

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

OCT 23 2013

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.
NMLC054988B

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.
JENKINS B FEDERAL 17

9. API Well No.
30-015-34138

10. Field and Pool, or Exploratory
LOCO HILLS

11. County or Parish, and State
EDDY COUNTY, NM

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

1. Type of Well
 Oil Well Gas Well Other

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

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

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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Sec 20 T17S R30E Mer NMP 330FNL 1525FWL

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.)

Recomplete to the San Andres:

Recompletion Procedure

- ? MIRU pulling unit.
- ? POOH w/ current tubing, NUT frac valve, and test casing to 5300 psi
- ? Rig up wireline.
- ? RIH w/ perforating guns and reperforate San Andres from 3793?-4044? w/ 1 spf, 26 holes.
- ? Acidize w/ 2500 gals of 15% HCl. Set plug at 3600?
- ? RIH w/ perforating guns and reperforate San Andres from 3354 ? -3540 ? w/ 1 spf, 26 holes.
- ? Acidize w/ 2500 gals of 15% HCl. Set plug at 3300?
- ? RIH w/ perforating guns and reperforate San Andres from 3018 ? -3248 ? w/ 1 spf, 26 holes.

see attached email (operator revised their plans)

Accepted for record
RSide NMLC 10/24/13

**SEE ATTACHED FOR
CONDITIONS OF APPROV.**

always include current proposed wellbore diagrams. Provide CIOZ

14. I hereby certify that the foregoing is true and correct.
Electronic Submission #219300 verified by the BLM Well Information System
For COG OPERATING LLC, sent to the Carlsbad
Committed to AFSS for processing by JOHNNY DICKERSON on 09/13/2013 ()

Name (Printed/Typed) KANICIA CASTILLO Title PREPARER

Signature (Electronic Submission) Date 09/06/2013

APPROVED

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 _____

OCT 18 2013
BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD 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 #219300 that would not fit on the form

32. Additional remarks, continued

- ? Acidize w/ 2500 gals of 15% HCl. Frac zone w/ 100,000 # of sand.
- ? RIH and drill out plugs at 3300? and 3600?.
- ? RIH with production tubing and locate intake at 4100?.
- ? RIH w/ rods and pump.
- ? RDMO rig.

Please see attachment.

