

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Alamogordo Field Office

FORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018**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 page 2**5. Lease Serial No.
NMNM053434

6. If Indian, Allottee or Tribe Name

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

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

LEGACY RESERVES OPERATING LP-Mail: pdarden@legacyp.com

Contact: D. PATRICK DARDEN, PE

Ph: 432-689-5200 Ext: 5237

3a. Address

303 W WALL ST STE 1800
MIDLAND, TX 79701

3b. Phone No. (include area code)

Ph: 432-689-5200 Ext: 5237

8. Well Name and No.
LEA UNIT 2

9. API Well No.

30-025-02428

10. Field and Pool or Exploratory Area
LEA; DEVONIAN

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

Sec 12 T20S R34E SENW 1950FNL 1950FWL

11. County or Parish, State

LEA COUNTY, NM

12. CHECK THE 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"/> Hydraulic Fracturing	<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 must 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 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.

Legacy Reserves will be recompleting the Lea Unit #2 uphole by opening pay in the Bone Spring formation. An earlier Sundry Notice requested permission to P&A the well, please disregard that request. Legacy's planned procedure to recomplete the well is as follows:

- Attempt to get passed collapsed casing @~12,348'.
- If successful set CIBP @~13,840' w/50' cmt on top.
- If successful set CIBP @~12,850' w/50' cmt on top.
- If not successful set CIBP as deep as possible w/50' cmt on top.
- Set CIBP @~12,300' w/50' cmt on top.
- Add Bone Spring pay from ~8,700'-9,580'.
- Return well to production.

**SEE ATTACHED FOR
CONDITIONS OF APPROVAL****MUST SUBMIT C-102 TO
NEW MEXICO OGD
PRIOR TO RECOMP.**

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

Electronic Submission #409435 verified by the BLM Well Information System
For LEGACY RESERVES OPERATING LP, sent to the Hobbs
Committed to AFMSS for processing by MUSTAFA HAQUE on 04/04/2018 ()

Name (Printed/Typed) D. PATRICK DARDEN, PE

Title SR. ENGINEERING ADVISOR

Signature (Electronic Submission)

Date 03/27/2018

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By <u>Mustafa Haque</u>	Title <u>Engineer</u>	Date <u>04-18-2018</u>
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 <u>CFO</u>

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.

(Instructions on page 2)

**** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ****KZ

Additional data for EC transaction #409435 that would not fit on the form

32. Additional remarks, continued

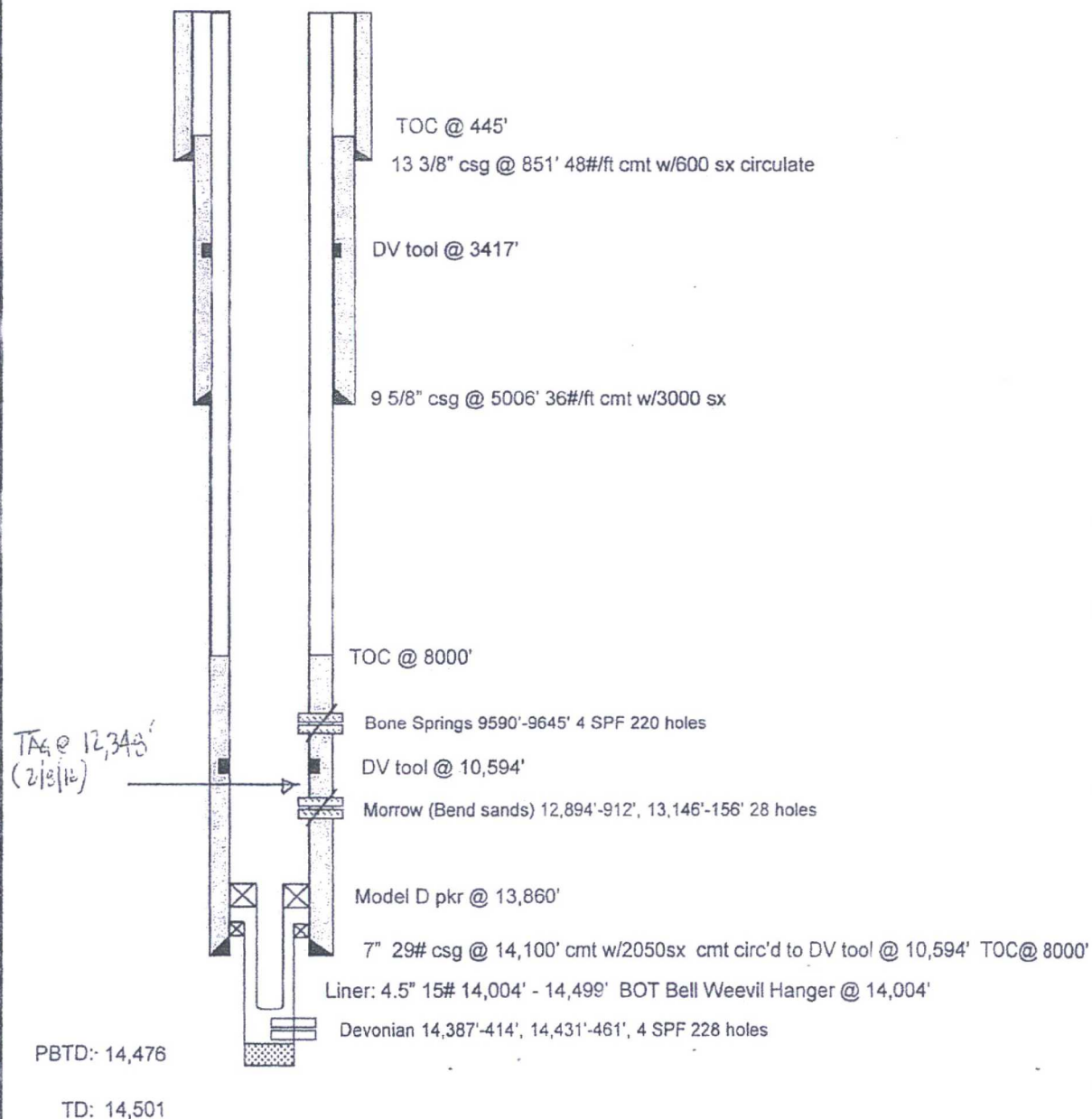
Wellbore diagram attached.

FIELD: LEA
LEASE: LEA UNIT
COUNTY: LEA
STATE: NEW MEXICO

GL: 3667
KB: 3688
SPUD DATE: 3/1961
API No:

