



State of New Mexico
AUBREY DUNN, COMMISSIONER OF PUBLIC LANDS
310 Old Santa Fe Trail P.O. Box 1148
Santa Fe, New Mexico 87504-1148

APPLICATION FOR RE-ISSUE OF WATER EASEMENT

Date: April 4, 2018

I Jim Griswold
a resident of Albuquerque State of New Mexico
hereby submit an application for re-issue of Water Easement(s) WM245
under the laws of the State of New Mexico rules and regulations of the State Land Office, for a term of
five years from the date of expiration of the aforementioned water easement(s). I submit herewith a
\$250.00 application fee, together with an estimate of all equipment and facilities placed on the property
in conjunction with the water easement(s) activities and the first year's rental offer of not less then
\$500.00 minimum for (monitoring wells) and **\$1,000.00 minimum for (production wells)** for each
well authorized by the easement(s), or for each water easement being renewed, whichever sum is greater.

A. The land covered by this application for re-issue is contiguous and fully described
as follows:

<u>Location</u>	<u>Well Capacity</u>	<u>Expected Volume of Use</u>
<u>NE/4 SW/4 Sec 36 T17S R35E</u>	<u>N/A</u>	<u>N/A</u>
<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>

B. Attached is a plat showing the location of existing wells, facilities and equipment.

C.1. If the New Mexico State Engineer has designated and assigned file numbers for the water
rights upon which the listed appropriations are based, please list the State Engineers water rights file
number(s). L 13014

C2. If the New Mexico State Engineer has not designated or assigned a file number to these
appropriations, please indicate the first date of appropriation for each diversion listed above, and any
changes in well-site locations, volumes of water produced, or in the purpose or use of the water.

N/A

D. If the water appropriated from this Water Easement is to be used for a different purpose
or in any different location than those approved under your prior Water Easement, please explain
thoroughly how and/or where.

N/A

E. List all new equipment and facilities which are anticipated to be located within the boundaries of the above designated lands in association with the continued operation of this water easement during the term of re-issue applied for herein.

Monitoring wells MW-01, MW-02 and MW-03

F. List any additional information relative to the land applied for, or use of same, not covered by the above statements.

N/A

G. If the water easement is re-issued, I agree to provide an adequate bond to reclaim all surface damages which could result from activities undertaken under this easement.

H. If the water easement is re-issued, I agree to furnish grantor copies of records and such reports and plats of your operations including, but not limited to, well logs, drill cores, and other data relating to geological formations as the grantor may reasonably deem necessary for the administration of trust lands.

I. If the water easement is re-issued, I agree to continue to be bound by my original standard Water Rights Agreement and to re-execute it if necessary.

Cultural Resource Protection:

Please indicate that you (Applicant) have read the **T&E and Cultural Resources Notice to Applicants** and that you understand and agree to abide by the terms and conditions set forth therein.

Yes ☒ No ☐

An Archaeological Survey is strongly recommended. If no survey is provided an Archaeological Records Management Section Inspection (ARMS Inspection) in accordance with NMAC 4.10.15.9 is required. If the ARMS Inspection is not provided by the applicant, the Land Office will provide the ARMS Inspection in the order applications are received.

An Archaeological Survey will be provided or is attached with a cover page labeled:

Confidential Exhibit _____.

Yes ☐ No ☒

An ARMS Inspection is attached with a cover page labeled:

Confidential Exhibit _____.

Yes ☐ No ☒

The Applicant would like the NMSLO to provide the ARMS Inspection:

Yes ☒ No ☐

Shape Files:

Shape Files are required with all applications.

Shape Files for this project are available: Yes ☒ No ☐

If yes, the NMSLO lease analyst will contact you at the email address you provide:

Applicant Shape File Custodian (email contact information): David.Silcock@state.nm.us

I, Jim Griswold, do solemnly swear (or affirm) that the statements and answers to questions in this application are true and correct to the best of my knowledge and belief.

