

PUBLIC NOTICE
Preparation of an Environmental Assessment
Knight Federal No. 1H Frac Star

Micro Seismic Inc. has filed a Notice of Intent (NOI) to conduct a frac star array. This is a geophysical procedure in which twelve receiver lines are laid out in a star pattern radiating outwards from the well to be stimulated. The lines are spaced radially at approximate 45 degree increments, with each line beginning approximately 1000 feet from the well head and will be approximately 8,700 to 13,300 feet in length with the longer lines centered over the well's lateral area to be stimulated. Receiver points will be every 100 feet with 12 geophones evenly spaced over the 100 foot. The "source" will be the perforating and fracturing procedure of the well to be stimulated. This procedure is used to more closely monitor the underground fracturing procedure of the well to be stimulated.

An Environmental Assessment (EA) will be required under the National Environmental Policy Act and Council for Environmental Quality regulations in order to assess the potential effects of the proposed geophysical exploration operation upon environmental resources in the project area.

The project area is located on a mixture of federal, state, and private lands and is approximately 20 miles west of Carlsbad, New Mexico. The receiver lines and geophones will be laid out across federal, state, and private lands described as follows:

New Mexico Principal Meridian:

Receiver lines:

T22S R23E: Section 33 (E $\frac{1}{2}$ SE $\frac{1}{4}$);
Section 34 (SW $\frac{1}{4}$).

T23S R23E: Section 04: (E $\frac{1}{2}$ NE $\frac{1}{4}$, NW $\frac{1}{4}$ NE $\frac{1}{4}$, SE $\frac{1}{4}$),
Section 09: (NE $\frac{1}{4}$ NE $\frac{1}{4}$).

Through the scoping process for the Environmental Assessment, the Bureau of Land Management will identify and address any impacts to critical environmental resources including, but not limited to cultural resources, wildlife, cave and karst resources, soils, noxious and undesirable weeds, visual resource management, off highway vehicle management, and recreation.

The BLM Carlsbad Field Office must receive comments concerning the proposed geophysical exploration project in writing by the close of business on October 24, 2012.

Please address questions concerning the proposal or the Environmental Assessment, comments on the scope of the Environmental Assessment, and requests to receive a copy of the Environmental Assessment to:

Mr. Todd A. Suter
Surface Protection Specialist
Bureau of Land Management
Carlsbad Field Office
620 East Greene St.
Carlsbad, New Mexico 88220
Phone: (505) 234-5987
Todd_Suter@nm.blm.gov