

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
SLM

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

BCO, Inc

3. Address and Telephone No.

135 Grant, Santa Fe, NM 87501 (505) 983-1228

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

1850' FNL + 1700' FEL, NMPM
S 33 - T 23N - R 7W

5. Lease Designation and Serial No.

NM-16586

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Federal I #1

9. API Well No.

30-043-20334

10. Field and Pool, or Exploratory Area

Alamito Gallup

11. County or Parish, State

Sandoval, NM

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

TYPE OF SUBMISSION

- ☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☒ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☐ Other

- ☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

BCO, Inc. request approval to Plug and abandon.

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

RECEIVED
MAY 26 1994
OIL CON. DIV.
DIST. 8

Attachments: Proposed P + A Procedure (3 pages)

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

Signed [Signature]

Title Senior Field Engineer

Date 05-23-94

(This space for Federal or State office use)

Approved by _____
Conditions of approval, if any:

Title _____

Date _____

APPROVED

MAY 23 1994

MANAGER

Title 18 U.S.C. Section 1001, makes 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.

*See Instruction on Reverse Side

NMOCD

May 13, 1994

BCO, Inc.

Federal I #1 (GI)
NE, Sec. 33, T23N, R7W
Sandoval County, New Mexico

PLUG AND ABANDONMENT PROCEDURE:

(All cement volumes use 100% excess outside pipe and 50' inside;
a 8.3 ppg plugging fluid exceeds the exposed reservoirs' pressure.)

1. Install and/or test rig anchors. Prepare blow pit. Comply to all NMOCD, BLM and BCO safety rules and regulations.
2. MOL and RUSU. Blow well down; kill with water if necessary. ND wellhead and NU BOP and stripping head; test BOP.
3. Release packer at 4604' and POH and tally 2-3/8" tubing (5139'); LD packer.
4. **Plug #1 (Gallup perfs):** RIH with open ended tubing to 5194'. Pump 20 bbls water down tubing. Mix 49 sxs Class B cement and spot a balance plug from 5194' to 4869'. POH to 4000' and WOC. RIH and tag cement. Pull above cement and circulate well clean. POH to 3050'.

NOTE - Well workovers to repair casing leaks have filled the annular void, see well schematic.
5. **Plug #2 (Mesaverde top):** Mix 12 sxs Class B cement and set a balanced plug from 3050' to 2900' inside casing. POH to 3800'.
6. **Plug #3 (PC & Ft tops):** Mix 24 sxs Class B cement and spot a balanced plug from 1550' to 1239' inside casing. POH to 1200'.
7. **Plug #4 (Kt & OA tops):** Mix 27 sxs Class B cement and spot a balanced plug from 1200' to 900'. POH and WOC. RIH and tag cement. POH and LD tubing.
8. **Plug #5 (Surface):** Perforate 2 holes at 190'. Establish circulation out bradenhead valve. Mix approximately 60 sxs Class B cement and pump down 4-1/2" casing, circulate good cement out bradenhead valve. Shut in well and WOC.
9. ND BOP and cut off well head below surface casing flange and install P&A marker to BLM specs. RD and MOL. Cut off anchors.
10. Restore location per BLM stipulations.

EXISTING WELL

BCO, INC.

13 MAY 94

FEDERAL I #1

NE, Sec.339, 23N, 7W
Sandoval County, NM

CEMENT
CIRCULATED
SURFACE

8-5/8" 24# @ 137'

WORKOVER HISTORY

OLD WORKOVERS

- 1783'-2116' - 250 SXS CEMENT
2235'-2250'
- 2036'-2975' - 100 SXS CEMENT
3347'-3362'
- 3031'-3450' - 50 SXS CEMENT
3553'-3803' - 286 SXS CEMENT

TOTAL - 686 SXS

MARCH 1994 WORKOVER

780' - 1800' - 250 SXS CEMENT

- 77 sxs inside casing,
173 sxs outside; 895' annular fill.

2880' - 3886' - 250 SXS CEMENT

- 76 sxs inside casing,
174 sxs outside, 900' annular fill.

**In summary, over 1100 sxs of
cement have been squeezed
in this well, this would fill over
6000' of casing annulus.**

OA @ 959'

Kt @ 1148'

Ft @ 1289'

PC @ 1501'

MV @ 2957'

TOC @ 4533'
(Cal, 75%)

PACKER @ 4604'

GI @ 4919'

GI Perfs 4928'-5144'

2-3/8" EUE TUBING @ 5139'

PBTD 5250'

