Form 3160-5
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

NMOCD
Hobbs

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.

5. Lease Serial No.
NMNM0557686

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.
892000321B

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other

8. Well Name and No.
SEMU 160

2. Name of Operator
CONOCOPHILLIPS COMPANY
Contact: RHONDA ROGERS
E-Mail: rogerrs@conocophillips.com

HOBBS OCD

9. API Well No.
30-025-35583-00-S1

3a. Address
MIDLAND, TX 79710

3b. Phone No. (include area code)
Ph: 432-688-9174

FEB 22 2016

10. Field and Pool, or Exploratory
CASS

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
Sec 14 T20S R37E NESW 1650FSL 2250FWL

RECEIVED

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

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

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☒ Recomplete	☐ Other
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ 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.)

ConocoPhillips Company would like to plug back the strawn and recomplete into the SEMU; Blinebry/Tubb/Drinkard per attached procedure.
Attachments:
C-102 for SEMU; Blinebry/Tubb/Drinkard
Current wellbore schematic
Proposed wellbore schematic
procedure for plugback/recomplete

SEE ATTACHED FOR
CONDITIONS OF APPROVAL
One plug changed

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

Electronic Submission #323833 verified by the BLM Well Information System
For CONOCOPHILLIPS COMPANY, sent to the Hobbs
Committed to AFMSS for processing by LINDA JIMENEZ on 12/01/2015 (16LJ0229SE)

Name *(Printed/Typed)* RHONDA ROGERS — Title STAFF REGULATORY TECHNICIAN

Signature (Electronic Submission) — Date 11/17/2015

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

APPROVED
FEB 25 2016
BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

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.

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

MAR 02 2016

SEMU-160
API #30-025-35583
Recompletion
Blinebry-Tubb-Drinkard

Project Scope

- Abandon open Strawn gross completion interval: 7750-7807
- Recomplete to Blinebry-Tubb-Drinkard
  - Selectively perforate @ 1 SPF within the following gross sections:
    Blinebry: 5615-5810
    Tubb: 6388-6512
    Drinkard: 6648-6724
    Lwr Drinkard: 6830-6880
    - Acidize Blinebry-Tubb-Drinkard completion 15% NE Fe HCl
  - Frac Blinebry: 5615-5810 @ 30 BPM w/

Perforations

Type	Formation	Top (RKB): ft	Bottom (RKB): ft.
Open Perforations (08.30.01)	STRAWN	7,750	7,758
		7,776	7,778
		7,790	7,792
		7,805	7,807
PBD		8,044	
TD (08.17.01)			8,150

Well Service Procedure:

1) Prior to MI & RU of service unit:
   a) Verify current anchor test (last well service: 11.2002)
   b) Notify Nalco/Champion of rig-up date
   c) Spot 7 clean 500-bbl frac tanks
      Note: tanks to be loaded w/ inhibited biocide-treated 2% KCl prior to Blinebry frac
   d) Review JSA

2) MI & RU service unit.
   a) Un-seat pump. POOH w/ rods & pump (in-service: 11.2002)
      Visually inspect rods & couplings for wear
      Send pump in for repair.
   b) Pump 15 bbl fresh water down 2-7/8", 6.5# tbg (fluid column: 2590 ft.; 1120#).
      Pump 39 bbl fresh water down 2-7/8" x 5-1/2", 17# annulus (fluid column: 2590 ft.; 1120#)
      SD and allow well to equalize
   c) ND well. NU hydraulic 5M Hydril BOP.
   d) Release tbg anchor. POOH & LD 2-7/8", 6.5#, J-55 production tbg (in-service: 09.2002).

3) PU & RIH w/ 4-3/4" bit, scraper (5-1/2", 17#) & 2-7/8", 6.5#, L-80 tbg to 7725. POOH.

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  - Acidize Blinebry-Tubb-Drinkard completion 15% NE Fe HCl
  - Frac Blinebry: 5615-5810 @ 30 BPM w/

Perforations

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Open Perforations (08.30.01)	STRAWN	7,750	7,758
		7,776	7,778
		7,790	7,792
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PBD		8,044	
TD (08.17.01)			8,150

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   b) Notify Nalco/Champion of rig-up date
   c) Spot 7 clean 500-bbl frac tanks
      Note: tanks to be loaded w/ inhibited biocide-treated 2% KCl prior to Blinebry frac
   d) Review JSA

2) MI & RU service unit.
   a) Un-seat pump. POOH w/ rods & pump (in-service: 11.2002)
      Visually inspect rods & couplings for wear
      Send pump in for repair.
   b) Pump 15 bbl fresh water down 2-7/8", 6.5# tbg (fluid column: 2590 ft.; 1120#).
      Pump 39 bbl fresh water down 2-7/8" x 5-1/2", 17# annulus (fluid column: 2590 ft.; 1120#)
      SD and allow well to equalize
   c) ND well. NU hydraulic 5M Hydril BOP.
   d) Release tbg anchor. POOH & LD 2-7/8", 6.5#, J-55 production tbg (in-service: 09.2002).

