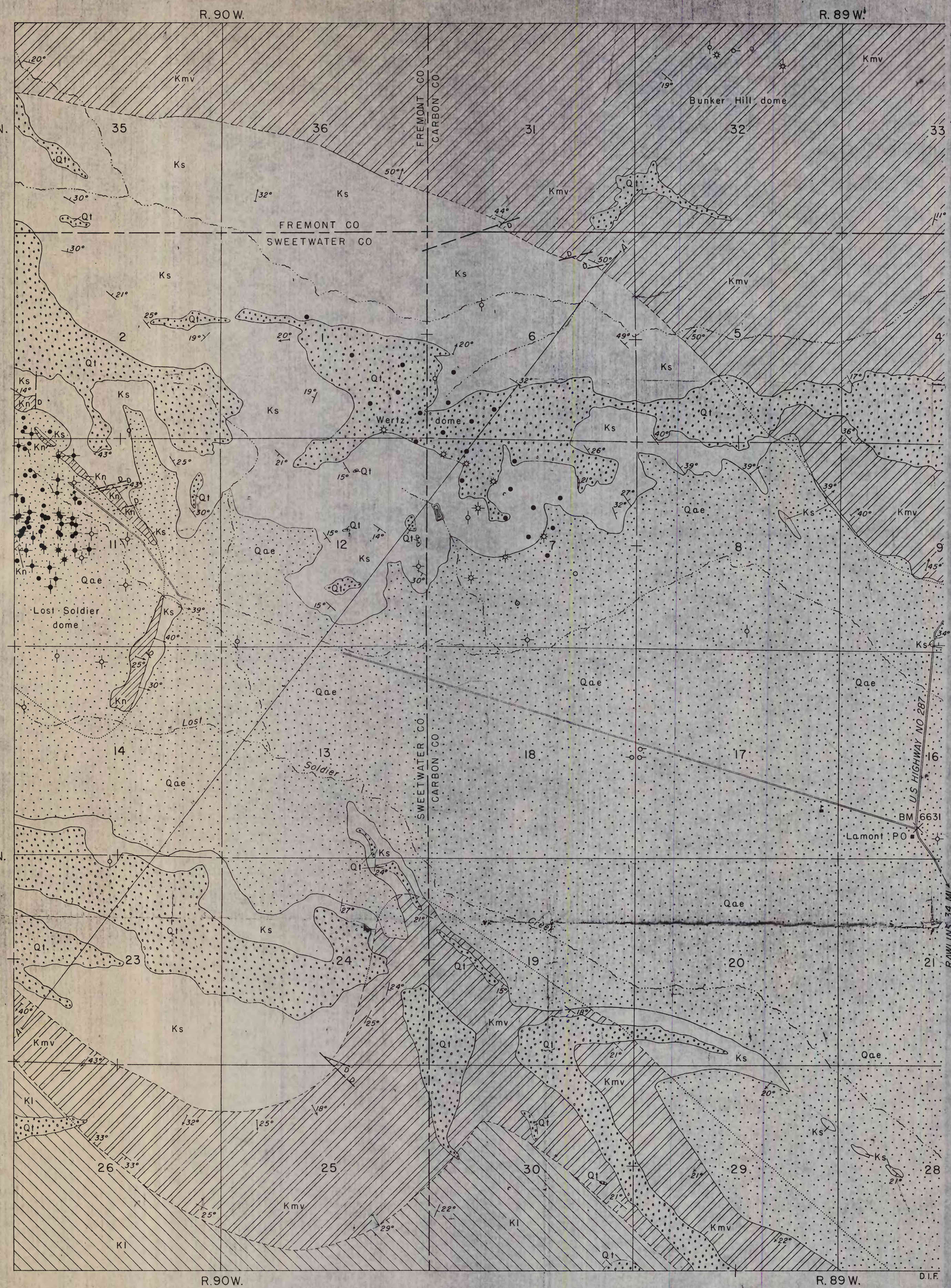
43-28



Base from author's field sheet and U.S. Land Office plats

Geology by W.B. Kramer, assisted by J.M. Cattermole. Surveyed May 24 to July 23, 1941

