

UNITED STATES DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

Wells used in stratigraphic framework studies of the
Powder River basin, Wyoming and Montana

by James E. Fox¹

Open-File Report 86-465W

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Sedimentary Basins Program.

This report is preliminary and has not been reviewed for
conformity with U.S. Geological Survey editorial standards
and stratigraphic nomenclature.

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WELLS USED IN STRATIGRAPHIC FRAMEWORK STUDIES OF THE POWDER RIVER BASIN, WYOMING AND MONTANA

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The wells listed in this report are those used in a study of the Powder River basin of Wyoming and Montana consisting of 22 cross sections showing electric logs of the Upper Cretaceous and older rocks and 31 isopach and structure maps derived from those cross sections. Formation tops and bases and a number of unconformities and bentonite beds were entered into a data base from which the maps were generated by computer. The reports, which will eventually be published in the Atlas of Oil and Gas Data in the Oil and Gas Map series, are listed below as released in open file.

CROSS SECTIONS

Fox, James E., 1986, Stratigraphic cross section A-A' showing electric logs of Upper Cretaceous and older rocks, Powder River basin, Big Horn and Powder River Counties, Montana: U. S. Geological Survey Open-File Report OF 86-465A, 1 sheet.

Fox, James E., 1986, Stratigraphic cross section B-B' showing electric logs of Upper Cretaceous and older rocks, Powder River basin, Big Horn, Powder River, and Carter Counties, Montana and Sheridan County, Wyoming: U. S. Geological Survey Open-File Report OF 86-465B, 1 sheet.

Fox, James E., 1986, Stratigraphic cross section C-C' showing electric logs of Upper Cretaceous and older rocks, Powder River basin, Powder River and Carter Counties, Montana and Sheridan and Campbell Counties, Wyoming: U. S. Geological Survey Open-File Report OF 86-465C, 1 sheet.

Fox, James E., 1986, Stratigraphic cross section D-D' showing electric logs of Upper Cretaceous and older rocks, Powder River basin, Sheridan, Campbell and Crook Counties, Wyoming: U. S. Geological Survey Open-File Report OF 86-465D, 1 sheet.

Fox, James E., 1986, Stratigraphic cross section E-E' showing electric logs of Upper Cretaceous and older rocks, Powder River basin, Sheridan and Campbell Counties, Wyoming: U. S. Geological Survey Open-File Report OF 86-465E, 1 sheet.

Fox, James E., 1986, Stratigraphic cross section F-F' showing electric logs of Upper Cretaceous and older rocks, Powder River basin, Johnson, Sheridan, Campbell and Crook Counties, Wyoming: U. S. Geological Survey Open-File Report OF 86-465F, 1 sheet.

Fox, James E., 1987, Stratigraphic cross section G-G' showing electric logs of Upper Cretaceous and older rocks, Powder River basin, Johnson, Campbell and Crook Counties, Wyoming: U. S. Geological Survey Open-File Report OF 86-465G, 1 sheet.

Fox, James E., 1987, Stratigraphic cross section H-H' showing electric logs of Upper Cretaceous and older rocks, Powder River basin, Johnson, Campbell and Crook Counties, Wyoming: U. S. Geological Survey Open-File Report OF 86-465H, 1 sheet.

Fox, James E., 1987, Stratigraphic cross section I-I' showing electric logs of Upper Cretaceous and older rocks, Powder River basin, Johnson, Campbell and Crook Counties, Wyoming: U. S. Geological Survey Open-File Report OF 86-465I, 1 sheet.

Fox, James E., 1987, Stratigraphic cross section J-J' showing electric logs of Upper Cretaceous and older rocks, Powder River basin, Johnson, Campbell and Crook Counties, Wyoming: U. S. Geological Survey Open-File Report OF 86-465J, 1 sheet.

Fox, James E., 1987, Stratigraphic cross section K-K' showing electric logs of Upper Cretaceous and older rocks, Powder River basin, Johnson, Campbell, Weston and Crook Counties, Wyoming: U. S. Geological Survey Open-File Report OF 86-465K, 1 sheet.

Fox, James E., 1987, Stratigraphic cross section L-L' showing electric logs of Upper Cretaceous and older rocks, Powder River basin, Johnson, Campbell, and Weston Counties, Wyoming: U. S. Geological Survey Open-File Report OF 86-465L, 1 sheet.

Fox, James E., 1987, Stratigraphic cross section M-M' showing electric logs of Upper Cretaceous and older rocks, Powder River basin, Converse and Campbell Counties, Wyoming: U. S. Geological Survey Open-File Report OF 86-465M, 1 sheet.

