

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT**SUNDRY NOTICES AND REPORTS ON WELLS**  
**Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.**FORM APPROVED  
OMB NO. 1004-0135  
Expires: July 31, 2010

5. Lease Serial No. NMNM29234 DEC - 2 2009

6. If Indian, Allottee or Tribe Name NMCD ARTESIA

**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

7. If Unit or CA/Agreement, Name and/or No.

## 1. Type of Well

☐ Oil Well ☐ Gas Well ☒ Other: INJECTION8. Well Name and No.  
LITTLEFIELD FED 1

## 2. Name of Operator

CHESAPEAKE OPERATING, INC.

Contact LINDA GOOD

E-Mail: linda.good@chk.com

9. API Well No.  
30-015-10259-00-S1

## 3a. Address

OKLAHOMA CITY, OK 73154-0496

## 3b. Phone No. (include area code)

Ph: 405-935-4275

10. Field and Pool, or Exploratory  
DELAWARE

## 4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 11 T24S R31E NWNE 660FNL 1980FEL

## 11. County or Parish, and State

EDDY COUNTY, NM

## 12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Production Facility
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	Changes

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Chesapeake, respectfully, requests permission to changed the battery. Attached is a drawing on the above mentioned well. The battery on the east side is what is existing and we need to add 60' to the south end of the location making the location 330? x 225?. We have to move the existing battery to do a clean-up per the OCD.

(CHK PN 890467)

14. I hereby certify that the foregoing is true and correct.	
Electronic Submission #76511 verified by the BLM Well Information System For CHESAPEAKE OPERATING, INC., sent to the Carlsbad Committed to AFMSS for processing by CHERYLE RYAN on 10/30/2009 (10CMR0048SE)	
Name (Printed/Typed) LINDA GOOD	Title SR. REGULATORY COMPLIANCE SPEC
Signature (Electronic Submission)	Date 10/30/2009

## THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By JAMES A AMOS	Title ACTING FIELD MANAGER	Date 11/24/2009
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.		Office Carlsbad

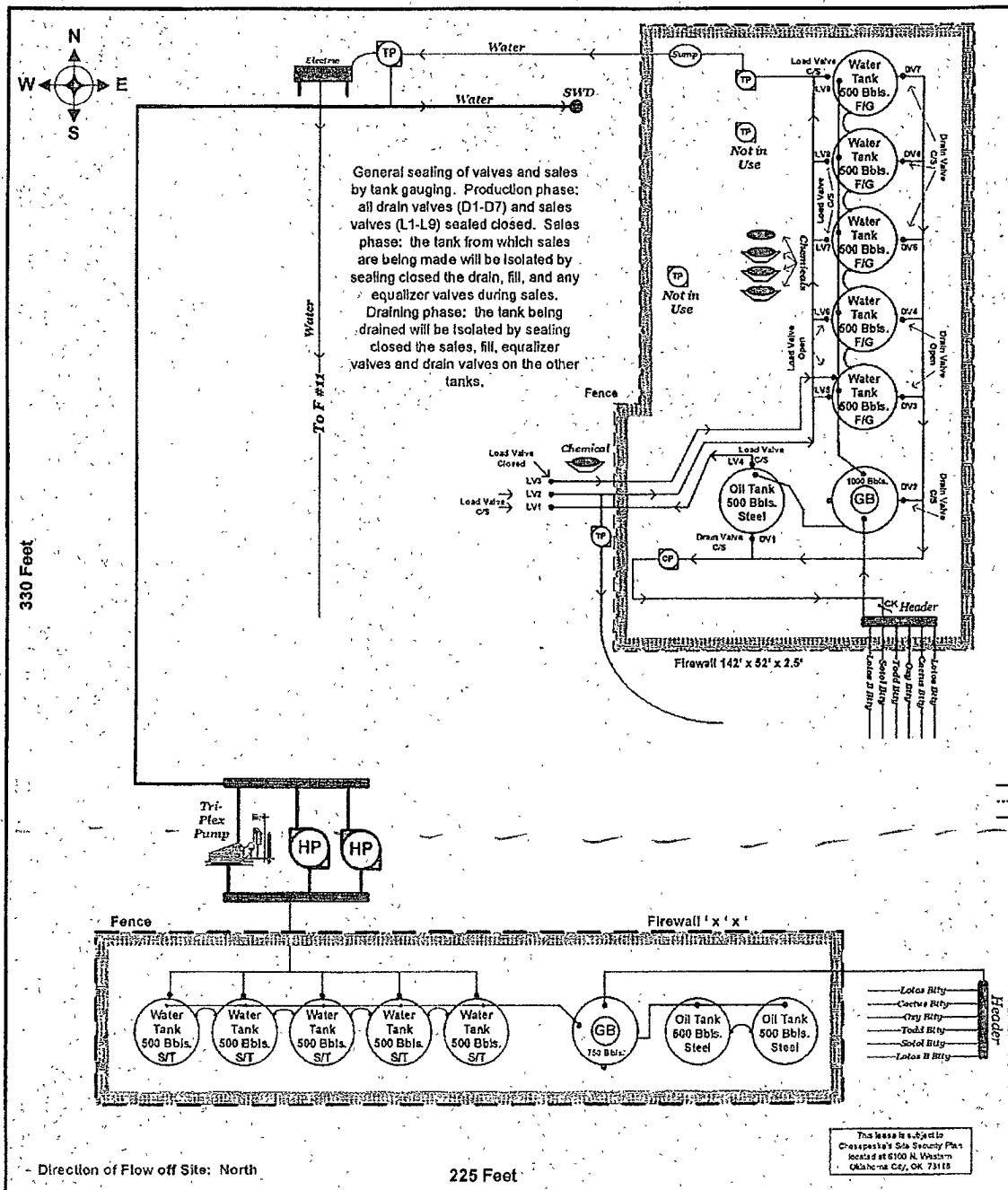
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**\*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\***

