

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**NMOCD**  
**Artesia**

FORM APPROVED  
OMB NO. 1004-0135  
Expires: July 31, 2010

**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.*

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

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NMNM61349
2. Name of Operator RKI EXPLORATION & PROD LLC		6. If Indian, Allottee or Tribe Name
Contact: ASHLEE FECHINO E-Mail: ashlee.fechino@wpenergy.com		7. If Unit or CA/Agreement, Name and/or No.
3a. Address 3500 ONE WILLIAMS CENTER MD 35 TULSA, OK 74172	3b. Phone No. (include area code) Ph: 970.404.5031	8. Well Name and No. LONGVIEW DEEP FEDERAL 31 31
4. Location of Well (Footage, Sec., T., R., AL, or Survey Description) Sec 31 T22S R29E NWSW 1980FSL 990FWL 32.205063 N Lat, 104.014345 W Lon		9. API Well No. 30-015-37604-00-S1
		10. Field and Pool, or Exploratory UNDESIGNATED WOLFCAMP
		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 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 checked="" 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 checked="" type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

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 recomple 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 recomple 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.)

OBJECTIVE: Plug back lower formation

**PROCEDURE**

Spot equipment; MIRU  
Blow down casing. If necessary pump water down casing to kill well.  
TOOH with tbg and packer.  
RIH and retrieve RBP at 10,573?  
RIH with drill collars and bit and drill out 3 CIBP with cement on top  
First CIBP: 10,589?  
Second CIBP: 10,905?  
Third CIBP: 11,250?  
TOOH with drill collars and bit

**SEE ATTACHED FOR  
CONDITIONS OF APPROVAL**

**NM OIL CONSERVATION**  
ARTESIA DISTRICT

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

**Electronic Submission #346400 verified by the BLM Well Information System**  
For RKI EXPLORATION & PROD LLC, sent to the Carlsbad  
Committed to AFMSS for processing by JENNEER SANCHEZ on 08/08/2016 (16/AS1663SE)

Name (Printed/Typed) ASHLEE FECHINO

Title REGULATORY SPECIALIST STAFF

Signature (Electronic Submission)

Date 08/01/2016

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved By

Title

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

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 \*\***

**Additional data for EC transaction #346400 that would not fit on the form**

**32. Additional remarks, continued**

RIH with wireline and tag plug at 12,400?

RIH with tubing and set a 225? cement plug on top of CIBP

TOOH with tubing

RIH with wireline and tag top of plug at 12,175?

RIH with wireline and set CIBP at 11,850?

RIH with dump bailer and dump bail 35? of cement on top of CIBP

RIH with wireline and tag plug at 11,815?

RIH with tubing and set a ~400? cement plug covering 50? below shoe and 50? above liner top

(11,293?-11,684?)

TOOH and wait for cement to set

RIH with wireline and tag top of cement plug at 11,293? to ensure plug is placed properly

RIH with wireline and set CIBP at 10,805?

RIH with dump bailer and dump bail 35? of cement on top of CIBP

RIH with wireline and tag plug at 10,570?

RIH with production tubing assembly

RDMO

Turn well back to production

Procedure WBD and current WBD attached

# RKI Exploration and Production, LLC

Longview 31-31  
Section 31 T22S R29E  
Eddy County, New Mexico  
API No. 30-015-37604

