Form 3160-5 (August 1999)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANGEMENT

SUNDOV NOTICES AND REPORTS ON WELLS

FORM APPROVED

	OMB	No.	1004-01	3
vnima '	Navambar 20, 200	n		

5.	Lease Serial No.	_
	SF - 078487-A	
6.	If Indian, Allottee or tribe Name	_

	TICES AND REPORTS ON WELF			SF - 078	1487-Δ
-	for proposals to drill or to re-enter an B 160-3 (APD) for such proposals	Abandoned well	l. Use	If Indian, Allottee or to	
roim S	1100-3 (Ar D) for such proposus			,	
SUBMIT IN TRIPLIC	CATE – Other instructions or	ı reverse side	7.	Unit or CA/Agreement	, Name and/or No.
1. Type of Well		O O O O O O O O O O O O O O O O O O O	8.	Well Name and No.	
Oil Well X Gas Well	Other	10 9 M)	723	Pritcha	rd 3A
2. Name of Operator	/×	14. 2	(P) 9.	API Well No.	
BP America Production Company	Attn: Mary Corley	AY 200		30-045-	
3a. Address	3b. Phone No. (include		. ∷ા∢	Field and Pool, or Expl	
P.O. Box 3092 Houston, TX 772		66-4491			tero CH & Basin FC
4. Location of Well (Footage, Sec., T.,	R., M., or Survey Description)		' , 3 11.	County or Parish, State	
1000' FSL	& 800' FEL Sec 31 T29N R08W	2) /20 - 3	12 M	San Juan Coun	ty, New Mexico
12 CHECK	APPROPRIATE BOX(ES) TO INDICATE	E NATIONAL TO	TICE REPOR	T, OR OTHER DATA	
	AT ROTRIATE BOX(ES) TO INDICATE			1, OR OTHER DATA	
TYPE OF SUBMISSION	<u> П</u>	TYPE	OF ACTION		
Notice of Intent	Acidize Deepen		Production (Sta	art/Resume)	☐ Water shut-Off
Subsequent Report	Alter Casing Fracture T	_	Reclamation		Well Integrity
Final Abandonment Notice	Casing Repair New Cons		Recomplete		☐ Abandon
	☐ Change Plans ☐ Plug and A☐ Injection ☐ Plug Back		Water Disposa Other	Downhole (N
Pools and commingle product The working and overriding ro is required. Proposed Production Allocation Mesaverde is currently product then test all 4 intervals together. Commingling Production Dow	any request permission to complet ion Downhole with the existing Black yalty interest owners in the proposion: Pictured Cliffs production will being intermittently, therefore it is outer to determine the Mesaverde rate withole in the subject well from the proposition of the prop	nco Mesaverde sed commingled se allocated base or intent to test to proposed Pools	& Pictured Compools are idea and on its declar and the Fruitland with not redu	liffs Pools as per the entical, therefore no line factor – copy at Coal and Chacra Po ace the value of the	e attached procedure. additional notification tached. The tached independently;
- UNIC		TIONS OF A	PPROVAL d stipulations		
14. I hereby certify that the foregoing is	s true and correct	usiy issue	~ anhnianous	•	
Name (Printed/typed)	Mary Corley	Title		Senior Regulatory	Analyst
200 1	1			<u></u>	ئم
Signature May Con	lew	Date		4/13/2005	<u> </u>
	THIS SPACE FOR FEDER	AL OR STATE	OFFICE US	E 34. 270	
Approved by Original Signed	: Stephen Mason	Title	<u> </u>	Date E	MAY 0 9 2005
that the applicant holds legal or equitable title to	•			3 B	
entitle the applicant to conduct operations there Title 18 U.S.C. Section 1001 and Title 4	on. 3 U.S.C. Section 1212, make it a crime for	Office	naly and willful		
United States any false, fictitious or fraud				iy to make to any depar	UTI