- Fox, James E., 1987, Stratigraphic cross section N-N' showing electric logs of Upper Cretaceous and older rocks, Powder River basin, Campbell, and Weston Counties, Wyoming: U. S. Geological Survey Open-File Report OF 86-465N, 1 sheet.
- Fox, James E., 1987, Stratigraphic cross section O-O' showing electric logs of Upper Cretaceous and older rocks, Powder River basin, Natrona, Converse, Campbell, and Weston Counties, Wyoming: U. S. Geological Survey Open-File Report OF 86-465O, 1 sheet.
- Fox, James E., 1987, Stratigraphic cross section P-P' showing electric logs of Upper Cretaceous and older rocks, Powder River basin, Converse, Campbell, and Weston Counties, Wyoming: U. S. Geological Survey Open-File Report OF 86-465P, 1 sheet.
- Fox, James E., 1987, Stratigraphic cross section Q-Q' showing electric logs of Upper Cretaceous and older rocks, Powder River basin, Converse, Niobrara, and Weston Counties, Wyoming: U. S. Geological Survey Open-File Report OF 86-465Q, 1 sheet.
- Fox, James E., 1987, Stratigraphic cross section R-R' showing electric logs of Upper Cretaceous and older rocks, Powder River basin, Natrona, Converse, Niobrara and Weston Counties, Wyoming: U. S. Geological Survey Open-File Report OF 86-465R, 1 sheet.
- Fox, James E., 1987, Stratigraphic cross section S-S' showing electric logs of Upper Cretaceous and older rocks, Powder River basin, Converse, Niobrara and Weston Counties, Wyoming: U. S. Geological Survey Open-File Report OF 86-465S, 1 sheet.
- Fox, James E., 1988, Stratigraphic cross section T-T' showing electric logs of Upper Cretaceous and older rocks, Powder River basin, Converse and Niobrara Counties, Wyoming: U. S. Geological Survey Open-File Report OF 86-465T, 1 sheet.
- Fox, James E., 1987, Stratigraphic cross section U-U' showing electric logs of Upper Cretaceous and older rocks, Powder River basin, Powder River County, Montana, and Campbell, Converse and Niobrara Counties, Wyoming: U. S. Geological Survey Open-File Report OF 86-465U, 1 sheet.
- Fox, James E., 1988, Stratigraphic cross section V-V' showing electric logs of Upper Cretaceous and older rocks, Powder River basin, Big Horn County, Montana, and Sheridan, Johnson and Converse Counties, Wyoming: U.S. Geological Survey Open-File Report OF 86-465V, 1 sheet.

MAPS

Fox, J. E., and McGrath, L.A., 1986, Preliminary charts of selected structure and thickness maps and diagrams from the Powder River basin, Wyoming and Montana: U. S. Geological Survey Open-File Report OF 86-385, 5 sheets.

Sheet 1. Structure contour map of the top of the Ardmore bentonite

Sheet 2. Structure contour map of the top of the Minnelusa Formation

Sheet 3. Isopach map of the Teapot Sandstone Member of the Mesaverde Formation

Sheet 4. Isopach map of the Sussex Sandstone Member of the Steele Shale

Sheet 5. Isopach map of Cretaceous strata (top of the Fox Hills Sandstone to the top of the Mowry Shale)

Fox, James E., and Higley, Debra K., 1987, Thickness of Upper Cretaceous rocks from the top of the Niobrara Formation to the base of the Fox Hills Sandstone, Powder River basin, Wyoming and Montana: U.S. Geological Survey Open-File Report OF 87-340A, 1 sheet, scale 1:500,000.

Fox, James E., and Higley, Debra K., 1987, Thickness of Upper Cretaceous Lewis Shale, Powder River basin, Wyoming and Montana: U.S. Geological Survey Open-File Report OF 87-340B, 1 sheet, scale 1:500,000.

Fox, James E., and Higley, Debra K., 1987, Thickness of Teckla Sandstone Member of the Upper Cretaceous Lewis Shale, Powder River basin, Wyoming and Montana: U.S. Geological Survey Open-File Report OF 87-340C, 1 sheet, scale 1:500,000.

Fox, James E., and Higley, Debra K., 1987, Thickness of Upper Cretaceous Mesaverde Formation, Powder River basin, Wyoming and Montana: U.S. Geological Survey Open-File Report OF 87-340D, 1 sheet, scale 1:500,000.

Fox, James E., and Higley, Debra K., 1987, Thickness of Parkman Sandstone Member of the Upper Cretaceous Mesaverde Formation and the Redbird Silty Member of the Pierre Shale, Powder River basin, Wyoming and Montana: U.S. Geological Survey Open-File Report OF 87-340E, 1 sheet, scale 1:500,000.

Fox, James E., and Higley, Debra K., 1987, Thickness of Upper Cretaceous rocks from the base of the Ardmore Bentonite to the base of the Clay Spur Bentonite (top of Lower Cretaceous rocks), Powder River basin, Wyoming and Montana: U.S. Geological Survey Open-File Report OF 87-340F, 1 sheet, scale 1:500,000.

Fox, James E., and Higley, Debra K., 1987, Thickness of Sussex Sandstone Member of the Upper Cretaceous Steele Shale, Powder River basin, Wyoming and Montana: U.S. Geological Survey Open-File Report OF 87-340G, 1 sheet, scale 1:500,000.

Fox, James E., and Higley, Debra K., 1987, Thickness of Shannon Sandstone Member of the Upper Cretaceous Steele Shale, Powder River basin, Wyoming and Montana: U.S. Geological Survey Open-File Report OF 87-340H, 1 sheet, scale 1:500,000.

Fox, James E., and Higley, Debra K., 1987, Thickness of the Teapot Sandstone Member of the Upper Cretaceous Mesaverde Formation, Powder River basin, Wyoming and Montana: U.S. Geological Survey Open-File Report OF 87-340I, 1 sheet, scale 1:500,000.

Fox, James E., and Higley, Debra K., 1987, Thickness of the Upper Cretaceous Niobrara Formation, Powder River basin, Wyoming and Montana: U.S. Geological Survey Open-File Report OF 87-340J, 1 sheet, scale 1:500,000.

Fox, James E., and Higley, Debra K., 1987, Thickness of Upper Cretaceous rocks from the base of the Niobrara Formation to the base of the Clay Spur Bentonite (top of Lower Cretaceous rocks), Powder River basin, Wyoming and Montana: U.S. Geological Survey Open-File Report OF 87-340K, 1 sheet, scale 1:500,000.

Fox, James E., and Higley, Debra K., 1987, Thickness of Upper Cretaceous rocks from the base of the Niobrara Formation to the top of the Frontier Formation, including the Carlile Shale, Greenhorn Formation and Sage Breaks Shale, Powder River basin, Wyoming and Montana: U.S. Geological Survey Open-File Report OF 87-340L, 1 sheet, scale 1:500,000.

