

Scott A. Verhines, P.E.
State Engineer



Santa Fe Office
PO BOX 25102
SANTA FE, NM 87504-5102

ESHID-600141

Trn Nbr: 550701 **STATE OF NEW MEXICO**
File Nbr: RG 94875 **OFFICE OF THE STATE ENGINEER**

Jul. 21, 2014

KIMBERLY DAVIS LEBAK
U.S DEPARTMENT OF ENERGY
3747 WEST JEMEZ RD. MS-A316
LOS ALAMOS, NM 87544

Greetings:

Enclosed is your copy of the above numbered permit that has been approved subject to the conditions set forth on the approval page. In accordance with the conditions of approval, the well can only be tested for 131 cumulative days, and the well is to be plugged on or before 07/21/2015, unless a permit to use the water is acquired from this office.

A Well Record & Log (OSE Form wr-20) shall be filed in this office within twenty (20) days after completion of drilling, but no later than 07/21/2015.

Appropriate forms can be downloaded from the OSE website www.ose.state.nm.us or will be mailed upon request.

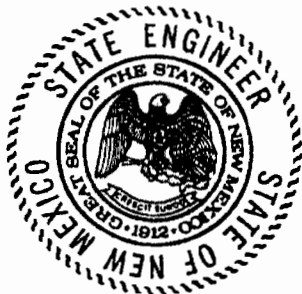
Sincerely,

A handwritten signature in black ink, appearing to read "Ramona Martinez".

Ramona Martinez
(505) 827-6120

Enclosure

explore



36931



File No. **B6-94875****NEW MEXICO OFFICE OF THE STATE ENGINEER****APPLICATION FOR PERMIT TO DRILL A WELL
WITH NO CONSUMPTIVE USE OF WATER**

(check applicable box):

For fees, see State Engineer website: <http://www.ose.state.nm.us/>

Purpose: ☒ Pollution Control And / Or Recovery ☐ Geo-Thermal
☐ Exploratory ☐ Construction Site De-Watering ☐ Other (Describe):
☐ Monitoring ☐ Mineral De-Watering

A separate permit will be required to apply water to beneficial use.

☒ Temporary Request - Requested Start Date: **06/23/2014**Requested End Date: **06/23/2017**Plugging Plan of Operations Submitted? ☐ Yes ☒ No**1. APPLICANT(S)**

Name: U.S. Department of Energy, National Nuclear Security Administration, Los Alamos Field Office		Name:	
Contact or Agent: Kimberly Davis Lebak, Manager	check here if Agent <input type="checkbox"/>	Contact or Agent:	check here if Agent <input type="checkbox"/>
Mailing Address: 3747 West Jemez Road, MS-A316		Mailing Address:	
City: Los Alamos		City:	
State: NM	Zip Code: 87544	State:	Zip Code:
Phone: (505) 667-5105	<input type="checkbox"/> Home <input type="checkbox"/> Cell	Phone:	<input type="checkbox"/> Home <input type="checkbox"/> Cell
E-mail (optional):		E-mail (optional):	

FOR OSE INTERNAL USE

Application for Permit, Form wr-07, Rev 4/12/12

File Number:

Trn Number: **550701**

Trans Description (optional):

Sub-Basin:

PCWI/ OG Due Date:

2. WELL(S) Describe the well(s) applicable to this application.

Location Required: Coordinate location must be reported in NM State Plane (NAD 83), UTM (NAD 83), or Latitude/Longitude (Lat/Long - WGS84).

District II (Roswell) and District VII (Cimarron) customers, provide a PLSS location in addition to above.