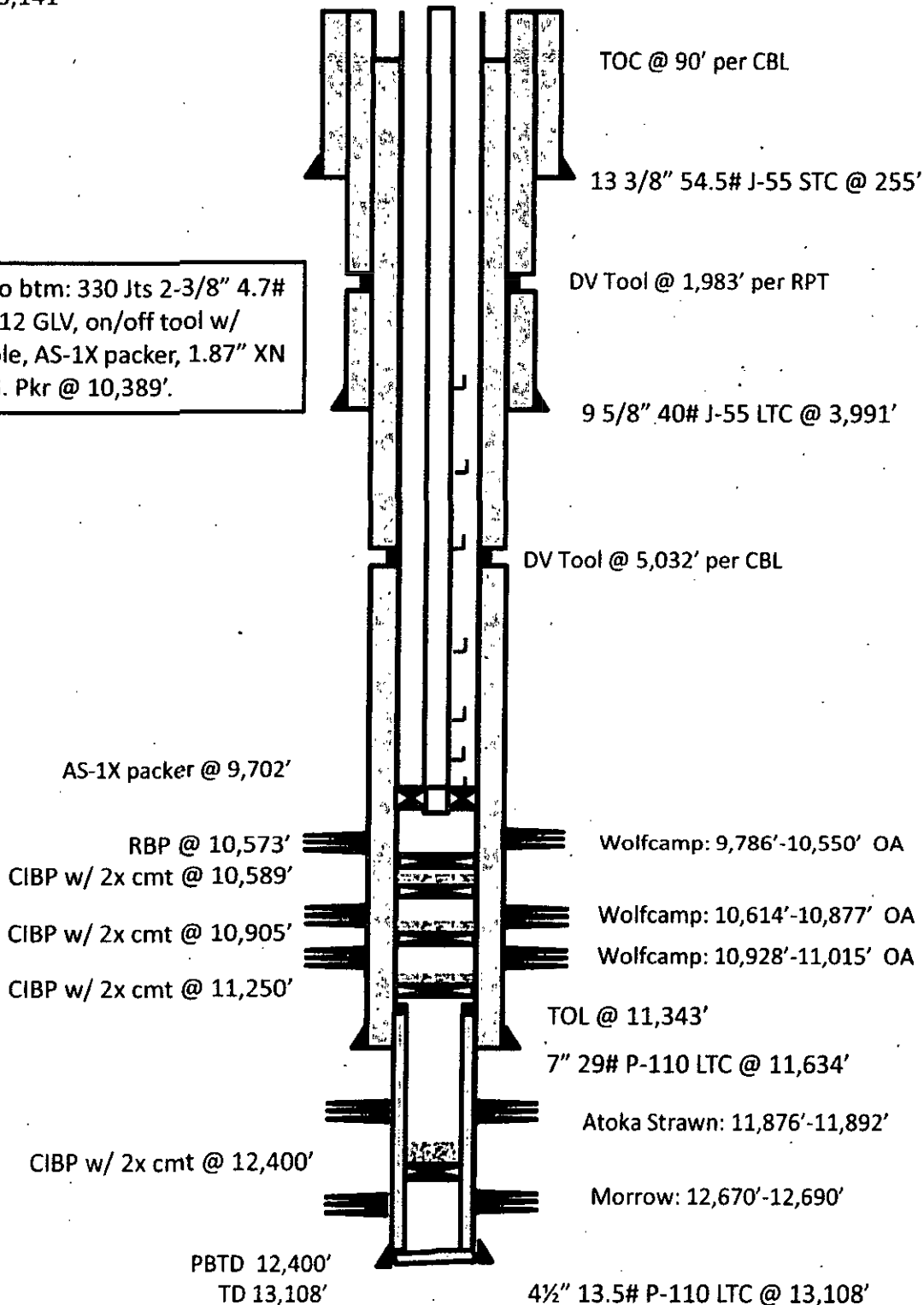
**CURRENT**

7/19/16; BMB

KB - 3,166'

GL - 3,141'

Tubing top to btm: 330 Jts 2-3/8" 4.7#  
P-110 tbg + 12 GLV, on/off tool w/  
1.87" X nipple, AS-1X packer, 1.87" XN  
nipple, WEG. Pkr @ 10,389'.