COG Operating LLC

Lease & Well #

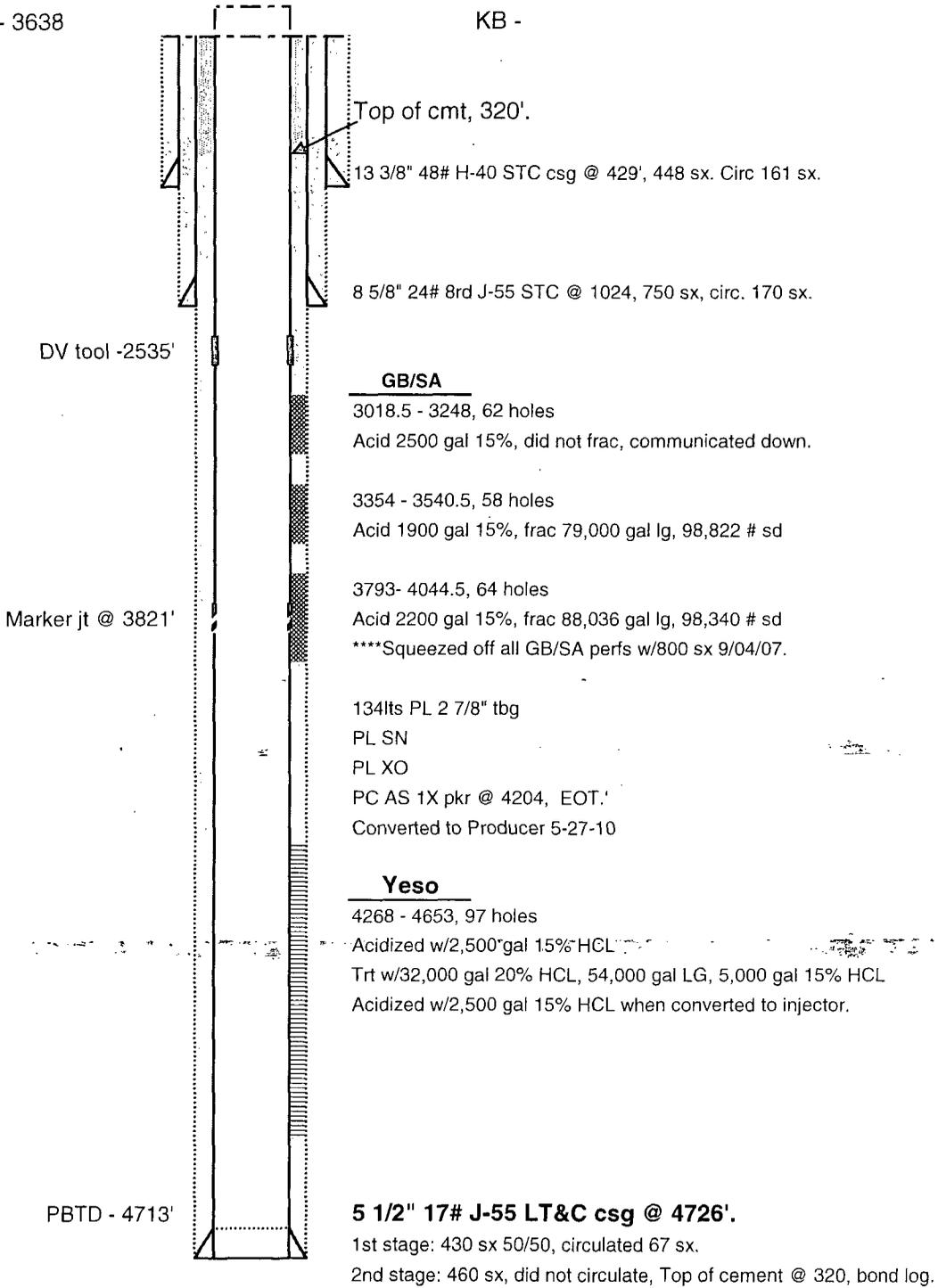
Jenkins B Federal # 17

SPUD: 11/16/06
3001534138

Sec 20C, 17S, 30E, Eddy Co., NM

Elevation - 3638

KB -



COG Operating LLC

Lease & Well #

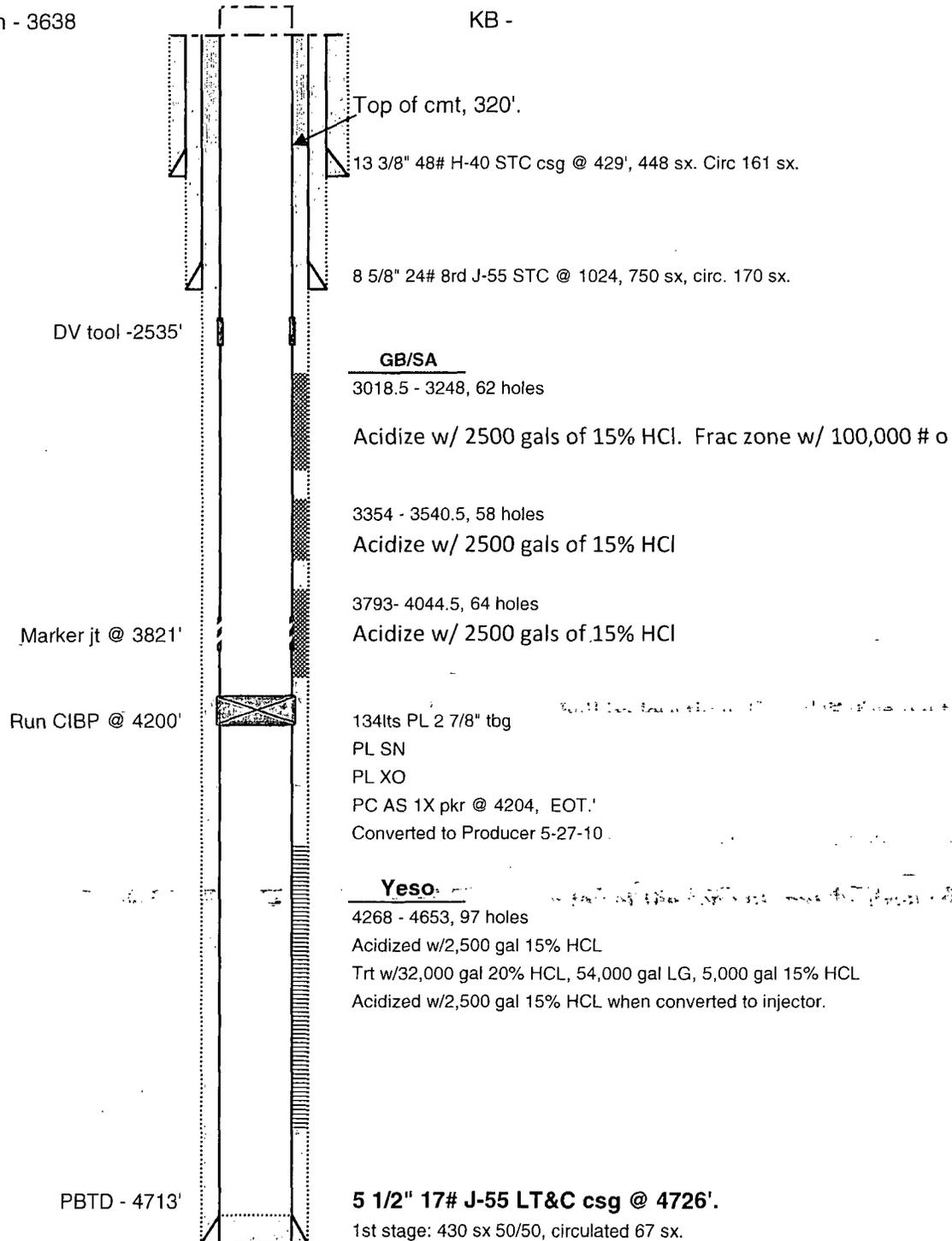
Jenkins B Federal # 17

SPUD: 11/16/06
3001534138

Sec 20C, 17S, 30E, Eddy Co., NM

Elevation - 3638

KB -



2nd stage: 460 sx, did not circulate, Top of cement @ 320, bond log.

JENKINS B FEDERAL #17R

API# 30-015-34138

Well History

Spudded: 11/10/2005

Completed: 1/9/2006

Used as an injection well: 9-7-07

Converted to producer: 5-20-10

Pulled: 8/25/2010, RIH with 2.25" pump

Well Data

Perfs

Squeezed Off

San Andres 3019'-3248'

San Andres 3354'-3540'

San Andres 3793'-4045'

Open

Paddock 4268'-4653'

PBTD 4713'

Unit: 640-365-168 Previously running @9.4 SPM

Fluid Level: 2935' GFAP

Well Test: 0.5 oil, 261 water, 1 gas

Deviated:

Current TBG Detail

133 JTS 2-7/8" J-55 TBG

2' Marker joint

1 JT 2-7/8" J-55 TBG

TAC (TAC@ 4225')

1 JT 2-7/8" J-55 TBG

TBG Barrel

Slotted MA

1 JT 2-7/8" J-55 TBG

BP @ EOT 4650'

Current Rod Detail

1.25" x 26' SMPR

2' Norris D-90 rod sub

