



COLUMNAR SECTION

VERTICAL SCALE
0 500 1000 FEET

SYSTEM	SERIES	GROUP	FORMATION	AVERAGE THICKNESS	SECTION
CRETACEOUS	UPPER CRETACEOUS	MONTANA	STEELE SHALE	3320'	
			NIORARA & CARLILE SHALES UNDIVIDED	1240'	
			FRONTIER FORMATION	650'	
			MOWRY SHALE	620'	
			THERMOPOLIS SHALE		
	LOWER CRETACEOUS	COLORADO	CLOVERLY FORMATION	110'	
			MORRISON FORMATION	550'	
			SUNDANCE FORMATION		
			CHUGWATER FORMATION	1300'	
			EMBAR FORMATION	270'	
CARBONIFEROUS	MISSISSIPPIAN-VANIAN		TENSLEEP SANDSTONE	350'	
			AMSDEN FORMATION	180'	
			MADISON LIMESTONE	300'	
			UNCONFORMITY UNNAMED FORMATION COMPOSED OF QUARTZITE	410'	
CAMBRIAN			UNCONFORMITY		
PRE-CAMBRIAN					

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
CONSERVATION BRANCH, OIL & GAS LEASING DIVISION
SUBSURFACE GEOLOGIC STRUCTURE MAP OF
WERTZ DOME
SWEETWATER & CARBON COUNTIES, WYOMING.
COMPILED BY E.A.S. NORTHWESTERN NO. 549-3
TRACED BY J.A.W. CASPER, WYOMING.

SCALE
0 1/4 1/2 1 MILE
BASE PREPARED FROM G.L.O. TOWNSHIP PLATS.
WELLS, LEASES AND OTHER INFORMATION FROM GEOLOGICAL SURVEY RECORDS.
ALL SERIAL NUMBERS REFER TO THE CHEYENNE LAND OFFICE.
STRUCTURE CONTOURS DRAWN ON TOP OF TENSLEEP SANDSTONE.
CONTOUR INTERVAL, 50 FEET. DATUM MEAN SEA LEVEL.
1944

LEGEND
● DRILLING WELL
○ DRY HOLE
★ GAS WELL
★ ABANDONED GAS WELL
● OIL WELL
● GAS INJECTION WELL
○ WATER WELL
SUBSCRIPT LETTER SYMBOLS REFER TO DEEPEST FORMATION TESTED, AS FOLLOWS:
Sh STEELE S SUNDANCE
D DAKOTA Tp TENSLEEP
L LAKOTA
--- DEFINED GEOLOGIC STRUCTURE-FEB. 25, 1927.
--- BOUNDARY OF UNIT AREA
TOTAL DEPTH DRILLED IS SHOWN BELOW DRY HOLES.
DEVELOPMENT IS SHOWN AS OF 4-22-44.

COLUMNAR SECTION FROM GEOLOGIC MAP AND SECTION OF WERTZ DOME AND VICINITY BY W.B. KRAMER AND J.M. CATTERMOLE - 1943.
STRUCTURE CONTOURS DRAWN BY E.A. SWEDENBORG FROM WELL DATA.