COLUMNAR SECTION

SYSTEM	SERIES	GROUP	FORMATION	SYMBOL	SECTION
CRETACEOUS	Upper Cretaceous	Montana	Lewis shale	Kl	
			Mesaverde formation	Kmv	
			Steele shale	Ks	
		Colorado	Niobrara and Carlile shales undivided	Knc	
			Frontier formation	Kf	
	Lower Cretaceous		Mowry shale	Kmt	
			Thermopolis shale		
			Cloverly formation	Kcv	Gas-producing zone at Wertz dome; Gas-producing zone at Wertz dome
JURASSIC	Upper Jurassic		Morrison formation	Jms	Green; Green
			Sundance formation		Gas-producing zone at Wertz dome
TRIASSIC			Chugwater formation	Ꞧc	Red; Alcova limestone member; Red
PERMIAN?			Embar formation	Ce	Red
CARBONIFEROUS	Pennsylvanian		Tensleep sandstone	Ct	Oil-producing zone at Wertz dome
			Amsden formation	Ca	Red
	Mississippian?		Madison limestone	Cm	
			UNCONFORMITY		
CAMBRIAN				€	
			UNCONFORMITY		
PRE-CAMBRIAN				p€	

EXPLANATION

Shale
Thin bedded or shaly sandstone
Sandstone or quartzite
Conglomerate
Limestone or dolomite
Sandy limestone
Gypsum or anhydrite
Granite, schist, or other igneous or metamorphic rock

VERTICAL SCALE 0 500 1000 FEET

EXPLANATION

QUATERNARY — Pleistocene? Recent
- Qae — Alluvium and dune sand
- Qt — Terrace gravel

CRETACEOUS — Upper Cretaceous
- Kl — Lewis shale
- Kmv — Mesaverde formation
- Ks — Steele shale
- Kn — Niobrara shale

Structure contours drawn on top of Cloverly formation; contour interval 100 feet; datum mean sea level

