

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**CULTURAL RESOURCES INVENTORY NEEDS ASSESSMENT.**

Proponent fills out 1-3

Requested by: Sheila Mallory

1. BLM Office: NV020
2. Project Name Number, and Description: 2-D Geophysical Seismic Line, NVN-079305  
Colado Project, LLC. is proposing to conduct a 2-D seismic geophysical survey. The survey would be conducted from March, 1 to May 31, 2009.  
9 lines oriented north-south and 8 lines oriented east-west totally approximately 225,883 feet of disturbance.  
The seismic lines would consist of 96 stations at 100 foot spacing. Lightweight cable (1/4 inch diameter), recording geophones that sit on the surface of the ground (2 inch diameter), and a lightweight recording unit every 6<sup>th</sup> station would be placed along the line. The impact or "source" vehicle would be a small Kubota RTV, which weighs approximately 1,500 pounds, and would be driven overland (see attached photos). A Nitrogen spring which propels a 200 pound weight onto a stationary plate made of aluminum is attached to the Kubota. An impact would occur at each station (every 100 feet) along the line. The plate transfers a high frequency signal onto the surface of the ground and may leave a 1/4 inch depression. Every attempt would be made to make only one pass of the seismic equipment.
3. Location, Map References: T. 28 N., R. 32 E., sections 26, 34, 36; T. 28 N., R. 33 E., section 30; T. 27 N., R. 32 E., sections 2,10, 12, 14, 22, 24, 26  
USGS Quads: Coal Canyon, Lovelock, Oreana, Arabia 1:24,000

Inventory Type Needed: (File Search determines the level of inventory needed.)

1. None
2. Categorical Exclusion (Number: )
3. Records Check/Class I
4. Reconnaissance
5. Class II
6. Class III

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List results of file search here and recommended level of inventory:

Results of Previous Inventories:

Expectations:

The seismic geophysical sury is a categorical exemption under the State Protocol with SIAPD. The project may proceed with the usual archaeological stipulations. The cat. exemption is #3 on pg. 28. At each location only 1sq m. may be disturbed

Rationale:

Archaeologist: *Patrick Heyman*

Date: *2/24/09*

Supervisor Cultural,  
Lands and Recreation: *Scott R. Richey*

Date: *2/24/2009*

\* The plate is less than 1 sq. meter