in the southwest corner of Section 32, T10S, R3W. A sandy black limestone in the Dutchtown Limestone interval had an odor of petroleum. The well penetrated 40 feet of the St. Peter Sandstone at a total depth of 2,255 feet.

REFERENCES

however, the underlying gravelly sand could be excavated and used as con-

The only oil test in the quadrangle was the Mannellin No. 1 Baysinger well

reverse drag with unknown displacement occurring in the Clear Creek Chert.

Although the dominant structural style of the Ste. Genevieve Fault Zone

seems to have been reverse faulting, reactivation along the master fault may

have had an oblique slip component after late Chesterian time and before depo-

sition of the Caseyville rocks. This is suggested by the en echelon belt of folds

and faults restricted to formations above the Menard Limestone and below the

surface mapping in the adjacent Cobden Quadrangle show Chesterian rocks

lying between the Menard Limestone and the Caseyville Sandstone, and dip-

ping at moderate to steep angles. These observations suggest that the com-

pressional features may represent evidence of renewed movement along the

Ste. Genevieve Fault Zone some time after Kinkaid but before Caseyville

deposition.

Caseyville Sandstone on the north side of the main fault. A core as well as

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VERTICAL EXAGGERATION 2X

(Qal too thin to show in uplands)

JOSEPH A. DEVERA 1993

GEOLOGIC MAP OF THE WOLF LAKE QUADRANGLE

JACKSON AND UNION COUNTIES, ILLINOIS