Geologic boundary; dashed where inferred; dotted where covered by later deposits

Fault: D, Downthrow

32° Dip and strike of beds

40° Dip of beds

Drilling well or location

Oil well

Oil well shut in

Abandoned oil well

Dry hole which did not reach the Frontier formation

Dry hole which reached the Frontier formation or older rocks

Gas well

Gas well shut in

Abandoned gas well

Water well

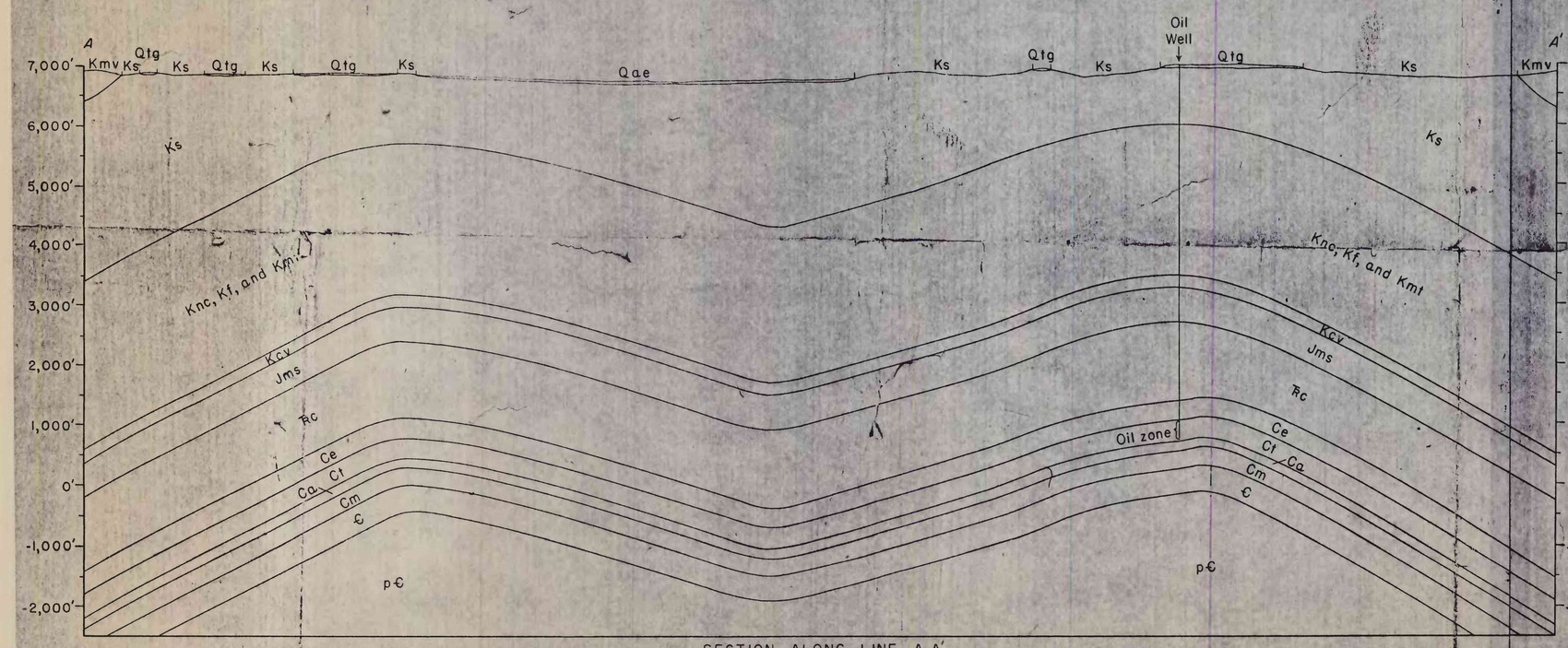
Land corner located

BM X 6631 Bench mark and altitude in ft above mean sea level

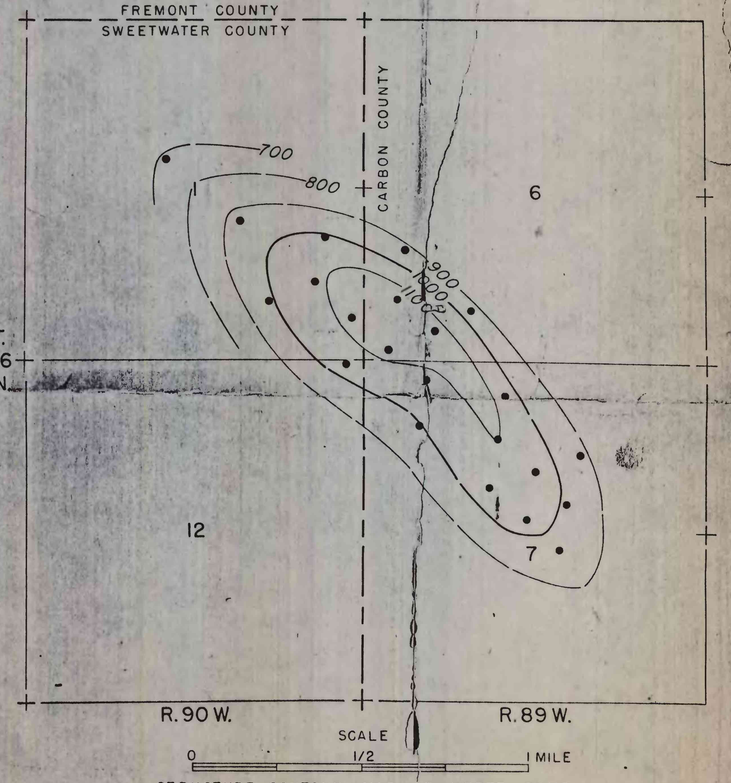
PO Post Office

Schoolhouse

Intermittent streams



SECTION ALONG LINE A-A'



STRUCTURE-CONTOUR MAP OF WERTZ DOME

showing only those wells that reached the oil-producing Tensleep sandstone. Contours drawn on top of the Tensleep; interval 100 feet; datum mean sea level.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

GEOLOGIC MAP AND SECTIONS OF WERTZ DOME AND VICINITY, CARBON, SWEETWATER, AND FREMONT COUNTIES, WYOMING

SCALE 0 1 2 MILES

1943