Please Return to: D. L. Stevens
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Lakewood, Colorado 80228

| Respondent Placer Amex Inc.   |  |  |  |  |  |  |  |  |
|---|--|--|--|--|--|--|--|--|
| Suite 2500 Address One California Street  |  |  |  |  |  |  |  |  |
| San Francisco, Calif. 94111 Phone: 415-986-0740   |  |  |  |  |  |  |  |  |
| Property Name Cortez Gold Mines:Lander Cty ,NV Location S 19 T27 N.R 48 E.  |  |  |  |  |  |  |  |  |
| Published Reserves: Oxide Ore ) 3,500,000 tons mined out  |  |  |  |  |  |  |  |  |
| Carbonaceous Ore )  |  |  |  |  |  |  |  |  |
| Annual Production: Mill (TPY) )   |  |  |  |  |  |  |  |  |
| Leach (TPY)   |  |  |  |  |  |  |  |  |
| 1. Regional Geology (10 mile radius)  |  |  |  |  |  |  |  |  |
| A. Structure; faulting, folding, age: Roberts Mtn. thrust fault (DevMiss.   |  |  |  |  |  |  |  |  |
| Cortez and Crescent Valley faults (Basin and Range normal faults), folding widespread.  |  |  |  |  |  |  |  |  |
| B. Intrusives; age, composition, geometry, alterations,   |  |  |  |  |  |  |  |  |
| mineralization: (1) Mill Canyon stock and associated dikes; 147-153 m.y. (Jurassic); Granitoid biotite quartz monzonite with local granodiorite border zone with Alaskite, granodiorite and augite syenite dikes; contact aureole alteration; (2) Quartz porphyry dikes; 34.5-37.3 m.y. (Oligocene); local jasperoid. |  |  |  |  |  |  |  |  |
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| C. Volcanics; age, composition, type (flow, tuff, etc.),  |  |  |  |  |  |  |  |  |
| proximity, depth of mineralization relative to pre-volcanic   |  |  |  |  |  |  |  |  |
| surface: (1) Caetano Tuff; 30.6-35.5 m.y. (Oligocene); rhyolite weldtuff; 2 miles SW; (2) Basaltic andesite; 16.3 m.y. (Miocene); flows; 6 miles E.; (3) Rhyolite, 14.5-15.3 m.y. (Miocene); flows and plugs, 6 miles E.  |  |  |  |  |  |  |  |  |
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D. Basement lithology; stratigraphic section - thickness and lithology, known or inferred basement lithology: Lower Plate Upper Plate Devonian Wenban Limestone Slaven Chert Roberts Mtn. Limestone Four Mile Canyon Fm. Silurian Valmy Fm. Hanson Creek Fm. Vinini Fm. Eureka Quartzite Ordovician Hamburg Dolomite Cambrian Local Geology (1 mile radius) A. Host rock(s); age, lithology, porosity, permeability, pyrite (syngenitic) and organic content: (1) Roberts Mountain limestone; Silurian; thinly laminated, dolomitic to calcareous siltstone and silty limestone; moderate pyrite; locally carbonaceous. (2) (Minor) Menbar limestone; Devonian; locally carbonaceous limestone; some primary cyrite. Structure; folding, faulting, control on mineralization, age(s): Basin and Range, tensional-fault ground preparation in zone beneath plane of movement of Roberts Mountains thrust, (folding common on large scale). C. Igneous rocks; type, chemistry, geometry, age and relationship to mineralization: (1) Mill Canyon stock; qtz. monz.-granodiorite; 1/2 mile E.; 147-153 m.y. (Jurassic); (2) Rhyolite-quartz porphyry dike swarm (along trend of mineralization in pit), 34.5-37.3 m.y. (Oligocene)

Geochemistry/Alteration ..... A. Major elements; % addition/depletion MgO, K2O, Al2O3, SiO2, minerals, spatial/temporal relationship to gold mineralization: Au mineralization associated with silicification, and decreased carbon, decreased carbonate and decreased magnesia. B. Minor elements; value range in ppm Hg, As, Sb, W, Ba, Ag, Cu, Pb, Zn or other, mineralogy, zoning with ore: Au associated with: As, Hg, Sb, W As = 200-900 pcm 0.5-10 ppm Hg Sb 5-20 ppm 1.1 10-50 C. Principal alteration characterists: bleaching, addition of silica, decrease in carbon and carbonate, locally abundant jasperoid. Organic carbon; evidence of remobilization, carbon and gold relationships, nature of carbon oxidation, carbon compounds, metallurgical problems: Bleached appearance, low carbon suggests widespread hydrothermal removal; Au not with carbon, generally oxide ore types. (C. T. T.)

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| E.  | Silicification; spatial/temporal relation to ore, % jasperoid       |  |  |  |  |  |  |
|     | and % ore in main mineralized area, geochemistry of jasperoid       |  |  |  |  |  |  |
|     |   |  |  |  |  |  |  |
|     | (trace elements): Jasperoid silicification locally abundant in      |  |  |  |  |  |  |
|     | porous breccia zones within ore body.                               |  |  |  |  |  |  |
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| Min | eralization   |  |  |  |  |  |  |
| A.  | Nature of gold; size, distribution, associated carbon, pyrite       |  |  |  |  |  |  |
|     | or clay, types of ore: 0.5-10 micron size (rare to 0.1 mm.);        |  |  |  |  |  |  |
|     | associated with carbon; definitely associated with pyrite and arsen |  |  |  |  |  |  |
|     |   |  |  |  |  |  |  |
|     | pyrite.   |  |  |  |  |  |  |
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| 200° C., 25 ba   | irs; <mark>n</mark> ear surfac | ce deposition within zone of boiling  |
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| lower temperat   | cure and pressur               | re, reactions with carbonate host and |
| possible fixat   | ion by sediment                | tary hydrocarbon.                     |
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| Fluid inclusi  | ion data:None                  |                                       |
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|  | 1.7                            |                                       |
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| Possible sour  | ces of gold:                   | Magmatic source related to quartz     |
| orphyry dikes  | and/or leached                 | from underlying sediments.            |
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5. History of Discovery

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