

TABLE 2. AREAS OF PREDOMINANTLY HIGH THERMAL GRADIENTS ($>35^{\circ}\text{C}/\text{km}$) - continued

AREA NUMBER AND NAME	NUMBER OF WELLS		DEPTHS TO ANOMALOUS BHT'S m			MAXIMUM GRADIENT $^{\circ}\text{C}/\text{km}$	STRATIGRAPHIC LOCATIONS OF ANOMALOUS BHT'S	COMMENTS
	TOTAL	ANOMALOUS	MINIMUM	MAXIMUM	AVERAGE			
M O N T A N A (FIGURE 8)								
14. HAVRE	83	62	88	716	357	171 ^{AV.} 47.0	CRETACEOUS	WEST OF LITTLE ROCKY MOUNTAINS. SHALLOW WELLS OVER BEAR PAW ARCH AND TO THE NORTH. TERTIARY INTRUSIVE AND EXTRUSIVE ROCKS PRESENT. ✓
15. MALTA	12	12	290	410	353	10154.7	CRETACEOUS	SHALLOW WELLS. CORRESPONDS CLOSELY WITH APEX OF BOWDOIN DOME. LARGE EXPOSURES OF CRETACEOUS SHALE. ✓
16. WOLF POINT	93	78	1,158	2,844	2,064	6638.9	PRINCIPALLY DEVONIAN AND MISSISSIPPIAN	CORRESPONDS, IN PART, WITH DOMING WEST OF THE WILLISTON BASIN. ✓
17. PLENTYWOOD	12	11	2,066	3,267	2,342	4336.6	ORDOVICIAN, DEVONIAN, AND MISSISSIPPIAN	NORTHWESTERN WILLISTON BASIN ✓
18. RICHLAND Co.	24	20	2,570	3,773	2,952	4737.0	ORDOVICIAN, DEVONIAN AND MISSISSIPPIAN	WESTERN WILLISTON BASIN ✓
19. MILES CITY	7	7	1,401	1,556	1,449	4037.3	CRETACEOUS KOOTENAI AND MUDDY FORMATIONS	MILES CITY ARCH ✓
20. EKALAKA	7	7	1,255	1,444	1,357	5340.3	CRETACEOUS GREENHORN AND MUDDY FORMATIONS	NORTH END OF BLACK HILLS UPLIFT. ✓
21. NW ROSEBUD Co.	16	12	1,472	1,742	1,549	4637.5	MISSISSIPPIAN AND PENNSYLVANIAN	OVER SUMATRA SYNCLINE AND SUMATRA ANTICLINE. ✓
22. MUSSELSHELL Co	53	43	787	1,790	1,244	5338.2	PRINCIPALLY MISSISSIPPIAN AND PENNSYLVANIAN	INCLUDES PARTS OF POLE CREEK ANTICLINE, AND WILLOW CREEK SYNCLINE. ✓
23. LAUREL	23	22	202	994	513	9052.0	PRINCIPALLY CRETACEOUS	SHALLOW WELLS. EXTENDS ACROSS BIG COULEE-HAILSTONE DOME TO FROMBERG FAULT ZONE. ✓
N E W M E X I C O (FIGURE 9)								
24. CHACO MESA	15	10	1,198	1,949	1,565	4137.0	JURASSIC AND CRETACEOUS	SOUTHERN SAN JUAN BASIN. AT AREA CONSIDERED GENERALLY FAVORABLE FOR THE RECOVERY OF THERMAL WATERS. ✓