**Eastwood**

Location: 46.88N, 120.36W

Depth: 542 ft

Company: Eastwood Drilling, Inc.

Year: 1976

<https://fortress.wa.gov/ecy/waterresources/map/WCLSWebMap/WellLogSearchResult.aspx?imageName=00117491.tif&region=CRO&folder=00116&xcoord=1672999&ycoord=565671&search_scope=&result_num=20&welllogid=117491>

|  |  |  |
| --- | --- | --- |
| Rock type (simplified from well) | Thickness (ft) | Interpretation |
| Sandstone and clay | 369  | Qal and Mabton Member of Ellensburg |
| Basalt | 142  | Upper Wanapum (Priest Rapids Fm) |
| Sandstone | 27  | Quincy Fm |
| Basalt | 4+  | Roza Fm and below |

Geologic map places the Eastwood well in the Ellensburg. Roza is closest basalt surface unit identified toward the southwest.

**23-35 BN**

Location: 46.918N, 120.297W

Depth: 12,584 ft

Company: Meridian Oil, Inc.

Year: 1988

<https://fortress.wa.gov/dnr/geologydata/oil_and_gas_data/scanned_documents/424_wrh.pdf>

|  |  |  |
| --- | --- | --- |
| Rock type (simplified from well) | Thickness (ft) | Interpretation |
| Columbia River Basalt Group | 6658 | Specified on Well Record |
| Oligocene Ohanapecosh | 2312 |  |
| Roslyn Fm | 3377 |  |
| Interbedded Eocene Teanaway Basalt and Roslyn Fm | 237+ |  |

**1-33 Yakima Minerals Well**

Location: 46.75N, 120.46W

Depth: 16,199 ft

Company: Shell Oil Company

Year: 1983

<https://fortress.wa.gov/dnr/geologydata/oil_and_gas_data/scanned_documents/334_mud.pdf>

|  |  |  |
| --- | --- | --- |
| Rock type (simplified from well) | Elevation (m) | Interpretation |
| Columbia River Basalt Group | -1100 | Specified on Well Record and from Campbell, 1989 |
| Wildcat Creek Facies | -1600 |  |
| Oligocene Ohanapecosh | -2500 |  |
| Roslyn Fm | -3600 |  |
| Teanaway | -3800 |  |
| Swauk (Manastash) | -4500 |  |

**BN1-9**

Location: 46.805N, 119.699W

Depth: 17,518 ft

Company: Shell Western E&P, Inc.

Year:1984

<https://fortress.wa.gov/dnr/geologydata/oil_and_gas_data/scanned_documents/340_wrh.pdf>

|  |  |  |
| --- | --- | --- |
| Rock type (simplified from well) | Thickness (ft) | Interpretation |
| Saddle Mountains Basalt | 210 | Specified on well record |
| Wanapum Basalt | 877 |  |
| Grande Ronde Basalt | 823 |  |
| Umtanum Flow | 180 |  |
| Columbia River Basalt Group | 7010 |  |
| Ellensburg Age Equivalent | 1700 |  |
| Wenatchee Age Equivalent | 2000 |  |
| Chumstick/Roslyn Age Equivalent | 4718 |  |

**AF 1-6**

Location: 46.734N, 119.743W

Depth: 14250 ft

Company: Delta Petroleum Corporation

Year: 2006

<https://fortress.wa.gov/dnr/geologydata/oil_and_gas_data/scanned_documents/510_wrh.pdf>

|  |  |  |
| --- | --- | --- |
| Rock type (simplified from well) | Thickness (ft) | Interpretation |
| Saddle Mountains Basalt | 320 | Specified on well record |
| Elephant Mountain Member | 84 |  |
| Rattlesnake Ridge Interbed | 11 |  |
| Pomona Member | 158 |  |
| Selah Interbed | 57 |  |
| Asotin Member | 100 |  |
| Mabton Interbed | 46 |  |
| Wanapum Basalt | 310 | Must be Priest rapids and Quincy |
| Roza | 414 |  |
| Sentinel Bluffs | 350 |  |
| Vantage Sediment | 25 |  |
| Grande Ronde | 2854 |  |
| CRB Unnamed | 6045 |  |
| Ellensburg | 985 |  |
| Wenatchee | 787 |  |
| Roslyn | 1704 |  |

