

Submit 3 Copies To Appropriate District Office
District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Ave., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
March 4, 2004

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

WELL API NO.

30-045-22497

5. Indicate Type of Lease

STATE ☐ FEE ☐

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name

Pritchard (Filed with BLM - Federal Lease SF -078487-A)

8. Well Number

4A

9. OGRID Number

000778

10. Pool name or Wildcat

Blanco Mesaverde & Pictured Cliffs

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEEN OR PLUG BACK 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

3. Address of Operator

P O Box 3092 Houston, TX 77253 Attn: Mary Corley Rm 19.171

4. Well Location

Unit Letter F : 1830 feet from the North line and 1705 feet from the West line

Section 31 Township 29N Range 08W NMPM San Juan County

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

6011' GL

Pit or Below-grade Tank Application (For pit or below-grade tank closures, a form C-144 must be attached)

Pit Location: UL F Sect 31 Twp 29N Rng 08W Pit type Workover Depth to Groundwater >100 Distance from nearest fresh water well >1000

Distance from nearest surface water >1000' Below-grade Tank Location UL Sect Twp Rng ;

+/- 1830 feet from the North line and +/- 1705 feet from the West line

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 COMPLETION ☐

OTHER: Recompletion & DHC - Pit Permit ☒

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐

COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐

CASING TEST AND 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 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

BP America Production Company request permission to recomplete the subject well into the Blanco Pictured Cliffs and commingle production Downhole with the existing Blanco Mesaverde as per the attached procedure.

DHC 1689 AZ

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☐, a general permit ☐ or an (attached) alternative OCD-approved plan ☐.

SIGNATURE Mary Corley TITLE Sr. Regulatory Analyst DATE 11/01/2004

Type or print name Mary Corley E-mail address: corleym@bp.com Telephone No. 281-366-4491

(This Space for State Use)

APPROVED BY [Signature] TITLE DEPUTY OIL & GAS INSPECTOR, DIST. 8 DATE NOV - 3 2004
Conditions of approval, if any: commingle only, recompletion must be on Federal Perm

Pritchard 4A

Downhole Commingling

The Blanco Mesaverde (72319) and Blanco Pictured Cliffs (72359) Pools are Pre-Approved Pools for Downhole Commingling per NMOCD order R-11363. The working and overriding royalty interest owners in the proposed commingled pools are identical, therefore no additional notification is required.

Production is proposed to be allocated based on the subtraction method using the projected future decline for production from the Mesaverde. That production shall serve as a base for production subtracted from the total production for the commingled well. The balance of the production will be attributed to the Pictured Cliffs. Attached is the future production decline estimates for the Mesaverde.

Commingling Production Downhole in the subject well from the proposed Pools with not reduce the value of the total remaining production.

PIT

Construct a lined workover pit per BP America – San Juan Basin Drilling/ Workover Pit Construction Plan issued date of 04/15/2004. Pit will be closed according to closure plan on file.

Pritchard 4 A
Recompletion and Downhole Commingle Procedure
October 28, 2004

Procedure:

1. Check anchors. Check ID wellhead, if earth pit is required have One Call made 48 hours prior to digging.
2. Check and record tubing, casing, and bradenhead pressures. Ensure production casing has double casing valves installed. Double valve all casing strings.
3. RU slickline unit or wireline unit. RIH and set **two** barriers (CIBP, tbg collar stop w/plug, or plug set in nipple) for isolation.
4. MIRU workover rig.
5. Blow down well. Kill with 2% KCL water ONLY if necessary. Check all casing strings to ensure no pressure exist on any annulus.
6. Nipple down Wellhead. NU BOPs and diversion spool with 3" outlets and 3" pipe to the blow tank. Pressure test BOPs to 200 psi above BHP. Monitor flowing casing pressure with gauge (with casing flowing to blow tank) throughout workover.
7. Pull tubing hanger and shut pipe rams and install stripping rubber.
8. TOH with 2-3/8" production tubing currently set at 4,822' using approved "Under Balance Well Control Tripping Procedure".

Contingency: *If the tubing is in poor condition, replace entire tubing string.*

9. TIH with bit and scraper for 7" casing to 2,800' with approved barriers. Check the distance between the top of the blind ram and the length of the bottom hole assembly that is being run. If the BHA is too long then the well has to be top killed and monitored prior to opening blind rams.
10. Set retrievable bridge plug w/ 10' of sand at +/- 2,700' to isolate Mesaverde and liner top. Ensure BP is not set in casing collar.
11. Load hole w/ 2% KCl and pressure test casing to 2,500 psi w/ rig pumps
12. RU E-line and run CBL from 2,700' to surface. Confirm that top of cement is above 2,000' – if not, contact engineer to discuss cement squeeze.
13. RIH with 3-1/8" casing guns (Lubricator required). Perforate Pictured Cliffs formation (correlate to GR log). RDWL and lubricator.

Pictured Cliffs perforations, 4 spf (15 shots/ 60 holes):

14. NU Wellhead Isolation tool Spearhead 500 gal 15% HCL, establish injection rate, and proceed with fracture stimulation according to Schlumberger schedule. Maintain surface pressures ≤ 3000 psi during frac job. Flush frac with foam. Fill out GWSI scorecard.
15. Remove Isolation Tool, Flowback frac immediately. Flow well through the 3" line and into the choke manifold until well dies or stabilizes.
16. Rig up air package/unit, pressure test all lines (Testing procedure to be supplied from air company), TIH with tubing and bit. Cleanout fill and pull bridge plug set at 2,700'.
17. TIH w/ bit and scraper for 4-1/2" casing. Cleanout fill to PBTB at 5,020'. Blow well dry at PBTB. Reference Under Balanced Well Control Tripping Procedure.
18. Rabbit tubing and RIH with 2-3/8" production tubing (with muleshoe, F-nipple with plug, 4 ft pup, X-nipple with plug).
19. Land 2-3/8" production tubing with hanger, lock down hanger at +/-4,875'.
20. Pressure test tubing to 500 psi with air unit, make sure tubing spool valves are open. Check all casing string for pressure.
21. ND BOP's. NU WH. Test well for air. Return well to production and downhole co-mingle Chacra, and Mesaverde.
22. RU WL unit. Run gauge ring for 2-3/8" tubing. Pull plugs and set tubing stop for plunger. RD slickline unit.

Pritchard 4 A

Sec 31, T29N, R8W

API # 30-045-22497

GL: 6011'

History:

Completed in MV in 7/77

9-5/8" 36# @ 225'

225 sxs cmt

circulated cement to surface

TOC unknown

TOL at 2817'

7" 23# @ 2949'

350 sxs cmt

TOC unknown

Tubing: 2-3/8" @ 4822'

4-1/2" @ 5075'

225 sxs cmt

PBTD: 5020'

TD: 5075'

Mesaverde Perforations

4119' - 4545' w/ 86,750 #'s sand

4665' - 4921' w/ 100,000 #'s sand

Formation tops: Pictured Cliffs 2450
 Lewis Shale 2580
 Cliff House 4116
 Menefee 4218
 Point Lookout 4662

updated: 8/25/04 CFR