

From David Theobald, *GIS Concepts and ArcGIS Methods*

**Table 5.4** Advanced SQL expressions using additional operators and functions in an expression.

<b>Operator/Function</b>	<b>Example</b>	<b>Description</b>
ABS	ABS ("Net_ELEV")	Returns the absolute value
BETWEEN x AND y	"AREA" BETWEEN 15 AND 20	
CHAR_LENGTH	CHAR_LENGTH ("STATE") > 4	Returns state names longer than 4 characters
CURRENT_DATE	"DATE" < CURRENT_DATE	Returns the current date
DATE	"DATE" < DATE '1999-12-25'	Selects records before Christmas 1999. Date returns the string in the correct DATE format
IN	"State" IN ('Alabama', 'Alaska', 'California', 'Florida')	True if one of these in list
IS NULL	"State" IS NULL	Find records where no values have been entered
LIKE	"State" LIKE 'New%'	Returns New Hampshire, New Jersey, New Mexico, New York
LOWER	LOWER("STATE")= 'colorado'	Converts text to lower case, only in Access and SDE
MOD	MOD ("Length",2)	Returns the remainder of division
NOT	NOT "STATE" = 'California'	Finds all states but California
UPPER	UPPER("STATE")= 'COLORADO'	Converts text to upper case, only in Access and SDE