# RKI Exploration and Production, LLC

Longview 31-31

Section 31 T22S R29E

Eddy County, New Mexico

API No. 30-015-37604

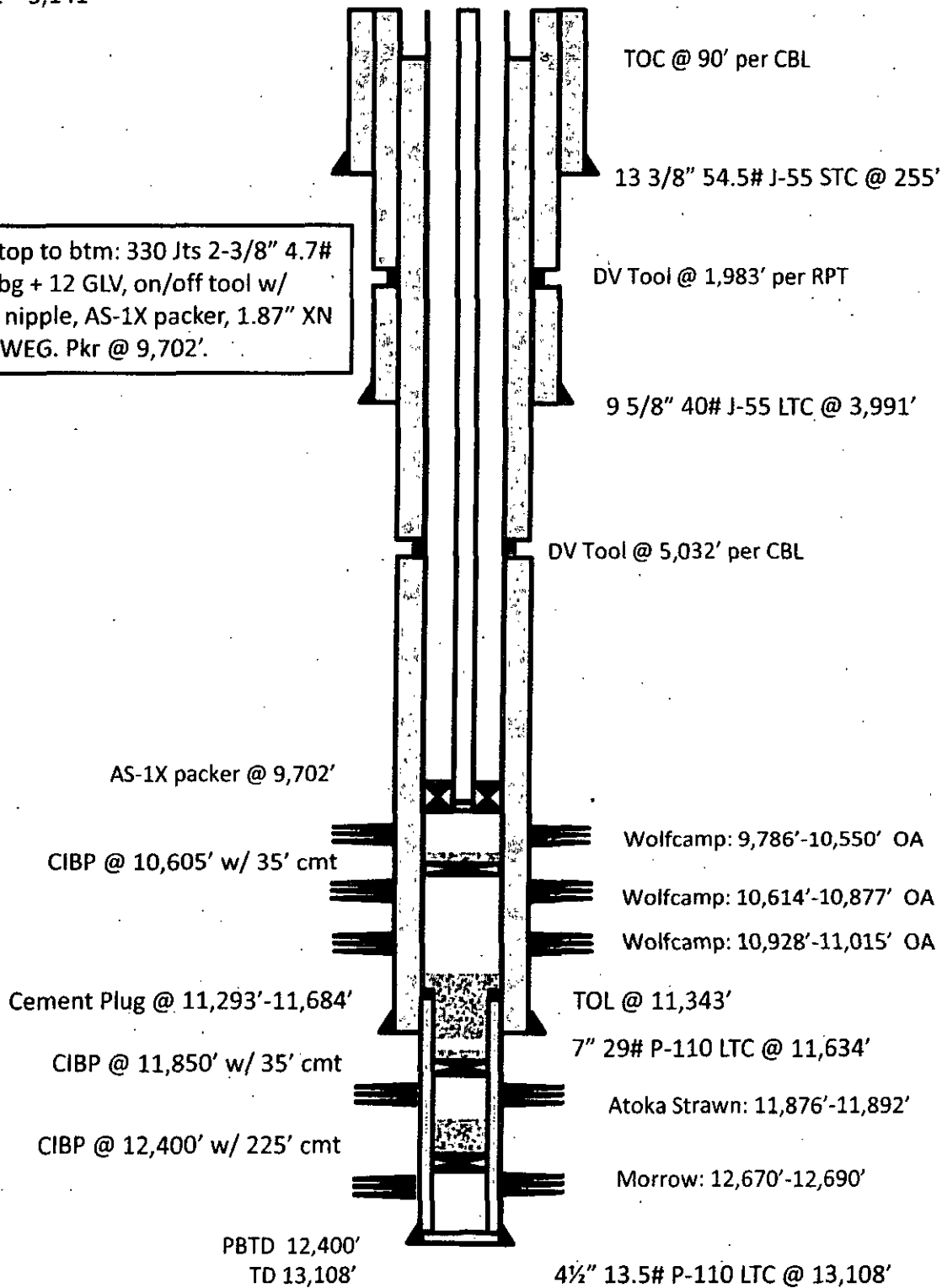
**PROPOSED**

KB - 3,166'

GL - 3,141'

7/28/16; BMB

Tubing top to btm: 330 Jts 2-3/8" 4.7#  
P-110 tbg + 12 GLV, on/off tool w/  
1.87" X nipple, AS-1X packer, 1.87" XN  
nipple, WEG. Pkr @ 9,702'.