Fox, James E., and Higley, Debra K., 1987, Thickness of Upper Cretaceous Greenhorn Formation, Powder River basin, Wyoming and Montana: U.S. Geological Survey Open-File Report OF 87-340M, 1 sheet, scale 1:500,000.

Fox, James E., and Higley, Debra K., 1987, Structure at the top of the Permian Minnelusa Formation, Powder River basin, Wyoming and Montana: U.S. Geological Survey Open-File Report OF 87-340N, 1 sheet, scale 1:500,000.

Fox, James E., and Higley, Debra K., 1987, Thickness of Lower Cretaceous Mowry Shale, Powder River basin, Wyoming and Montana: U.S. Geological Survey Open-File Report OF 87-340 O, 1 sheet, scale 1:500,000.

Fox, James E., and Higley, Debra K., 1987, Thickness of Lower Cretaceous rocks , Powder River basin, Wyoming and Montana: U.S. Geological Survey Open-File Report OF 87-340P, 1 sheet. scale 1:500,000.

Fox, James E., and Higley, Debra K., 1987, Thickness of Upper Cretaceous rocks from the base of the Fox Hills Sandstone to the top of the Lower Cretaceous rocks, Powder River basin, Wyoming and Montana: U.S. Geological Survey Open-File Report OF 87-340Q, 1 sheet, scale 1:500,000.

Fox, James E., and Higley, Debra K., 1987, Thickness of Lower Cretaceous Inyan Kara Group, Powder River basin, Wyoming and Montana: U.S. Geological Survey Open-File Report OF 87-340R, 1 sheet, scale 1:500,000.

Fox, James E., and Higley, Debra K., 1987, Thickness of Jurassic rocks, Powder River basin, Wyoming and Montana: U.S. Geological Survey Open-File Report OF 87-340S, 1 sheet, scale 1:500,000.

Fox, James E., and Higley, Debra K., 1987, Thickness of Triassic rocks, Powder River basin, Wyoming and Montana: U.S. Geological Survey Open-File Report OF 87-340T, 1 sheet, scale 1:500,000.

Fox, James E., and Higley, Debra K., 1987, Thickness of rocks from the surface to the top of the Permian Minnelusa Formation, Powder River basin, Wyoming and Montana: U.S. Geological Survey Open-File Report OF 87-340U, 1 sheet, scale 1:500,000.

Fox, James E., and Higley, Debra K., 1987, Structure at the base of the Upper Cretaceous Fox Hills Sandstone, Powder River basin, Wyoming and Montana: U.S. Geological Survey Open-File Report OF 87-340V, 1 sheet, scale 1:500,000.

Fox, James E., and Higley, Debra K., 1987, Structure at the Upper Cretaceous Ardmore Bentonite Bed, Powder River basin, Wyoming and Montana: U.S. Geological Survey Open-File Report OF 87-340W, 1 sheet, scale 1:500,000.

Fox, James E., and Higley, Debra K., 1987, Structure at the Upper Cretaceous Clay Spur Bentonite Bed, Powder River basin, Wyoming and Montana: U.S. Geological Survey Open-File Report OF 87-340X, 1 sheet, scale 1:500,000.

Fox, James E., and Higley, Debra K., 1987, Structure at the Jurassic unconformity between the "Upper Sundance Formation" and the "Lower Sundance Formation" Powder River basin, Wyoming and Montana: U.S. Geological Survey Open-File Report OF 87-340Y, 1 sheet, scale 1:500,000.

Fox, James E., and Higley, Debra K., 1987, Structure at the top of the Minnekahta Limestone Member of the Permian Goose Egg Formation, Powder River basin, Wyoming and Montana: U.S. Geological Survey Open-File Report OF-340Z, 1 sheet, scale 1:500,000.

WELLS

Following is a list of wells used in the Powder River basin framework studies by Fox (1986) and published as Open File Reports 86-385 and 86-465 A - V.

Cross-section A - A'

A1
King Resources KRC 1-34 Crow
NE, NE, sec. 34, T. 8 S., R. 38 E.
Big Horn County, Montana

A2
Vessels 1-Shell Fed.
NE, SE, sec. 12, T. 8 S., R. 41 E.
Big Horn County, Montana

A3
King Resources 1-16 Amerada State
SE, SE, sec. 16, T. 8 S., R. 43 E.
Big Horn County, Montana

A4
Mobil 1 Kraft
NE, NE, sec. 11, T. 8 S., R. 46 E.
Powder River Co., Montana

A5
Chandler 1 Dutch Gulch Govt.
SE, SW, sec. 10, T. 8 S., R. 48 E.
Powder River Co., Montana

A6
Superior Traub Land and Livestock 1
NW, SW, sec. 18, T. 8 S., R. 50 E.
Powder River Co., Montana

Cross-section B - B'

B7
Shell 11 Crow
SE, SE, sec. 26, T. 9 S., R. 37 E.
Big Horn County, Montana

B8
Mountain Minerals 14-29 Fed. Fordyce
NE, NE, sec. 29, T. 58 N., R. 81 W.
Sheridan Co., Wyoming

B9
Royal Resources 1-29 Fed.-Kendrick
SW, SW, sec. 21, T. 58 N., R. 79 W.
Sheridan Co., Wyoming

B10
Gulf 1 Bates
NE, NW, sec. 11, T. 9 S., R. 45 E.
Powder River Co., Montana

B11
Pure Donnell 1 Portwine
SW, SW, sec. 5, T. 9 S., R. 50 E.
Powder River Co., Montana

