

BLM Form 3150-4  
FS Form 2800-16  
(May 2006)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
DEPARTMENT OF AGRICULTURE  
FOREST SERVICE

FORM APPROVED  
OMB NO. 1004-0162  
Expires: February 28, 2009

NOI Case File No.

NOTICE OF INTENT AND AUTHORIZATION TO CONDUCT  
OIL AND GAS GEOPHYSICAL EXPLORATION OPERATIONS

Lessee or Operator <u>Vintage Production California LLC</u>		Project Name <u>Carrizo Plains 2D Geophysical Project</u>	
Address <u>9600 Ming Avenue, Suite 300</u>		Do you have a bond on file with the Agency? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
City <u>Bakersfield</u>	State <u>CA</u>	Which Agency? <input checked="" type="checkbox"/> BLM <input type="checkbox"/> Forest Service	
Zip Code <u>93311</u>	Phone No. (Include area code) <u>661.869.8000</u>	Bond No. <u>104746009 - BLM # CAB000173</u>	Bond Amount: \$ <u>250,000, Statewide</u>
E-Mail Address <u>Russ Ledbetter@oxy.com</u>		Bond No. <u>6194690 - BLM # ESBO136, Bond Amount: \$150,000, Nationwide</u>	

Geophysical Co. <u>To be determined</u>		Geophysical Co. Representative	
Address		Address	
City	State	City	State
Zip Code	Phone No. (Include area code)	Zip Code	Phone No. (Include area code)
E-Mail Address		Cellular Phone No. (Include area code)	

Local Rep./Party Chief

1. Legal Description: Give the legal and land description of the lands involved using Meridian, Township, Range, and Section(s), or metes and bounds as appropriate:

Township 32 South, Range 21 East, Mount Diablo Meridian, San Luis Obispo County, California  
Portions of the following Sections: 10, 15, 16, 20, 21, 29, 30, 31; as approximately depicted on attached map



You must also submit a map with a minimum scale of one-half inch per mile showing the general area and project location. We recommend a 7 1/2-minute USGS quadrangle or the scale commonly used in the area. For seismic operations, your maps should include source and receiver lines, surface ownership, and any Federal lands under lease. When survey lines are along property boundaries between Federal and private lands, indicate which side of the line you will use.

2. Do you hold any Federal leases within the project area?  Yes  No (If yes, indicate location and lease numbers on an attached map.) Note: There is no fee for operations on your Federal lease.

3. If you are proposing seismic exploration, how many miles of source line (2-D), or acres (3-D) (to the nearest 10 acres) of survey are on:

a. Your Federal Lease 0 b. Other Federal lands one five mile line

4. When do you expect to start exploration? \_\_\_\_\_ How long will the project last? \_\_\_\_\_ days.

Describe any of your critical time frames associated with the proposed project, such as equipment or contractor availability.

Implementation of the project will commence as soon as possible upon receipt of permit. Field operations may take up to two weeks.

Contractor availability is considered the main issue affecting timely execution of the project. Company will negotiate with seismic contractor(s) that have suitable crews available near the area when the permit is issued. Limited scope of the project and therefore economics are prohibitive to long distance mobilization solely for this job.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. (Section 1212 make it a crime for any person knowingly and willfully to make to any Department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Continued on page 2)

## Description and Type of Operations (check all that apply):

a. Survey Type:  2-D  3-D  Gravity/Magnetic  Other (explain):

Describe the survey type:

2-D seismic reflection method. One five mile line. Vibroseis method or shothole method, depending on BLM directive.

b. Survey Method:  Surface charge  Shothole  Vibroseis  Other (explain):

What type and amount of explosives per source point will you use? Dynamite - 2.2lb charge

What shotpoint pattern and spacing will you use? 55 ft SP interval What will be the shothole depth? one 30 ft hole

Did you attach or display a diagram of the shotpoint pattern on the project map?  Yes  No

Describe the survey method:

- |  |  |
|--|--|
| <ul style="list-style-type: none"> <li>i. Four Vibrators</li> <li>ii. Inline Array</li> <li>iii. 55' vp interval</li> <li>iv. Sweeps/vp TBD</li> <li>v. 480 Recording channels</li> <li>vi. Split spread</li> <li>vii. 55' receiver group interval</li> <li>viii. 6-12 geophones/group</li> <li>ix. 55' Near offset</li> </ul> | <ul style="list-style-type: none"> <li>i. Shot holes to be drilled by small tractor or buggy mounted rigs</li> <li>ii. Holes will be auger drilled where possible</li> <li>iii. Charges will be backfilled and tamped to enhance signal and prevent blowout</li> </ul> |
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c. Transport Method:  Vibrator Trucks  Pick-up Truck  Buggy/ATV  Backpack  Helicopter

Describe your transportation plans, including types and numbers of vehicles and how you will access the project area:

Vibrator trucks and minimal number of ATV's for support, if Vibroseis method used.  
Buggy or tractor mounted drills if shothole method used.