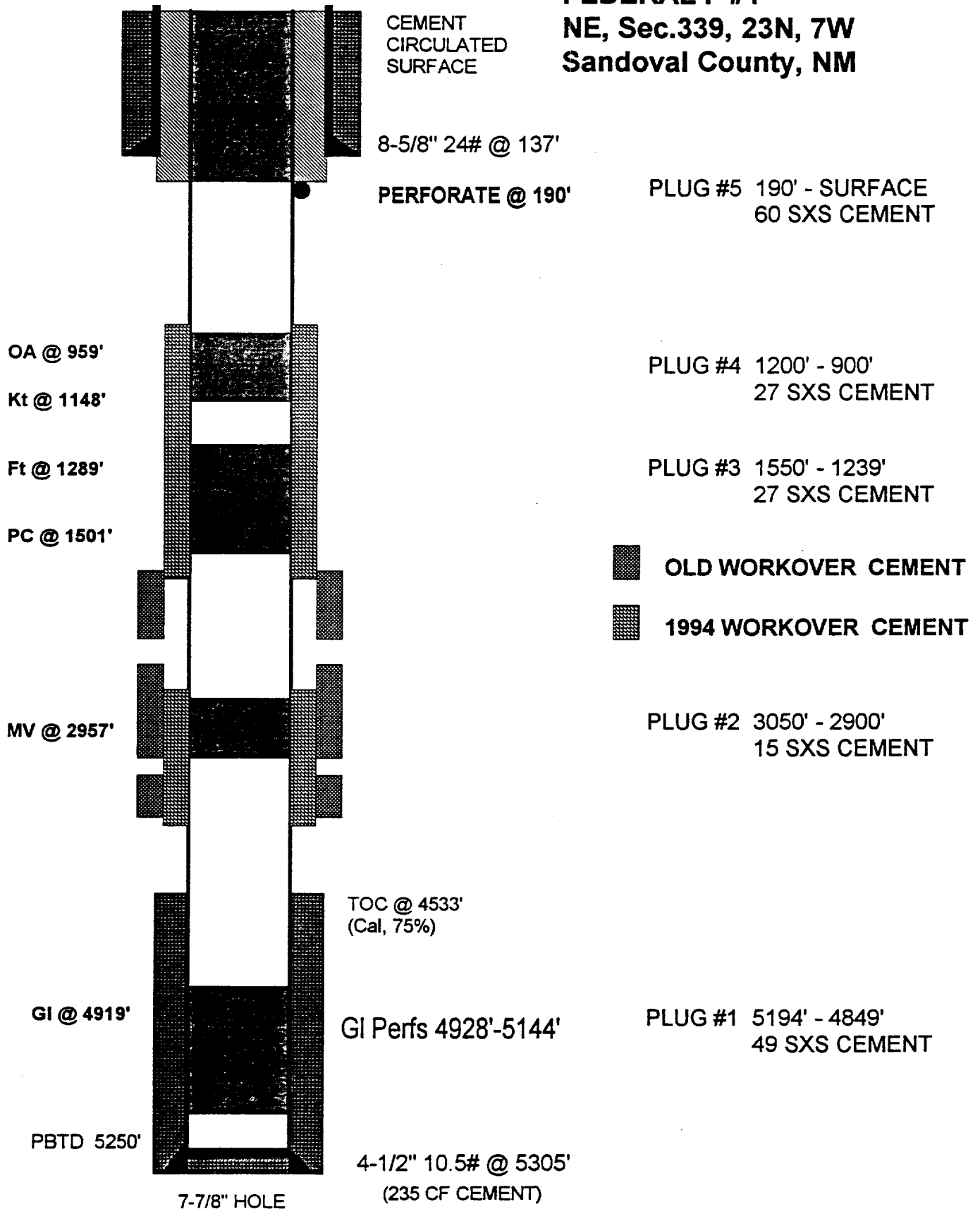
4-1/2" 10.5# @ 5305'
(235 CF CEMENT)

7-7/8" HOLE

**PROPOSED
PLUGGED WELL**

**BCO, INC.
FEDERAL I #1
NE, Sec.339, 23N, 7W
Sandoval County, NM**

13 MAY 94



IN REPLY REFER TO:
(07337)

UNITED STATES DEPARTMENT OF THE INTERIOR

BUREAU OF LAND MANAGEMENT
FARMINGTON DISTRICT OFFICE
1235 La Plata Highway
Farmington, New Mexico 87401

Attachment to Notice of

Re: Permanent Abandonment

Intention to Abandon

Well: 1 Federal I

CONDITIONS OF APPROVAL

1. Plugging operations authorized are subject to the attached "General Requirements for Permanent Abandonment of Wells on Federal and Indian Leases."
2. Mike Flaniken with the Farmington Office is to be notified at least 24 hours before the plugging operations commence (505) 599-8907.
3. The following modifications to your plugging program are to be made (when applicable):

1.) Perforate @ 1198', place a cement plug from 1198' to 909' inside & outside the casing plus 100% excess in the annulus and 50 linear feet excess inside the casing.

Office Hours: 7:45 a.m. to 4:30 p.m.