### 2.2.2.8 PCON Register

The Power Control (PCON) register (see Register 2-8) contains flag bits to differentiate between a:

- Power-on Reset ($\overline{POR}$)
- Brown-out Reset ($\overline{BOR}$)
- Watchdog Timer Reset (WDT)
- External $\overline{MCLR}$ Reset

The PCON register also controls the Ultra Low-Power Wake-up and software enable of the $\overline{BOR}$.

**REGISTER 2-8: PCON: POWER CONTROL REGISTER**

| U-0 | U-0 | R/W-0 | R/W-1 | U-0 | U-0 | R/W-0 | R/W-x |
|---|---|---|---|---|---|---|---|
| — | — | ULPWUE | SBOREN(1) | — | — | $\overline{POR}$ | $\overline{BOR}$ |
| bit 7 | | | | | | | bit 0 |

| **Legend:** | | | |
|---|---|---|---|
| R = Readable bit | W = Writable bit | U = Unimplemented bit, read as ‘0’ | |
| -n = Value at POR | ‘1’ = Bit is set | ‘0’ = Bit is cleared | x = Bit is unknown |

bit 7-6 **Unimplemented:** Read as ‘0’

bit 5 **ULPWUE:** Ultra Low-Power Wake-up Enable bit
1 = Ultra Low-Power Wake-up enabled
0 = Ultra Low-Power Wake-up disabled

bit 4 **SBOREN:** Software BOR Enable bit(1)
1 = BOR enabled
0 = BOR disabled

bit 3-2 **Unimplemented:** Read as ‘0’

bit 1 **$\overline{POR}$:** Power-on Reset Status bit
1 = No Power-on Reset occurred
0 = A Power-on Reset occurred (must be set in software after a Power-on Reset occurs)

bit 0 **$\overline{BOR}$:** Brown-out Reset Status bit
1 = No Brown-out Reset occurred
0 = A Brown-out Reset occurred (must be set in software after a Brown-out Reset occurs)

**Note 1:** BOREN<1:0> = 01 in the Configuration Word Register 1 for this bit to control the $\overline{BOR}$.