3) PU & RIH w/ 4-3/4" bit, scraper (5-1/2", 17#) & 2-7/8", 6.5#, L-80 tbg to 7725. POOH.

SEMU-160
API #30-025-35583
Recompletion
Blinebry-Tubb-Drinkard

ABANDON STRAWN:

4) RIH w/ CIBP (5-1/2",17#) & tbg.
Set CIBP @ 7670

csg collars:	7648, 7693
DVT:	7693-7695
csg collar:	7740
uppermost perforation:	7750

Circ well fresh water (wellbore capacity to CIBP@ 7670: 161 bbl).
Close pipe-rams (or annular) & test CIBP @ 500#.

5) Spot 25 sx cmt plug: 7420-7670 (CIBP)
   a) Pump 25 sx (5.9 bbl) Class C cmt plug
   b) Displace w/ 42.8 bbl fresh water (cmt column: 7390-7670; 280 ft.)
   c) Pull 6 stands (EOT: 7300; cmt column: 7417-7670; 253 ft.)
   d) Reverse 2 tbg volumes (85 bbl). SD 4 hrs.
   e) RIH & tag cmt @ 7417.
   f) Pull uphole & position EOT @ 7250

Spot 25 sx cmt plug: ~~7000-7250~~ OK 7100'-6850'
   a) Pump 25 sx (5.9 bbl) Class C cmt plug
   b) Displace w/ 40 bbl fresh water (cmt column: 6970-7250, 280 ft.)
   c) Pull 6 stands (EOT: 6880; cmt column: 6997-7250; 253 ft.)
   d) Reverse 2 tbg volumes (80 bbl)
   e) Circ well w/ biocide-treated 2% KCl (wellbore capacity to EOT @ 6880: 144 bbl)
   f) POOH w/ 2-7/8" tbg

RECOMPLETE: BLINEBRY-TUBB-DRINKARD:

6) RU WLU perforating services
   a) NU lubricator w/ pack-off. Test @ 500#
   b) Perforate following intervals at 1 spf (perforating to be done w/ lubricator in-place):

   60-degree phasing w/ 3-3/8" HSD PowerJet 3406, HMX, 22.8 gm (EHD: 0.37 in.; Penetration: 37 in.)

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LOWER DRINKARD COMPLETION				
top	btm	ft.	SPF	shots
6830	6834	4	1	4
6840	6848	8	1	8
6862	6880	18	1	18
		30		30
DRINKARD COMPLETION				
top	btm	ft.	SPF	shots
6648	6656	8	1	8
6663	6668	5	1	5
6673	6675	2	1	2
6680	6684	4	1	4
6688	6690	2	1	2
6706	6710	4	1	4
6714	6724	10	1	10
		35		35
TUBB COMPLETION				
top	btm	ft.	SPF	shots
6388	6392	4	1	4
6398	6404	6	1	6
6410	6418	8	1	8
6424	6428	4	1	4
6445	6448	3	1	3
6457	6459	2	1	2
6463	6470	7	1	7
6498	6512	14	1	14
		48		48
BLINEBRY COMPLETION				
top	btm	ft.	SPF	shots
5616	5634	18	1	18
5660	5678	18	1	18
5704	5722	18	1	18
5748	5766	18	1	18
5792	5810	18	1	18
		90		90

c) RD WLU

7) RIH w/ 2-7/8", 6.5#, L-80 tbg w/ PKR, ball-catcher & RBP. Test tbg below slips @ 6000# (2-7/8",6.5#, L-80 Internal Yield Prs.: 10,570#)

8) RU acid-services:
   a) Test surface lines @ 6500#

b) Set treating line pop-off @ 6000#
c) Set pump-trips @ 5500#
d) Install spring-operated relief valve on csg-tbg annulus. Pre-set @ 500#

