DEPTH TO TOP OF UNIT	SYSTEM	GROUP	FORMATION	LITHOLOGY	ELEVATION AT TOP OF UNIT
0	QUATERNARY			LACUSTRINE SANDS AND GLACIAL TILLS	577
45	PENNSYLVANIAN		CARBONDALE-SPOON	SILTSTONE, SHALE, COAL, AND SANDSTONE	532
145	ORDOVICIAN	MAQUOKETA SHALE	FORT ATKINSON	LIMESTONE AND DOLOMITE, WHITE, LIGHT GRAY, BROWN, PINK, FINE- TO COARSE- GRAINED, INTERBEDDED SHALE	432
185			SCALES	SHALE, DOLOMITIC, SILTY, BROWN, GRAY; "DEPAUPERATE" FOSSIL ZONES NEAR BASE AND TOP	392
272		GALENA	WISE LAKE-DUNLEITH	DOLOMITE AND SOME LIMESTONE, BUFF TO LIGHT GRAY, ORANGE SPECKLED AT TOP, BLACK SPECKLED AT BASE, FINE- TO MEDIUM- GRAINED	305
			GUTTENBERG	DOLOMITE, RED SPECKLED, RED SHALE PARTINGS	
460		PLATTEVILLE	NACHUSA	DOLOMITE AND LIMESTONE, BUFF, FINE- TO MEDIUM- GRAINED	117
515			GRAND DETOUR	LIMESTONE AND DOLOMITE, LIGHT GRAY, MOTTLED DARK GRAY, VERY FINE- GRAINED; SOME DOLOMITE, PSEUDO-OOLITIC	62
565			MIFFLIN	LIMESTONE AND DOLOMITE, LIGHT GRAY, ORANGE SPECKLED, VERY FINE- GRAINED, SHALE PARTINGS	12
595			PECATONICA	DOLOMITE AND LIMESTONE, BROWN, VERY FINE- TO FINE- GRAINED, SANDY AT BASE	-18
640		ANCELL	GLENWOOD-ST. PETER	SANDY DOLOMITE AND DOLOMITIC SANDSTONE, FINE- TO MEDIUM- GRAINED, GREEN SHALE PARTINGS AT TOP SANDSTONE, WHITE, FINE- TO MEDIUM- GRAINED, FRIABLE	-63
860		PRAIRIE DU CHIEN	SHAKOPEE	DOLOMITE, SANDY, LIGHT GRAY, LIGHT BROWN, FINE- GRAINED; CHERT, PARTLY OOLITIC	-283
960			NEW RICHMOND	SANDSTONE, MEDIUM-GRAINED; SOME LITHOGRAPHIC DOLOMITE & OOLITIC CHERT	-383
995			ONEOTA-GUNTER	DOLOMITE, SANDY AT TOP, CHERTY AT BASE, LIGHT GRAY, PINK, FINE- TO COARSE- GRAINED SANDSTONE, MEDIUM- GRAINED, A LITTLE DOLOMITE AND GREEN SHALE	-418
1190	CAMBRIAN		EMINENCE	DOLOMITE, SANDY, LIGHT GRAY, FINE- TO MEDIUM- GRAINED, THIN BEDS OF SANDSTONE; CHERT, PARTLY OOLITIC; DOLOMITIC SANDSTONE AT BASE	-613
1280			POTOSI	DOLOMITE, LIGHT GRAY TO LIGHT BROWN, FINE- GRAINED, SOME DRUSY QUARTZ; SANDY AT BASE	-703
1405			FRANCONIA	SANDSTONE, SHALE, AND DOLOMITE, GLAUCONITIC, MICACEOUS, SILTY, RED, GREEN	-828
1548			IRONTON	SANDSTONE, DOLOMITIC, MEDIUM- TO COARSE- GRAINED	-971

NOTE:

STRATIGRAPHIC INTERPRETATION UPDATED BY THE ILLINOIS STATE GEOLOGICAL SURVEY ON THE BASIS OF ELECTRIC LOG, SAMPLE STUDY, AND DRILLER'S LOG (BUSCHBACH, ORAL COMMUNICATION, JUNE 1, 1973).

REFERENCES:

COMPILED FROM A LOG OF CITY OF BRAIDWOOD, ILLINOIS, DEEP WELL NO. 1, DRILLED IN 1937, SECTION 8-32N-9E, WILL COUNTY.

SAMPLE STUDY BY J. POTSCH (1937).

DESCRIPTIONS OF LITHOLOGIES BASED ON:

COMPOSITE STRATIGRAPHIC LOG FOR NORTHEASTERN ILLINOIS, BUSCHBACH, T.C. AND WILLMAN, H.S. (1968)

CAMBRIAN AND ORDOVICIAN STRATA OF NORTHEASTERN ILLINOIS, BUSCHBACH, T.C. (1964).

BRAIDWOOD STATION
UPDATED FINAL SAFETY ANALYSIS REPORT

FIGURE 2.5-32

GEOLOGIC LOG OF CITY OF BRAIDWOOD DEEP WELL NUMBER 1