

Table 2: Conventional Exploratory wells drilled in the Fernie-Elk Valley area

well number *	Well name and surface location (bottomhole location)	year	KB m	TD m	results
WA 1113	B.A. CNP Fernie d-42-I/82-G-6	1962	1475.8	2600.2	D&A; penetrated structurally thickened Fernie Formation in triangle zone on west side of Fernie Basin; bottomed in Fernie Formation (Cross section 3)
WA 1949	B.A. CNP Fernie b-81-D/82-G-7	1966	1358.1	2590.8	D&A; penetrated structurally thickened Permian, Pennsylvanian, and Mississippian strata (Mount Head top@978m); bottomed in Banff ?; tested 2028m fresh water from Livingstone ? (Cross section 3).
WA 6241	Shell North Kootenay Pass b-58-H/82-G-7 (b-67-H/82-G-7)	1985	1717.5	5362	D&A; penetrated duplex of Paleozoic beneath leading edge of Lewis thrust; thin streaks of porosity in Rundle; Palliser 9m porous dolomite with some limestone in lower part; bottomed in thrust repeated upper Fairholme anhydrite and dolomite; sub-Lewis Mesozoic consists of thin Fernie; tested salt water from Rocky Mountain and gas from Purcell in Lewis sheet (?)**.
WA 10735	Northstar et al. Highrock c-67-B/82-G-15 (d-68-B/82-G-15)	1999	1700.5	5446	Suspended; gas kick in folded Palliser in Lewis sheet (limestone with rare streaks of porous dolomite porosity); tight Livingstone and Mount Head in duplex beneath leading edge of Lewis thrust; bottomed in Livingstone.
WA 6587	Chevron Shell Mansfield c-72-D/82-G-15 (d-72-D/82-G-15)	1988	1320.7	2802.6	D&A; located on backlimb thrust on Lewis sheet (?); penetrated normal stratigraphic succession from Triassic to Livingstone; encountered mainly tight limestone and dolomite in Mount Head and Livingstone; produced brackish water from 1-2m porous zones in Mount Head (Cross section 5).
WA 3380	Inexco et al. Tornado b-9-J/82-G-15	1974	1675.2	4319.0	D&A; penetrated duplex of Mount Head and Etherington Formations and Rocky Mountain Supergroup beneath leading edge of Lewis thrust (Cross sections 2, 5, and 6)
WA 570	Calstan Fording Mountain d-61-L/82-G-15	1960	1779.4	5041.4	D&A; located on rollover anticline west of Erickson fault; encountered west flank of duplex of Mississippian beneath Lewis thrust; did not encounter porosity below Lewis thrust, but did not penetrate entire Livingstone, including most of the equivalent of the porous interval in the leading edge of the Lewis thrust sheet (Cross sections 2, 5, and 6).
WA 6095	Shell Forsyth d-25-A/82-J-6	1985	1629.4	4116.0	D&A; located on surface syncline on Bourgeau thrust sheet; penetrated full section of Mississippian strata, 2835m thick, and upper part of Palliser Formation; tested gas TSTM in Palliser; bottomed in Fernie Formation below Bourgeau thrust (Cross sections 1 and 4).

*WA = well authorization number issued by the British Columbia Ministry of Energy and Mines.

**Reported on scout ticket; not be verified with data provided to the Ministry of Energy and Mines.