A
FEET
3000
2900
2800
2700
2600
2500
2400
2300
2200
2100
2000
1900
1800
1700
1600
1500
1400
1300

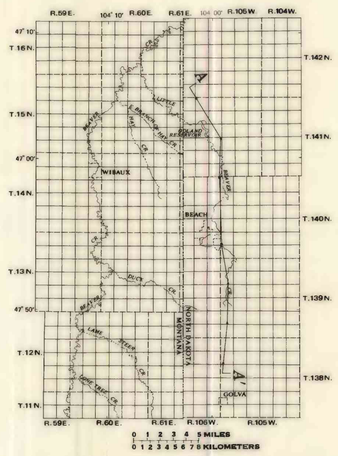
A'
FEET
3000
2900
2800
2700
2600
2500
2400
2300
2200
2100
2000
1900
1800
1700
1600
1500
1400
1300

METERS
925
900
875
850
825
800
775
750
725
700
675
650
625
600
575
550
525
500
475
450
425
400

141-105-05BBB
BEND IN SECTION
141-105-21AAA
Little Beaver Creek
140-106-01AAA
Little Beaver Creek
Little Beaver Creek
140-105-30CCC
139-105-07DCC
Little Beaver Creek
139-105-30DCC
138-105-07CCD

FORT UNION FORMATION
TONGUE RIVER MEMBER
LUDLOW MEMBER (UPPER PART)
EQUIVALENT OF LEBO SHALE MEMBER
LUDLOW MEMBER (LOWER PART)
FORT UNION FORMATION
HELL CREEK FORMATION
FOX HILLS SANDSTONE
PIERRE SHALE

G D
G D
G N
G
G N
G
G N

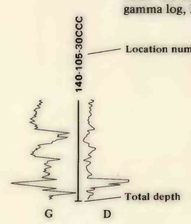



INDEX MAP SHOWING TRACE OF SECTION

EXPLANATION

- HARMON LIGNITE BED (AQUIFER)
- LOWER TONGUE RIVER AQUIFER SYSTEM
- UPPER LUDLOW AQUIFER SYSTEM
- FORMATION CONTACT
- MEMBER CONTACT

TEST HOLE OR WELL WITH GEOPHYSICAL LOG—Letters at bottom of log trace are G-gamma log, D-density log, and N-Neutron log




0 1 2 3 4 5 MILES
0 1 2 3 4 5 6 7 8 KILOMETERS

VERTICAL SCALE GREATLY EXAGGERATED
NATIONAL GEODETIC VERTICAL DATUM OF 1929

HYDROGEOLOGY BY W. F. HORAK, 1983.
CONTACT PICKS ON LOG 140-105-30CCC
BY L. O. ANNA (1980)

# HYDROGEOLOGIC SECTION OF WIBAUX-BEACH STUDY AREA, EASTERN MONTANA AND WESTERN NORTH DAKOTA.