

Table 3.1-1 Lost Creek Water Supply Wells

Well #	Date Completed	Completion Interval(s)	Horizon	Map Coordinates (NAD 83)		Comments
				Easting	Northing	
LC1W	09/30/05	300-360	Upper FG	2203585	595463	Completion interval is about 115 feet above Lost Creek Shale (LCS), with 2 aquicludes between LCS and completion interval. ¹
--	--	--	FG	--	--	Planned for but not yet installed.
LC28M	08/30/06	502-557	UKM	2201671	585142	Completion interval is directly below the Sagebrush Shale (SBS), which is 12' thick in this well. This well is located approximately 2.4 miles southwest of the southwestern edge of MU1.
LC32W	05/01/07	737-845	M	2215385	597511	Completion interval is 240 ft below Sagebrush Shale (SBS), with 6 aquicludes between SBS and completion interval.
LC33W	07/17/07	800-895	N	2216487	595018	Completed interval is 330 ft below SBS, with 6 clay aquicludes between SBS and completion interval.
LC229W	06/03/08	863-888 915-945 955-985	M	2209390	598293	Completed interval is 310 ft below SBS, with 7 aquicludes between SBS and completion interval.
LC606W	10/09/08	670-685 690-715 735-740	M	2202739	586368	Completed interval is 190 ft below SBS, with 4 aquicludes between SBS and completion interval.

¹ Aquicludes imply predominantly clay lithology at least 5 feet thick.

Drilling Water Needs

Assumptions	Calculation
500 drill hole & wells per year (300 Delineation + 200 Wells)	0.52 avg # water loads per 100' of drilling (all hole types) Lost Creek - 2008 average
650 average depth per hole	1690 # loads of water per year (total project)
325,000 avg feet per year of drilling	135,200 # bbls of water per year (total project)
	5,678,400 # gal of water per year (total project)
	3 # of water wells used as supply
	1,892,800 # gal of water per year per well
	3.6 = avg gpm /per well [24:7 operation]