VPC will, when possible, use existing roads and surface disturbances for the seismic activities. Any new roads or trails will be minimized to include only what is necessary for the project needs. Traffic will be kept to a minimum on these new or existing roads during the active part of the project. No unauthorized off road traffic will be allowed.

d. Operating Procedures--Describe your operating procedures, including how you will minimize surface impacts. Describe support facilities you need, such as helispots, camps, or powder magazines; construction of roads or trails, proposed plugging procedures for shotholes; and general clean-up procedures:

Employees and contractors will be trained to transportation and road use guidelines. In addition training will be given on any other sensitive issues regarding plants, animals and their habitat in the area as well as the standard "Best Management Practices" for projects such as this. Project areas will be readily identified to insure the employees and contractors stay within approved project boundaries.

Once the project is complete all identification flagging and any other equipment will be removed and any new roads or trails that were required will be returned to the original condition prior to the project.

Terms and Conditions

1. The Bureau of Land Management (BLM) or Forest Service (FS) (Agency) must approve any Surface disturbing activities in addition to those approved in this NOI, such as route changes, placement of magazines, towing with a tractor, blading, dozing, snow removal, and vegetation removal. I must notify the Agency in writing of any changes in the original proposal and have Agency approval in writing for the changes before proceeding with them. Stacking sourcepoints to avoid sensitive resources or areas does not require prior Agency approval.
2. This NOI expires on \_\_\_\_\_, unless the Agency extends it in writing before that date.
3. I understand that this NOI does not grant any exclusive right to the described lands for geophysical exploration, or other purposes. The land area described above is at all times subject to any other lawful uses by the United States, its lessees, permittees, licensees, and assigns.
4. I must notify the Agency at least \_\_\_\_\_ days, but no more than \_\_\_\_\_, prior to initiating the project and entering upon the public lands.
5. In the field, each seismic crew must have with it a copy of the approved NOI and its terms and conditions.
6. The Agency may suspend or terminate this NOI if there is a violation of any of its conditions.
7. I must suspend operations when the operations may unnecessarily damage the surface, such as when rutting would occur due to wet soil conditions.
8. I must indemnify the United States for any liability for damage to life or property resulting from the occupancy or use of public lands under the NOI.
9. I must take all reasonable precautions to prevent and must suppress fires. The Agency may specify in writing the fire prevention and firefighting equipment I need. At my expense, I must extinguish all fires set or caused as a result of operations under this NOI and must report all fires to the Agency.
10. I must diligently protect from unnecessary damage United States land and property covered by this NOI. I must pay the United States for any damage resulting from my or my agents' or employees' violation of the terms of this NOI or any law or regulation applicable to the lands involved.
11. I must store and handle powder magazines and explosives according to U. S. Bureau of Alcohol, Tobacco and Firearms standards (see 27 CFR Part 55). I must properly secure loaded shotholes.
12. I must complete shothole plugging under Agency guidelines and the guidelines of any other local, Federal or State regulatory authority.
13. I must remove all materials and equipment I placed on the premises and restore the site to the Agency's satisfaction immediately after I complete the project unless the Agency approves other arrangements.
14. I must file a Notice of Completion (NOC) Form within 30 days after completing operations and reclamation. If the location of the project is different from that in the approved NOI, I must submit a revised map with the NOC (1:24,000 scale, where available), including source points.
15. I must pay to the United States \$ \_\_\_\_\_ per \_\_\_\_\_ according to the regulations.
16. This geophysical exploration project is subject to the attached Conditions of Approval \_\_\_\_\_ through \_\_\_\_\_ and Exhibits \_\_\_\_\_.

WARNING: If you purposely give false or misleading information, you may be fined \$10,000, sent to prison, or both (see Title 18 U.S.C. 1001 statement on page 1).

I agree that I and my agents must conduct the geophysical exploration under all Federal, State and local laws, and applicable regulations and must comply with this NOI and any attached terms and conditions.

Russell P. Ledbetter

(Printed Name of Authorized Company Representative)

(Signature of Authorized Company Representative)

3-10-08

(Date)

(Printed Name of Agency Signing Officer)

(Signature of Agency Signing Officer)

(Title of Agency Signing Officer)

(Date)

NOTICES

The Privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this Notice of Intent and Authorization to Conduct Oil and Gas Geophysical Exploration Operations.

AUTHORITY: 30 U.S.C. 181 et seq.

PRINCIPAL PURPOSE: We use the information to Process your Notice

ROUTINE USES: (1) The processing of the operator a Notice of Intent and Authorization to Conduct Oil and Gas Geophysical Exploration Operations, (2) To determine that mitigating measures are made to protect the environment. (3) Transfer to appropriate Federal agencies when concurrence is required prior to granting a right in public lands or resources, (4) Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies when relevant to civil, criminal or regulatory investigations or prosecutions.

EFFECT OF NOT PROVIDING INFORMATION: Disclosure of the information is voluntary. If all the information is not provided, your right to conduct geophysical exploration activities may be revoked.

The Paperwork Reduction Act of 1995 (44 U.S.C. 3501 et seq.) requires us to inform you that:

BLM will collect this information under 43 CFR 3150.

FS will collect this information under 36 CFR 251.15.

BLM/FS will use this information to process geophysical exploration notices.

Response to this request is required to obtain a benefit.

BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

BURDEN OF HOURS STATEMENT: Public reporting burden for this form is estimated to average 1 hour per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing of the form. Direct comments regarding the burden estimate or any other aspect of this form to the U.S. Department of the Interior, Bureau of Land Management (1004-0162), Bureau Information Collection Clearance Officer (WO-630), 1849 C Street, N.W, Mail Stop 401 LS, Washington, D.C. 20240.