B12
Gulf 1 Boyle
NE, SW, sec. 4, T. 8 S., R. 52 E.
Powder River Co., Montana

B13
Davis 1 Govt.-Hagman
NW, NW, sec. 15, T. 9 S., R. 56 E.
Carter Co., Montana

Cross-section C - C'

C14
Shell 1 Govt. Wamsley
SW, SW, sec. 13, T. 57 N., R. 83 W.
Sheridan Co., Wyoming

C15
Amerada 1 Govt. Cranston
NE, SE, sec. 17, T. 57 N., R. 79 W.
Sheridan Co., Wyoming

C16
Shell 1 Clear Creek
NW, SE, sec. 11, T. 57 N., R. 78 W.
Sheridan Co., Wyoming

C17
Davis 1 Wallick-Dobrenz
SW, SW, sec. 3, T. 57 N., R. 75 W.
Campbell Co., Wyoming

C18
Jenkins 1 Jenkins
NE, SE, sec. 35, T. 58 N., R. 74 W.
Campbell Co., Wyoming

C19
Mesa 1 USA Mc Bride
SW, SW, sec. 23, T. 9 S., R. 50 E.
Powder River Co., Montana

C20

Davis 1 Fed. Rogers
SE, SW, sec. 23, T. 58 N., R. 71 W.
Campbell Co., Wyoming

C21

Trigg 1 Govt. Humble
C Lot 14, sec. 31, T. 9 S., R. 53 E.
Powder River Co., Montana

C22

Gary 23-1 Bruner
SW, NE, sec. 23, T. 9 S., R. 54 E.
Powder River Co., Montana

C23

Great Western 1 Govt. 1 Anthony
SW, NE, sec. 35, T. 9 S., R. 57 E.
Carter Co., Montana

C24

Union 1 Govt.- Newton
NW, SW, sec. 23, T. 9 S., R. 59 E.
Carter Co., Montana

Cross-section D - D'

D25

Shell 1 Detampl
SE, NW, sec. 22, T. 55 N., R. 85 W.
Sheridan Co., Wyoming

D26

Davis 1 Dodd
NW, NW, sec. 14, T. 55 N., R. 82 W.
Sheridan Co., Wyoming

D27

Amerada 1 Boland
C Lot 8, sec. 19, T. 56 N., R. 79 W.
Sheridan Co., Wyoming

D28

Davis 1 Clarke-Fed.
SE, NE, sec. 27, T. 56 N., R. 77 W.
Sheridan Co., Wyoming

D29

Glen Dow 1 Govt.-Kirby
NE, NE, sec. 18, T. 56 N., R. 75 W.
Campbell Co., Wyoming

D30

Goodstein 1 Goodstein-Mobil
Tract 56, sec. 36, T. 57 N., R. 74 W.
Campbell Co., Wyoming

D31

Far West Trading 1 Federal
NW, NW, sec. 25, T. 57 N., R. 72 W.
Campbell Co., Wyoming

D32

Sam Gary 1 Fed.- Beagle
NW, NW, sec. 17, T. 57 N., R. 70 W.
Campbell Co., Wyoming

D33

Oil Resources 1 Trail Creek Grazing
S2, NE, sec. 7, T. 57 N., R. 69 W.
Campbell Co., Wyoming

D34

Mule Creek Oil 1-1212
SW, NW, sec. 12, T. 57 N., R. 68 W.
Crook Co., Wyoming

Cross-section E - E'

E35

Anschutz-Moncrief-Sohio 1 Fairbanks - Krezelok
NW, NW, sec. 3, T. 53 N., R. 82 W.
Sheridan Co., Wyoming

E36

Anschutz 1 Faddis-Kennedy
NW, NE, sec. 33, T. 55 N., R. 80 W.
Sheridan Co., Wyoming

E37

Cleary 1-33 Fed.
NE, NE, sec. 33, T. 55 N., R. 79 W.
Sheridan Co., Wyoming

E38

Brinkerhoff 2456-1
NW, NW, sec. 24, T. 55 N., R. 76 W.
Campbell Co., Wyoming

E39

Amarillo 1 Dow State
SE, SW, sec. 25, T. 55 N., R. 74 W.
Campbell Co., Wyoming

E40

Texas Nat. 1-9 Swineheart
SE, SE, sec. 9, T. 56 N., R. 71 W.
Campbell Co., Wyoming

E41

Davis 1 Fed. Snyder
SE, NW, sec. 5, T. 55 N., R. 70 W.
Campbell Co., Wyoming

E42

Kingwood 1 Fed.
NW, SE, sec. 19, T. 56 N., R. 69 W.
Campbell Co., Wyoming

E43

Davis 1 Shannon
SW, Tract 5i, sec. 26, T. 57 N., R. 69 W.
Campbell Co., Wyoming

Cross-section E - E'

F44

Reasor Tarbet 1
SW, NW, sec. 4, T. 51 N., R. 83 W.
Johnson Co., Wyoming

F45

Austral Buell 1
SE, NW, sec. 9, T. 52 N., R. 82 W.
Johnson Co., Wyoming

F46

Royal 1-27 Rietveld
NE, NW, sec. 27, T. 54 N., R. 79 W.
Sheridan Co., Wyoming

F47

Trigood Ingram A1
NE, SE, sec. 9, T. 54 N., R. 77 W.
Sheridan Co., Wyoming

F48

MKM Parnell 1-A
NW, SW, sec. 24, T. 54 N., R. 74 W.
Campbell Co., Wyoming

F49

Reading and Bates 2 Norfolk
SE, NW, sec. 10, T. 54 N., R. 71 W.
Campbell Co., Wyoming

F50

Kirkwood 42X-35
SE, NE, sec. 35, T. 56 N., R. 69 W.
Campbell Co., Wyoming

F51

Vickers 1 Chenoweth
NW, NE, sec. 30, T. 56 N., R. 68 W.
Crook Co., Wyoming

Cross-section G - G'