DATE: 3/27/2000
BY: dp darden
WELL: 2

LOCATION: 1950' FNL & 1950' FWL SEC 12, T20S, R34E



CURRENT

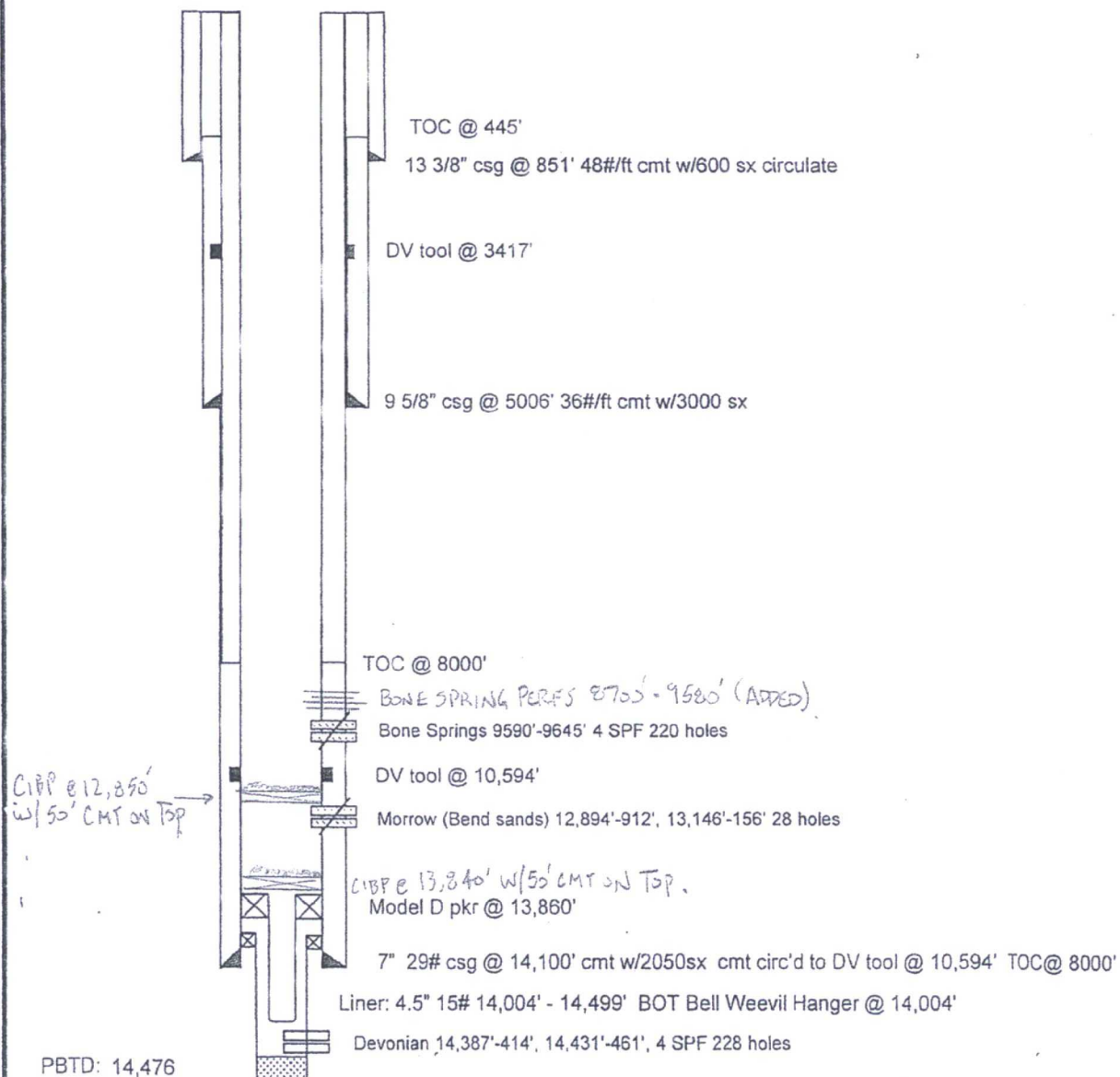
PROPOSED WELLBORE DIAGRAM.

FIELD: LEA
LEASE: LEA UNIT
COUNTY: LEA
STATE: NEW MEXICO

GL: 3667
KB: 3688
SPUD DATE: 3/1961
API No:

DATE: 3/27/2000
BY: dp darden
WELL: 2

LOCATION: 1950' FNL & 1950' FWL SEC 12, T20S, R34E



TOPS

RVSTLER @
1680'

YATES @
3450'
SEVEN RIVERS @
3650'
QUEEN @
4620'

DELAWARE @
5150'

BONE SPRING
@ 9150'

MORROW @
12,710'

DEVONIAN
14,365'