**CHESAPEAKE OPERATING, INC.**

CHK Name & Number: LITTLEFIELD FEDERAL SWD 1  
API number: 30-015-10259 890467  
County: EDDY  
State: NM  
Field: DELAWARE  
Qtr Qtr Calls: NW NE  
Sec/Twnshp/Rng: 11-24S-31E  
Number of Acres: 40

Regulatory Agency: BLM  
Lease Sign Type: FEDERAL  
CA#: 100% BLM LEASE  
APD Lease #: NMNM 29234  
Federal/Indian: FEDERAL  
Last Violation: UNKNOWN  
District: PERMIAN  
Field Office: Hobbs



Prepared by: Jackie Reynolds  
Date: 8/29/2008

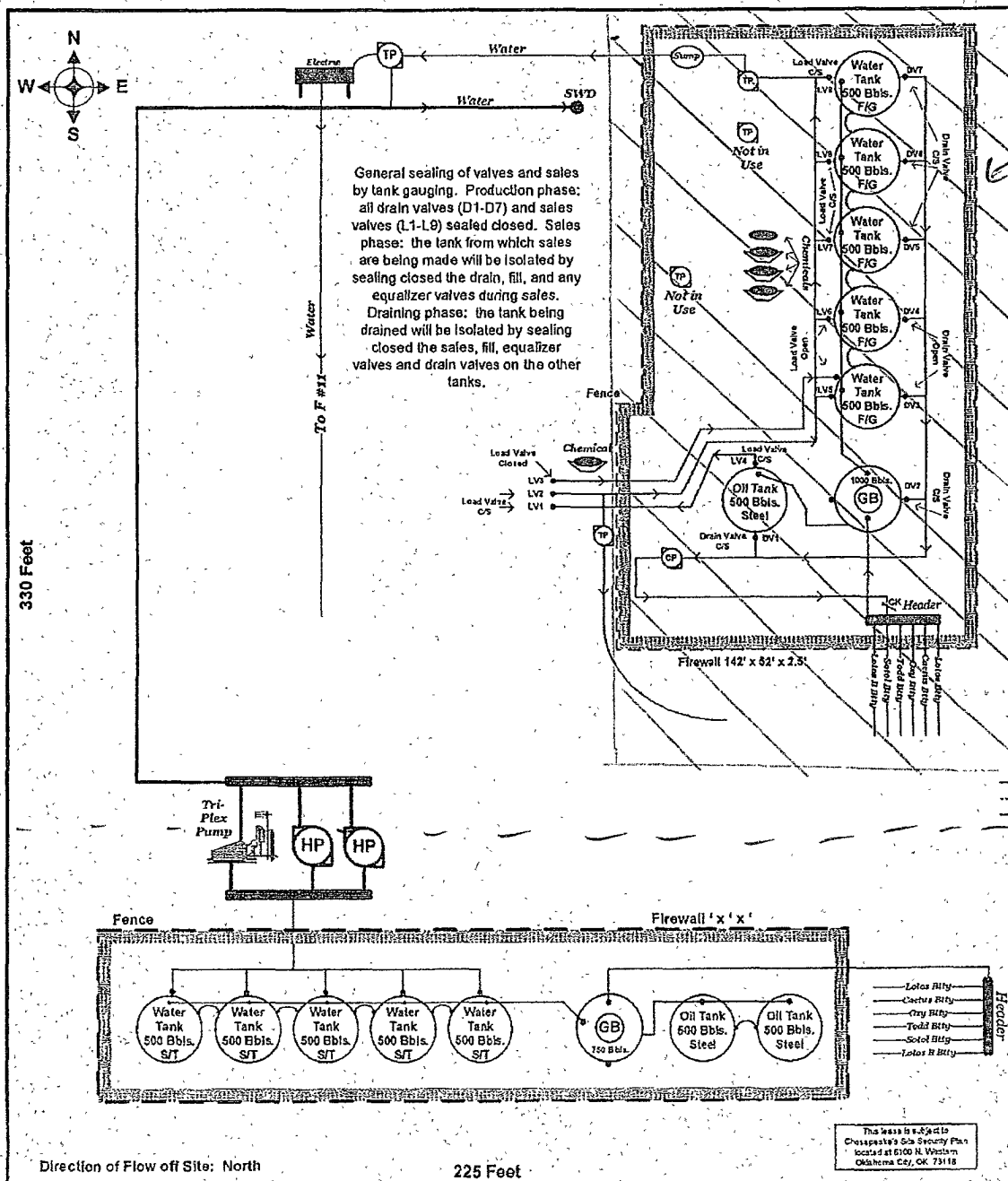
Updated: 10/28/2008

This lease is subject to  
Chesapeake's Site Security Plan  
located at 6100 N. Western  
Oklahoma City, OK 73118

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— Area  
that will  
be  
reclaimed  
with  
topsoil  
+  
reseeding.

TEN  
11/12/09

TEN  
11/2/09

440

Prepared by: Jackie Reynolds  
Date: 8/29/2008

Updated: 10/28/2009

This lease is subject to  
Chesapeake's Safe Security Plan  
located at 6100 N. Western  
Oklahoma City, OK 73118

## PECOS DISTRICT CONDITIONS OF APPROVAL

OPERATOR'S NAME:	Chesapeake Operating, Inc.
LEASE NO.:	NMNM29234
WELL NAME & NO.:	Littlefield Federal SWD #1
SURFACE HOLE FOOTAGE:	660' FNL & 1980' FEL
BOTTOM HOLE FOOTAGE:	Same
LOCATION:	Section 11, T. 24 S., R 31 E., NMPM
