PAN AMERICAN—LEAD-ZINC
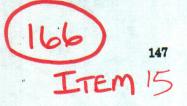
Alternate names: St. Patrick Mining Co.

Commodities: Zn, Pb, Ag, Au, Mn, Fe

LOCATION-OWNERSHIP

County	Lincoln.
Mining district	Comet.
Elevation	1,954 m.
Topography	Rugged.
Domain..............	Mixed.

General location	About 15 km southwest of Pioche.
Meridian	Mount Diablo.
Tract...................	Sec. 9, T 1 S, R 66 E.
Latitude	37°52′16″ N.
Longitude	114°36′19″ W.

Owner............... Resco International, Houston, TX (1983).

GEOLOGY

Type of ore body	Replacement, fissure vein.
Origin.................	Hydrothermal.
Shape of ore body	Tabular.
Ore controls...........	Bedding, faulting.
Strike and dip of mineralized zone.	North-south: 10° E.
Mineralized zone average dimensions, m:	
Length	430.
Width	200.
Thickness..........	5.
Depth	250.
Mineral names	Sphalerite, galena, psilomelane, pyrolusite.

Host formation	Combined Metals Member of Pioche Shale.
Geologic age..............	Lower Cambrian.
Rock relationships........	Shale, lies over ore, near ore. Limestone, lies over ore, replaced by ore. Lamprophyre, lies along ore, lies over ore.
Size	Medium.

DEVELOPMENT

Current status........	Inactive-past producer.
Type of operation	Underground.
Mining method	Room and pillar.
Year of discovery	1929.
Discovery method	Ore mineral in place.
Initial production	1947.
Last production	1978.
Past production	Confidential proprietary data.

Distance to water supply ...	On-site.
Road requirement	None.
Distance to power supply ...	On-site.
Mill location	Pan American ore was concentrated at the Caselton mill during its last period of production.

PUBLISHED RESERVES-RESOURCES

Class	Quantity	Grade	Year	Reference
1..Proven[1]	2,196,000 tons	Pb, 1.17%; Zn, 2.45%; Ag, 2.07% (sic)	1982	168

REFERENCES

168, 216, 274, 322, 720, 721, 724, 791.

USGS quad maps	Caliente, 1:250,000. Bennett Pass, 7.5′.
USBM sequence number	0320170045.
USGS MRDS number	M032032.
Mid number	02600229.

[1]Reserves listed under St. Patrick Mining Co., Inc.

Information Circular 9035

Principal Deposits of Strategic and Critical Minerals in Nevada

By N. T. Lowe, Russell G. Raney, and John R. Norberg