DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

OPEN FILE 86- 465Q

Q 146
DAVIS 1 VOLLMAN
NW SW SEC. 22, T. 36 N., R. 73 W.,
CONVERSE COUNTY, WYOMING
KB 5795'

Q 147
FELMONT 1-30 FED.
NE SE SEC. 30, T. 36 N., R. 71 W.,
CONVERSE COUNTY, WYOMING
KB 4995'

Q 148
FELMONT 1 MEISNER
NW NW SEC. 10, T. 35 N., R. 70 W.,
CONVERSE COUNTY, WYOMING
KB 4860'

Q 149
INEXCO 1 FEE-34 PRE
NE NE SEC. 1, T. 37 N., R. 70 W.,
CONVERSE COUNTY, WYOMING
KB 4661'

Q 150
SKYLINE 1 DIAMOND SHAMROCK
SW SW SEC. 20, T.39 N., R. 68 W.,
CONVERSE COUNTY, WYOMING
KB 4762'

Q 151
INT.NUC.-KING RES. 1 GOVT.-HOOK
SE SW SEC. 33, T. 40 N., R. 67 W.,
CONVERSE COUNTY, WYOMING
KB 4511'

Q 152
COSDEN 1-A GOVT.
NW SW SEC.3, T. 40 N., R. 66 W.,
NIOBRARA COUNTY, WYOMING
KB 4439'

Q 153
BELCO 1A-36 MORRISEY ST.
SE SW SEC. 36, T. 42 N., R. 64 W.,
WESTON COUNTY, WYOMING
KB 4265'

Q 154
SHELL 31-16 ST.
NW NE SEC. 16, T. 42 N., R. 62 W.,
WESTON COUNTY, WYOMING
KB 3956'

Q 155
REEVES-TRUCHOT-FORD 1-26 GOVT.
NW NW SEC. 26, T. 43 N., R. 61 W.,
WESTON COUNTY, WYOMING
KB 4053'

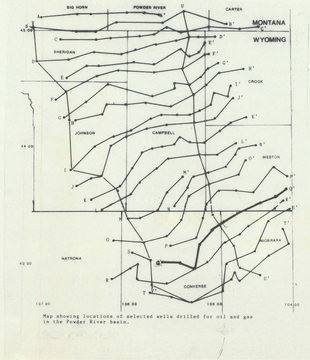
Q

Q'

SYSTEM OR SERIES

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

UPPER CRETACEOUS
LOWER CRETACEOUS
JURASSIC
TRIASSIC
PERMIAN
PENNSYLVANIAN
MISSISSIPPIAN



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 Mowry Shale.

Spontaneous potential curve

Resistivity curves

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

Vertical scale 1 inch = 200 feet

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

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

STRATIGRAPHIC CROSS SECTION Q - Q' SHOWING ELECTRIC LOGS OF UPPER CRETACEOUS AND OLDER ROCKS, POWDER RIVER BASIN, CONVERSE, NIOBRARA AND WESTON COUNTIES, WYOMING

BY JAMES E. FOX 1987

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