COUNTY:	Eddy County, New Mexico

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Standard Conditions of Approval (COA) apply to this Sundry Notice. If any deviations to these standards exist or special COAs are required, the section with the deviation or requirement will be checked below.

- ☐ **General Provisions**
- ☐ **Archaeology, Paleontology, and Historical Sites**
- ☐ **Noxious Weeds**
- ☒ **Special Requirements**
  - Lesser Prairie-Chicken
  - Removal of Trash
  - Vehicular Deterrence Structures
- ☒ **Construction**
  - Notification
  - Topsoil
  - Federal Mineral Material Pits
  - Well Pads
- ☐ **Production (Post Drilling)**
  - Well Structures & Facilities
- ☒ **Interim Reclamation/Reseeding Procedure**
- ☐ **Final Abandonment/Reclamation**

## **I. GENERAL PROVISIONS**

The approval of the Sundry Notice is in compliance with all applicable laws and regulations: 43 Code of Federal Regulations 3160, the lease terms, Onshore Oil and Gas Orders, Notices To Lessees, New Mexico Oil Conservation Division (NMOCD) Rules, National Historical Preservation Act As Amended, and instructions and orders of the Authorized Officer. Any request for a variance shall be submitted to the Authorized Officer on Form 3160-5, Sundry Notices and Report on Wells.