District 1

1625 N. French Dr., Hobbs, NM 88240

District II

811 South First, Artesia, NM 88210

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

Submit to Appropriate District Office

State Lease - 4 Copies Fee Lease - 3 Copies

Revised August 15, 2000

Form C-102

AMENDED REPORT

2040 South Pacheco Santa Fe, NM 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number	² Pool Code	³ Pool Name
30-045-22345	82329	Otero Chacra
Property Code 000959	⁵ Property Name Pritchard	⁶ Well Number 3A
⁷ OGRID No.	⁸ Operator Name	° Elevation
000778	BP America Production Com	pany 5853'

¹⁰ Surface Location

					Surface I	Location			
UL or lot no. Unit P	Section 31	Township 29N	Range 08W	Lot Idn	Feet from 1000	North/South South	Feet from 800	East/West East	County San Juan
			11 Botto	m Hole l	Location If	Different l	rom Sur	face	
UL or lot no.	Section	Township	Range	Lot ldn	Feet from	North/South	Feet	East/West	County
12 Dedicate		13 Joint o	r Infill		¹⁴ Consolidation (Code		15 Or	der No.

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A

NON-STANDA	ARD UNIT HAS BEEN	APPROVED BY THE	DIVISION
			OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. Signature Mary Corley
			Printed Name Sr. Regulatory Analyst Title 4/15/2005 Date
			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. 2/14/1977
		0 ← 800' -	Date of Survey Signature and Seal of Professional Surveyor: James P Leeae 1463 Certificate Number

District I

1625 N. French Dr., Hobbs, NM 88240

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

Form C-102 Revised August 15, 2000

OIL CONSERVATION DIVISION

2040 South Pacheco Santa Fe, NM 87505 Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

3(¹ API Number 0-045-2234			Code 529				Pool Name ruitland Coal	
⁴ Propert 0009	- 1				⁵ Property Nan Pritchard				⁶ Well Number 3A
⁷ OGRI 0007	- '			BP Ameri	⁸ Operator Nan ca Productio	ne on Company			⁹ Elevation 5853'
					Surface I	Location			
UL or lot no. Unit P	Section 31	Township 29N	Range 08W	Lot Idn	Feet from 1000	North/South South	Feet from 800	East/West East	County San Juan

Bottom Hole Location If Different From Surface Lot Idn UL or lot no. Section Township Range Feet from North/South East/West County ¹⁵ Order No. 12 Dedicated Acres ¹³ Joint or Infill 14 Consolidation Code 320

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A

NON-STANDA	RD UNIT HAS BEEN A	PPROVED BY THE	DIVISION
	Largo 31B 18 API 30-045-28659 1149' FNL & 1519' FEL		17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.
			Mary Corley Printed Name Sr. Regulatory Analyst
			4/15/2005 Date 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. 2/14/1977 Date of Survey
		○ 	Signature and Seal of Professional Surveyor:
		, OUO	James P Leeae 1463 Certificate Number

Pritchard 3 A

Procedure to Complete into the Chacra & the Fruitland Coal & DHC with the Pictured Cliffs & Mesaverde March 30, 2005