G52

Mapco 1-30 Fed.
NW, SE, sec. 30, T. 50 N., R. 82 W.
Johnson Co., Wyoming

G53

Davis 1 Healey-Fed.
SE, SE, sec. 8, T. 51 N., R. 80 W.
Johnson Co., Wyoming

G54

Texaco 1 Govt. O'Connell NCT 1
SW, NW, sec. 21, T. 53 N., R. 77 W.
Johnson Co., Wyoming

G55

Davis 1-X Skyline-Fed.
SE, SE, sec. 22, T. 52 N., R. 74 W.
Campbell Co., Wyoming

G56

Texaco 1 Adon
NW, NE, sec. 2, T. 52 N., R. 72 W.
Campbell Co., Wyoming

G57

Goodstein 14-1 Govt.
SE, NW, sec. 14, T. 53 N., R. 72 W.
Campbell Co., Wyoming

G58

Davis 1 Hatfield-Fed.
SW, SW, sec. 20, T. 53 N., R. 70 W.
Campbell Co., Wyoming

G59

Brehm Govt. Kewanee 1
NE, SE, sec. 32, T. 54 N., R. 69 W.
Campbell Co., Wyoming

G60
Pan Am 1 N. Prairie Creek
SW, SE, sec. 1, T. 54 N., R. 69 W.
Campbell Co., Wyoming

G61
Murphy 1 Clayton State
SW, SW, sec. 18, T. 55 N., R. 67 W.
Crook Co., Wyoming

Cross-section H - H'

H62
Woods 8-1 Skyline Hakert-Fed.
SE, NE, sec. 8, T. 49 N., R. 81 W.
Johnson Co., Wyoming

H63
Davis 1 Flying E-Fed.
SE, SE, sec. 14, T. 50 N., R. 79 W.
Johnson Co., Wyoming

H64
Davis 1 Abko-Fed.
NE, NE, sec. 20, T. 51 N., R. 78 W.
Johnson Co., Wyoming

H65
Goodstein 1 Goodstein-MKM
SE, SE, sec. 24, T. 51 N., R. 77 W.
Johnson Co., Wyoming

H66
Webb 24-1 Webb-Fed.
NE, NE, sec. 24, T. 51 N., R. 75 W.
Campbell Co., Wyoming

H67
Sinclair 1 Grams
SW, SE, sec. 28, T. 51 N., R. 72 W.
Campbell Co., Wyoming

H68
Davis 1 Josephine
SW, SE, sec. 27, T. 52 N., R. 70 W.
Campbell Co., Wyoming

H69
Chorney 13-25 Allen-Fee
NW, SW, sec. 25, T. 53 N., R. 69 W.
Campbell Co., Wyoming

H70
Gary 1 ES Adams
NE, NE, sec. 19, T. 54 N., R. 67 W.
Crook Co., Wyoming

Cross-section I - I'

I72
Embar 1 Govt.
NE, SE, sec. 26, T. 45 N., R. 82 W.
Johnson Co., Wyoming

I73
Phillips 1 Faxla-A
NW, NW, sec. 18, T. 47 N., R. 79 W.
Johnson Co., Wyoming

I74
Davis 1 Burness-Fed.
NE, NE, sec. 23, T. 48 N., R. 78 W.
Johnson Co., Wyoming

I75
Chevron 1 Chevron Ranger Fed.
NW, SW, sec. 34, T. 49 N., R. 76 W.
Campbell Co., Wyoming

I76
Union 1 E 34 Sparta Fed.
SW, NW, sec. 34, T. 50 N., R. 74 W.
Campbell Co., Wyoming

I77
Shell 16-1 State
NW, NW, sec. 16, T. 50 N., R. 73 W.
Campbell Co., Wyoming

I78
Davis 1 Kluver
NE, NE, sec. 24, T. 50 N., R. 72 W.
Campbell Co., Wyoming

I79
Tiger 1 Fed.-Halladay
SW, SW, sec. 17, T. 50 N., R. 70 W.
Campbell Co., Wyoming

I80

Midroc 32-6 Woolsey
SW, NE, sec. 6, T. 50 N., R. 69 W.
Campbell Co., Wyoming

I81

Petroleum Inc. 1 Forney
NW, NW, sec. 20, T. 51 N., R. 68 W.
Crook Co., Wyoming

I82

Gary 1-A Fed.
NE, SW, sec. 15, T. 52 N., R. 68 W.
Crook Co., Wyoming

I83

Terry 1 Peterson
SW, SW, sec. 25, T. 52 N., R. 67 W.
Crook Co., Wyoming

I84

Ozark 1 Zimmerschied-A
NW, SE, sec. 19, T. 53 N., R. 66 W.
Crook Co., Wyoming

Cross-section J - J'

J85

Roberts 1 Mobil Rissler
SW, NE, sec. 8, T. 43 N., R. 81 W.
Johnson Co., Wyoming

J86

Shell 22X-23 Govt.
SE, NW, sec. 23, T. 44 N., R. 80 W.
Johnson Co., Wyoming

J87

Shell 13X-11B Montgomery
NW, SW, sec. 11, T. 44 N., R. 79 W.
Johnson Co., Wyoming

J88

Publishers 1-14 Fed.
NW, SE, sec. 14, T. 47 N., R. 78 W.
Johnson Co., Wyoming

J89

Pure 1 Unit
NE, NW, sec. 20, T. 48 N., R. 76 W.
Johnson Co., Wyoming

J90

Nat. Coop Ref. 1 Fed. Barlow
SE, SE, sec. 31, T. 49 N., R. 74 W.
Campbell Co., Wyoming