## **II. ARCHAEOLOGICAL, PALEONTOLOGY & HISTORICAL SITES**

Any cultural and/or paleontological resource discovered by the operator or by any person working on the operator's behalf shall immediately report such findings to the Authorized Officer. The operator is fully accountable for the actions of their contractors and subcontractors. The operator shall suspend all operations in the immediate area of such discovery until written authorization to proceed is issued by the Authorized Officer. An evaluation of the discovery shall be made by the Authorized Officer to determine the appropriate actions that shall be required to prevent the loss of significant cultural or scientific values of the discovery. The operator shall be held responsible for the cost of the proper mitigation measures that the Authorized Officer assesses after consultation with the operator on the evaluation and decisions of the discovery. Any unauthorized collection or disturbance of cultural or paleontological resources may result in a shutdown order by the Authorized Officer.

## **III. NOXIOUS WEEDS**

The operator shall be held responsible if noxious weeds become established within the areas of operations. Weed control shall be required on the disturbed land where noxious weeds exist, which includes the roads, pads, associated pipeline corridor, and adjacent land affected by the establishment of weeds due to this action. The operator shall consult with the Authorized Officer for acceptable weed control methods, which include following EPA and BLM requirements and policies.

#### **IV. SPECIAL REQUIREMENT(S)**

##### **Timing Limitation Stipulation/Condition of Approval for Lesser Prairie-Chicken:**

Oil and gas activities including 3-D geophysical exploration, and drilling will not be allowed in lesser prairie-chicken habitat during the period from March 1st through June 15th annually. During that period, other activities that produce noise or involve human activity, such as the maintenance of oil and gas facilities, geophysical exploration other than 3-D operations, and pipeline, road, and well pad construction, will be allowed except between 3:00 am and 9:00 am. The 3:00 am to 9:00 am restriction will not apply to normal, around-the-clock operations, such as venting, flaring, or pumping, which do not require a human presence during this period. Additionally, no new drilling will be allowed within up to 200 meters of leks known at the time of permitting. Normal vehicle use on existing roads will not be restricted. Exhaust noise from pump jack engines must be muffled or otherwise controlled so as not to exceed 75 db measured at 30 ft. from the source of the noise.

##### **Removal of Trash:**

All trash on and around the well location shall be discarded appropriately before any construction can begin. All items such as barbed wire, scrap metal, cloth and any other trash item not in use shall be discarded. No trash shall reside on the well location as well as the reclaimed area after construction is complete.

##### **Deterrence Structures:**

Deterrence structures shall be installed or constructed to prevent vehicle traffic on the reclaiming area where the tank battery was previously located. Fencing and/or ditch and berm could be used to deter vehicular traffic. The Environmental Protection Specialist will determine what will be appropriate and adequate for a deterrence structure at the time reclamation has commenced. Notify Jim Amos (575) 234-5909 or any other Environmental Protection Specialist in the Carlsbad Field Office at (575)234-5972 at least 3 working days prior to commencing reclamation of the original tank battery area.

## **V. CONSTRUCTION**

### **A. NOTIFICATION**

The BLM shall administer compliance and monitor reclamation of the well pad where the original tank battery was previously located. Notify Jim Amos (575) 234-5909 or any other Environmental Protection Specialist in the Carlsbad Field Office at (575) 234-5972 at least 3 working days prior to commencing reclamation of the original tank battery area.

When construction operations are being conducted on this well expansion, the operator shall have the approved Sundry Notice and Conditions of Approval (COA) on the well site and they shall be made available upon request by the Authorized Officer.

### **B. TOPSOIL**

The operator shall stockpile the topsoil from the well pad expansion in an appropriate place before it is placed upon the original tank battery area.

### **C. FEDERAL MINERAL MATERIALS PIT**

If the operator elects to surface the expanded well pad, mineral materials underneath the original tank battery area shall not be used to surface the expanded well pad or other facilities on the lease.

Payment shall be made to the BLM prior to removal of any additional federal mineral materials from any area on federal surface and/or federal minerals. Call the Carlsbad Field Office at (575) 234-5972.

### **D. WELL PAD SURFACING**

Surfacing of the expanded well pad is not required.

