

Geographic region	Well yield										Transmissivity										Hydraulic conductivity				Permeability				Porosity		Sources							
	Spring discharge		Flowing		Pumped or unknown		Wells associated with oil/gas exploration and development		All wells (pumped or flowing)		Specific capacity		Flow test		Constant rate test		Recovery		Observation well		Drill stem or other oil/gas exploration and development field test		Unspecified/other		All tests		Wells associated with oil/gas exploration and development		Storativity/storage coefficient			Wells associated with oil/gas exploration and development		All other data		Wells associated with oil/gas exploration and development		
	Count	Range (median) (gal/min)	Count	Range (median) (gal/min)	Count	Range (median) (gal/min)	Count	Range (median) (gal/min)	Count	Range (median) (gal/min)	Count	Range (l/(min)ft)	Count	Range (ft/day)	Count	Range (ft/day)	Count	Range (ft/day)	Count	Range (ft/day)	Count	Range (ft/day)	Count	Range (ft/day)	Count	Range (unitless)	Count	Range (md)	Count	Range (md)		Count	Range (percent)	Count	Range (percent)			
	Count	Range (median) (gal/min)	Count	Range (median) (gal/min)	Count	Range (median) (gal/min)	Count	Range (median) (gal/min)	Count	Range (median) (gal/min)	Count	Range (l/(min)ft)	Count	Range (ft/day)	Count	Range (ft/day)	Count	Range (ft/day)	Count	Range (ft/day)	Count	Range (ft/day)	Count	Range (ft/day)	Count	Range (unitless)	Count	Range (md)	Count	Range (md)		Count	Range (percent)	Count	Range (percent)			
Cenozoic hydrogeologic units																																						
Quaternary alluvial aquifers																																						
NERB			1	2	109	1–1,000 (15)			110	1–1,000 (15)	59	0.11–62 (3.0)					1	1,300					13	28.1–10,700	14	28.1–10,700					7	770–60,000			1, 30, 52, 62–64, 74			
Quaternary terrace-deposit aquifers																																						
NERB	1	320			10	4.1–25 (12.5)			10	4.1–25 (12.5)	5	1–20 (3.1)											2	938; 2,410											1, 30, 52, 74			
Quaternary dune sand (eolian) deposits																																						
NERB					2	2.75; 5			2	2.75; 5																									1, 8			
Quaternary landslide deposits																																						
NERB	1	50																																	30			
Quaternary glacial deposits																																						
NERB	1	395																																	1, 63			
Anikaree aquifer																																						
NERB			2	1; 150	156	0.3–2,000 (500)			158	0.3–2,000 (500)	78	0.13–230 (8.2)			3	80–8,890	4	56–17,800	2	3,300; 15,900			6	1,070–11,300	15	56–17,800	2	1.2; 1.3	3	0.001–0.006		4	1,600–17,000			1, 3, 12, 40, 54, 62, 73		
White River hydrogeologic unit																																						
NERB					10	3–6 (5)			10	3–6 (5)	7	0.03–3 (0.17)																							1, 62			
Wind River aquifer																																						
WRSB	1	5	2	1.25; 1.25	4	5–20 (6.5)			6	1.25–20 (5)	1	3.3																							1, 16			
Wasatch aquifer																																						
NERB	9	0.06–12 (2)	95	0.25–80 (3)	453	0.1–1,470 (7)			548	0.1–1,470 (7)	290	0.004–350 (0.19)			1	10.7	4	5.4–295	1	8.7							6	5.4–295		1	0.0006				1, 17, 21, 28–30, 52, 59, 63, 74			
Coal aquifers																																						
					4	3–15 (11)			4	3–15 (11)	3	0.11–0.28 (0.17)											1	69.7	1	69.7			1	0.02		1	360			1, 30		
Fort Union aquifer																																						
NERB	5	4–200 (9)	160	0.25–60 (5.75)	432	0.5–1,500 (15)			592	0.25–1,500 (10)	230	0.003–2,200 (0.39)			32	12.7–1,330	38	1.3–474	10	73.7–470			10	4.02–236	90	1.3–1,330	2	0.37; 0.39	18	0.00001–0.008		7	27–430			1–2, 13, 17–23, 28–30, 32, 35, 38, 43–45, 47–50, 52, 59, 62–65, 74		
Coal aquifers																																						
					3	0.71–5 (2)			12	0.5–111 (5)	15	0.5–111 (5)	2	0.004; 0.03																					30			
WRSB					1	15			1	15																									1			
Mesozoic hydrogeologic units																																						
Lance aquifer																																						
NERB	1	5	4	1.2–5 (2.7)	190	0.75–300 (10)			194	0.75–300 (10)	54	0.01–1.8 (0.24)			4	16.2–40.2	3	13.5–80.4	1	17			7	22.8–281	15	13.5–281		2	0.0001; 0.03		3	330–1,900			1, 17, 21, 30, 33, 52, 55, 57, 62–64, 74			
