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**FAX TRANSMITTAL FORM**

To:	Amy Leuders, BLM; Julie A. Serrano, BLM	To Fax #:	505-954-2010; 505-954-2010
From:	Scott D. Hakala Cell Phone: 214-293-4920 e-mail: sdhakala7@gmail.com	Date:	2/16/2016
Re:	Protest of April 20, 2016 Lease Sale of the "Lake Lewisville" Property NM- 201603-43		
Pages:	3		
<input checked="" type="checkbox"/> Urgent <input type="checkbox"/> For Review <input type="checkbox"/> Please Comment <input type="checkbox"/> Please Reply <input type="checkbox"/> Please Recycle			

Please find attached signed letter. Thank you.

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Scott D. Hakala, Ph.D., CFA  
808 Tree Haven Ct  
Highland Village, TX 75077

Amy Leuders, Director  
Bureau of Land Management  
New Mexico State Office  
301 Dinosaur Trail  
Santa Fe, NM 87508  
Via Fax: (505) 954-2010

Julie Anne Serrano, Lead Land Law Examiner  
Bureau of Land Management  
New Mexico State Office  
P.O. Box 27115  
Santa Fe, New Mexico 87502-0115  
Via Fax: (505) 954-2010

February 16, 2016

**Re: Protest of April 20, 2016 Lease Sale of the "Lewisville Lake" Property NM-201603-43**

Dear Ms. Leuders and Ms. Serrano:

I am filing this Protest of the Bureau of Land Management's (BLM) planned April 21, 2016 oil and gas lease sale and Environmental Assessment DOI-BLM-NM-040-2015-61-EA, pursuant to 43 C.F.R. Section 3120.1-3. I formally protest the inclusion of the following parcel NM-201603-43, covering 258.9 acres on/adjacent to Lake Lewisville.

I am filing this protest on behalf of our family. We live at 808 Tree Haven Ct, Highland Village, TX 75077. I can be reached at sdhakala7@gmail.com.

We are an affected party by the auction of the 10-year mineral lease on the property because:

1) We live in Highland Village, TX. The City of Highland Village obtains its drinking water from Lake Lewisville and public water wells near the lake. Our home is located close to the proposed leases and is adjacent to Army Corp property (on Lake Lewisville). We use lake water, pursuant to a permit with Dallas Water Utilities, to irrigate our property (as do a number of our neighbors) with water from Lake Lewisville. During period of high lake levels, the lake water comes on to our property (covering most of our back yard when the lake is full). We are worried about the potential risk of contamination of both the lake and our drinking water through possible drilling runoff from the site. The possible migration of contaminants through our water wells could also impair our public water wells. A 2015 peer-reviewed study by Dr. Zachariah Hildenbrand and others, "A Comprehensive Analysis of Groundwater Quality in the Barnett Shale," gives indications that fracking compounds have been detected near well sites in water sampling done in Denton county and other areas of the Barnett shale.

2) We are concerned about the potential for increased seismic activity from added drilling in and around Lake Lewisville affecting the Lewisville Dam. The Lewisville Dam is currently under repair after a 161 foot by 23 foot slide on an earthen embankment this past spring. There are currently three additional areas of seepage being monitored by the United States Army Corp of Engineers. Additional drilling or the migration of drilling fluids along existing fault areas below the lake could negatively impact the integrity of the dam's infrastructure. The Lewisville Dam

has been listed as the 8<sup>th</sup> most hazardous dam in the country. The U.S. Army Corp of Engineers has stated that the Lake Lewisville Dam is in urgent need of repair and classified it as a very high-risk dam. The Corps assessment does not take into account the tragic consequences of a dam failure which would include: loss of lives downstream in addition to disastrous economic and environmental impact on downstream communities Lewisville, Carrollton, Coppell, Farmers Branch and Dallas. A 2013 presentation by US Army Corps Engineer, Anita Branch identified issues of concern in the relationship of dams and drilling. The issues include induced seismicity (earthquakes), the transmission of fracking fluids outside the target zone via natural faults underground, and the disposal of flow-back water raising the potential for ground and surface water contamination. Ms. Branch also pointed out that gas drilling was not considered in the design of the dams.

3) We are concerned about seismic activity affecting the bridges over the lake on FM2499. It is heavily traveled to get to UNT and NTCC as well as other businesses in Denton. The drilling site may very well be within 3000 feet of this highway.

4) We are worried about potential contaminants in parks at Lake Lewisville. We have camped at Pilot Knoll Park and Hickory Creek Park (with our children and scout troops), and we don't want oil and gas residue from spills or contaminants from hydraulic fracking in the lake or on the shoreline.

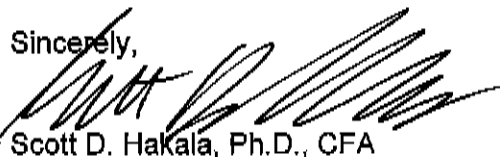
5) We are concerned about the potential impact on home sales in my neighborhood as well as the impact on my local economy should this parcel become contaminated. We have a view of this area of the lake from the front of our home.

6) Denton County air quality is currently designated as "serious" with regard to not having healthy air under the federal Clean Air Act. In 2015, the EPA took public comments regarding elevating the entire 10-county DFW area to "severe." Any drilling air emissions will only add to our unhealthy air quality.

7) The Environmental Assessment (EA) for this proposed lease sale is substantially and procedurally flawed. There was no analysis of how drilling, fracking, or wastewater injection could impact the Woodbine, Trinity or Paluxy aquifers in relation to this parcel. The EA does not address the soils or the geology regarding this Lake Lewisville parcel along with other important issues. Therefore, BLM's offer of this parcel is unlawful as it fails to sufficiently address the above issues as required by the National Environmental Protection Act (NEPA).

Why risk contaminating our lake, our shoreline, our parks, the water supply for over 2 million people by drilling here? There are other properties that are less risky, less hazardous. Please pull this parcel from the April 20 auction. Do not put my family's water, health, and well-being at risk.

Sincerely,



Scott D. Hakala, Ph.D., CFA

Cc: Congressman Burgess  
Senator Jane Nelson  
State Representative Tan Parker  
State Representative Ron Simmons