

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
GEOTHERMAL SUNDRY NOTICE

FORM APPROVED  
OMB NO. 1004-0132  
Expires December 31, 2013

The Bureau of Land Management (BLM) requires this form or other BLM approved forms to be prepared and filed in triplicate with requisite attachments. The BLM must approve this permit prior to any lease operations.

6 Lease Serial No Not Applicable	
7 Surface Manager: <input checked="" type="checkbox"/> BLM <input type="checkbox"/> FS <input type="checkbox"/> Other	
8 Unit Agreement Name Not Applicable	
9 Well No. Not Applicable	10 Permit No. unknown
11 Field or Area Northern Dixie Valley, Nevada	
12 Sec., T., R., B & M. See Table 1	
13. County Pershing and Churchill Counties	
14. State NV	
1a Well Type: <input type="checkbox"/> Production <input type="checkbox"/> Injection <input type="checkbox"/> Heat Exchange <input type="checkbox"/> Observation <input checked="" type="checkbox"/> Other	
1b. Well Status: Not Applicable	
2. Name of Lessee/Operator Operator is AltaRock Energy Inc.	
3 Address of Lessee/Operator 2320 Marinship Way, Suite 200 Sausalito, California 94965	
4 Location of Well or Facility This is for a geothermal exploration passive seismic survey. Figure 1 provides the revised surface locations. These stations have been revised so that they are in proximity to a road to minimize surface disturbance.	
5 Type of Work <input checked="" type="checkbox"/> Change Plans <input type="checkbox"/> Site and Road Construction <input type="checkbox"/> Construct New Production Facilities <input type="checkbox"/> Alter Existing Production Facilities <input type="checkbox"/> Convert to Injection <input type="checkbox"/> Fracture Test <input type="checkbox"/> Shoot or Acidize <input type="checkbox"/> Repair Well <input type="checkbox"/> Pull or Alter Casing <input type="checkbox"/> Multiple Complete <input type="checkbox"/> Abandon <input type="checkbox"/> Other	

15 Describe Proposed Operations (Use this space for well activities only. See instructions for current well conditions on page 2.)

RECEIVED BLM  
WINNEMUCCA NV  
2011 AUG 25 PM 2:05

16. Describe Proposed Operations (Use this space for activities other than well work.)

Sundry Notice - Attachment 1

17 I hereby certify that the foregoing is true and correct  
Signed Joe Smith Title VP Resource Date 08/23/2011  
(This space for Federal use)

Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_  
Conditions of Approval, if any \_\_\_\_\_

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.

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Expires: December 31, 2013

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1a. Well Type:  Production  Injection  Heat Exchange  Observation  Other

1b. Well Status:  
Not Applicable

2. Name of Lessee/Operator  
Operator is AltaRock Energy Inc.

3. Address of Lessee/Operator  
2320 Marinship Way, Sausalito, California 94965

4. Location of Well or Facility  
This is for a geothermal exploration passive seismic survey. Figure 1 provides the revised surface locations. These stations have been revised so that they are in proximity to a road to minimize surface disturbance.

5. Type of Work  
 Change Plans  
 Site and Road Construction  
 Construct New Production Facilities  
 Alter Existing Production Facilities  
 Convert to Injection  
 Fracture Test  
 Shoot or Acidize  
 Repair Well  
 Pull or Alter Casing  
 Multiple Complete  
 Abandon  
 Other

6. Lease Serial No.  
Not Applicable

7. Surface Manager:  BLM  FS  
 Other

8. Unit Agreement Name  
Not Applicable

9. Well No. Not Applicable  
10. Permit No. unknown

11. Field or Area  
northern Dixie Valley, Nevada

12. Sec., T., R., B. & M.  
See Table 1

13. County  
Pershing and Churchill Counties

14. State  
NV

15. Describe Proposed Operations (Use this space for well activities only. See instructions for current well conditions on page 2.)