J91

Anschutz 1 Anadarko Fed.
NE, SE, sec. 19, T. 49 N., R. 72 W.
Campbell Co., Wyoming

J92

Nat. Coop Ref. 1 Govt.
NW, SE, sec. 15, T. 49 N., R. 70 W.
Campbell Co., Wyoming

J93

Arcol 1 Lester
SW, NW, sec. 35, T. 50 N., R. 68 W.
Crook Co., Wyoming

J94

Mule Creek 1-4433 Griffith
SE, SE, sec. 33, T. 52 N., R. 66 W.
Crook Co., Wyoming

Cross-section K - K'

K95

Halbert 1 Fed. Wheatley
SE, SW, sec. 22, T. 42 N., R. 80 W.
Johnson Co., Wyoming

K96

Woods 2 Sullivan Fed.
SW, NW, sec. 15, T. 43 N., R. 77 W.
Johnson Co., Wyoming

K97

Anadarko A-1 Pistol Point
NE, SE, sec. 22, T. 45 N., R. 76 W.
Campbell Co., Wyoming

K98

Inexco 10 USA-Pre 1
SW, SW, sec. 35, T. 47 N., R. 75 W.
Campbell Co., Wyoming

K99

Royal Resources 1-27 Throne
NE, NW, sec. 27, T. 47 N., R. 74 W.
Campbell Co., Wyoming

K100
Royal Resources 1-22 Romaker
NW, NW, sec. 22, T. 47 N., R. 73 W.
Campbell Co., Wyoming

K101
Reading and Bates 1 Linde
SW, NW, sec. 14, T. 47 N., R. 72 W.
Campbell Co., Wyoming

K102
Davis 1 Dunlap
SE, SE, sec. 18, T. 48 N., R. 71 W.
Campbell Co., Wyoming

K103
British-Amer. 1 Govt. Kimes
SW, SW, sec. 5, T. 47 N., R. 70 W.
Campbell Co., Wyoming

K104
Mobil F43-4-P Bishop
NE, SE, sec. 4, T. 47 N., R. 69 W.
Campbell Co., Wyoming

K105
Hill 1-6 Bridwell Fed.
SE, NW, sec. 6, T. 48 N., R. 67 W.
Weston Co., Wyoming

K106
Brehm 1 Nicolen
NE, NE, sec. 18, T. 49 N., R. 66 W.
Crook Co., Wyoming

K107
Carnell 1 Govt.
NE, NW, sec. 26, T. 50 N., R. 65 W.
Crook Co., Wyoming

Cross-section L = L'

L108
True 24-23 Broyles Fed.
SE, SW, sec. 23, T. 41 N., R. 79 W.
Johnson Co., Wyoming

L109
Mitchell 1 Taylor Ranch
SE, SE, sec. 9, T. 42 N., R. 76 W.
Campbell Co., Wyoming

L110
Miami 1 Camblin
NW, NW, sec. 4, T. 43 N., R. 75 W.
Campbell Co., Wyoming

L111
Royal Resources 1-30 Southland Royalty Fed
NW, NW, sec. 30, T. 45 N., R. 73 W.
Campbell Co., Wyoming

L112
Superior 1 Chorney Govt.
NE, NE, sec. 30, T. 46 N., R. 72 W.
Campbell Co., Wyoming

L113
Coquina 1 Rene-Fed.
NE, NE, sec. 18, T. 46 N., R. 69 W.
Campbell Co., Wyoming

L114
Echo 34-14 Keeline
SW, SE, sec. 14, T. 46 N., R. 68 W.
Weston Co., Wyoming

L115
Vaughn 1 Materi
SW, SE, sec. 2, T. 47 N., R. 66 W.
Weston Co., Wyoming

Cross-section M = M'

M116
Sinclair 1 Wind Creek
SE, SW, sec. 17, T. 40 N., R. 76 W.
Converse Co., Wyoming

M117
Amoco 1 Antelope State
SW, SW, sec. 16, T. 40 N., R. 75 W.
Converse Co., Wyoming

M118
Kerr-McGee 1 Fed.- Amerada
NW, SW, sec. 29, T. 41 N., R. 73 W.
Converse Co., Wyoming

M119
Yates 1 Reno Flats
NW, NW, sec. 6, T. 42 N., R. 72 W.
Campbell Co., Wyoming

M120

King Res. 1-16 Conoco State
NW, SE, sec. 16, T. 44 N., R. 71 W.
Campbell Co., Wyoming

Cross-section N = N'

N121

Conoco 1 Spring Creek
NE, NE, sec. 15, T. 41 N., R. 72 W.
Campbell Co., Wyoming

N122

Texaco 2 Putnam Govt.
NW, NE, sec. 25, T. 43 N., R. 71 W.
Campbell Co., Wyoming

N123

Apache 1 Govt.- Winn
NE, NE, sec. 21, T. 44 N., R. 70 W.
Campbell Co., Wyoming

N124

Davis 1 Fed.-Keeline
NE, SE, sec. 1, T. 44 N., R. 69 W.
Campbell Co., Wyoming

N125

Farmers 1 Sapphire-Miller
SW, SE, sec. 22, T. 45 N., R. 67 W.
Weston Co., Wyoming

N126

Sinclair 1 Moore
SE, SE, sec. 10, T. 46 N., R. 66 W.
Weston Co., Wyoming

N127

Schlaikjer 1-25 Webster
SW, SW, sec. 25, T. 47 N., R. 66 W.
Weston Co., Wyoming

N128

Ozark 1 Fed.
NW, SW, sec. 14, T. 47 N., R. 64 W.
Weston Co., Wyoming

Cross-section O = O'