66 7/8" N-90 rods

112- 3/4" N D90 rods

4- 1 3/8" sinker bars

2 1/2"x 1 3/4"x 24' RXBC(Quinn)

Rod Pull Procedure

- MIRU WSU, NU BOP
- POOH w/ rods and pump
- Set CIBP @ 4200'
- Wireline truck dump 35' Class C cement of top of CIBP
- Tag cement plug to verify depth of 4165'

- Pulled up 4' to circulate hole clean with fresh water, and displace w/ 2% KCL and 1% packer corrosion inhibitor.
- POOH and secure wellbore

Proposed Recompletion Procedure

- MIRU pulling unit.
- POOH w/ current tubing, NU frac valve, and test casing to 5300 psi
- Rig up wireline.
- RIH w/ perforating guns and reperforate San Andres from 3793'-4044' w/ 1 spf, 26 holes.
- Acidize w/ 2500 gals of 15% HCl. Set plug at 3600'
- RIH w/ perforating guns and reperforate San Andres from 3354' -3540' w/ 1 spf, 26 holes.
- Acidize w/ 2500 gals of 15% HCl. Set plug at 3300'
- RIH w/ perforating guns and reperforate San Andres from 3018' -3248' w/ 1 spf, 26 holes.
- Acidize w/ 2500 gals of 15% HCl. Frac zone w/ 100,000 # of sand.
- RIH and drill out plugs at 3300' and 3600'.
- RIH with production tubing and locate intake at 4100'.
- RIH w/ rods and pump.
- RDMO rig.