## Plug Back Workover Procedure

**Well:** Longview Deep Federal 31-31

**Location:** Eddy, NM

**Date:** July 28, 2016

**Objective:** Plug Back Lower Formation

### EH&S Notes:

- ✓ Personnel Safety is the number one job, no exceptions.
- ✓ Please follow appropriate WPX Energy contractor protocols for this job plan. (Please see your WPX Energy Business Representative if you have any questions; Contractor protocols can be found in the WPX Energy Contractor Guide.)
- ✓ Continuous personal H2S monitoring is required. Any H2S alarms or other indications above 10ppm will require work to stop and the situation to be evaluated
- ✓ A Safety meeting shall be held each morning before work and subsequent "tailgate" safety meetings are to be held during the day when operation objectives shift in nature and intent. Please ensure these are documented per the WPX Contractor Guide.

### Prior to Job:

- Schedule Workover Rig
- Test anchors if not done so recently
- Verify location is ok for rig operations
- Ensure all flowlines on surface are clear and lease operator has installed proper tags

**Current Wellbore Status:** Vertical Completion in Wolfcamp with Morrow, Strawn and additional Wolfcamp intervals isolated below.

### Procedure:

- Spot equipment; MIRU
- Blow down casing. If necessary pump water down casing to kill well.
- TOOH with tbg and packer.
- RIH and retrieve RBP at 10,573'
- RIH with drill collars and bit and drill out 3 CIBP with cement on top
  - First CIBP: 10,589'
  - Second CIBP: 10,905'
  - Third CIBP: 11,250'
- TOOH with drill collars and bit
- RIH with wireline and tag plug at 12,400'
- RIH with tubing and set a 225' cement plug on top of CIBP
- TOOH with tubing
- RIH with wireline and tag top of plug at 12,175'

- RIH with wireline and set CIBP at ~~11,830'~~ *11,826' (50'-100' above top most part)*
- RIH with dump bailer and dump bail 35' of cement on top of CIBP
- RIH with wireline and tag plug at ~~11,815'~~
- RIH with tubing and set a ~400' cement plug covering 50' below shoe and 50' above liner top (11,293'-11,684')
- TOOH and wait for cement to set
- RIH with wireline and tag top of cement plug at 11,293' to ensure plug is placed properly
- RIH with wireline and set CIBP at ~~10,605'~~ *10,564' (50'-100' above top most part)*
- RIH with dump bailer and dump bail 35' of cement on top of CIBP
- RIH with wireline and tag plug at ~~10,570'~~
- RIH with production tubing assembly
- RDMO
- Turn well back to production

**Longview Deep Federal 31 31**  
**30-015-37604**  
**RKI Exploration & Production LLC**  
**August 08, 2016**  
**Conditions of Approval**

**Work to be completed by November 08, 2016.**

**Notify BLM at 575-361-2822 a minimum of 24 hours prior to commencing work.**

- 1. Operator shall drill out CIBPs as written.**
- 2. Operator shall tag cement at 12,400'. Operator shall set solid Class H Cement plug from 12,400'-12,175' to seal the top of the Morrow.**
- 3. Operator shall set CIBP at 11,826' with 35' Class H cement on top. WOC and TAG.**
- 4. Operator shall set soil Class H cement plug from 11,684'-11,293' to ensure a plug across the shoe and liner top. WOC and TAG.**
- 5. Operator shall set CIBP at 10,654' with 35' Class H cement on top. WOC and TAG.**
- 6. Must conduct a casing integrity test before perforating and fracturing. Submit results to BLM. The CIT is to be performed on the production casing to max treating pressure. Notify BLM if test fails.**
- 7. Before casing or a liner is added or replaced, prior BLM approval of the design is required. Use notice of intent Form 3160-5.**
- 8. Surface disturbance beyond the originally approved pad must have prior approval.**
- 9. Closed loop system required.**
- 10. All waste (i.e. drilling fluids, trash, salts, chemicals, sewage, gray water, etc.) created as a result of work over operations shall be safely contained and disposed of properly at a waste disposal facility. No waste material or fluid shall be disposed of on the well location or surrounding area. Porto-johns and trash containers will be on-location during fracturing operations or any other crew-intensive operations.**