**Mathews**

Location: 46.831N, 119.906W

Depth: 220 ft

Company: Mathews Drilling and Coast

Year: 1997

<https://fortress.wa.gov/ecy/waterresources/map/WCLSWebMap/WellLogSearchResult.aspx?imageName=00176639.tif&region=ERO&folder=00068&xcoord=1789261&ycoord=546639&search_scope=&result_num=20&welllogid=176639>

|  |  |  |
| --- | --- | --- |
| Rock type (Simplified from well) | Thickness (ft) | Interpretation |
| Sand and clay | 115 | Qal |
| Basalt | 105+ | Priest Rapids  |

Geologic map places the Mathews well in the Missoula Deposits. Priest Rapids is closest basalt surface unit identified toward the southwest.

**AWS**

Location: 46.823N, 119.596W

Depth: 1472 ft

Company: Artesian Well Services, Inc.

Year: 2001

<https://fortress.wa.gov/ecy/waterresources/map/WCLSWebMap/WellLogSearchResult.aspx?imageName=00254161.TIF&region=ERO&folder=00176&xcoord=1867088&ycoord=544511&search_scope=&result_num=20&welllogid=254161>

|  |  |  |
| --- | --- | --- |
| Rock type (Simplified from well) | Thickness (ft) | Interpretation |
| Basalt | 887 | Elephant Mt, Pomona, Priest Rapids |
| Clay and Gravel | 153 | Quincy |
| Basalt layer containing shale and wood, base of columnar basalt | 107 | Roza |
| Basalt  | 325 | Frenchman Springs |

**Ponderosa**

Location: 46.75N, 119.81W

Depth: 700 ft

Company: Ponderosa Drilling & Development

Year: 1990

<https://fortress.wa.gov/ecy/waterresources/map/WCLSWebMap/WellLogSearchResult.aspx?imageName=00427978.tif&region=ERO&folder=00225&xcoord=1812499&ycoord=518686&search_scope=&result_num=20&welllogid=427978>

|  |  |  |
| --- | --- | --- |
| Rock type (Simplified from well) | Thickness (ft) | Interpretation |
| Sand/Gravel/Clay | 230 | Missoula Flood |
| Basalt | 90 | Priest Rapids |
| Sandstone | 36 | Quincy |
| Basalt | 134 | Roza |
| Clay and Sandstone | 50 | Squaw Creek |
| Basalt | 97 | Frenchman Springs |
| Clay, gravel, Sandstone | 63+ | Vantage? Interbed |

**Lemco**

Location: 46.75N, 119.772W

Depth: 795 ft

Company: Lemco Drilling, Inc.

Year: 1994

<https://fortress.wa.gov/ecy/waterresources/map/WCLSWebMap/WellLogSearchResult.aspx?imageName=00341546.tif&region=ERO&folder=00194&xcoord=1823271&ycoord=520025&search_scope=&result_num=20&welllogid=341546>

|  |  |  |
| --- | --- | --- |
| Rock type (Simplified from well) | Thickness (ft) | Interpretation |
| Clay and Gravel | 103 | Missoula Flood Deposit |
| Basalt | 397 | Pomona |
| Clay and Sandstone | 95 | Mabton |
| Basalt | 200 | Priest Rapids |

**Royal**

Location: 46.74N, 119.811W

Depth: 530 ft

Company: Royal Turf Farms Drilling

Year: 2006

<https://fortress.wa.gov/ecy/waterresources/map/WCLSWebMap/WellLogSearchResult.aspx?imageName=00451199.tif&region=ERO&folder=00232&xcoord=1812555&ycoord=513336&search_scope=&result_num=20&welllogid=451199>

|  |  |  |
| --- | --- | --- |
| Rock type (Simplified from well) | Thickness (ft) | Interpretation |
| Clay and Gravel | 225 | Missoula Flood Deposit |
| Basalt | 295 | Pomona |
| Sandstone | 10+ | Mabton |