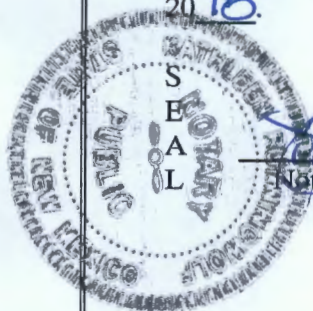
Signed: [Signature]

Address: 1220 S St Francis Drive Santa Fe NM 87505

Phone: (505) 476 3465

STATE OF NEW MEXICO)
COUNTY OF SANTA FE) ss.

SUBSCRIBED AND SWORN to before me this 6th day of April, 2018.



My commission expires 10.03.2019

**When you provide a check as payment, you authorize the State of New Mexico to either use information from your check to make a one-time electronic fund transfer from your account or to process the payment as a check transaction.*

Revised 8/25/2016



Aubrey Dunn, Commissioner of Public Lands
State of New Mexico

T & E AND CULTURAL RESOURCES NOTICE TO APPLICANTS

Prior to approval of any application, all applicants requesting permission to conduct any project or activity on state trust land must acknowledge receipt and acceptance of the following instruction and notification:

Lessees are expected to know and abide by the laws related both to threatened and endangered species, and to the protection of cultural properties.

Threatened and Endangered Species

Plant and animal species may be listed with various state and federal agencies as threatened or endangered. Each agency designation carries specific prohibitions against "take" which may result in distinct regulatory impacts on land use within the range of each species. "Take" is defined and interpreted differently across jurisdictional boundaries. **It is the lessee's obligation to know, understand and abide by the laws related to threatened and endangered species.**

Protection of Cultural Resources

The New Mexico Historic Preservation Division maintains records of all cultural resource surveys through its Archaeological Records Management Section (ARMS). **An ARMS Inspection of Records in compliance with NMAC 4.10.15.9 will be included with all applications.**

To minimize processing delays, **applicants are strongly encouraged to supply an ARMS Inspection with their applications.** If no ARMS Inspection is provided by the applicant, the Land Office will provide the ARMS Inspection in the order applications are received.

NMSA 1978, § 18-6-9(A) states "Any person who knowingly excavates, injures or destroys cultural property located on state land without a permit is guilty of criminal damage to property." Further, NMSA 1978, § 18-6-9(B) states "Any person who solicits, employs or counsels another person to excavate injure or destroy cultural property located on state land without a permit is guilty of criminal damage to property."

Applicants and lessees should always exercise **due caution** to ensure that cultural properties are not inadvertently excavated, injured or destroyed by any person. The State Land Office recommends that a survey be conducted to current standards, as defined by NMAC 4.10.15, prior to any activity in the proposed project area. If a survey is produced in conjunction



Aubrey Dunn, Commissioner of Public Lands
State of New Mexico

with the application, the applicant will design the project so as to avoid any cultural properties found by the survey.

As a condition of this permit and pursuant to NMAC 19.2.10.20, any project or lease activities that reveal or result in discovery of a previously undocumented significant cultural property or archaeological site on state trust land shall result in immediate cessation of activities and **immediate notification of the State Land Office and SHPO**. Activities shall remain suspended until SHPO and the State Land Office approve resumption of activities.

Furthermore, if activity is conducted without the benefit of a survey and any cultural property is damaged in the process, the lessee will be **subject to a fine of no less than \$100,000.00** at the discretion of the Commissioner of Public Lands. The lessee will also be held liable for the cost of an archaeological damage assessment, plus the remediation value of said property as determined by that damage assessment.

For further information, please contact
New Mexico Historic Preservation Division: 505-827-6320; or
New Mexico State Land Office:
 Commercial Resources Division: 505-827-5724
 (Business Leases and Rights of Way)
 Oil & Gas Division: 505-827-5774
 Mineral Leasing Division: 505-827-5750
 Agricultural Leasing: 505-827-5732
 Field Operations Division: 505-827-5856



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State of New Mexico

**New Mexico State Land Office - Instructions for Compliance
Cultural Resources Protection Policy**

Applicants acknowledge receipt and acceptance of the New Mexico State Land Office ("NMSLO") "T & E and Cultural Resources Notice to Applicants" by signing the acknowledgment contained in the application form. "The Notice" is part of the application packet.