O129

Tesoro 11X23 Govt.
NW, NW, sec. 23, T. 38 N., R. 78 W.
Natrona Co., Wyoming

O130

Superior 1 Govt. Tracey
SE, NW, sec. 26, T. 38 N., R. 75 W.
Converse Co., Wyoming

O131

Champlin 1 Hartley Fed.
SW, NE, sec. 11, T. 38 N., R. 73 W.
Converse Co., Wyoming

O132

Woods 1 Dilts Fed.
NE, SE, sec. 21, T. 40 N., R. 71 W.
Converse Co., Wyoming

O133

Gose 1 Union Texas
SE, SE, sec. 18, T. 42 N., R. 70 W.
Campbell Co., Wyoming

O134

Rochelle 1 Govt.
NW, SE, sec. 1, T. 43 N., R. 69 W.
Campbell Co., Wyoming

O135

Provident 1 Malloy
SW, NE, sec. 11, T. 44 N., R. 66 W.
Weston Co., Wyoming

O136

Champlin 1 Kummerle
NE, SW, sec. 3, T. 45 N., R. 65 W.
Weston Co., Wyoming

Cross-section P = P'

P137

Davis 1 Steiner
NE, NE, sec. 7, T. 37 N., R. 72 W.
Converse Co., Wyoming

P138

Inexco 1 USA 42
SE, SE, sec. 10, T. 38 N., R. 70 W.
Converse Co., Wyoming

P139

Dynaco 1 State
NW, NW, sec. 16, T. 40 N., R. 69 W.
Converse Co., Wyoming

P140

Chandler 1 Skyline-Webb-Fed.

NW, NW, sec. 2, T. 41 N., R. 69 W.
Campbell Co., Wyoming

P141

Grynberg 1 Govt.

NE, NW, sec. 25, T. 43 N., R. 68 W.
Weston Co., Wyoming

P142

True 22-27 Grynberg Govt.

SE, NW, sec. 27, T. 43 N., R. 66 W.
Weston Co., Wyoming

P143

Tenneco 1 USA-McCamly

SE, NE, sec. 31, T. 43 N., R. 64 W.
Weston Co., Wyoming

P144

Winkler 1 Engle Ranch

SW, NE, sec. 20, T. 45 N., R. 62 W.
Weston Co., Wyoming

P145

Smith 1 Govt.

NE, SE, sec. 15, T. 44 N., R. 61 W.
Weston Co., Wyoming

Cross-section Q - Q'

Q146

Davis 1 Vollman

NW, SW, sec. 22, T. 36 N., R. 73 W.
Converse Co., Wyoming

Q147

Felmont 1-30 Fed.

NE, SE, sec. 30, T. 36 N., R. 71 W.
Converse Co., Wyoming

Q148

Felmont 1 Meisner

NW, NW, sec. 10, T. 35 N., R. 70 W.
Converse Co., Wyoming

Q149

Inexco 1 FEE-34 PRE

NE, NE, sec. 1, T. 37 N., R. 70 W.
Converse Co., Wyoming

Q150

Skyline 1 Diamond Shamrock

SW, SW, sec. 20, T. 39 N., R. 68 W.
Converse Co., Wyoming

Q151

Int. Nuc.-King Res. 1 Govt.-Howk

SE, SW, sec. 33, T. 40 N., R. 67 W.
Converse Co., Wyoming

Q152

Cosden 1-A Govt.

NW, SW, sec. 3, T. 40 N., R. 66 W.
Niobrara Co., Wyoming

Q153

Belco 1A-36 Morrissey St.

SE, SW, sec. 36, T. 42 N., R. 64 W.
Weston Co., Wyoming

Q154

Shell 31-16 St.

NW, NE, sec. 16, T. 42 N., R. 62 W.
Weston Co., Wyoming

Q155

Reeves-Truchot-Ford 1-26 Govt.

NW, NW, sec. 26, T. 43 N., R. 61 W.
Weston Co., Wyoming

Cross-section R - R'

R156

Continental 1 McGarth

NW, SW, sec. 15, T. 34 N., R. 78 W.
Natrona Co., Wyoming

R157

Clinton 1 Fed. Jensen/Mark

SE, SE, sec. 8, T. 35 N., R. 76 W.
Converse Co., Wyoming

R158

Exxon 1 Badger

NW, SE, sec. 31, T. 36 N., R. 75 W.
Converse Co., Wyoming

R159

Clinton 1 Fed. Woodman

SW, SW, sec. 13, T. 34 N., R. 76 W.
Converse Co., Wyoming

R160

Samedan 1 Hildebrand
NE, NE, sec. 26, T. 34 N., R. 73 W.
Converse Co., Wyoming

R161

Inexco 11 USA-PRE
SE, SE, sec. 26, T. 36 N., R. 69 W.
Converse Co., Wyoming

R162

Int. Nuclear/King Res. 1 Alex.
NE, NE, sec. 33, T. 38 N., R. 67 W.
Converse Co., Wyoming

R163

Ohio 1 Govt.
SW, SW, sec. 1, T. 38 N., R. 66 W.
Niobrara Co., Wyoming

R164

True 1 Govt. Robertson
SW, SW, sec. 11, T. 39 N., R. 65 W.
Niobrara Co., Wyoming

R165

HLM/LM Perry 1 Fed.
SE, SE, sec. 20, T. 41 N., R. 62 W.
Weston Co., Wyoming

R166

Gary 1 Fed.-Cote
NE, SW, sec. 29, T. 42 N., R. 61 W.
Weston Co., Wyoming

Cross-section S - S'

S167

Humble 1 Govt. E. Garrett
NW, NE, sec. 26, T. 37 N., R. 76 W.
Converse Co., Wyoming

