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MINE		MINING DISTRICT	
San Xavier (Pb-Zn, Cu)		Twin Buttes	
COUNTY	STATE	COUNTRY	
Pima	Arizona	U. S. A.	
AMS 1° x 2° Topographic Map		U. S. G. S. Topographic Map 30'	
Nogales		None	
U. S. G. S. Topographic Map 15'		U. S. G. S. Topographic Map 7-1/2'	
Twin Buttes		None	
<p>AERIAL PHOTOGRAPHY AVAILABLE: (Including photo mosaics)</p> <p>AMS: Photomosaic 55AM81, sheet 3 (1:250,000). Photography - 1956, 1:50,000, Project 55AM81, Roll 9, Nos. 751-752.</p>			
<p>GEOLOGIC MAPS AVAILABLE:</p> <p>Pima and Santa Cruz Counties, 1960, 1:375,000; Arizona Bureau of Mines. Cooper, J. R., 1960, (see reference below) 1:31,680.</p>			
<p>OTHER MAPS AVAILABLE:</p> <p>Aeromagnetic map (see reference below).</p> <p>Gravity map (see reference below).</p>			
<p>REFERENCES</p> <p>Cooper, J. R., 1960, Some geologic features of the Pima mining district, Pima County, Arizona: U.S. Geol. Survey Bull. 1112-C, p. 63-103.</p> <p>Lacy, W. C., 1959, Structure and ore deposits of the east side of the Sierrita Mountains: Ariz. Geol. Soc. Digest, V. 2, p. 185-192.</p> <p>Schmitt, H. A., 1959, The copper province of the Southwest: Mining Engineering, V. 11. p. 597-600.</p> <p>Andreasen, G. E., and Pitkin, J. A., 1963, Aeromagnetic map of the Twin Buttes Area: USGS Map GP-426 (1:62,500) 50¢.</p> <p>Plouff, D., 1961, Gravity Survey Near Tucson, Arizona: U.S. Geol. Survey Professional Paper 424-D, Art. 384, p. D258-D259.</p> <p>Frischknecht, F. C., Ekren, E. B., 1961, Electromagnetic Studies in the Twin Buttes Quadrangle, Arizona: U.S. Geol. Survey Professional Paper 424-D, Art. 385, p. D259-D261.</p>			

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**CASE HISTORY OF INTEGRATED GEOPHYSICAL METHODS
AT THE MISSION DEPOSIT, ARIZONA**

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Skilling's
Mining Review

MARCH 10, 1973
VOL. 52, NO. 10
ESTABLISHED 1912

PUBLISHED EVERY SATURDAY MORNING