9) Lower Drinkard Perforated Interval: 6830-6880 Acidize w/ 90 bbl (3,780 gal)15% NE Fe HCl
   a) Set RBP @ 6950 (lowermost perforation: 6880; est PBD: 7000; collars: 6882, 6927 & 6972)
      Position PKR @ 6880 (do not set)
   b) Spot 2 bbl 15% HCl:
      i. With well loaded w/ 2% KCl, pump 2 bbl 15% HCl
      ii. Displace w/ 39.3 bbl 2% KCl
      iii. SD & allow well to equalize (acid column: 6785-6880)
   c) Set PKR @ 6780 (perforations: 6724 & 6830; collars: 6712, 6757 & 6802; acid column: 6794-6880)
   d) Acidize w/ remaining 88 bbl 15% HCl:
      i. Breakdown & obtain PIR w/ 2% KCl
      ii. Pump 22 bbl 15% HCl
      iii. Pump 44 bbl 15% HCl w/ 1 bs per bbl
      iv. Pump 22 bbl 15% HCl
      v. Displace w/ 57 bbl 2% KCl. AIR: 5 BPM. ATP: 4000#
         capacity to btm perf: 41.6 bbl (over-displace w/ 3 x AIR: 5 BPM)

         Note: if ball-out occurs during displacement (surface treating prs: 5000#)
         shut-down
         surge well to un-seat ball-sealers
         resume pumping acid

      vi. Record: ISIP. SITP(5 min). SITP(10 min).SITP(15 min).
   e) Flow down well.
   f) Release PKR @ 6775. RIH & release RBP @ 6950.

10) Drinkard Perforated Interval: 6648-6724: Acidize w/ 105 bbl (4,410 gal) 15% NE Fe HCl
   a) Re-set @ RBP @ 6780 (perforations: 6724 & 6830; collars: 6712, 6757 & 6802).
      Set PKR & test RBP @ 1000#. Release PKR.
      Re-position PKR @ 6724 (do not set).
   b) Spot 3 bbl 15% HCl: 6581-6710
      i. With well loaded w/ 2% KCl, pump 3 bbl 15% HCl
      ii. Displace w/ 38 bbl 2% KCl
      iii. SD & allow well to equalize (acid column: 6581-6724)
   c) Set PKR @ 6555 (perforations: 6512 & 6648; collars: 6532 & 6577; acid column: 6595-6724)
   d) Acidize w/ remaining 102 bbl 15% HCl:
      i. Breakdown & obtain PIR w/ 2% KCl
      ii. Pump 25 bbl 15% NE HCl
      iii. Pump 52 bbl 15% HCl w/ 1 bs per bbl
      iv. Pump 25 bbl 15% NE Fe HCl
      v. Displace w/ 57 bbl 2% KCl. AIR: 5 BPM. ATP: 3900#
         capacity to btm perf: 41.9 bbl (over-displace w/ 3 x AIR: 5 BPM)

         Note: if ball-out occurs during displacement (surface treating prs: 5000#)

shut-down
surge well to un-seat ball-sealers
resume pumping acid

vi. Record: ISIP. SITP(5 min). SITP(10 min).SITP(15 min).

e) Flow down well.
f) Release PKR @ 6555. RIH & Release RBP 6780.

11) Tubb Perforated Interval: 6388-6512: Acidize w/ 144 bbl (6,048 gal) 15% NE Fe HCl:
a) Set RBP @ 6555 (perforations: 6512 & 6648; collars: 6532 & 6577)
Set PKR & test RBP @ 1000#. Release PKR.
Re-position PKR @ 6512 (do not set).
b) Spot 8 bbl 15% HCl: 6168-6512
i. With well loaded w/ 2% KCl, pump 8 bbl 15% HCl
ii. Displace w/ 35.5 bbl 2% KCl
iii. SD & allow well to equalize (acid column: 6131-6490)
c) Set PKR @ 6100 (perforations: 5810 & 6388; collars: 6082 & 6127; acid column: 6167-6512)
d) Acidize w/ remaining 136 bbl 15% HCL:
i. Breakdown & obtain PIR w/ 2% KCl
ii. Pump 32 bbl 15% HCl
iii. Pump 72 bbl 15% HCl w/ 1 bs per bbl
iv. Pump 32 bbl 15% HCl
v. Displace w/ 60 bbl 2% KCl. AIR: 5 BPM. ATP: 3700#
capacity to btm perf: 44.9 bbl (over-displace w/ 3 x AIR: 5 BPM)

Note: if ball-out occurs during displacement (surface treating prs: 4500#)
shut-down
surge well to un-seat ball-sealers
resume displacement

vi. Record: ISIP. SITP(5 min). SITP(10 min). SITP(15 min).

e) Flow down well.
f) Release PKR @ 6100. RIH & release RBP @ 6555.

