

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB NO. 1004-0135
Expires: November 30, 2000**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.
SF-078487-A

6. If Indian, Allottee or Tribe Name

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

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other8. Well Name and No.
PRITCHARD 4A

2. Name of Operator

BP AMERICA PRODUCTION COMPANY

Contact:

MARY CORLEY

E-Mail: CORLEYML@BP.COM

9. API Well No.

30-045-22497

3a. Address

HOUSTON, TX 77253

3b. Phone No. (include area code)

Ph: 281-366-4491

10. Field and Pool, or Exploratory
BLANCO MV & PC

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

Sec 31 T29N R8W SENW 1830FNL 1705FWL

11. County or Parish, and State

SAN JUAN COUNTY, NM

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 type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Subsurface Commingling
	<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 recompletable 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 recompletable 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.)

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

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

CONDITIONS OF APPROVAL

Adhere to previously issued stipulations.

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

Electronic Submission #50583 verified by the BLM Well Information System
For BP AMERICA PRODUCTION COMPANY, sent to the Farmington
Committed to AFMSS for processing by MATTHEW HALBERT on 12/03/2004 ()

Name (Printed/Typed) MARY CORLEY

Title AUTHORIZED REPRESENTATIVE

Signature (Electronic Submission)

Date 11/01/2004

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

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

NMOCD

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.

**** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ****

Additional data for EC transaction #50583 that would not fit on the form

32. Additional remarks, continued

Mesaverde.

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

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 bind 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 PBTD at 5,020'. Blow well dry at PBTD. 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

District I
1625 N. French Dr., Hobbs, NM 88240

District II
811 South First, Artesia, NM 88210

District III
1000 Rio Brazos Rd., Aztec, NM 87410

District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Form C-102
Revised August 15, 2000

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-22497	² Pool Code 72359	³ Pool Name Blanco Pictured Cliffs
⁴ Property Code 000959	⁵ Property Name Pritchard	⁶ Well Number 4A
⁷ OGRID No. 000778	⁸ Operator Name BP America Production Company	⁹ Elevation 6011' GR

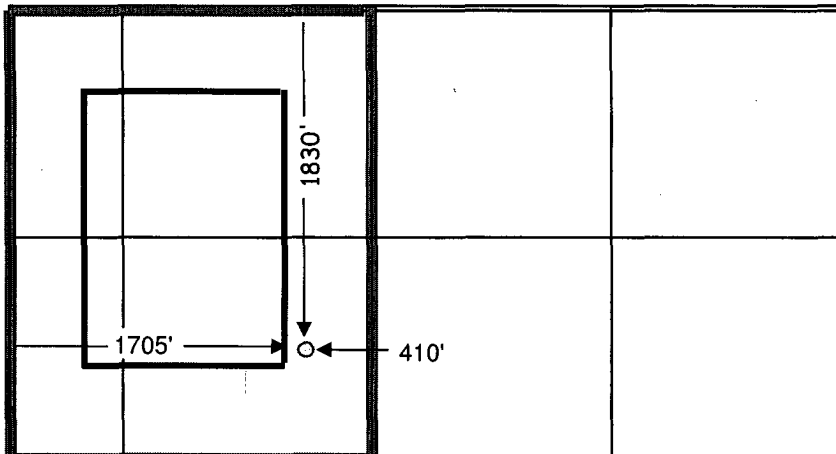
¹⁰ Surface Location

UL or lot no. Unit F	Section 31	Township 29N	Range 08W	Lot Idn	Feet from 1830	North/South North	Feet from 1705	East/West West	County San Juan
--------------------------------	----------------------	------------------------	---------------------	---------	--------------------------	-----------------------------	--------------------------	--------------------------	---------------------------

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from	North/South	Feet	East/West	County
¹² Dedicated Acres 120.49	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.						

