

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

OCD 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.*

5. Lease Serial No.  
NMLC028784C

6. If Indian, Allottee or Tribe Name

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

7. If Unit or CA/Agreement, Name and/or No.  
NMNM88525X

1. Type of Well  
 Oil Well  Gas Well  Other

8. Well Name and No.  
BURCH KEELY UNIT 636

2. Name of Operator  
COG OPERATING LLC  
Contact: KANICIA CASTILLO  
E-Mail: kcastillo@concho.com

9. API Well No.  
30-015-38558-00-S1

3a. Address  
ONE CONCHO CENTER 600 W ILLINOIS AVENUE  
MIDLAND, TX 79701

3b. Phone No. (include area code)  
Ph: 432-685-4332

10. Field and Pool, or Exploratory  
BURCH KEELY-GLORIETA-UPPER YE

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
Sec 24 T17S R29E SWSE 10FSL 2299FEL

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 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 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.)

COG Operating LLC, respectfully requests to recomplete as follows:

We are going to set a CIBP at 4200' (50' above the Paddock perms) w/ 40' of CMT on top of the plug to have our PBDT @ 4160'. We plan to have our bottom perms from 3700' - 3900'. Ideally, we like to have as much rathole below our bottom perms as possible to give our bottomhole assembly room and prevent tubing from getting stuck with sand. In addition to having desired rathole space, this gives COG the option to re-enter the Paddock at later time.

Rod Pull Procedure  
? MIRU WSU, NU BOP  
? Unseat Pump and POOH with rods  
? PU scrapper and RIH to 4262?

**NM OIL CONSERVATION**  
ARTESIA DISTRICT

SEE ATTACHED FOR  
CONDITIONS OF APPROVAL  
RECEIVED  
JUN 22 2015

Accepted for record

*[Signature]* NMOCD 6/23/15

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

Electronic Submission #305198 verified by the BLM Well Information System

For COG OPERATING LLC, sent to the Carlsbad

Committed to AFMSS for processing by JENNIFER SANCHEZ on 06/17/2015 (15JAS0401SE)

Name (Printed/Typed) KANICIA CASTILLO

Title PREPARER

Signature (Electronic Submission)

Date 06/16/2015

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By

Title

Date

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.

## Additional data for EC transaction #305198 that would not fit on the form

### 32. Additional remarks, continued

- ? RU Wireline
- ? Set CIBP @ 4200?
- ? Wireline truck dump 40? Class C cement of top of CIBP
- ? Tag cement plug to verify depth of 4160?
- ? Pull up 4? to circulate hole clean with fresh water, and displace w/ 2% KCL and 1% packer corrosion inhibitor.
- ? Test Casing to 1000 psi and report back to engineering if the pressure holds.
- ? Secure wellbore
- ? RDMO WSU

#### Tentative Recompletion Procedure

- ? NU frac valve, and test casing to 4200 psi
- ? Rig up wireline.
- ? RIH w/ perforating guns and perforate San Andres Zone from 3600' to 3900' w/ 3 spf, 60? phasing, 54 holes.
- ? Acidize w/ 1500 gals of 15% HCl.
- ? Frac zone w/ 181,250 # of sand.
- ? Record ISIP and FG, Get 5, 10, 15 min SIP
- ? Rig up Wireline
- ? RIH w/ WL and set Composite Plug @ 3550?
- ? Perforate San Andres Zone from 3260' - 3520' w/ 3 spf, 60? phasing, 54 holes.
- ? Acidize w/ 1500 gals of 15% HCl.
- ? Frac zone w/ 181,250 # of sand.
- ? Record ISIP and FG, Get 5, 10, 15 min SIP
- ? Rig up Wireline
- ? RIH w/ WL and set Composite Plug @ 3200?
- ? Perforate San Andres Zone from 2810' - 3010' w/ 3 spf, 60? phasing, 54 holes.
- ? Acidize w/ 1500 gals of 15% HCl.
- ? Frac zone w/ 181,250 # of sand.
- ? Record ISIP and FG, Get 5, 10, 15 min SIP
- ? RIH with Production tbg and drill Composite plugs @ 3200? and 3550?
- ? Clean out fill to new PBTB @ 3960?
- ? POOH bailer and tbg
- ? RIH with production tubing and locate intake at 3900?.
- ? Set TAC @ 3150?
- ? RIH w/ rods and pump.
- ? RDMO rig.

