

Submit 1 Copy To Appropriate District
Office
District I - (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II - (575) 748-1283
811 S. First St., Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV - (505) 476-3460
1220 S. St. Francis Dr., Santa Fe, NM
87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
Revised July 18, 2013

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

WELL API NO.

30-045-32683

5. Indicate Type of Lease

STATE ☐ FEE ☒

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name

Barnes Gas Com D

8. Well Number

1S

9. OGRID Number

000778

10. Pool name or Wildcat

Basin Fruitland Coal

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

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

2. Name of Operator

BP America Production Company

OIL CONS. DIV DIST. 3

3. Address of Operator

737 North Eldridge Pkwy, 12.181A

Houston, TX 77079

SEP 06 2016

4. Well Location

Unit Letter **D** : **785** feet from the **North** line and **985** feet from the **West** line

Section **24**

Township **32N**

Range **11W**

NMPM

County **San Juan**

11. Elevation (Show whether DR, RKB, RT, GR, etc.)

6201'

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐

PLUG AND ABANDON ☒

TEMPORARILY ABANDON ☐

CHANGE PLANS ☐

PULL OR ALTER CASING ☐

MULTIPLE COMPL ☐

DOWNHOLE COMMINGLE ☐

CLOSED-LOOP SYSTEM ☒

OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐

ALTERING CASING ☐

COMMENCE DRILLING OPNS. ☐

P AND A ☐

CASING/CEMENT JOB ☐

OTHER: ☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

BP America Production Company respectfully requests to P&A the subject well.

**Notify NMOCD 24 hrs
prior to beginning
operations**

Please see the attached procedure.

Spud Date:

04/01/2005

Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE

Toya Colvin

TITLE **Regulatory Analyst**

DATE **08/31/2016**

Type or print name

Toya Colvin

E-mail address: **Toya.Colvin@bp.com**

PHONE: **281-892-5369**

For State Use Only

APPROVED BY:

Bob Bell

TITLE

**Deputy Oil & Gas Inspector,
District #3**

DATE **9/26/16**

Conditions of Approval (if any):

AY

August 31, 2016

NMOCD

BP would like to permanently abandon the Barnes B 21S well, as per the proposed procedure and wellbore sketches.

PLUG AND ABANDONMENT PROCEDURE

Barnes GC D 001S

Basin Fruitland Coal

785' FNL, 985' FWL, Section 24, T32N, R11W, San Juan County, NM

API #30-045-32683

Note: All cement volumes use 100% excess outside pipe and 50' excess inside. The stabilizing wellbore fluid will be 8.3 ppg, sufficient to balance all exposed formation pressures. All cement will be Class B, mixed at 15.6 ppg with a 1.18 cf/sx yield.

1. This project will use of a steel waste tank to contain waste fluids circulated from the well and cement wash up.
2. Install and test location rig anchors. Comply with all NMOCD, BLM, and Operator safety regulations. MOL and RU daylight pulling unit. Conduct safety meeting for all personnel on location. Record casing, tubing and bradenhead pressures. NU relief line and blow down well. Kill well with water as necessary and at least pump tubing capacity of water down the tubing. ND wellhead and NU BOP. Function test BOP.
3. Rods: Yes ☐ , No ☒ , Unknown ☐ .
Tubing: Yes ☒ , No ☐ , Unknown ☐ , Size 2-3/8" , Length 2862' .
Packer: Yes ☒ , No ☐ , Unknown ☐ , Type Weatherford Arrow Prod Packer .
If this well has rods or a packer, then modify the work sequence in step #2 as appropriate.
Round trip 7" gauge ring or casing scraper to 2590' or as deep as possible.
4. **Plug #1 (Fruitland Coal perforations and Fruitland top, 2590' – 2461')**: TIH and set 7" cement retainer at 2590'. Pressure test tubing to 1000#. Load casing with water and circulate well clean. Pressure test 7" casing to 800 PSI. *If casing does not test, then spot or tag subsequent plugs as appropriate.* Mix 35 sxs Class B cement and spot a plug above CR to isolate the Fruitland Coal perforations and cover the Fruitland top. PUH.
5. **Plug #2 (Kirtland and Ojo Alamo tops, 1437' – 1212')**: Mix 53 sxs cement and spot a balanced plug inside the casing to cover the Kirtland and Ojo Alamo tops. PUH.
6. **Plug #3 (9-5/8" Surface casing, 180' - Surface)**: Attempt to pressure test the bradenhead annulus to 300 PSI; note the volume to load. If the BH annulus holds pressure, then establish circulation out casing valve with water. Mix approximately 40 sxs cement and spot a balanced plug from 180' to surface, circulate good cement out casing valve. TOH and LD tubing. Shut well in and WOC. If the BH

annulus does not test, then perforate at the appropriate depth and attempt to circulate cement to surface filling the casing and annulus from the squeeze holes to surface. Shut in well and WOC.

7. ND BOP and cut off wellhead below surface casing flange. Install P&A marker with cement to comply with regulations. Record GPS coordinate for P&A marker on tower report. Photograph P&A marker in place. Cut off anchors and clean up location. Restore location per BLM stipulations.

Barnes GC D 001S

Proposed P&A Basin Fruitland Coal

785' FNL, 985' FWL, Section 24, T-32-N, R-11-W, San Juan County, NM

API #30-045-32683

Today's Date: 8/29/16

Spud: 4/1/05

Completion: 4/27/05

Elevation: 5889' KB

Ojo Alamo @ 1262'

Kirtland @ 1387'

Fruitland @ 2511'

13.5" hole

8-3/4" Hole

6-3/4" Hole

TD 2945'
PBD 2944'

TOC @ surface (circulated)

9-5/8", 32# H-40 Casing set @ 130'
Cement with 100 sxs, circulate to surface

Plug #3: 180' - 0'
Class B Cement, 40 sxs

Plug #2: 1437' - 1212'
Class B Cement, 53 sxs

Plug #1: 2590' - 2461'
Class B Cement, 35 sxs

Set CR @ 2590'

5.5" Liner Top at 2600'

7" 20# J-55 casing set at 2631'
Cement with 332 sxs

Fruitland Coal Perforations:
2661' - 2940'

5.5" 17# J-55 Hydrill 511 Casing set @ 2944'
uncemented liner