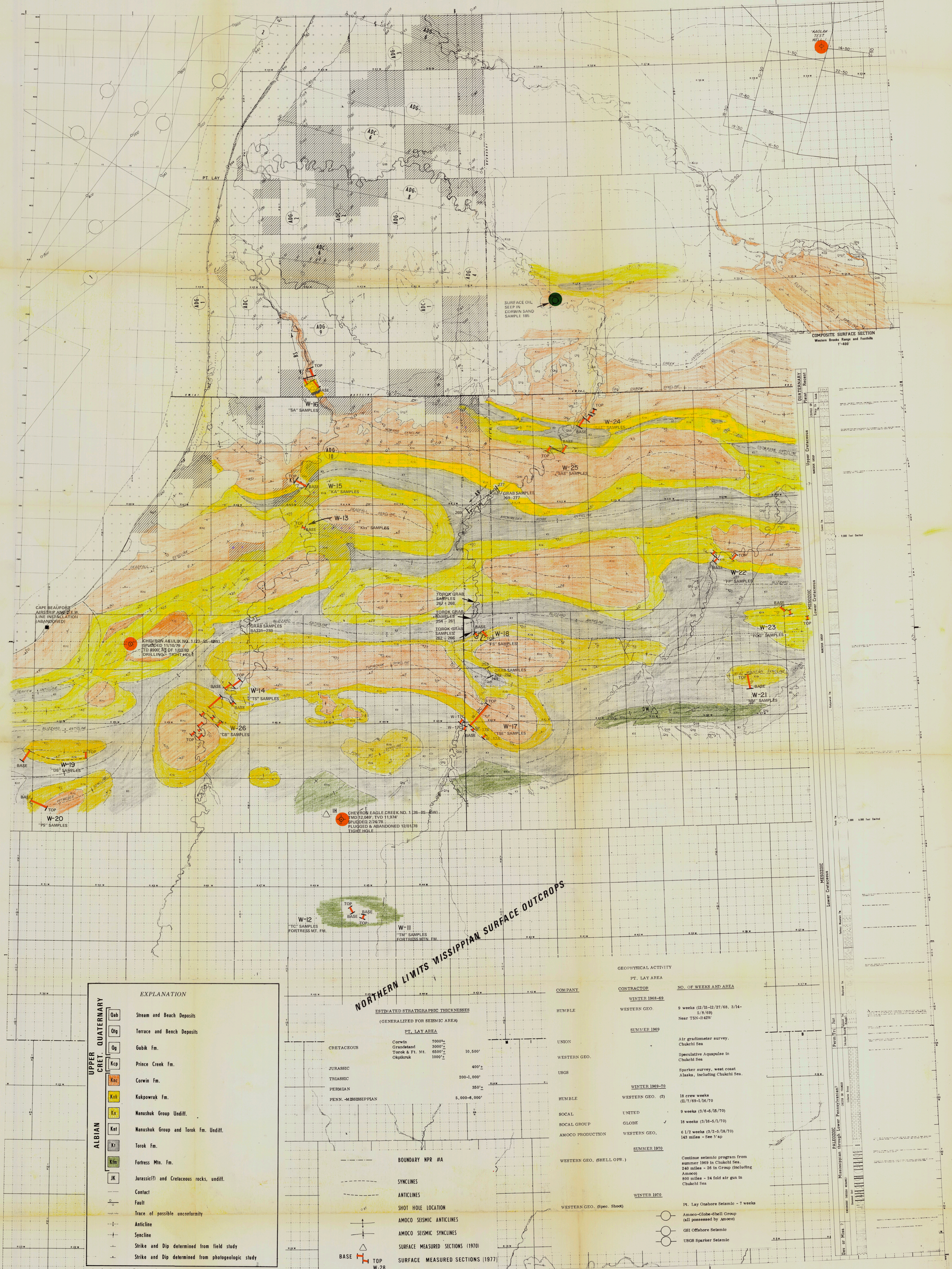




EXPLANATION

UPPER QUATERNARY

- Qab Stream and Beach Deposits
- Qib Terrace and Bench Deposits
- Qg Gubik Fm.
- Kcp Prince Creek Fm.
- Knc Corwin Fm.
- Knc Kukpowruk Fm.
- Knc Nanushuk Group Undiff.
- Knc Nanushuk Group and Torok Fm. Undiff.
- Knc Torok Fm.
- Knc Fortress Mtn. Fm.
- JK Jurassic(?) and Cretaceous rocks, undiff.

ALBIAN

- JK Contact
- JK Fault
- JK Trace of possible unconformity
- JK Anticline
- JK Syncline
- JK Strike and Dip determined from field study
- JK Strike and Dip determined from photogeologic study

NORTHERN LIMITS MISSISSIPPIAN SURFACE OUTCROPS

ESTIMATED STRATIGRAPHIC THICKNESSES
(GENERALIZED FOR SEISMIC AREA)

PERIOD	THICKNESS
CRETACEOUS	7000'± Grandstand 3000'± Torok & Ft. M. 6500'± Okpituk 1000'±
JURASSIC	400'±
TRIASSIC	200-1,000'±
PERMIAN	350'±
PENN.-MISSISSIPPIAN	5,000-6,000'±

BOUNDARY NPR #A

SYNCLINES

ANTICLINES

SHOT HOLE LOCATION

AMOCO SEISMIC ANTICLINES

AMOCO SEISMIC SYNCLINES

SURFACE MEASURED SECTIONS (1970)

SURFACE MEASURED SECTIONS (1977)

BASE

TOP

W-28

COMPANY	CONTRACTOR	NO. OF WEEKS AND AREA
HUMBLE	WINTER 1968-69	9 weeks (12/15-12/27/68, 3/14-5/8/69) Near T33-6420
UNION	SUMMER 1969	Air gradiometer survey, Chukchi Sea
WESTERN GEO.		Speculative Aquapulse in Chukchi Sea
USGS		Sparker survey, west coast Alaska, including Chukchi Sea.
HUMBLE	WINTER 1969-70	18 crew weeks (11/7/69-1/16/70)
SOCAL	UNITED	9 weeks (3/6-6/15/70)
SOCAL GROUP	GLOBE	18 weeks (3/16-5/1/70)
AMOCO PRODUCTION	WESTERN GEO.	6 1/2 weeks (3/2-5/18/70) 143 miles - See 'a' p
WESTERN GEO. (SHELL OPR.)		Continue seismic program from summer 1969 in Chukchi Sea. 240 miles - 26 in Group (including Amoco) 800 miles - 34 fold air gun in Chukchi Sea
WESTERN GEO. (Spec. Shock)	WINTER 1970	Pt. Lay Onshore Seismic - 7 weeks
		Amoco-Globe-shell Group (all possessed by Amoco)
		OSI Offshore Seismic
		USGS Sparker Seismic

JOINTLY HELD AMOCO-UNION ACRES (APPROX. 275,000 GROSS ACRES), WITH 10 YEAR TERM, DUE TO EXPIRE FEBRUARY 28, 1987, WITH A FIRM WELL COMMITMENT BEGINNING IN 1982.

Map original from Encl. 1 of DDGM #145 (1971) by Lloyd Furer

CF 800101

AMOCO

Amoco Production Company
Denver Region
FRONTIER DIVISION
GEOLOGICAL MEMO FR-16-80

INDEX MAP
POINT LAY AREA,
ALASKA

By: K.W. SHERWOOD Date: JAN. 1980
Scale: 1"=16,000' Encl. No. 1