If the operator elects to surface the well pad, the surfacing material may be required to be removed at the time of reclamation.

The well pad shall be constructed in a manner which creates the smallest possible surface disturbance, consistent with safety and operational needs.

## **VI. PRODUCTION (POST DRILLING)**

### **A. WELL STRUCTURES & FACILITIES**

#### **Placement of Production Facilities**

Production facilities should be placed on the well pad to allow for maximum interim recontouring and revegetation of the well location.

#### **Containment Structures**

The containment structure shall be constructed to hold the capacity of the entire contents of the largest tank, plus 24 hour production, unless more stringent protective requirements are deemed necessary by the Authorized Officer.

#### **Painting Requirement**

All above-ground structures on the Littlefield Federal SWD #1 well location including meter housing that are not subject to safety requirements on the well location shall be painted a flat non-reflective paint color Shale Green, Munsell Soil Color Chart # 5Y 4/2



## **VII. INTERIM RECLAMATION & RESEEDING PROCEDURE**

### **A. INTERIM RECLAMATION**

During the life of the development, all disturbed areas not needed for active support of production operations should undergo interim reclamation in order to minimize the environmental impacts of development on other resources and uses.

The area where the tank battery was previously located will be reclaimed. All caliche that was underneath the original tank battery will be removed. The topsoil from the expanded area shall be placed upon the original tank battery area and reseeded.

Operators should work with BLM surface management specialists to devise the best strategies to reduce the size of the location. Any reductions should allow for remedial well operations, as well as safe and efficient removal of oil and gas.

During reclamation, the removal of caliche is important to increasing the success of revegetating the site. In order to operate the well or complete workover operations, it may be necessary to drive, park and operate on restored interim vegetation within the previously disturbed area. Disturbing revegetated areas for production or workover operations will be allowed. If there is significant disturbance and loss of vegetation, the area will need to be revegetated. Communicate with the appropriate BLM office for any exceptions/exemptions if needed.

### **B. RESEEDING PROCEDURE**

Once the old tank battery, caliche underneath the old tank battery and all the trash around the well location has been removed, reseed the location and all surrounding disturbed areas as follows:

### Seed Mixture for LPC Sand/Shinnery Sites

The holder shall seed all disturbed areas with the seed mixture listed below. The seed mixture shall be planted in the amounts specified in pounds of pure live seed (PLS)\* per acre. There shall be no primary or secondary noxious weeds in the seed mixture. Seed will be tested and the viability testing of seed will be done in accordance with State law(s) and within nine (9) months prior to purchase. Commercial seed will be either certified or registered seed. The seed container will be tagged in accordance with State law(s) and available for inspection by the authorized officer.

Seed will be planted using a drill equipped with a depth regulator to ensure proper depth of planting where drilling is possible. The seed mixture will be evenly and uniformly planted over the disturbed area (smaller/heavier seeds have a tendency to drop the bottom of the drill and are planted first). The holder shall take appropriate measures to ensure this does not occur. Where drilling is not possible, seed will be broadcast and the area shall be raked or chained to cover the seed. When broadcasting the seed, the pounds per acre are to be doubled. The seeding will be repeated until a satisfactory stand is established as determined by the authorized officer. Evaluation of growth will not be made before completion of at least one full growing season after seeding.

Species to be planted in pounds of pure live seed\* per acre:

<u>Species</u>	<u>lb/acre</u>
Plains Bristlegrass	5lbs/A
Sand Bluestem	5lbs/A
Little Bluestem	3lbs/A
Big Bluestem	6lbs/A
Plains Coreopsis	2lbs/A
Sand Dropseed	1lbs/A

\*\*Four-winged Saltbush 5lbs/A

\* This can be used around well pads and other areas where caliche cannot be removed.

\*Pounds of pure live seed:

Pounds of seed x percent purity x percent germination = pounds pure live seed

## **X. FINAL ABANDONMENT & REHABILITATION REQUIREMENTS**

Upon abandonment of the well and/or when the tank battery is no longer in service the Authorized Officer shall issue instructions and/or orders for surface reclamation and restoration of all disturbed areas.

On private surface/federal mineral estate land the reclamation procedures on the road and well pad shall be accomplished in accordance with the private surface land owner agreement.