DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

OPEN-FILE 86-465K

SYSTEM OR SERIES

K

K'

UPPER CRETACEOUS

LOWER CRETACEOUS

JURASSIC

TRIASSIC

PERMIAN

K 95
HALBERT 1 FED.WHEATLEY
SE SW SEC.22, T. 42 N., R. 80 W.,
JOHNSON COUNTY, WYOMING
KB 4884'

K 96
WOODS 2 SULLIVAN FED.
SW NW SEC. 15, T. 43 N., R. 77 W.,
JOHNSON COUNTY, WYOMING
KB 4731'

K 97
ANADARKO A-1 PISTOL POINT
NE SE SEC. 22, T. 45 N., R. 76 W.,
CAMPBELL COUNTY, WYOMING
KB 5061'

K 98
INEXCO 10 USA-PRE 1
SW SW SEC. 35, T.47 N., R. 75 W.,
CAMPBELL COUNTY, WYOMING
KB 4822'

K 99
ROYAL RESOURCES 1-27 THRONE
NE NW SEC. 27, T. 47 N., R. 74 W.,
CAMPBELL COUNTY, WYOMING
KB 5007'

K 100
ROYAL RESOURCES 1-22 ROMAKER
NW NW SEC. 22, T. 47 N., R. 73 W.,
CAMPBELL COUNTY, WYOMING
KB 4855'

K 101
READING & BATES 1 LINDE
SW NW SEC. 14, T. 47 N., R. 72 W.,
CAMPBELL COUNTY, WYOMING
KB 4591'

K 102
DAVIS 1 DUNLAP
SE SE SEC. 18, T. 48 N., R. 71 W.,
CAMPBELL COUNTY, WYOMING
KB 4620'

K 103
BRITISH-AMER. 1 GOVT. KIMES
SW SW SEC. 5, T. 47 N., R. 70 W.,
CAMPBELL COUNTY, WYOMING
KB 4709'

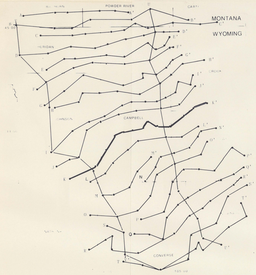
K 104
MOBIL F43-4-P BISHOP
NE SE SEC. 4, T. 47 N., R. 69 W.,
CAMPBELL COUNTY, WYOMING
KB 4369'

K 105
HILL 1-6 BRIDWELL FED.
SE NW SEC. 6, T. 48 N., R. 67 W.,
WESTON COUNTY, WYOMING
KB 4402'

K 106
BREHM 1 NICOLEN
NE NE SEC. 18, T. 49 N., R. 66 W.,
CROOK COUNTY, WYOMING
KB 4290'

K 107
CARNELL 1 GOVT.
NE NW SEC. 26, T. 50 N., R. 65 W.,
CROOK COUNTY, WYOMING
KB 4334'

LANCE FORMATION AND FOX HILLS SANDSTONE, UNDIVIDED
LEWIS SHALE
TECKLA SANDSTONE MEMBER
TEAPOT SANDSTONE MEMBER
MESAVERDE FORMATION
PARKMAN SANDSTONE MEMBER
BASE OF ARDMORE BENTONITE BED
SUSSEX SANDSTONE MEMBERS
SUSSEX SANDSTONE MEMBER
SHANNON SANDSTONE MEMBER
STEELE SHALE
NIOBRARA FORMATION
SAGE BREAKS SHALE
SAGE BREAKS SHALE
FRONTIER FORMATION
BASE OF CLAY SPUR BENTONITE BED
MOWRY SHALE
MUDDY SANDSTONE
SKULL CREEK SHALE
*'DAKOTA SILT'
INYAN KARA GROUP
MORRISON FORMATION
*'UPPER SUNDANCE FORMATION'
*'LOWER SUNDANCE FORMATION'
GYPSUM SPRING FORMATION
CHUGWATER FORMATION
GOOSE EGG FORMATION
MINNELUSA FORMATION
RED BIRD SILTY MEMBER
MITTEN MEMBER
BASE OF ARDMORE BENTONITE BED
SUSSEX SANDSTONE MEMBER
EQUIVALENT
GAMMON FERRUGINOUS MEMBER
PIERRE SHALE
SAGE BREAKS MEMBER
TURNER SANDY MEMBER
GREENHORN LIMESTONE
BELLE FOURCHE SHALE
BASE OF CLAY SPUR BENTONITE BED
MOWRY SHALE
SKULL CREEK SHALE
*'DAKOTA SILT'
INYAN KARA GROUP
MORRISON FORMATION
*'UPPER SUNDANCE FORMATION'
*'LOWER SUNDANCE FORMATION'
GYPSUM SPRING FORMATION
CHUGWATER FORMATION
GOOSE EGG FORMATION
MINNELUSA FORMATION
CARLILE SHALE
NIOBRARA FORMATION
SAGE BREAKS MEMBER
TURNER SANDY MEMBER
GREENHORN LIMESTONE
BELLE FOURCHE SHALE
MOWRY SHALE
SKULL CREEK SHALE
*'DAKOTA SILT'
INYAN KARA GROUP
MORRISON FORMATION
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*'LOWER SUNDANCE FORMATION'
GYPSUM SPRING FORMATION
CHUGWATER FORMATION
GOOSE EGG FORMATION
MINNELUSA FORMATION



Map showing locations of selected wells drilled for oil and gas in the Powder River basin.

EXPLANATION

Correlation line at Group, Formation, Member, or Bentonite boundaries — Queried where correlation is uncertain.

Correlation along an unconformity — Queried where correlation is uncertain.

* Widely used subsurface terminology.

Datum is top of Lower Cretaceous Newcastle Sandstone.

Spontaneous-potential curve

Resistivity curves

Depth of well, in feet below Kelly Bushing (KB)

Vertical scale 1 inch = 200 feet

This illustration is preliminary and has not been edited or reviewed for conformity with Geological Survey standards.

This cross section was prepared in part for the Evaluation of Sedimentary Basins Program

STRATIGRAPHIC CROSS SECTION K – K' SHOWING ELECTRIC LOGS OF UPPER CRETACEOUS AND OLDER ROCKS, POWDER RIVER BASIN, JOHNSON, CAMPBELL, WESTON AND CROOK COUNTIES, WYOMING

BY JAMES E. FOX 1987

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