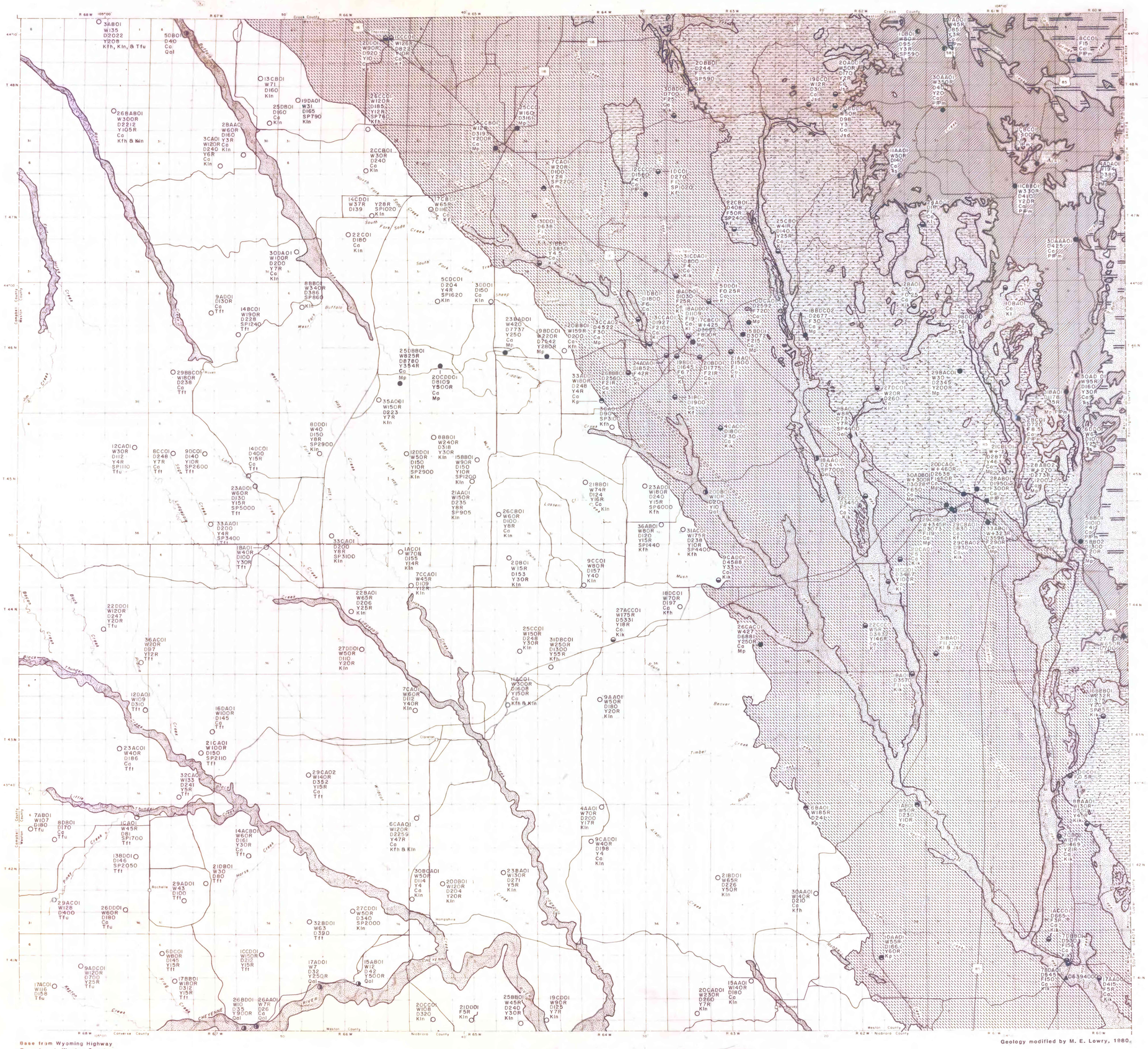


Base from Wyoming Highway Department, Weston County 1:63,360, 1953

Geology modified by M. E. Lowry, 1980

0 2 4 6 8 10 12 14 MILES

0 2 4 6 8 10 12 14 KILOMETERS

EXPLANATION

- ALLUVIUM, INCLUDES SOME LANDSLIDE DEPOSITS IN NORTHEASTERN PART OF COUNTY
- CONTINENTAL SANDSTONE AND SHALE SEQUENCE
- MARINE SHALE SEQUENCE
- MARINE, MARGINAL MARINE, AND CONTINENTAL SANDSTONE AND SHALE SEQUENCE
- RED-BED AND GYPSUM SEQUENCE
- MARINE CARBONATE AND SANDSTONE SEQUENCE
- CONTACT

▲ 06394000 STREAMFLOW-GAGING STATION AND NUMBER

○ WATER WELL--Completed in geohydrologic unit listed below

UNSUCCESSFUL WATER WELL

SPRING

- ● MARINE CARBONATE AND SANDSTONE SEQUENCE (Mp, Pahasapa Limestone; PPm, Minnelusa Formation)
- ◐ RED-BED AND GYPSUM SEQUENCE (Pm, Minnekahta Limestone; Rs, Spearfish Formation)
- ◒ MARINE, MARGINAL MARINE, AND CONTINENTAL SANDSTONE AND SHALE SEQUENCE (Jsd, Sundance Formation; Kik, Inyan Kara Group; Kl, Lakota Formation; Kf, Fall River Formation)
- ◓ MARINE SHALE SEQUENCE (Km, Mowry Shale; Kp, Pierre Shale)
- ○ CONTINENTAL SANDSTONE AND SHALE SEQUENCE (Kfh, Fox Hills Sandstone; Kln, Lance Formation; Tfl, Tullock Member of the Fort Union Formation; Tfu, upper Fort Union Formation)
- ◑ ALLUVIUM (Qal, alluvium)

26BAB01 SECTION-NUMBER SEGMENT OF WELL NUMBER

W 462 DEPTH TO WATER BELOW LAND SURFACE, +15 HEAD ABOVE LAND SURFACE, IN FEET

D 150 DEPTH OF WELL, IN FEET BELOW LAND SURFAOE

F FLOW OF ARTESIAN WELL OR SPRING, IN GALLONS PER MINUTE; < IS LESS THAN

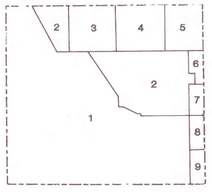
Y YIELD OF PUMPED WELL, IN GALLONS PER MINUTE; GENERALLY NOT THE MAXIMUM YIELD

Ca CHEMICAL ANAYLSIS GIVEN IN TABLE 2

SP SPECIFIC CONDUCTANCE OF WATER, IN MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS; FIELD DETERMINATION

Kl GEOLOGIC SOURCE OF WATER, Kl, LAKOTA FORMATION

R REPORTED DATA; YIELD AND DEPTH TO WATER ONLY



INDEX TO GEOLOGIC MAPPING

1. Dobbin and others (1957)
2. Robinson and others (1964)
3. Mapel and Pillmore (1964)
4. Mapel and Pillmore (1963)
5. Van Lieu (1969)
6. Darton (1904)
7. Brobst and Epstein (1963)
8. Cuppels (1963)
9. Brobst (1961)

Alluvium mapped by K. D. Peter, U.S. Geological Survey (1974)

GEOHYDROLOGIC MAP OF WESTON COUNTY, WYOMING