Archaeological Surveys

1. Applicants and lessees should always exercise due caution to ensure that cultural properties are not inadvertently excavated, injured or destroyed by any person. To that end, the NMSLO strongly recommends that an archaeological survey be conducted to current standards for the area of potential effect ("APE") in compliance with 4.10.15 NMAC at <http://164.64.110.239/nmac/parts/title04/04.010.0015.htm>.
2. If a survey is produced in conjunction with the application, applicants will be expected to design the project so as to avoid any cultural properties found by the survey. If cultural properties are discovered within the APE, the survey must include avoidance and protection measures.
3. If an archaeological survey is conducted, the applicant should provide the survey with the application, in a sealed envelope marked "Confidential" and attached to the NMSLO Cultural Resources Cover Sheet. If the survey is in progress at the time the application is submitted, a Notification of Intent to Conduct an Archaeological Survey pursuant to 4.10.8.17(C) NMAC <http://164.64.110.239/nmac/parts/title04/04.010.0008.htm> will suffice.
4. Only surveys from permitted archaeological consulting firms will be accepted. The list of permitted firms is available at: <http://www.nmhistoricpreservation.org/documents/archaeological-permits.html>

Scroll down past the headings for "SHPO Directory Forms" and "Permit Applications" to "Consultants Lists." Click on the Word document titled "Cultural Resource Consultants." The list is arranged by county of location. Proximity will be a factor in estimated costs. Because costs vary, the NMSLO encourages you to contact more than one firm.

The consulting firm will ask for supporting documentation. This may include a description of the project along with ArcGIS shape files, CAD drawings, plats, or accurate depictions on USGS 1:24000 quadrangles.

5. The applicant must provide the NMSLO with two copies of the completed survey. If the application is already in process when the survey is completed, the survey with cover sheet should be delivered directly to the NMSLO archaeologist at the address provided below:

David Eck, Trust Land Archaeologist
New Mexico State Land Office
P.O. Box 1148



Aubrey Dunn, Commissioner of Public Lands
State of New Mexico

310 Old Santa Fe Trail
Santa Fe, New Mexico 87504
(505) 827-5857 (voice) deck@slo.state.nm.us
(505) 827-5873 (fax) <http://nmstatelands.org/>

ARMS Review

1. If an archaeological survey is not provided with the application, an Archaeological Records Management Section Inspection (ARMS Inspection) in accordance with 4.10.15.9 NMAC is required. If the applicant is unable to provide an ARMS Inspection, the Land Office will provide the Inspection in the order in which applications are received.
2. Only ARMS Inspections from permitted archaeological consulting firms will be accepted. The list of permitted firms is described above.
3. ARMS Inspections should be provided in a sealed envelope marked "Confidential" and attached to the NMSLO Cultural Resources Cover Sheet with the application.
4. At a minimum, the ARMS Inspection is a records review and should:
 - a. query the New Mexico Cultural Resource Information System ("NMCRIS") database and map server to identify previously recorded sites within 500 meters of the area of potential effect (APE) and previous archaeological surveys within 500 meters of the APE;
 - b. include a copy of the NMCRIS map server map and provide copies of the archaeological site record forms for all cultural properties in the APE;
 - c. review national and state register property files, and provide copies of documents for all such cultural properties that may be directly or indirectly affected by the project;
 - d. examine historic cultural properties inventory (HCPI) forms, and provide copies of documents for any such cultural properties within the APE;
 - e. review other archival sources (General Land Office ("GLO"), county records, state lease records, etc.) and summarize all archival information in tabular form -- sorted by site, activity, property, and register number(s);
 - f. note any previous surveys conducted more than 10 years ago that may be inadequate or insufficient by current standards;
 - g. summarize the findings into one of three results:
 - (A) *The entire area of potential effect or project area has been previously surveyed to current standards and **no cultural properties were found within the survey area.***
 - (B) *The entire area of potential effect or project area has been previously surveyed to current standards and **cultural properties were found within the survey area.***
 - (C) *The entire area of potential effect or project area has **not** been previously surveyed.*
 - h. if the ARMS Inspection result shows the presence of cultural properties within the APE (result B above), devise avoidance and protection measures for the project.