12) Blinebry Perforated Interval: 5792-5810: Acidize w/ 36 bbl (1,512 gal) 15% NE Fe HCl
a) Set RBP @ 5835 (perforations: 5810 & 6388; collars: 5812 & 5856)
Set PKR & test RBP @ 1000#. Release PKR.
Re-position PKR @ 5810 (do not set).
b) Spot 5 bbl 15% HCl:
i. With well loaded w/ 2% KCl, pump 5 bbl 15% HCl
ii. Displace w/ 28.9 bbl 2% KCl
iii. SD & allow well to equalize
c) Set PKR @ 5780 (perforations: 5766 & 5792; collars: 5758 & 5812)
d) Breakdown perforation w/ 2% KCl.
e) Pump remaining 31 bbl 15% NE Fe HCl
f) Displace acid w/ 49 bbl 2% KCl. AIR: 5 BPM. ATP: 3400#
Capacity to btm perf: 34.2 bbl (over-displace w/ 3 x AIR: 5 BPM)

g) Record: ISIP. SITP(5 min). SITP(10 min). SITP(15 min).
h) Flow down well.
i) Release PKR @ 5780. RIH & release RBP @ 5835.

13) Blinebry Perforated Interval: 5748-5766: Acidize w/ 36 bbl (1,512 gal) 15% NE Fe HCl
a) Set RBP @ 5780 (perforations: 5766 & 5792; collars: 5758 & 5812)
Set PKR & test RBP @ 1000#. Release PKR.
Re-position PKR @ 5766 (do not set).
b) Spot 5 bbl 15% HCl:
i. With well loaded w/ 2% KCl, pump 5 bbl 15% HCl
ii. Displace w/ 28.7 bbl 2% KCl
iii. SD & allow well to equalize
c) Set PKR @ 5735 (perforations: 5722 & 5748; collars: 5722 & 5768)
d) Breakdown perforation w/ 2% KCl.
e) Pump remaining 31 bbl 15% NE Fe HCl
f) Displace acid w/ 46 bbl 2% KCl. AIR: 5 BPM. ATP: 3375#
Capacity to btm perf: 33.9 bbl (over-displace w/ 3 x AIR: 5 BPM)
g) Record: ISIP. SITP(5 min). SITP(10 min). SITP(15 min).
h) Flow down well.
i) Release PKR @ 5735. RIH & release RBP @ 5780.

14) Blinebry Perforated Interval: 5704-5722: Acidize w/ 36 bbl (1,512 gal) 15% NE Fe HCl
a) Set RBP @ 5735 (perforations: 5722 & 5748; collars: 5722 & 5768)
Set PKR & test RBP @ 1000#. Release PKR.
Re-position PKR @ 5722 (do not set).
b) Spot 5 bbl 15% HCl:
i. With well loaded w/ 2% KCl, pump 5 bbl 15% HCl
ii. Displace w/ 28.4 bbl 2% KCl
iii. SD & allow well to equalize
c) Set PKR @ 5690 (perforations: 5678 & 5704; collars: 5677 & 5722)
d) Breakdown perforation w/ 2% KCl.
e) Pump remaining 31 bbl 15% NE Fe HCl
f) Displace acid w/ 49 bbl 2% KCl. AIR: 5 BPM. ATP: 3350#
Capacity to btm perf: 33.7 bbl (over-displace w/ 3 x AIR: 5 BPM)
g) Record: ISIP. SITP(5 min). SITP(10 min). SITP(15 min).
h) Flow down well.
i) Release PKR @ 5690. RIH & release RBP @ 5735.

15) Blinebry Perforated Interval: 5660-5678: Acidize w/ 36 bbl (1,512 gal) 15% NE Fe HCl
a) Set RBP @ 5690 (perforations: 5678 & 5704; collars: 5677 & 5722)
Set PKR & test RBP @ 1000#. Release PKR.
Re-position PKR @ 5678 (do not set).
b) Spot 5 bbl 15% HCl:
i. With well loaded w/ 2% KCl, pump 5 bbl 15% HCl
ii. Displace w/ 28.2 bbl 2% KCl
iii. SD & allow well to equalize
c) Set PKR @ 5645 (perforations: 5634 & 5660; collars: 5632 & 5677)

d) Breakdown perforation w/ 2% KCl.
e) Pump remaining 31 bbl 15% NE Fe HCl
f) Displace acid w/ 49 bbl 2% KCl. AIR: 5 BPM. ATP: 3325#
Capacity to btm perf: 33.5 bbl (over-displace w/ 3 x AIR: 5 BPM)
g) Record: ISIP. SITP(5 min). SITP(10 min). SITP(15 min).
h) Flow down well.
i) Release PKR @ 5645. RIH & release RBP @ 5690.