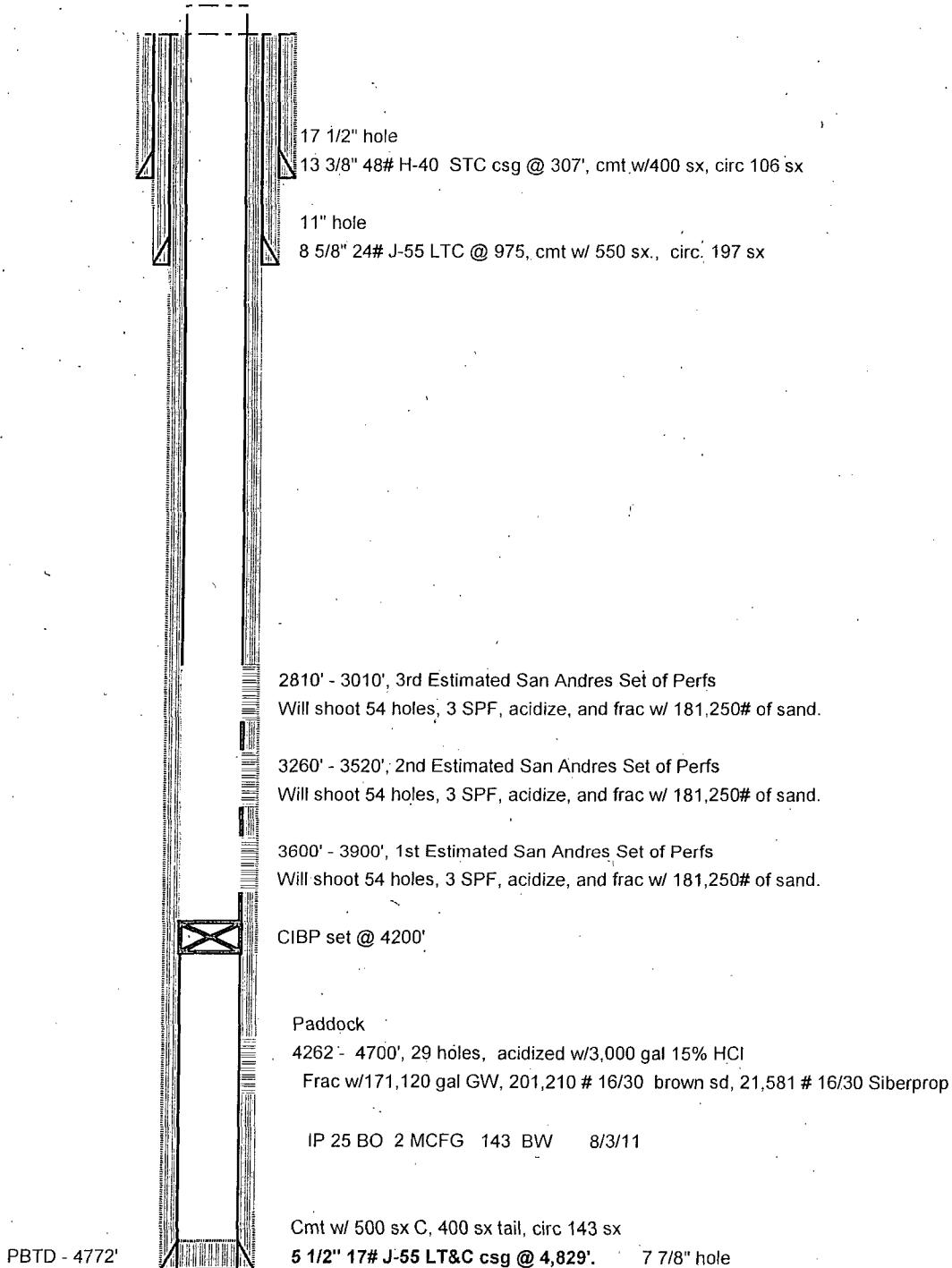
# COG Operating LLC

## Lease & Well #

30-015-38558  
Spud: 6/18/11  
Completion: 7/21/11  
Elevation - 3598' GR

## Burch Keely Unit #636

Sec 24 T17S R29E 10 FSL & 2299 FWL Lot O  
Eddy Co., NM



# COG Operating LLC

## Lease & Well #

30-015-38558

Spud: 6/18/11

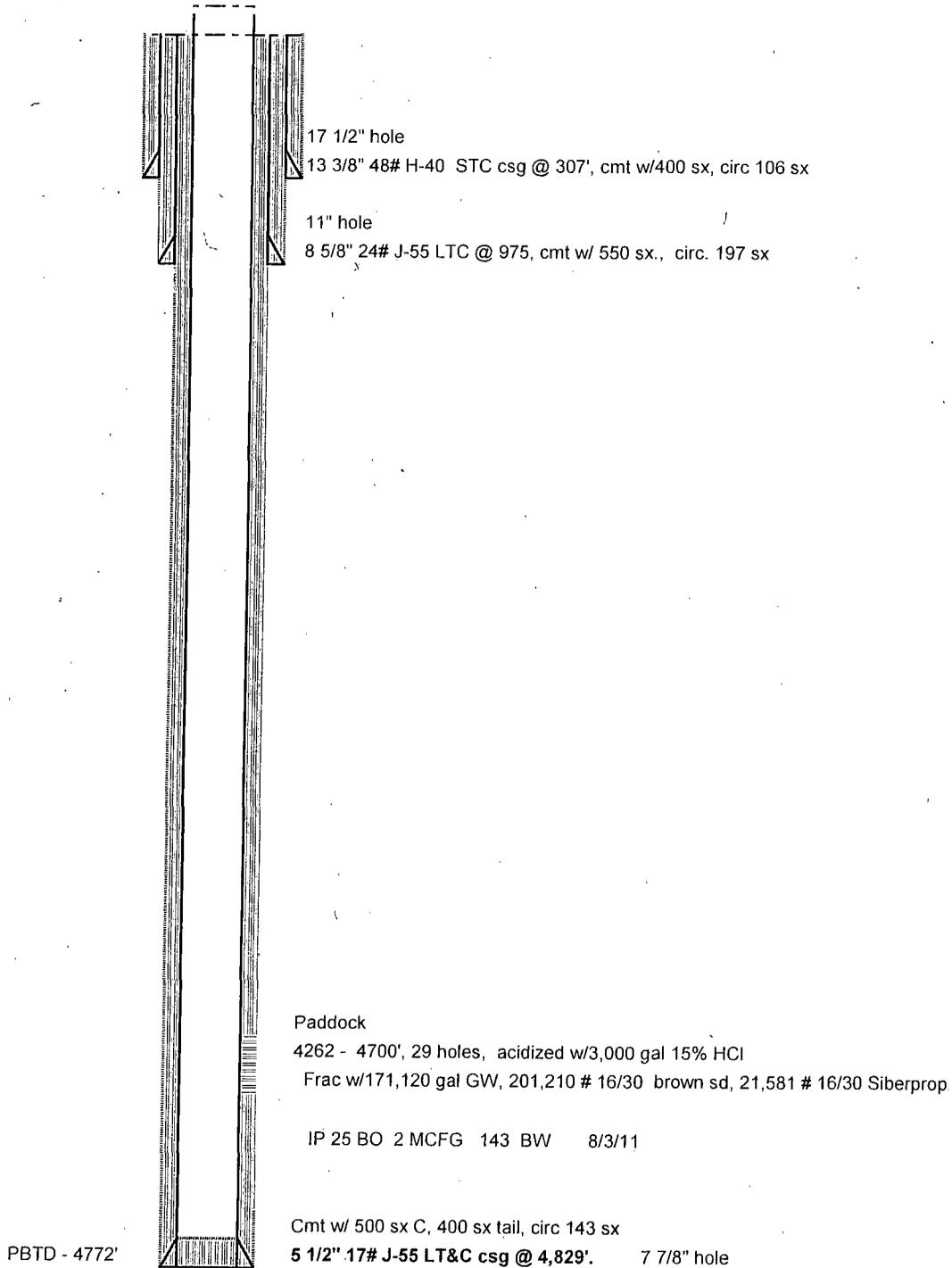
Completion: 7/21/11

Elevation - 3598' GR

## Burch Keely Unit #636

Sec 24 T17S R29E 10 FSL & 2299 FWL Lot O

Eddy Co., NM



District I  
 1625 N French Dr., Hobbs, NM 88240  
 Phone (575) 393-6161 Fax (575) 393-0720  
 District II  
 311 S First St., Artesia, NM 88210  
 Phone (575) 748-1283 Fax (575) 748-9720  
 District III  
 1000 Rio Brazos Road, Aztec, NM 87410  
 Phone (505) 334-6178 Fax (505) 334-6170  
 District IV  
 1220 S St. Francis Dr., Santa Fe, NM 87505  
 Phone (505) 476-3460 Fax (505) 476-3462

State of New Mexico  
 Energy, Minerals & Natural Resources Department  
**OIL CONSERVATION DIVISION**  
 1220 South St. Francis Dr.  
 Santa Fe, NM 87505

**RECEIVED**  
 JUN 01 2012  
**NM OGD ARTESIA**

Form C-102  
 Revised August 1, 2011  
 Submit one copy to appropriate  
 District Office  
 AMENDED REPORT

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