Midland, Texas 79701

Cell: 817.235.2091



From: Kanicia Castillo
Sent: Monday, September 23, 2013 8:44 AM
To: Michael James
Subject: FW: Jenkins B Federal #17

Mike,

Could you please answer the questions below?

Thank you,

Kanicia Castillo

Lead Regulatory Analyst

COG OPERATING LLC

One Concho Center

600 W. Illinois Avenue

Midland, TX 79701

P.432.685.4332

F.432.221.0858



From: Mason, Jennifer [mailto:jamason@blm.gov]
Sent: Friday, September 20, 2013 1:16 PM
To: Kanicia Castillo
Subject: Re: Jenkins B Federal #17

[Quoted text hidden]

The engineer's explanation is below.

Please let me know if need anything else.

Thank you,

Kanicia Castillo

Lead Regulatory Analyst

COG OPERATING LLC

One Concho Center

600 W. Illinois Avenue

Midland, TX 79701

P.432.685.4332

F.432.221.0858



From: Michael James
Sent: Monday, September 23, 2013 8:48 AM
To: Kanicia Castillo
Subject: RE: Jenkins B Federal #17

The plugs that are set at 3600' and 3300' are basically temporary frac plugs that are used for diversion during the frac/ acid job. The plug that is set at 4200', will be used long term both during the frac/acid jobs and during the production of the paddock zones. Hope that clarifies things, please let me know if y'all have any more questions.

Michael A. James

Operations Engineer

One Concho Center, Floor Eight

600 W. Illinois Avenue

Kanicia Castillo

Lead Regulatory Analyst

COG OPERATING LLC

One Concho Center

600 W. Illinois Avenue

Midland, TX 79701

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2 attachments

 **Jenkins B Fed # 17 WBD.XLS**
35K

 **Jenkins B Fed # 17 proposed WBD.XLS**
40K

Mason, Jennifer <jamason@blm.gov>
To: Kanicia Castillo <kcastillo@concho.com>

Fri, Sep 20, 2013 at 12:16 PM

Can you please clarify where you are setting plugs. you say you will drill out plugs at 3300' and 3600' (Why are you setting them?). Diagram also say you are setting a CIBP at 4200'. Your procedure is a little unclear.

[Quoted text hidden]

—
Thank you,

Jennifer Mason
Bureau of Land Management
Carlsbad Field Office
575-234-6237

Kanicia Castillo <kcastillo@concho.com>
To: "jamason@blm.gov" <jamason@blm.gov>

Mon, Sep 23, 2013 at 7:57 AM

Jennifer,



9/19/2013, 2:21 PM: Jenkins B Federal #17

Jenkins B Federal #17

Proposed

Kancia Castillo <kcastillo@concho.com>
To: "jamason@blm.gov" <jamason@blm.gov>

Thu, Sep 19, 2013 at 2:21 PM

Jennifer,

The engineer realize there was a mistake on the shot density and changed that info on the procedure as follows:

Proposed Recompletion Procedure

- MIRU pulling unit.
- POOH w/ current tubing, NU frac valve, and test casing to 5300 psi
- Rig up wireline.
- RIH w/ perforating guns and reperforate San Andres from 3793'-4044' w/ 1 spf, 62 holes.
- Acidize w/ 2500 gals of 15% HCl. Set plug at 3600'
- RIH w/ perforating guns and reperforate San Andres from 3354' -3540' w/ 1 spf, 58 holes.
- Acidize w/ 2500 gals of 15% HCl. Set plug at 3300'
- RIH w/ perforating guns and reperforate San Andres from 3018' -3248' w/ 1 spf, 64 holes.
- Acidize w/ 2500 gals of 15% HCl. Frac zone w/ 100,000 # of sand.
- RIH and drill out plugs at 3300' and 3600'.
- RIH with production tubing and locate intake at 4100'.
- RIH w/ rods and pump.
- RDMO rig.

The highlighted parts are the changes.

Please let me know if you need anything else.

Thank you,

**Jenkins B Federal 17
30-015-34138
COG Operating LLC
October 18, 2013
Conditions of Approval**

Work to be completed by January 18, 2014.

- 1. Operator shall place 10 sx Class C Cement on top of the CIBP at 4,200'. Tag cement at 4,099'.**
- 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 formation. Operator to include new well plat and well bore schematic of current well condition when work is complete.

10. See attached for general requirements.

JAM 101813

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

General Requirements for Plug Backs

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 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.

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.**

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.