16) Blinebry Perforated Interval: 5616-5634: Acidize w/ 36 bbl (1,512 gal) 15% NE Fe HCl
a) Set RBP @ 5645 (perforations: 5634 & 5660; collars: 5632 & 5677)
Set PKR & test RBP @ 1000#. Release PKR.
Re-position PKR @ 5634 (do not set).
b) Spot 5 bbl 15% HCl:
i. With well loaded w/ 2% KCl, pump 5 bbl 15% HCl
ii. Displace w/ 28.0 bbl 2% KCl
iii. SD & allow well to equalize
c) Set PKR @ 5600 (perforations: 5616; collars: 5542, 5587 & 5632)
d) Breakdown perforation w/ 2% KCl.
e) Pump remaining 31 bbl 15% NE Fe HCl
f) Displace acid w/ 48 bbl 2% KCl. AIR: 5 BPM. ATP: 3300#
Capacity to btm perf: 33.2 bbl (over-displace w/ 3 x AIR: 5 BPM)
g) Record: ISIP. SITP(5 min). SITP(10 min). SITP(15 min).
h) Flow down well.
i) Release PKR @ 5600. RIH & release RBP @ 5645.

17) POOH w/ 2-7/8", 6.5#, L-80 tbg w/ PKR & RBP. LD PKR & RBP.
Frac Blinebry Completion Interval: 5616-5810

18) PU & RIH w/ 3-1/2", 9.3#, L-80 tbg w/ re-dressed PKR & RBP.
a) Test tbg below slips @ 7,000 psi
3-1/2", 9.3#, L-80 Internal Yield: 10,160 psi
Estimated surface treating prs @ 30 BPM: 4,500 psi
b) Set RBP @ 5875 (perforations: 5810 & 6388; collars: 5856, 5902 & 5946)
c) Set PKR & test RBP @ 3000# surface prs
Equivalent to: 5460# @ uppermost perforation; grad.: 0.97 psi/ft.
5545# @ lowermost perforation; grad.: 0.95 psi/ft
5775# @ RBP; grad.: 0.95 psi/ft
Estimated BHTP: 4,850# (grad.: 0.86 psi/ft.)
d) Re-set PKR @ 5295 (perforation: 5616; collars: 5272 & 5317)
e) Load 3-1/2" x 5-1/2", 17 csg. Test csg above PKR @ 500#.

19) RU frac services:
a) NU frac-valves:
5K psi manual frac valve (btm)
5K psi hydraulic frac valve (top)
b) Test surface lines @ 6500#
c) Set treating line pop-off @ 6000#
d) Set pump-trips @ 5500#

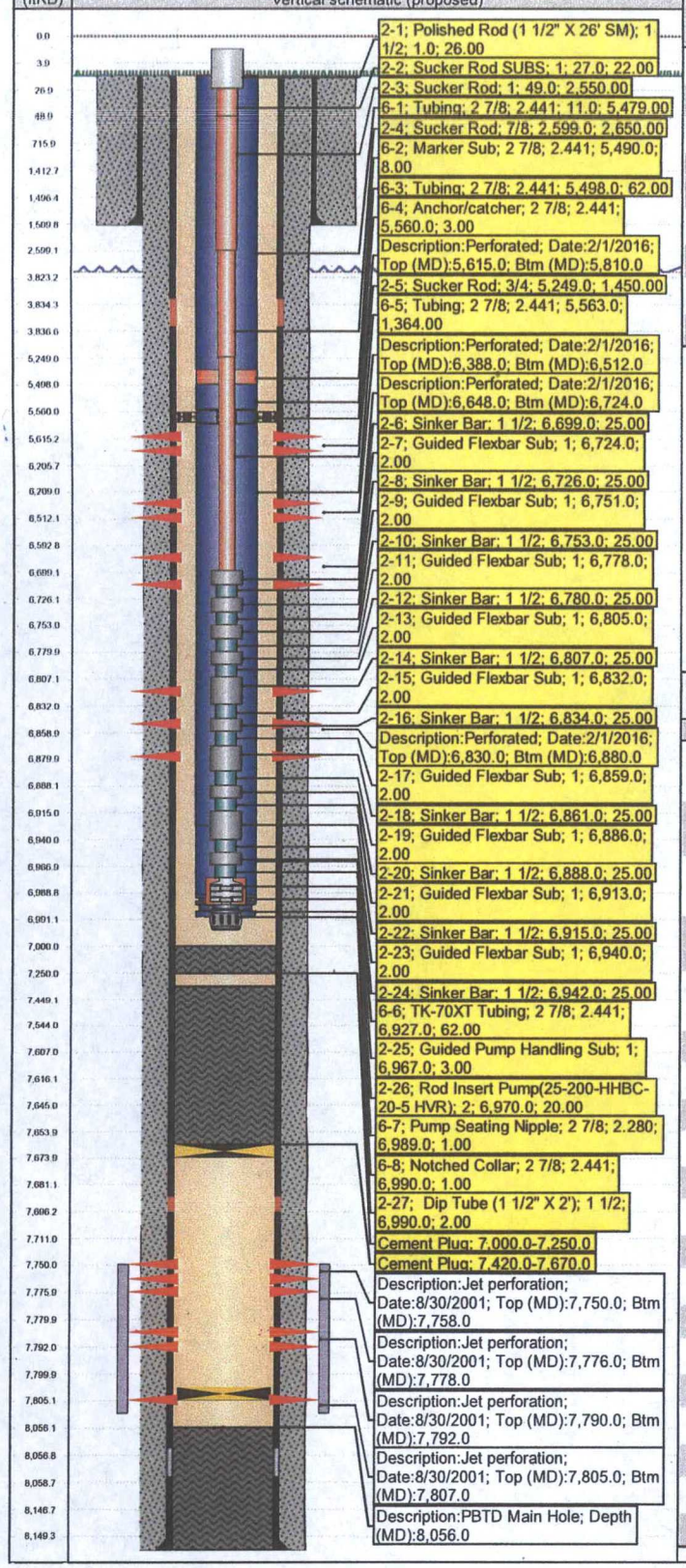
e) Install spring-operated relief valve on csg-tbg annulus. Pre-set @ 500#
f) Place 200# on 3-1/2" x 5-1/2" annulus (record annulus load volume).