Fox Hills aquifer																																						
NERB					46	2–5,000 (10)			46	2–5,000 (10)	23	0.03–4.9 (0.25)			2	214; 324																				1, 4, 16, 21, 29, 33, 44, 62, 64		
Lewis confining unit																																						
NERB					1	6			1	6																									30			
Pierre confining unit																																						
NERB					7	2–60 (8)			7	2–60 (8)	4	0.14–1.3 (0.36)																							1, 62, 64			
Mesaverde aquifer																																						
NERB		1	0.5	20	2–130 (8)	5	12.5–34 (24)	26	0.5–130 (11)	8	0.06–1.4 (0.17)			8*	0–47.8	1	201	9*	0–201											9*	0–230		5*	15–21	1, 15–17, 21, 30, 51–52, 63, 67–68, 74			
Cody confining unit																																						
NERB		2	0.25; 6	13	1.5–15 (5)	2	1; 19	17	0.25–19 (5)	5	0.02–1.4 (0.1)			5	0.05–15.7													5	2–280				5	12–25	1, 15–17, 21, 51–52, 63, 68, 74			
Steele confining unit																																						
NERB						8	10–40 (20.8)	8	10–40 (20.8)					7	9.8–295												7	9.8–295							51			
Frontier aquifer																																						
NERB			25	0.08–5 (2)	18	0.28–16 (5)	2	7 (flowing); 7 (pumping)	45	0.08–16 (3)	5	0.02–0.64 (0.11)			15*	0.03–18.9											15*	0.03–18.9		9	0.5–520		10	12–21	1, 8, 15–16, 21, 30, 52, 63, 67, 74			
Mowry confining unit																																						
NERB	1	3	2	0.25; 2	6	0.28–40 (17)			8	0.25–40 (8)																									1, 16, 28, 52			
Muddy aquifer																																						
NERB		1	45	1	10	1	0.5	3	0.5–45 (10)					13*	0.1–19.6												13*	0.1–19.6		18*	2.4–588		21*	2–22	1, 15–16, 21, 51–52, 67, 69–71, 74			
WRSB					1	10			1	10																									1			
Newcastle aquifer																																						
NERB			1	25	1	25			1	25				12*	0.01–8; 3												12*	0.01–8.3		13*	<1–330		10	9.3–23	1, 15, 21, 62, 67			
Skull Creek confining unit																																						
NERB			1	0.3	1	0.3			1	0.3																									1			
Cloverly aquifer																																						
NERB	1	<1	2	0.18; 25	5	0.08–18 (2)	2	1; 19	9	0.08–25 (2)	3	0.02–0.15 (0.02)			7*	0.5–31	2	26.8; 37.5	9*	0.5–37.5								8*	14–410		7	11–18			1, 8, 15–16, 21, 30, 52, 67–68			
WRSB	1	5																																	1			
Inyan Kara aquifer																																						
NERB	2	12; 104	47	0.2–150 (5)	60	1–300 (10)			107	0.2–300 (8)	25	0.01–3.1 (0.25)	2	29.5; 109	2	381; 1,510	1	208	1	441			8	4.8–29.2	5	38.1–2,120	19	4.8–2,120			9*	0–730	2	110; 770	8	14–24	1, 6, 14, 21, 53, 60, 62, 64, 66–67, 69, 71–72	
Morrison confining unit																																						
NERB	1	31			3	3.5–6.2 (5)			3	3.5–6.2 (5)	2	0.2; 0.26																							1, 64			
Sundance aquifer																																						
NERB	6	1–50 (6.5)	3	0.5–5 (2)	9	1.5–40 (8)	1	13	13	0.5–40 (5)	3	0.02–0.06 (0.04)			3	0.02–52.8											3	0.02–52.8		3	<1–440		3	12–21	1, 14–16, 21, 52, 64, 67–68			
Chugwater confining unit																																						
NERB	2	5; 120			1	8			1	8																									1, 16, 52, 74			
Spearfish aquifer																																						
NERB	1	1			12	2–10 (6)			12	2–10 (6)	3	0.26–0.61 (0.54)			2	20; 50	2	20; 50																	1, 64			
Paleozoic and Precambrian hydrogeologic units																																						
Minnokahta aquifer																																						
NERB		1	12	2	3; 25	12			3	3; 25	12																								1, 11			
Tensleep aquifer																																						
NERB		6	9–2,620 (125)	11	5–1,200 (22)	2	32; 54	19	5–2,620 (33)	2	0.33; 10			12*	0.003–255												12*	0.003–255		9*	0.01–700		8*	0.4–20	1, 15–17, 21, 24, 28, 34, 51–52, 63, 67–68, 74			
WRSB		1	20		1	20			1	20																									16			
Amsden hydrogeologic unit																																						
NERB	1	1	1	0.5					1	0.5																									11, 34, 52			
Minnelusa aquifer																																						
NERB	1	15	13	5–375 (41)	32	1.5–301 (13.5)			45	1.5–375 (15)	19	0.1–38 (0.6)			1	1,620	2	1,580–3,800	1	2,130			6*	0.1–92			20*	0.1–3,800	2	6.5; 14	3	0.005–0.008	29*	0.5–>1,000		30*	5.8–25	1, 11, 15, 21, 41–42, 61, 64, 67–68, 71
Hartville aquifer																																						
NERB					1	104																																