- ☒ NM State Plane (NAD83) (Feet)
 ☐ UTM (NAD83) (Meters)
 ☐ Lat/Long (WGS84) (to the nearest 1/10th of second)
- ☐ NM West Zone
 ☐ Zone 12N
- ☐ NM East Zone
 ☐ Zone 13N
- ☒ NM Central Zone

Well Number (If known):	X or Easting or Longitude:	Y or Northing or Latitude:	Provide if known: -Public Land Survey System (PLSS) (Quarters or Halves , Section, Township, Range) OR - Hydrographic Survey Map & Tract; OR - Lot, Block & Subdivision; OR - Land Grant Name
CrEX-1	1,638,440.003	1,767,520.736	

NOTE: If more well locations need to be described, complete form WR-08 (Attachment 1 – POD Descriptions)

Additional well descriptions are attached: ☐ Yes ☒ No If yes, how many _____

Other description relating well to common landmarks, streets, or other: Well is in the Los Alamos National Laboratory boundary. Well will be located on the south side of Puye Rd. which is an access road into Mortandad Canyon from Technical Area - 05.

Well is on land owned by: U.S. Department Of Energy

Well Information: **NOTE: If more than one (1) well needs to be described, provide attachment.** Attached? ☐ Yes ☒ No
If yes, how many _____

Approximate depth of well (feet): 1200.00

Outside diameter of well casing (inches): 8.75

Driller Name: TBD

Driller License Number: TBD

3. ADDITIONAL STATEMENTS OR EXPLANATIONS

The Temporary Permit request to the New Mexico Environment Department Groundwater Bureau for treatment and land application of pumped groundwater for CrEX-1 is attached. Additional information was provided in the initial application package dated April 17, 2014.

4. SPECIFIC REQUIREMENTS: The applicant must include the following, as applicable to each well type. Please check the appropriate boxes, to indicate the information has been included and/or attached to this application:

Exploratory: <input type="checkbox"/> Include a description of any proposed pump test, if applicable.	Pollution Control and/or Recovery: <input checked="" type="checkbox"/> Include a plan for pollution control/recovery, that includes the following: <input type="checkbox"/> A description of the need for the pollution control or recovery operation. <input type="checkbox"/> The estimated maximum period of time for completion of the operation. <input type="checkbox"/> The annual diversion amount. <input type="checkbox"/> The annual consumptive use amount. <input type="checkbox"/> The maximum amount of water to be diverted and injected for the duration of the operation. <input type="checkbox"/> The method and place of discharge. <input type="checkbox"/> The method of measurement of water produced and discharged. <input type="checkbox"/> The source of water to be injected. <input type="checkbox"/> The method of measurement of water injected. <input type="checkbox"/> The characteristics of the aquifer. <input type="checkbox"/> The method of determining the resulting annual consumptive use of water and depletion from any related stream system. <input checked="" type="checkbox"/> Proof of any permit required from the New Mexico Environment Department. <input type="checkbox"/> An access agreement if the applicant is not the owner of the land on which the pollution plume control or recovery well is to be located.	Construction De-Watering: <input type="checkbox"/> Include a description of the proposed dewatering operation, <input type="checkbox"/> The estimated duration of the operation, <input type="checkbox"/> The maximum amount of water to be diverted, <input type="checkbox"/> A description of the need for the dewatering operation, and, <input type="checkbox"/> A description of how the diverted water will be disposed of.	Mine De-Watering: <input type="checkbox"/> Include a plan for pollution control/recovery, that includes the following: <input type="checkbox"/> A description of the need for mine dewatering. <input type="checkbox"/> The estimated maximum period of time for completion of the operation. <input type="checkbox"/> The source(s) of the water to be diverted. <input type="checkbox"/> The geohydrologic characteristics of the aquifer(s). <input type="checkbox"/> The maximum amount of water to be diverted per annum. <input type="checkbox"/> The maximum amount of water to be diverted for the duration of the operation. <input type="checkbox"/> The quality of the water. <input type="checkbox"/> The method of measurement of water diverted. <input type="checkbox"/> The recharge of water to the aquifer. <input type="checkbox"/> Description of the estimated area of hydrologic effect of the project. <input type="checkbox"/> The method and place of discharge. <input type="checkbox"/> An estimation of the effects on surface water rights and underground water rights from the mine dewatering project. <input type="checkbox"/> A description of the methods employed to estimate effects on surface water rights and underground water rights. <input type="checkbox"/> Information on existing wells, rivers, springs, and wetlands within the area of hydrologic effect.
Monitoring: <input type="checkbox"/> Include the reason for the monitoring well, and, <input type="checkbox"/> The duration of the planned monitoring.	(Continued from above)	Geo-Thermal: <input type="checkbox"/> Include a description of the geothermal heat exchange project, <input type="checkbox"/> The amount of water to be diverted and re-injected for the project, <input type="checkbox"/> The time frame for constructing the geothermal heat exchange project, and, <input type="checkbox"/> The duration of the project. <input type="checkbox"/> Preliminary surveys, design data, and additional information shall be included to provide all essential facts relating to the request.	(Continued from above)