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

	¹⁷ OPERATOR CERTIFICATION <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</i> <i>Mary Corley</i>
	Signature Mary Corley
	Printed Name Sr. Regulatory Analyst
	Title 11/01/2004
	¹⁸ SURVEYOR CERTIFICATION <i>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.</i> 2/6/1977
	Date of Survey
	Signature and Seal of Professional Surveyor: James P Leese 1463
	Certificate Number

Pritchard 4A Future Production Decline Estimate Mesaverde Daily Rates

11/1/2004

$$\ln(Q_i/Q_j) = -dt$$

$$Q_f = 149$$

$$Q_i = 155$$

$$\text{rate} = 149$$

$$\text{time} = 6$$

$$dt = -0.039478811$$

$$\text{decline} = -0.980390473$$

Month	Gas Volume
Jan-2003	21
Feb-2003	78
Mar-2003	148
Apr-2003	132
May-2003	118
Jun-2003	134
Jul-2003	147
Aug-2003	137
Sep-2003	144
Oct-2003	136
Nov-2003	132
Dec-2003	103
Jan-2004	87
Feb-2004	155
Mar-2004	146
Apr-2004	135
May-2004	107
Jun-2004	135
Jul-2004	149
Aug-2004	148
Sep-2004	147
Oct-2004	146
Nov-2004	145
Dec-2004	144
Jan-2005	143
Feb-2005	142
Mar-2005	141
Apr-2005	140
May-2005	139
Jun-2005	138
Jul-2005	137
Aug-2005	136
Sep-2005	135
Oct-2005	134
Nov-2005	133
Dec-2005	132

Month	Gas Volume
Jan-2006	131
Feb-2006	130
Mar-2006	129
Apr-2006	128
May-2006	127
Jun-2006	126
Jul-2006	125
Aug-2006	124
Sep-2006	124
Oct-2006	123
Nov-2006	122
Dec-2006	121
Jan-2007	120
Feb-2007	119
Mar-2007	118
Apr-2007	117
May-2007	116
Jun-2007	115
Jul-2007	114
Aug-2007	113
Sep-2007	112
Oct-2007	111
Nov-2007	110
Dec-2007	109
Jan-2008	108
Feb-2008	107
Mar-2008	106
Apr-2008	105
May-2008	104
Jun-2008	103
Jul-2008	102
Aug-2008	101
Sep-2008	100
Oct-2008	99
Nov-2008	98
Dec-2008	97

Month	Gas Volume
Feb-2009	96
Mar-2009	95
Apr-2009	94
May-2009	93
Jun-2009	92
Jul-2009	91
Aug-2009	90
Sep-2009	89
Oct-2009	88
Nov-2009	87
Dec-2009	86
Jan-2010	85
Feb-2010	84
Mar-2010	83
Apr-2010	82
May-2010	81
Jun-2010	80
Jul-2010	79
Aug-2010	78
Sep-2010	77
Oct-2010	76
Nov-2010	75
Dec-2010	74
Jan-2011	74
Feb-2011	73
Mar-2011	72
Apr-2011	71
May-2011	70
Jun-2011	69
Jul-2011	68
Aug-2011	67
Sep-2011	66
Oct-2011	65
Nov-2011	64
Dec-2011	63
Jan-2012	62

Pritchard 4A Future Production Decline Estimate **Mesaverde Daily Rates**

11/1/2004

Month	Gas Volume
Feb-2012	61
Mar-2012	60
Apr-2012	59
May-2012	58
Jun-2012	57
Jul-2012	56
Aug-2012	55
Sep-2012	54
Oct-2012	53
Nov-2012	52
Dec-2012	51
Jan-2013	50
Feb-2013	49
Mar-2013	48
Apr-2013	47
May-2013	46
Jun-2013	45
Jul-2013	44
Aug-2013	43
Sep-2013	42
Oct-2013	41
Nov-2013	40
Dec-2013	39
Jan-2014	38
Feb-2014	37
Mar-2014	36
Apr-2014	35
May-2014	34
Jun-2014	33
Jul-2014	32
Aug-2014	31
Sep-2014	30
Oct-2014	29
Nov-2014	28
Dec-2014	27
Jan-2015	26

Month	Gas Volume
Feb-2015	25
Mar-2015	24
Apr-2015	24
May-2015	23
Jun-2015	22
Jul-2015	21
Aug-2015	20
Sep-2015	19
Oct-2015	18
Nov-2015	17
Dec-2015	16
Jan-2016	15
Feb-2016	14
Mar-2016	13
Apr-2016	12
May-2016	11
Jun-2016	10
Jul-2016	9
Aug-2016	8
Sep-2016	7
Oct-2016	6
Nov-2016	5
Dec-2016	4
Jan-2017	3
Feb-2017	2
Mar-2017	1
Apr-2017	0
May-2017	0
Jun-2017	0
Jul-2017	0
Aug-2017	0
Sep-2017	0
Oct-2017	0
Nov-2017	0
Dec-2017	0
Jan-2018	0