**Burbank**

Location: 46.77N, 120.44W

Depth: 602 ft

Company: Department of Ecology

Year: 1977

<https://fortress.wa.gov/ecy/waterresources/map/WCLSWebMap/WellLogSearchResult.aspx?imageName=00399405.tif&region=CRO&folder=00191&xcoord=1656735&ycoord=525226&search_scope=&result_num=20&welllogid=399405>

|  |  |  |
| --- | --- | --- |
| Rock type (Simplified from well) | Thickness (ft) | Interpretation |
| Clay and Gravel | 225 | Missoula Flood Deposit |
| Basalt | 295 | Pomona |
| Sandstone | 10+ | Mabton |

**LL**

Location: 46.84N, 119.67W

Depth: 346 ft

Company: L&L Drilling, Inc.

Year: 1989

<https://fortress.wa.gov/ecy/waterresources/map/WCLSWebMap/WellLogSearchResult.aspx?imageName=00170301.tif&region=ERO&folder=00091&xcoord=1849350&ycoord=551166&search_scope=&result_num=20&welllogid=170301>

|  |  |  |
| --- | --- | --- |
| Rock type (Simplified from well) | Thickness (ft) | Interpretation |
| Sand and Gravel | 46 | Missoula Flood Deposit and Qal |
| Basalt | 68 | Elephant Mt |
| Basalt and Clay | 46 | Rattle Snake Ridge  |
| Basalt | 186 | Priest Rapids |

**Strasser**

Location: 46.92N, 119.56W

Depth: 1123 ft

Company: R.J. Strasser Drilling Co.

Date: 1954

<https://fortress.wa.gov/ecy/waterresources/map/WCLSWebMap/WellLogSearchResult.aspx?imageName=00445764.tif&region=ERO&folder=00230&xcoord=1899776&ycoord=516288&search_scope=&result_num=20&welllogid=445764>

Interpretation supported from Staco interpretation.

|  |  |  |
| --- | --- | --- |
| Rock type (Simplified from well) | Thickness (ft) | Interpretation |
| Sand and Gravel | 217 | Missoula Flood Deposit and Qal |
| Basalt | 155 | Asotin |
| Clay | 32 | Mabton  |
| Basalt | 161 | Priest Rapids |
| Clay | 15 |  |
| Basalt | 185 | Priest Rapids |
| Clay | 97 | Quincy |
| Basalt | 261 | Roza |

**Additional unused Well: Staco**

Depth: 4776 ft, 1455 m

Location: 46.75N, 119.37W

Company: Boyles Bros.

Year: 1971

<https://fortress.wa.gov/ecy/waterresources/map/WCLSWebMap/WellLogSearchResult.aspx?imageName=00601225.tif&region=ERO&folder=00271&xcoord=1924512&ycoord=520066&search_scope=&result_num=20&welllogid=601225>

|  |  |  |
| --- | --- | --- |
| Rock type (Simplified from well) | Thickness (ft) | Interpretation |
| Elephant Mt Member | 44 | Directly from Log |
| Rattlesnake Ridge Interbed | 1 |  |
| Pomona Member | 122 |  |
| Asotin/Huntzinger Member | 177 |  |
| Wilbur Creek Member | 57 |  |
| Mabton | 23 |  |
| Priest Rapids Member | 83 |  |
| Unnamed Interbed | 2 |  |
| Priest Rapids Member | 112 |  |
| Quincy Interbed | 2 |  |
| Roza Member | 191 |  |
| Squaw Creek Interbed | 2 |  |
| Frenchman Springs Member | 663 |  |
| Vantage Interbed | 10 |  |
| Grande Ronde Formation | 3287 |  |