Table 1.--Record of wells yielding water from the Minnelusa Formation and the Pahasapa Limestone in the vicinity of Newcastle, Wyo.

Discharge: N, not flowing; R, reported measurement.

Method of lift: F, flows; N, none; P, pumped.

Use of water: D, domestic; I, industrial; Ir, irrigation; N, none; P, public; S, stock.

Water level: R, reported measurement.

No. on map (fig. 1)	Location	Owner	Year drilled	Depth of well (feet)	Diameter of well (inches)	Depth of casing (feet)	Principal geologic source	Discharge (gpm)	Method of lift	Use of water	Water level above (+) or below land surface (feet)[a]	Altitude of land surface (feet)	Date of measurement	Remarks
1	SW¼SE¼ sec.20,T.45 N.,R.61 W.	City of Newcastle	1949	2,638	7	2,618	Pahasapa Limestone	1,600± R 1,450± R	F F F	P P P	+460 R ..... +415	4,360 4,360 4,360	1949 7/--/60 3/15/62	Method of measuring discharge subject to error
2	SE¼NE¼ sec.30,T.45 N.,R.61 W.	.....do.....	1950	3,028	7	2,800	.....do.....	650± R	F	P	+300±	4,280	7/--/60	
3	NW¼SW¼ sec.29,T.45 N.,R.61 W.	Sioux Oil Co.	1960	3,073	.....	2,978	.....do.....	117 R	F	I	+345 R	4,240	5/--/60	Pump installed to increase yield
4	NW¼NE¼ sec.28,T.45 N.,R.61 W.	L. W. Carlson	1961	2,738	7	2,468	.....do.....	1,150+	F F	S S	+275 +270	4,440 4,440	3/16/62 5/30/62	Discharge measurement questionable. Well had been shut in 2 weeks
				1,950	10	210	Minnelusa Formation	300 R	F	I	.....	4,715	9/--/61	Water flows between 7- and 10-inch casing of deep well. Flow controlled
b 5	NW¼NW¼ sec.5,T.44 N.,R. 60 W.	LAK Ranch	1945	1,300	6	1,045	Pahasapa Limestone	20 R 3	F F	D D	....	4,440 4,440	1947 9/ 1/60	Flow uncontrolled 9/1/60
				1,010	10	305	Minnelusa Formation	50 R 41	F F	S S	....	4,440 4,440	1947 9/ 1/60	Water flows between 6- and 10-inch casing of deep well, uncontrolled.
b 6	NE¼NW¼ sec.31,T.46 N.,R.60 W.	F. Martens	1941	1,178	.....	1,100	Lower part of Minnelusa(?) Formation	150 R 8 N	F F P	Ir Ir Ir	.... 7.41	4,760 4,760 4,760	1948 9/ 1/60 9/28/62	No control of flow
b 7	SW¼NW¼ sec.2,T.45 N.,R.61 W.	.....do.....	1933	720	6	619	Upper part of Minnelusa Formation	20 R 8.5	F F	S S	....	4,700 4,700	1947 9/28/62	
b 8	NE¼NW¼ sec.29,T.46 N.,R.61 W.	Cambria Coal Mine	1900±	2,345	8	.....	Pahasapa Limestone	N	N	N	36.98	5,100±	9/ 1/60	Well reported to yield 200 gpm when completed
b (c)	SW¼SE¼ sec.10,T.46 N.,R.63 W.	Black Hills Power & Light Co.	1941	2,592	10-6	2,485	.....do.....	800 R 720 R 580 R	F F F	I I I	+405 R	4,350± 4,350± 4,350±	1941 1946 1960	Discharge before casing installed reported to be 2,200 gpm. No control of flow

[a] Water levels above land surface datum measured as pressure (psi) and converted to feet by using conversion factor 2.31 x psi.

[b] Data obtained prior to 1960 abstracted from Williams (1948).

[c] Well at Osage, about 10 miles west of mapped area.