16. Describe Proposed Operations (Use this space for activities other than well work.)

Table 1 provides lat-long coordinates for the original (for comparative purposes) and revised seismic stations. The seismic equipment will require (1) placement in a hole that is 36-inches in diameter and 42-inches deep, (2) a cement vault for the seismometer, (3) a small tracked vehicle (a small bobcat) to dig holes where hadn digging is not sufficient or effective, and (4) placement of the weatherproof box on two 7 ft by 3" galvanized pipes laid horizontally instead of vertically as initially planned and having the solar panels mounted onto the weatherproof box instead as originally planned on the vertical poles.

Additionally, we will (1) either use a flatbed to move the tracked vehicle to the station location or a trailer hitched to a 4-wheel drive SUV, whichever is most effective for the field conditions (2) SUVs and possibly a dune buggy from UNR if appropriate, and (3) bring in water for the concrete via the SUVs..

17. I hereby certify that the foregoing is true and correct

Signed [Signature] Title VP Resource Date 05/16/2011

(This space for Federal use)  
**MICHAEL TRUDEN**

Approved by [Signature] Title FM Date **JUN 06 2011**

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(Continued on page 2)

R. Minky 6/16/2011  
D.H. 6/16/11

2011 JUN -3 PM 2:16  
RECEIVED BLM  
WINNEMUCCA NV

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
**NOTICE OF INTENT TO CONDUCT GEOTHERMAL RESOURCE  
EXPLORATION OPERATIONS**

FORM APPROVED  
OMB No. 1004-0132  
Expires: July 31, 2010

Applicant(s) AltaRock Energy Inc.	Address (include zip code) 2320 Marinship Way Suite 300 Sausalito, CA 95965
Operator (name and telephone number) include area code Joe Ioventlu 415-367-4457	Address (include zip code) as above
Contractor(s) see Attachment 1	Address (include zip code) see Attachment 1

hereby apply for authorization to conduct exploration operations pursuant to the provisions of 43 CFR 3250 now or hereafter in force across and upon the following-described lands (give description of lands by township, attach map or maps showing lands to be entered or affected)  
Figures 1, 2 and 3 show the locations of the survey sites to be entered relative to the seismic noise survey and the magneto-tellurics stations. Tables 1, 2, and 3 present the GPS coordinates for these stations.

Type of operations to be conducted (give brief description).  
Passive seismic noise and seismic event monitoring

Exploration operations will be conducted during the period (date) from 03/01/2011 to 10/01/2011

Attached  \$ Surety bond  Rider to Nationwide bond  Rider to Statewide bond  Bond to be furnished

Upon completion of exploration operations, the undersigned agrees to notify the Bureau of Land Management (BLM) that authorized exploration operations have been completed in conformance with the general and special terms and stipulations of the notice.

The undersigned hereby agrees (1) that he will not enter upon the described land until he has been informed in writing whether there are special stipulations applicable to his Notice of Intent, as to either time or method of operation or otherwise, and if there are such stipulations, what those stipulations are, (2) that he will comply with those special stipulations, if any; and (3) that he will not enter upon the described lands until his entry has been approved by the BLM.

The undersigned agrees to be bound by the terms and conditions of this notice to conduct exploration operations when approved by the BLM.

The undersigned agrees that the filing of this Notice under the regulations (43 CFR Subpart 3250) does not vest or confer any preference right to a geothermal resources lease.

The undersigned agrees further that all exploration operations must be conducted pursuant to the following terms and conditions:

1. Exploration operations must be conducted in compliance with all Federal, State, and local laws, ordinances, or regulations which are applicable to the area of operations including, but not limited to, those pertaining to fire, sanitation, conservation, water pollution, fish, and game. All operations hereunder must be conducted in a prudent manner.
2. Due care must be exercised in protecting the described lands from damage. All necessary precautions must be taken to avoid any damage other than normal wear and tear to improvements on the land including, but not limited to, gates, bridges, roads, culverts, cattle guards, fences, dams, dikes, vegetative cover, improvements, stock watering, and other facilities.
3. All drill holes must be capped when not in use and appropriate procedures must be taken to protect against hazards in order to protect the lives, safety, or property of other persons or of wildlife and livestock.