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NMSLO Cultural Resources Cover Sheet
Confidential Exhibit _____.

Exhibit Type (check one):

_____ Archaeological Survey

_____ ARMS Review

_____ Other (describe): _____

NMCRIS Activity No. (if any): _____

Section/Township/Range: _____

Cultural Resources Report/Exhibit Title:

Cultural Resources Consultant:

Project Proponent (Applicant):

Applicant Project Title/Description:

If Archaeological Survey, avoidance and protection measures have been devised.

Yes _____ No _____ N/A _____

If ARMS Inspection, please summarize results:

(A) _____ The entire area of potential effect or project area has been previously surveyed to current standards and **no cultural properties were found** within the survey area.

(B) _____ The entire area of potential effect or project area has been previously surveyed to current standards and **cultural properties were found** within the survey area.

(C) _____ The entire area of potential effect or project area **has not been previously surveyed**.

For agency use only:

NMSLO Lease No.: _____

Lease Analyst: _____

Exhibit Routed to Field Operations Division: _____

Date

WM 245
L 13014

RELP -15



State of New Mexico
COMMISSIONER OF PUBLIC LANDS
310 Old Santa Fe Trail P.O. Box 1148
Santa Fe, New Mexico 87504-1148

APPLICATION FOR WATER EASEMENT

May 09, 20 12

I New Mexico Energy, Minerals, and Natural Resources Department Oil Conservation Division,
a resident of Santa Fe State of New Mexico,
hereby submit an application for Water Easement(s) _____, under the
laws of the State of New Mexico rules and regulations of the State Land Office, for a term of five years
from the date of expiration of the aforementioned water easement(s). I submit herewith a **\$30.00**
application fee and \$145.00 appraisal fee, together with an estimate of all equipment and facilities
placed on the property in conjunction with the water easement(s) activities and the first year's rental
offer of not less than **\$500.00** minimum for (monitoring wells) and **\$1,000.00** minimum for
(production wells) for each well authorized by the easement(s), or for each water easement being
renewed, whichever sum is greater.

A. The land covered by this application for renewal is contiguous and fully
described as follows:

Location NE/4, SW/4, S 36, T17S, R35E Well Capacity N/A Expected Volume of Use N/A

B. Attached is a plat showing the location of existing wells, facilities and equipment.

C.1. If the New Mexico State Engineer has designated and assigned file numbers for the
water rights upon which the listed appropriations are based, please list the State Engineers water rights
file number(s): N/A.

C2. If the New Mexico State Engineer has not designated or assigned a file number to these
appropriations, please indicate the first date of appropriation for each diversion listed above, and any
changes in well-site locations, volumes of water produced, or in the purpose or use of the water.

N/A

D. Please explain the purpose of Water Easement.

Install a maximum of three groundwater monitoring wells to characterize potential impacts to groundwater quality
from nearby crude and/or produced water releases. A maximum of five soil borings will be drilled with intent to
convert three to groundwater monitoring wells.

E. List all equipment and facilities which are anticipated to be located within the boundaries of the above designated lands in association with the continued operation of this water easement during the term of renewal applied for herein:

Two borings will be plugged with a bentonite/cement-bentonite mixture and abandoned. Monitoring wells will be completed above-grade with a sloped 2'x2' concrete pad, a locking metal standpipe, and protective metal bollards.

F. List any additional information relative to the land applied for, or use of same, not covered by the above statements:

Well locations illustrated on plat and supplement are estimates. Locations may change depending on utility locations and investigation findings.

G. If the water easement is granted, I agree to provide adequate bond to reclaim all surface damages, which could result from activities undertaken under this easement.

H. If the water easement is granted, I agree to furnish grantor copies of records and such reports and plats of your operations including, but not limited to well logs, drill cores, and other data relating to geological formations as the grantor may reasonably deem necessary for his administration of the trust lands.