S168

Humble 1 Hornbeck
SW, SW, sec. 16, T. 36 N., R. 74 W.
Converse Co., Wyoming

S169

Humble 1 Carey
NE, NW, sec. 3, T. 33 N., R. 74 W.
Converse Co., Wyoming

S170

McCulloch 1 Govt. Partridge
SW, NE, sec. 32, T. 32 N., R. 70 W.
Converse Co., Wyoming

S171

Sinclair 1 Joss
NW, NW, sec. 21, T. 33 N., R. 67 W.
Converse Co., Wyoming

S172

Texaco Joss Trust-A
NE, SE, sec. 34, T. 36 N., R. 67 W.
Niobrara Co., Wyoming

S173

Republic 1 Krejei
SE, NW, sec. 28, T. 37 N., R. 64 W.
Niobrara Co., Wyoming

S174

Van Norman 1-23 Fed.
SW, NE, sec. 23, T. 40 N., R. 63 W.
Niobrara Co., Wyoming

S175

Coronado 1 Dewey-Rose Govt.
NW, NW, sec. 24, T. 41 N., R. 61 W.
Weston Co., Wyoming

Cross-section T - T'

T176

Benedum 1 Bixby
SW, NW, sec. 29, T. 33 N., R. 74 W.
Converse Co., Wyoming

T177

Saturn 1 Powell
SE, SE, sec. 6, T. 32 N., R. 72 W.
Converse Co., Wyoming

T178

McCulloch 1 Govt. Partridge
SW, NE, sec. 32, T. 32 N., R. 70 W.
Converse Co., Wyoming

T179

Helis 22-18 Hat Creek
SE, NW, sec. 18, T. 34 N., R. 66 W.
Niobrara Co., Wyoming

T180
Helis 21-28 Hat Creek
NE, NW, sec. 28, T. 35 N., R. 66 W.
Niobrara Co., Wyoming

T181
Goodstein 23-1 Klinginsmith-Joss
SW, SE, sec. 23, T. 34 N., R. 66 W.
Niobrara Co., Wyoming

T182
Tenneco 1 Fluent
NW, SW, sec. 1, T. 36 N., R. 63 W.
Niobrara Co., Wyoming

T183
Coronado 1 Bradshaw-Govt.
SW, SE, sec. 35, T. 38 N., R. 61 W.
Niobrara Co., Wyoming

T184
Arrowhead 32-18 Fed.
SW, NE, sec. 18, T. 39 N., R. 61 W.
Niobrara Co., Wyoming

Cross-section U - U'

U185 (B12)
Gulf 1 Boyle
NE, SW, sec. 4, T. 8 S., R. 52 E.
Powder River Co., Montana

U186 (D32)
Sam Gary 1 Fed.- Beagle
NW, NW, sec. 17, T. 57 N., R. 70 W.
Campbell Co., Wyoming

U187 (F49)
Reading and Bates 2 Norfolk
SE, NW, sec. 10, T. 54 N., R. 71 W.
Campbell Co., Wyoming

U188 (H68)
Davis 1 Josephine
SW, SE, sec. 27, T. 52 N., R. 70 W.
Campbell Co., Wyoming

U189 (J92)
Nat. Coop Ref. 1 Govt.
NW, SE, sec. 15, T. 49 N., R. 70 W.
Campbell Co., Wyoming

U190 (L113)
Coquina 1 Rene-Fed.
NE, NE, sec. 18, T. 46 N., R. 69 W.
Campbell Co., Wyoming

U191 (O134)
Rochelle 1 Govt.
NW, SE, sec. 1, T. 43 N., R. 69 W.
Campbell Co., Wyoming

U192
Cobb Superior 1 Dull Center
SE, SE, sec. 5, T. 40 N., R. 68 W.
Converse Co., Wyoming

U193
True 1-A Gibbs
NW, SW, sec. 9, T. 37 N., R. 66 W.
Niobrara Co., Wyoming

U194
Marathon 1 Lance Creek West
NW, SW, sec. 12, T. 35 N., R. 66 W.
Niobrara Co., Wyoming

U195
Continental 1 Lance Creek
NE, NW, sec. 1, T. 34 N., R. 64 W.
Niobrara Co., Wyoming

Cross-section V - V'

V196 (B7)
Shell 11 Crow
SE, SE, sec. 26, T. 9 S., R. 37 E.
Big Horn County, Montana

V197 (D25)
Shell 1 Detampl
SE, NW, sec. 22, T. 55 N., R. 85 W.
Sheridan Co., Wyoming

V198 (F45)
Austral Buell 1
SE, NW, sec. 9, T. 52 N., R. 82 W.
Johnson Co., Wyoming

V199
Chevron N. Wyo. Land Co. 1
NE, SW, sec. 24, T. 50 N., R. 82 W.
Johnson Co., Wyoming

V200 (172)

Embar 1 Govt.

NE, SE, sec. 26, T. 45 N., R. 82 W.

Johnson Co., Wyoming

V201 (J87)

Shell 13X-11B Montgomery

NW, SW, sec. 11, T. 44 N., R. 79 W.

Johnson Co., Wyoming

V202

Shell Govt. 41X-34

NE, NE, sec. 34, T. 43 N., R. 78 W.

Johnson Co., Wyoming

V203 (M116)

Sinclair 1 Wind Creek

SE, SW, sec. 17, T. 40 N., R. 76 W.

Converse Co., Wyoming

V204 (O130)

Superior 1 Govt. Tracey

SE, NW, sec. 26, T. 38 N., R. 75 W.

Converse Co., Wyoming

V205 (S168)

Humble 1 Hornbeck

SW, SW, sec. 16, T. 36 N., R. 74 W.

Converse Co., Wyoming

V206 (S169)

Humble 1 Carey

NE, NW, sec. 3, T. 33 N., R. 74 W.

Converse Co., Wyoming