<sup>1</sup> API Number 30-015-38558	<sup>2</sup> Pool Code 97918	<sup>3</sup> Pool Name Burch Keely-Glorieta-Upper Yeso
<sup>4</sup> Property Code 308086	<sup>5</sup> Property Name Burch Keely Unit	
<sup>7</sup> OGRID No. 229137	<sup>8</sup> Operator Name COG Operating LLC	<sup>6</sup> Well Number 636 <sup>9</sup> Elevation 3598

<sup>10</sup> Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
0	24	17S	29E		10	South	2299	East	Eddy

<sup>11</sup> Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
0	24	17S	29E		20	South	2633	East	Eddy

<sup>12</sup> Dedicated Acres 40	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No. R-10067-E
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No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

	<p><b><sup>17</sup> OPERATOR CERTIFICATION</b></p> <p><i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division</i></p> <p> <span style="float: right;">4/23/12</span>        Signature Date        Kanicia Castillo        Printed Name        kcastillo@concho.com        E-mail Address     </p> <p><b><sup>18</sup> SURVEYOR CERTIFICATION</b></p> <p><i>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief</i></p> <p>       Date of Survey        Signature and Seal of Professional Surveyor        Certificate Number     </p>
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**Burch Keely Unit 636**  
**30-015-38558**  
**COG Operating, LLC.**  
**June 17, 2015**  
**Conditions of Approval**

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

**Work to be completed by September 17, 2015.**

- 1. Operator shall set a CIBP at 4,200' and place 40' Class C cement on top. Tag required.**

**Note: At a later date, the Glorieta formation must be abandoned properly.**

- 2. 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.**
- 3. Before casing or a liner is added or replaced, prior BLM approval of the design is required. Use notice of intent Form 3160-5.**
- 4. Surface disturbance beyond the originally approved pad must have prior approval.**
- 5. Closed loop system required.**
- 6. 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.**
- 7. Operator to have H2S monitoring equipment on location.**
- 8. A minimum of a 2000 (2M) 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 (2M 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.**

9. Subsequent sundry required detailing work done and completion report for the new formations. Operator to include well bore schematic of current well condition when work is complete.

10. See attached for general requirements.

JAM 061715

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.