I. If the water easement is granted, I agree to execute a standard Water Rights Agreement.

I, _____, do solemnly swear (or affirm) that the statements and answers to questions in this application are true and correct to the best of my knowledge and belief.

Signed: _____

Address: _____

Phone: (____) _____ - _____

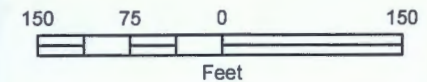
STATE OF _____)
)ss.
COUNTY OF _____)

SUBSCRIBED AND SWORN to before me this _____ day of _____,
20____.

S
E
A
L

Notary

My commission expires _____



Hydraulic Gradient = 0.004 ft/ft

MW-03
3839.48

MW-02
3838.04

MW-01
3838.16

3839.40

3839.00

3838.60

3838.20

Legend



Monitoring Well



Groundwater Elevation
Contour



Estimated Groundwater
Flow Direction, 6/17/2012

Sources:
2011 Aerial – USGS/EDAC

Figure 3
Groundwater Elevations,
June 17, 2012
State VC #1
Lea County, NM

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)			
<div style="display: flex; justify-content: space-between;"> <div> <input type="checkbox"/> NM State Plane (NAD83) (Feet) <input type="checkbox"/> NM West Zone <input type="checkbox"/> NM East Zone <input type="checkbox"/> NM Central Zone </div> <div> <input type="checkbox"/> UTM (NAD83) (Meters) <input type="checkbox"/> Zone 12N <input type="checkbox"/> Zone 13N </div> <div> <input checked="" type="checkbox"/> Lat/Long (WGS84) (to the nearest 1/10th of second) </div> </div>			
Well Number (if known):	X or Easting or Latitude:	Y or Northing or Longitude:	Optional: Complete boxes labeled "Other" below with PLSS (Public Land Survey System, i.e. Quarters, Section, Township, Range); Hydrographic Survey Map & Tract; Lot, Block & Subdivision; OR Land Grant Name if known.
SB-02/MW-01 <i>POD 1</i>	32°47'22.17"	-103°24'59.38"	NEW MEXICO, NM MERIDIAN T17S,R35E,SEC 36 <i>NE 1/4 NW 1/4 SW 1/4</i>
SB-03/MW-02 <i>POD 2</i>	32°47'21.74"	-103°24'59.36"	NEW MEXICO, NM MERIDIAN T17S,R35E,SEC 36 <i>NE 1/4 NW 1/4 SW 1/4</i>
SB-05/MW-03 <i>POD 3</i>	32°47'22.87"	-103°25'4.44"	NEW MEXICO, NM MERIDIAN T17S,R35E,SEC 36 <i>NW 1/4 NW 1/4 SW 1/4</i>
NOTE: If more well locations need to be described, complete form WR-08 (Attachment 1 – POD Descriptions) Additional well descriptions are attached: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, how many _____ Other description relating well to common landmarks, streets, or other: NA			
Well is on land owned by: New Mexico State Land Office			
Well Information: NOTE: If more than one (1) well needs to be described, provide attachment. Attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, how many _____			
Approximate depth of well (feet): 80.00		Outside diameter of well casing (inches): 2.00	
Driller Name: New Mexico Licensed Driller		Driller License Number: TBD	

3. ADDITIONAL STATEMENTS OR EXPLANATIONS

Installation of a maximum of three monitoring wells is proposed to ascertain potential impacts to groundwater quality from documented surface releases of crude and/or produced water from former above-ground storage tanks in Lea County, New Mexico. The locations stated herein are approximate; final locations will be determined upon receipt of investigation results. Monitoring duration will also be determined upon receipt of investigation results. This work is being performed by INTERA—Incorporated under contract to the New Mexico Energy, Minerals, and Natural Resources Department, Oil Conservation Division, who is regulating the site and providing funding for the investigation.

STATE ENGINEER OFFICE
 ROSWELL, NEW MEXICO
 2012 MAY 18 10:37

FOR OSE INTERNAL USE

Application for Permit, Form wr-07

File Number: *L-13014*

Trn Number: *504360*