20) Frac-treat Blinebry perforated interval: 5616-5810
21) SION to allow resin to cure
Open well & flow back until dead.
ND frac valves
Release PKR. POOH & LD 3-1/2", 9.3#, L-80 tbg & PKR.
22) RIH w/ 2-7/8", 6.5#, L-80 tbg & retrieving head for RBP.
Release RBP @ 5790. POOH w/ tbg & RBP.
23) RIH w/ 2-7/8", 6.5#, L-80 tbg w/ 4-3/4" bit & casing scraper 5-1/2", 17#) to PBD @ 7000..
POOH & LD 2-7/8", 6.5#, L-80 tbg, csg scraper & bit.
24) PU & RIH w/ 2-7/8", 6.5# J-55 production tbg.
TAC positioned approximately: 5565 (top perf: 5616; collars: 5542 & 5587)
SN positioned approximately: 6930 (btm perf: 6880; est PBD: 7000)
Test tbg below slips @ 3000# while RIH (2-7/8", 6.5#, J-55 Internal Yield Prs: 7,260#).
25) ND BOP. NU well.
17) RIH w/ pump & rods
18) RD well service unit. Release all services.

SEMU-160
API #30-025-35583
Recompletion
Blinebry-Tubb-Drinkard

SEMU-160 (API: 30-025-35583)					
1650 FSL & 2250 FWL, K-14-20S-37E					
Elev.: 3557 KB; 3546 GL (KB - GL: 11 ft.)					
			Depth (RKB): ft.		
			top	btm	
8-5/8", 24#, J-55			surface	1508	08.02.01: Cmt w/ 665 sx (226 bbl). Circ cmt to surface (99 sx; 38 bbl)
5-1/2", 17#, J-55 w/			surface	8150	08.20.01: Cmt 1st stg: Cmt w/ 345 sx (134 bbl). Circ 30 sx (8 bbl)
DVT-2: 3831-3833					Cmt 2nd stg: Cmt w/ 500 sx (60 bbl). Circ 232 sx (62 bbl)
DVT-1: 7693-7695					Cmt 3rd stg: Cmt w/ 1000 sx (364 bbl). Circ 21 sx (6 bbl)
Reported Tops	RKB: ft.	RMSL: ft.			Current Downhole:
Yates	2662	(+ 895)			Tubing (in-service: 09.2002)
Seven Rivers	2920	(+ 637)			237 jts: 2-7/8", 6.5#, J-55: surface-7711
Queen	3471	(+ 86)			1: 2-7/8" x 5-1/2", 17# x 3" TAC: 7711-7714
Penrose	3582	(- 25)			3 jts: 2-7/8", 6.5#, J-55: 7714-7800
Grayburg	3744	(- 187)			1: 2-7/8" SN: 7800-7801
San Andres	3928	(- 371)			Rods & Pump (in-service: 11.2002)
Glorieta	5194	(-1637)			1: 1-1/2" x 26' polish rod: 4-30
Blinebry Marker	5762	(-2205)			127: 7/8" x 25' KD rods: 30-3205
Tubb Marker	6314	(-2757)			180: 3/4" x 25' KD rods: 3205-7705
Drinkard	6639	(-3082)			3: 1-1/2" x 25" Grade C sinker bars: 7705-7780
Abo	6966	(-6641)			1: 2-1/2" x 2" x 20' RHBC pump: 7780-7800
Strawn	7746	(-4189)			1: 1-1/2" x 1' Dip-tube: 7800-7801
Perforated Interval: Strawn			7750	7758	08.30.01: Perforated @ 4 spf
			7776	7778	08.30.01: Perforated @ 4 spf
			7790	7792	08.30.01: Perforated @ 4 spf
			7805	7807	08.30.01: Perforated @ 4 spf
PBD			8044	8150	08.29.01: Clean-out to 8044 (08.30.01: Logger PBD 8044)
TD				8150	08.17.01: Driller TD (08.17.01 Logger TD: 8150; BHT: 120 F)