4. All vehicles must be operated at a reasonable rate of speed and, in the operation of vehicles, due care must be taken to safeguard livestock and wildlife in the vicinity of operations. Existing roads and trails must be used wherever possible. If new roads and trails are to be constructed, the BLM must be consulted prior to construction as to location and specifications. Reclamation and/or seeding of new roads and trails must be made as requested by the BLM.
5. Upon expiration, conclusion, or abandonment of operations conducted pursuant to this Notice, all equipment must be removed from the land, and the land must be restored as nearly as practicable to its original condition by such measures as the BLM may specify. All geophysical holes shall be safely plugged. The BLM must be furnished a Notice of Completion of Geothermal Resource Exploration Operations (Form 3200-10) immediately upon cessation of all such operations and must be further informed of the completion of reclamation work as soon as possible.
6. Location and depth of water sands encountered must be disclosed to the BLM.

- 7. Operator must contact the BLM prior to actual entry upon the land in order to be appraised of practices which must be followed or avoided in the conduct of exploration operations pursuant to the terms of this Notice and applicable regulations. Operator will conduct no operations on the land unless the attached bond is in good standing.
- 8. Due care must be exercised to avoid scarring or removal of ground vegetative cover.
- 9. All operations must be conducted in such a manner to avoid (a) blockage of any drainage systems; (b) changing the character, or causing the pollution or siltation of rivers, streams, lakes, ponds, waterholes, seeps and marshes; and (c) damaging fish and wildlife resources or habitat. Cuts or fills causing any of the above-mentioned problems will be repaired immediately in accordance with specification of the BLM.
- 10. Vegetation must not be disturbed within 300 feet of waters designated by the BLM, except at approved stream crossings.
- 11. Surface damage which induces soil movement and/or water pollution must be subject to corrective action as required by the BLM.
- 12. Trails and campsites must be kept clean. All garbage and foreign debris must be eliminated as required by the BLM.
- 13. Operator must protect all survey monuments, witness corners, reference monuments, and bearing trees against destruction, obliteration, or damage. He must, at his expense, reestablish damaged, destroyed, or obliterated monuments and corners, using a licensed surveyor, in accordance with Federal survey procedures. A record of the reestablishment must be submitted to the BLM.
- 14. Operator must make every reasonable effort to prevent, control, or suppress any fires started by the operator, and to report, as soon as possible, to the BLM location and size of fires, and assistance needed to suppress such fires. Operator must inform the BLM as soon as possible of all fires, regardless of location, noted, or suppressed by independent action.
- 15. No work must be done within one-half mile of a developed recreation site without specific written authority from the BLM. Any travel within one-half mile of a recreation site must be over existing roads or trails.
- 16. Use of explosives within one-half mile of designated waters is prohibited unless approved, in writing, by the BLM.
- 17. If operations conducted under the provisions of this Notice causes any damage to the surface of the national resource lands, such as, but not limited to, soil erosion, pollution of water, injury or destruction of livestock or wildlife, or littering, operator must, within 48 hours, file with the BLM a map showing exact location of such damage and a written report containing operator's plans for correcting or minimizing damage, if possible.
- 18. Violation of, or failure to comply with any of these terms and conditions will result in immediate shutdown of field operations until deficiency is corrected. Failure to correct deficiency within the time period allowed by the BLM will result in forfeiture of bond.
- 19. The Bureau of Land Management reserves the right to close any area to operators in periods of fire danger or when irreparable damage to natural resources is imminent.
- 20. Contractor will be liable for assuring compliance with all terms and conditions of this Notice and all sections of his designated operator, agents, and employees.
- 21. Where continuation of the operation will result in irreparable damage to the land and other natural resources this Notice will be immediately canceled by the BLM.

22. Special Stipulations:

<i>Joe Jovanita</i> (Signature of Applicant)	1 Nov '10 (Date)	<i>Joe Jovanita</i> (Signature of Operator)	1 Nov '10 (Date)
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We hereby agree to the special stipulations added and made a part of this Notice to conduct exploration operations.

(Signature of Holder of Notice)	(Date)	(Signature of Operator)	(Date)
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I hereby approve this Notice to conduct exploration operations.

(Signature of BLM)	(Title)
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