11. Operator to have H2S monitoring equipment on location.
12. A minimum of a **5000 (5M)** BOP to be used. All blowout preventer (BOP) and related equipment (BOPE) shall comply with reasonable well control requirements. A two ram system with a blind ram and a pipe ram designed for the size of the work string shall be adequate. Tapered work strings will require an additional pipe ram. The manifold shall comply with Onshore Oil and Gas Order #2 Attachment I (5M Diagrams of Choke Manifold Equipment). The accumulator system shall have an immediately available power source to close the rams and retain 200 psi above pre-charge. The pre-charge test shall follow requirements in Onshore Order #2.
13. **Subsequent sundry required detailing work done and completion report for the new formation. Operator to include well bore schematic of current well condition when work is complete.**
14. See attached for general requirements.

**JAM 080816**



**BUREAU OF LAND MANAGEMENT**  
**Carlsbad Field Office**  
**620 East Greene Street**  
**Carlsbad, New Mexico 88220**  
**575-234-5972**

**Permanent Abandonment of Production Zone Conditions of Approval**

Failure to comply with the following Conditions of Approval may result in a Notice of Incidents of Noncompliance (INC) in accordance with 43 CFR 3163.1.

1. Plugging operations shall commence within ninety (90) days from this approval.

**If you are unable to plug back the well by the 90<sup>th</sup> day provide this office, prior to the 90<sup>th</sup> day, with the reason for not meeting the deadline and a date when we can expect the well to be plugged back. Failure to do so will result in enforcement action.**

2. **Notification:** Contact the appropriate BLM office at least 24 hours prior to the commencing of any plug back operations. For wells in Eddy County, call 575-361-2822. For wells in Lea County, call 575-393-3612

3. **Blowout Preventers:** A blowout preventer (BOP), as appropriate, shall be installed before commencing any plugging operation. The BOP must be installed and maintained as per API and manufacturer recommendations. The minimum BOP requirement is a 2M system for a well not deeper than 9,090 feet; a 3M system for a well not deeper than 13,636 feet; and a 5M system for a well not deeper than 22,727 feet.

4. **Mud Requirement:** Mud shall be placed between all plugs. Minimum consistency of plugging mud shall be obtained by mixing at the rate of 25 sacks (50 pounds each) of gel per 100 barrels of brine water. Minimum nine (9) pounds per gallon.

5. **Cement Requirement:** Sufficient cement shall be used to bring any required plug to the specified depth and length. Any given cement volumes on the proposed plugging procedure are merely estimates and are not final. Unless specific approval is received, no plug except the surface plug shall be less than 25 sacks of cement. Any plug that requires a tag will have a minimum WOC time of 4 hours.

In lieu of a cement plug across perforations in a cased hole (not for any other plugs), a bridge plug set within 50 feet to 100 feet above the perforations shall be capped with 25 sacks of cement. If a bailer is used to cap this plug, 35 feet of cement shall be sufficient. **Before pumping or bailing cement on top of CIBP, tag will be required to verify depth.**

Unless otherwise specified in the approved procedure, the cement plug shall consist of either **Neat Class "C"**, for up to 7,500 feet of depth or **Neat Class "H"**, for deeper than 7,500 feet plugs.

6. **Subsequent Plug back Reporting:** Within 30 days after plug back work is completed, file one original and three copies of the Subsequent Report, Form 3160-5 to BLM. The report should give in detail the manner in which the plug back work was carried out, the extent (by depths) of cement plugs placed, and the size and location (by depths) of casing left in the well. **Show date work was completed.**

7. Trash: All trash, junk and other waste material shall be contained in trash cages or bins to prevent scattering and will be removed and deposited in an approved sanitary landfill. Burial on site is not permitted.