Proposed Rod and Tubing Configuration
SEMU 160



Tubing Description: PROPOSED Tubing - Production — **Set Depth (ftKB)**: 6,991.0

Jts	Item Des	OD Nominal (in)	Nominal ID (in)	Wt (lb/ft)	Grade	Len (ft)	Btm (ftKB)
177	Tubing	2 7/8	2.441	6.50	J-55	5,479.00	5,490.0
1	Marker Sub	2 7/8	2.441	6.50	J-55	8.00	5,498.0
2	Tubing	2 7/8	2.441	6.50	J-55	62.00	5,560.0
1	Anchor/catcher	2 7/8	2.441	30.00	TAC	3.00	5,563.0
44	Tubing	2 7/8	2.441	6.50	J-55	1,364.00	6,927.0
2	TK-70XT Tubing	2 7/8	2.441	6.50	J-55	62.00	6,989.0
1	Pump Seating Nipple	2 7/8	2.280	1.00	SN	1.00	6,990.0
1	Notched Collar	2 7/8	2.441	6.50	J-55	1.00	6,991.0

Rod Description: PROPOSED Rod — **Set Depth (ftKB)**: 6,992.0

Jts	Item Des	OD (in)	API Grade	Len (ft)	Btm (ftKB)
1	Polished Rod (1 1/2" X 26' SM)	1 1/2		26.00	27.0
2	Sucker Rod SUBS	1	D Spec KD	22.00	49.0
102	Sucker Rod	1	D Spec KD	2,550.00	2,599.0
106	Sucker Rod	7/8	D Spec KD	2,650.00	5,249.0
58	Sucker Rod	3/4	D Spec KD	1,450.00	6,699.0
1	Sinker Bar	1 1/2	K	25.00	6,724.0
1	Guided Flexbar Sub	1		2.00	6,726.0
1	Sinker Bar	1 1/2	K	25.00	6,751.0
1	Guided Flexbar Sub	1		2.00	6,753.0
1	Sinker Bar	1 1/2	K	25.00	6,778.0
1	Guided Flexbar Sub	1		2.00	6,780.0
1	Sinker Bar	1 1/2	K	25.00	6,805.0
1	Guided Flexbar Sub	1		2.00	6,807.0
1	Sinker Bar	1 1/2	K	25.00	6,832.0
1	Guided Flexbar Sub	1		2.00	6,834.0
1	Sinker Bar	1 1/2	K	25.00	6,859.0
1	Guided Flexbar Sub	1		2.00	6,861.0
1	Sinker Bar	1 1/2	K	25.00	6,886.0
1	Guided Flexbar Sub	1		2.00	6,888.0
1	Sinker Bar	1 1/2	K	25.00	6,913.0

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 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

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

[1] API Number	[2] Pool Code	[3] Pool Name
30-025-35583	63080	SEMU;Blinebry/Tubb/Drinkard

[4] Property Code	[5] Property Name	[6] Well Number
31670	SEMU	160

[7] OGRID No.	[8] Operator Name	[9] Elevation
217817	ConocoPhillips Company	3546'

[10] Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
K	14	20S	37E		1650	South	2250	West	Lea

[11] 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
K									

[12] Dedicated Acres	[13] Joint or Infill	[14] Consolidation Code	[15] Order No.
40			

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.

[16]

2250'

1650'

[17] OPERATOR CERTIFICATION

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.

Signature — Date: 11/17/2015

Rhonda Rogers
Printed Name

rogerrs@conocophillips.com
E-mail Address

[18] SURVEYOR CERTIFICATION

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.

Date of Survey

Signature and Seal of Professional Surveyor:

Certificate Number

ConocoPhillips

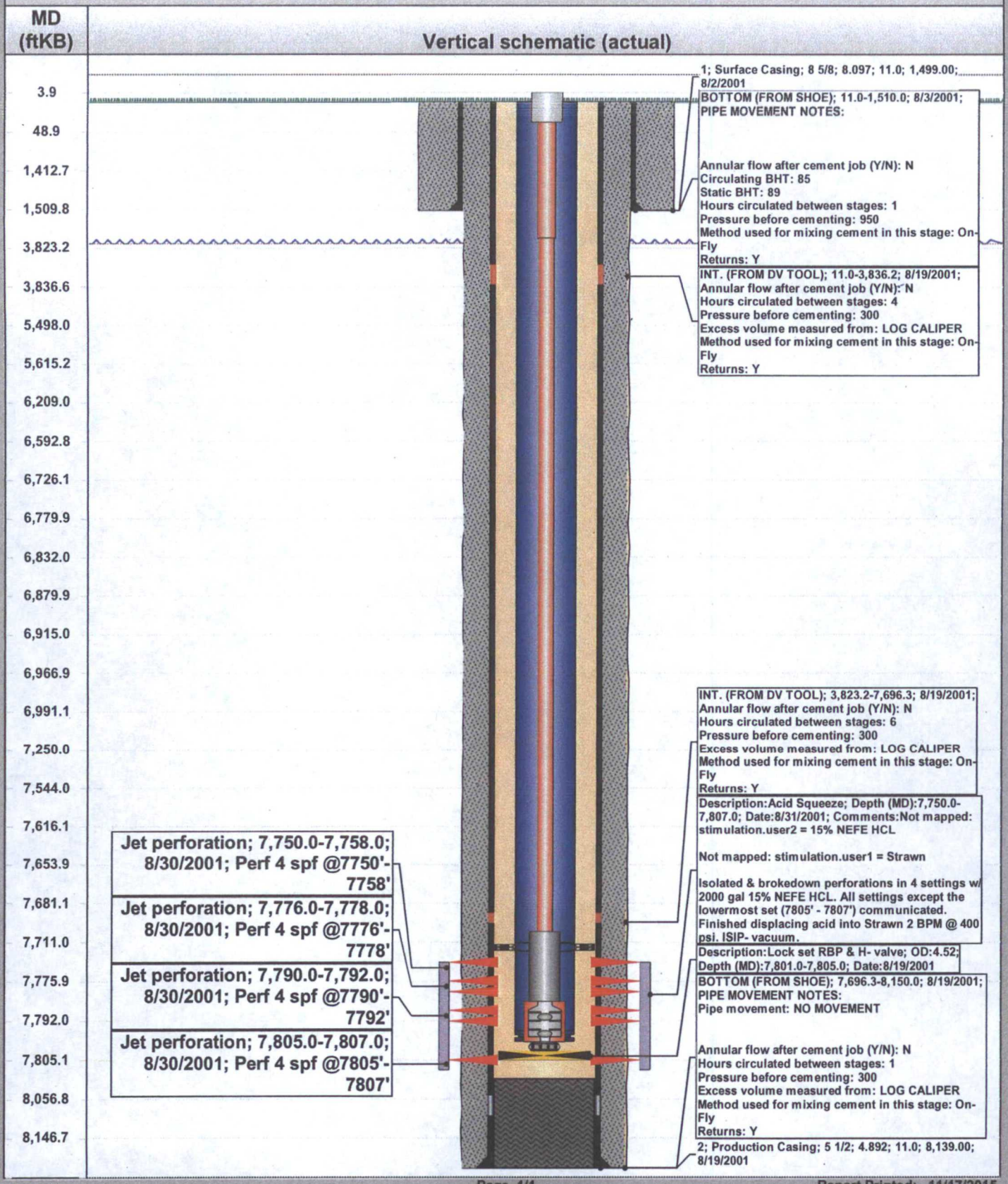
CURRENT SCHEMATIC

SEMU 160

District	Field Name	API / UWI	County	State/Province
PERMIAN CONVENTIONAL		300253558300	LEA	NEW MEXICO

Original Spud Date	Surface Legal Location	E/W Dist (ft)	E/W Ref	N/S Dist (ft)	N/S Ref
7/27/2001	Sec 14,T-20-S,R 37 E	0.00	E	0.00	N

VERTICAL - Main Hole, 2/1/2016



Report Printed: 11/17/2015

SEMU 160
30-025-35583
ConocoPhillips Company
February 05, 2016
Conditions of Approval

Notify BLM at 575-393-3612 a minimum of 24 hours prior to commencing work.

Work to be completed by May 05 2016.

1. **Operator shall place CIBP at 7,670' (50'-100' above top most perf) and place 25sx of Class H cement on top. WOC and tag a minimum of 7,420' as proposed.**

2. **Operator shall place a balanced Class C cement plug from 7,100'-6,850' to seal the top of the Abo formation.**

3. **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**

4. Before casing or a liner is added or replaced, prior BLM approval of the design is required. Use notice of intent Form 3160-5.

5. Surface disturbance beyond the originally approved pad must have prior approval.

6. Closed loop system required.

7. 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.

8. Operator to have H2S monitoring equipment on location.

9. 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.

10. **Subsequent sundry required detailing work done, C-102 form, and completion report with the new formation. Operator to include well bore schematic of current well condition when work is complete.**

11. **See attached for general requirements.**

JAM 020516

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 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. 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.