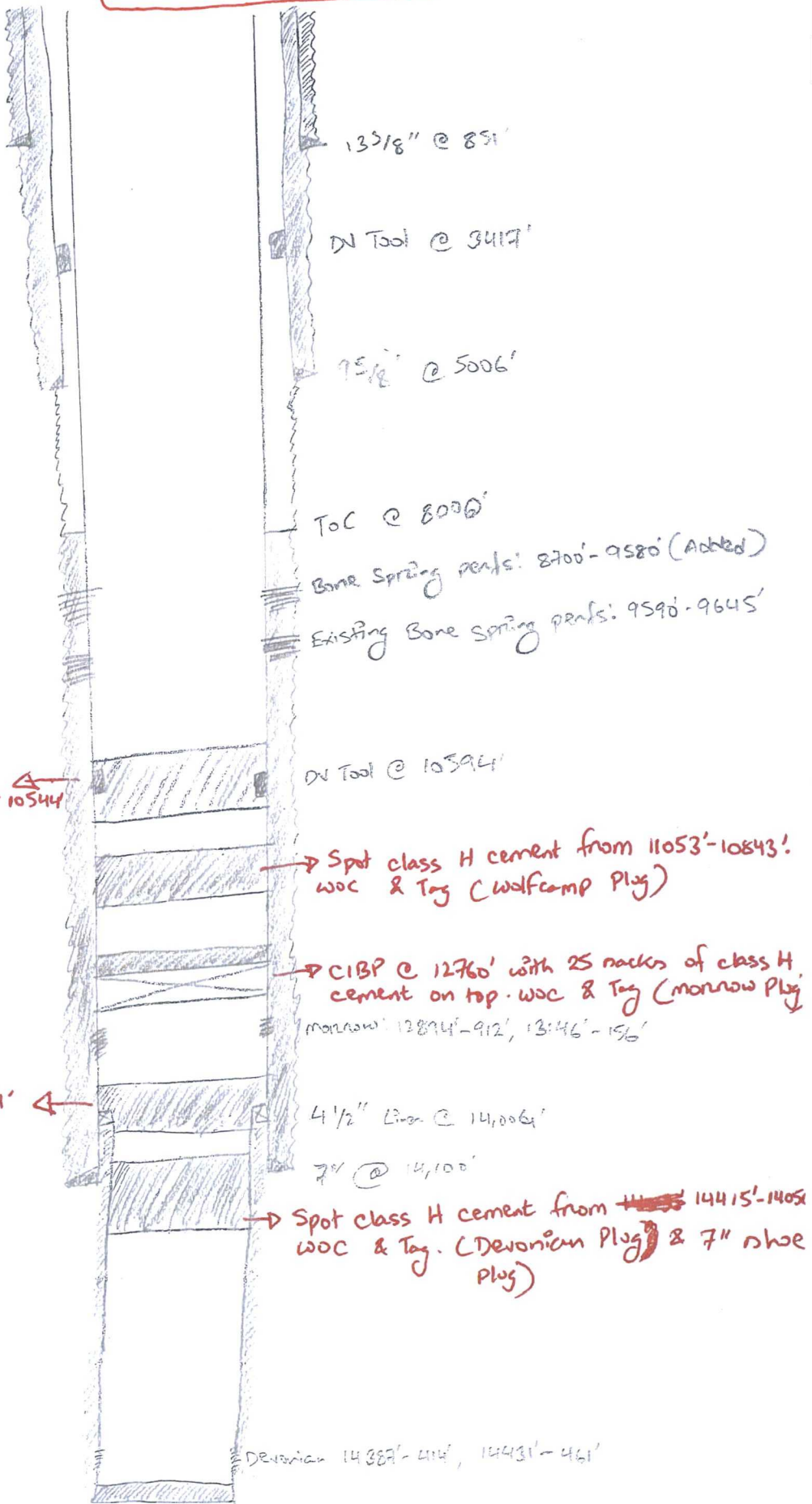
Formation Tops:

Bone Spring = 8150'

Wolfcamp = 11,003'

Morrow = 12,710'

Devonian = 14,365'



TD: 14,301'

PBTD: 14,426'

Lea Unit 2
30-025-02428
Conditions of Approval

Notify BLM at 575-361-2822 (Eddy County) or 575-393-3612 (Lea County) a minimum of 24 hours prior to commencing work.

Work to be completed by July 18, 2018.

Following plugging procedure needs to be completed before proceeding to Bone Spring recompletion operation:

- i. Model D packer at 13,860' needs to be pulled out.
 - ii. Spot class H cement from 14,415' – 14,050'. WOC and Tag.
 - iii. Spot class H cement from 14,054' – 13,954'.
 - iv. Set CIBP at 12,760' with 25 sacks of class H cement on top. WOC and Tag.
 - v. Spot class H cement from 11,053' – 10,843'. WOC and Tag.
 - vi. Spot class H cement from 10,644' – 10,544'.
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1. 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.
 2. Before casing or a liner is added or replaced, prior BLM approval of the design is required. Use notice of intent Form 3160-5.
 3. Surface disturbance beyond the originally approved pad must have prior approval.
 4. Closed loop system required.
 5. 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.
 6. Operator to have H2S monitoring equipment on location.

7. A minimum of a 3000 (3M) 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 (3M 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.
8. **Subsequent sundry required detailing work done, a C-102 form, and completion report for the new formations. Operator to include well bore schematic of current well condition when work is complete.**
9. **See attached for General Plugback Guidelines**

MHH 04182018

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. Plug back operations shall commence within ninety (90) days from this approval. **If you are unable to plug back the well by the 90th day provide this office, prior to the 90th 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. **Before pumping cement on top of CIBP, tag will be required to verify depth. Based on depth, a tag of the cement may be deemed necessary.**

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.** If plugging back to a new zone submit a Completion Report, form 3160-4

with the Subsequent Report.

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.