ACKNOWLEDGEMENT

I, We (name of applicant(s)), Kimberly Davis Lebak, Manager

Print Name(s)

affirm that the foregoing statements are true to the best of (my, our) knowledge and belief.

Kimberly Davis Lebak
Applicant Signature

Applicant Signature

ACTION OF THE STATE ENGINEER

This application is:

☒ approved

☐ partially approved

☐ denied

provided it is not exercised to the detriment of any others having existing rights, and is not contrary to the conservation of water in New Mexico nor detrimental to the public welfare and further subject to the attached conditions of approval.

Witness my hand and seal this 21 day of July 20 14, for the State Engineer,

Scott A. Verhinas, P.E., State Engineer

By: [Signature]
Signature

Ramona Martinez
Print

Title:

FOR USE INTERNAL USE

Application for Permit, Form wr-07

File Number: R1-04071

Trm Number: 50071

**NEW MEXICO STATE ENGINEER OFFICE
PERMIT TO EXPLORE**

SPECIFIC CONDITIONS OF APPROVAL

- 4 No water shall be appropriated and beneficially used under this permit.
- 5A A totalizing meter shall be installed before the first branch of the discharge line from the well and the installation shall be acceptable to the State Engineer; the Engineer shall be advised of the make, model, serial number, date of installation, and initial reading of the meter prior to appropriation of water; pumping records shall be submitted to the District Supervisor for each calendar month on or before the 10th day of the following month.
- B The well shall be drilled by a driller licensed in the State of New Mexico in accordance with Section 72-12-12 New Mexico Statutes Annotated.
- C Driller's well record must be filed with the State Engineer within 20 days after the well is drilled or driven. Well record forms will be provided by the State Engineer upon request.
- C1 A complete and properly executed Well Record on the form provided by the State Engineer shall be filed not later than twenty (20) days after completion of the well.
Test data shall be filed not later than twenty (20) days after completion of the test(s).
- G If artesian water is encountered, all rules and regulations pertaining to the drilling and casing of artesian wells shall be complied with.

**NEW MEXICO STATE ENGINEER OFFICE
PERMIT TO EXPLORE**

SPECIFIC CONDITIONS OF APPROVAL (Continued)

LOG The Point of Diversion RG 94875 must be completed and the Well Log filed on or before 07/21/2015.

No water shall be diverted from this well except for testing purposes which shall not exceed one hundred and thirty one (131) cumulative days, and well shall be plugged or capped on or before, unless a permit to use water from this well is aquired from the Office of the State Engineer.

ACTION OF STATE ENGINEER

Notice of Intention Rcvd:	Date Rcvd. Corrected:
Formal Application Rcvd: 07/08/2014	Pub. of Notice Ordered:
Date Returned - Correction:	Affidavit of Pub. Filed:

This application is approved provided it is not exercised to the detriment of any others having existing rights, and is not contrary to the conservation of water in New Mexico nor detrimental to the public welfare of the state; and further subject to the specific conditions listed previously.

Witness my hand and seal this 21 day of Jul A.D., 2014

Scott A. Verhines, P.E., State Engineer

By:


Ramona Martinez