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Please Return to: D. L. Stevens
133 South Van Gordon St., Suite 300
Lakewood, Colorado 80228

Respondent Placer Amex Inc.

Address Suite 2500
One California Street

San Francisco, Calif. 94111

Phone: 415-986-0740

Property Name Gold Acres, Lander Cty., NV.

Location S 31 T 28 NR 47 E.

Published Reserves: Oxide Ore) 2,400,000 tons mined out
Carbonaceous Ore) ± 2,000,000 tons

Annual Production: Mill (TPY)) To be decided
Leach (TPY)) ?

1. Regional Geology (10 mile radius)

- A. Structure; faulting, folding, age: Roberts Mtn. thrust fault (Dev.-
Miss.); Gold Acres and Boundary faults (Basin and Range normal faults),
folding widespread.
- B. Intrusives; age, composition, geometry, alterations,
mineralization: Buried granitic pluton; 92.8-98.8 m.y. (Cretaceous),
and associated quartz porphyry dikes.

- C. Volcanics; age, composition, type (flow, tuff, etc.),
proximity, depth of mineralization relative to pre-volcanic
surface: Caetano tuff; 30.6-35.5 m.y. (Oligocene); rhyolite welded
tuff; 5 miles SE.

D. Basement lithology; stratigraphic section - thickness and

lithology, known or inferred basement lithology:

| <u>Age</u> | <u>Upper Plate</u> | <u>Lower Plate</u> |
|-------------------|------------------------|-------------------------|
| | Slaven Chert | |
| <u>Devonian</u> | <u>Elder Sandstone</u> | <u>Wenban Limestone</u> |
| | Roberts Mtn. Fm. | Roberts Mtn. Limestone |
| <u>Silurian</u> | | |
| | Valmy Fm. | |
| <u>Ordovician</u> | <u>Vinini Fm.</u> | |

2. Local Geology (1 mile radius)

A. Host rock(s); age, lithology, porosity, permeability, pyrite
(syngenetic) and organic content: (1) Wenban limestone; Devonian;
gray, fine grained, medium to thick-bedded carbonaceous limestone;
some primary pyrite; carbon content varies considerably; (2) Roberts
Mtn. formation; Silurian; platy limestone (lower plate); silicious
argillite (upper plate); variable carbon; some primary pyrite.

B. Structure; folding, faulting, control on mineralization,
age(s): N-S to NE-SW Basin and Range faults superimposed on
Roberts Mtn. thrust; ore zone within intricate slivers in thrust zone
above buried intrusive, folding on large scale common.

C. Igneous rocks; type, chemistry, geometry, age and relationship
to mineralization: (1) Buried granitic pluton; 92.8-98.8 m.y.
(Cretaceous), and associated quartz porphyry dikes.

3. Geochemistry/Alteration

A. Major elements; % addition/depletion MgO, K₂O, Al₂O₃, SiO₂,
minerals, spatial/temporal relationship to gold
mineralization: Weak silicification and decalcification within
ore zones.

B. Minor elements; value range in ppm Hg, As, Sb, W, Ba, Ag, Cu,
Pb, Zn or other, mineralogy, zoning with ore: _____
Au associations: As, B, Hg, W, Ag zoned beyond a Base Metal suite
of Cu, Pb, Zn, As, Bi, Cd, Fe, Mn, Mo

C. Principal alteration characterists: (1) calc silicate and hornfels
alteration above intrusive in sediments; (2) sericitized quartz
porphyry dikes; (3) weak silicification and decalcification in ore
zones.

D. Organic carbon; evidence of remobilization, carbon and gold
relationships, nature of carbon oxidation, carbon compounds,
metallurgical problems: Higher grade Au in carbonaceous rocks (?),
carbonaceous ore can be preg robbing.

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B. Speculation as to composition; temperature and pressure of hydrothermal fluid and mechanism of gold precipitation: _____

Hydrothermal solutions related to emplacement of granitoid pluton;

160-195° C. fluids at 5000 ft. depth; mechanism unknown.

C. Fluid inclusion data: 160-195° C. for Au bearing rocks.

D. Possible sources of gold: Magmatic source or leached from underlying sediments.

5. History of Discovery

Geochemical prospecting and drilling during reevaluation of old
gold mine area in lower plate window.