- 1. Perform pre-rig site inspection. Check for: size of location, Gas Taps, other wells, other operators, running equipment, wetlands, wash (dikes req.), H2S, barriers needed for equipment, Landowner issues, location of pits (buried lines in pits), Raptor nesting, critical location, check anchors. Check ID wellhead, if earth pit is required have One Call made 48 hours prior to digging.
- 2. Perform second site visit after lines are marked to ensure all lines clear marked pit locations. Planning and Scheduling to ready location for rig.
- 3. RU slickline unit or wireline unit. Pressure test lubricator and equipment. RIH and set **two** barriers (CIBP, tbg collar stop w/plug, or plug set in nipple) for isolation in tubing strings.
- 4. Check and record tubing, casing, and bradenhead pressures. Ensure production casing has double casing valves installed. Double valve all casing strings.
- 5. MIRU workover rig. LO/TO all necessary equipment including but not limited to: meter run, Automation, Separators and water lines.
- 6. Blow down well. Kill with 2% KCL water ONLY if necessary.
- 7. Check all casing strings to ensure no pressure exist on any annulus. The operations of removal of wellhead and installation of BOP's will be performed under a dispensation for one (1) barrier on the backside.
- 8. 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.
- 9. Install stripping rubber.
- 10. TOH and LD 1-1/4" production tubing currently set at 2,335'. Using approved "Under Balance Well Control Tripping Procedure".
- 11. TOH w/ packer and 2-3/8" production tubing currently set at 4695'. Using approved "Under Balance Well Control Tripping Procedure".
- 12. TIH w/ scraper for 4-1/2". Check the distance between the top of the blind rams 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. RIH to PBTD at 4,770'. POOH.
- 13. Set bridge plug at 3,900'. Fill casing to PC w/ 2%KCl.
- 14. RU E-line equipment. Pressure test lubricator and equipment. Log well w/ CBL from PBTD to TOL. If TOC is below Chacra, contact engineer to discuss need for remedial cement squeeze.

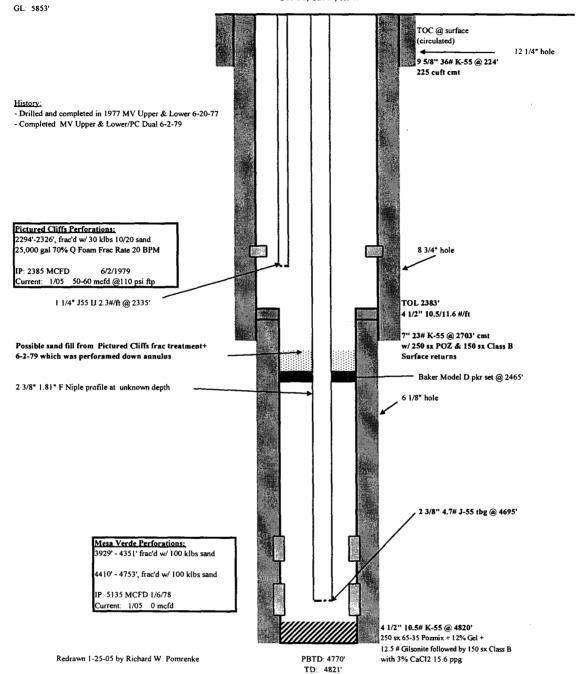
- 15. TIH w/ workstring and blow well dry.
- 16. Prepare for explosive operations. Follow Schlumberger Explosive SOP including radio silence, suspension of welding operations, and isolation of electrical devices from the work area. Perform Pre-job Safety Meeting to review JSA and procedures.
- 17. RIH with 3-1/8" casing guns w/lubricator. Perforate Chacra formation w/ 4 SPF.
- 18. RIH w/ packer and 3-1/2" by 2-7/8" frac string. Set packer at 2,450'.
- 19. Install and monitor production casing and treating pressure during entire job in frac van via pressure transducers on production casing and treating line. Spearhead 500 gal 15% HCL, establish injection rate, and proceed with fracture stimulation according to Schlumberger schedule. Maintain surface pressures, less than 5,000 psi during frac job. Flush frac with foam.
- 20. Flowback frac immediately. Flow well through choke manifold on ¼", ½" and ¾" chokes increasing drawdown until well dies or stabilizes. This is to aid in reducing sand flowback. Recommend 8 hours of flow for each choke size.
- 21. Rig up air package/unit, pressure test all lines (Testing procedure to be supplied from air company), TIH with tubing and bit for 4-1/2" casing. Cleanout fill to top of BP set at 3,900'. Perform well test on Chacra for regulatory and document well test in DIMS.
- 22. Set bridge plug at 2,280'
- 23. RIH with 3-1/8" casing guns w/lubricator. Perforate Fruitland Coal formation w/ 4 SPF.
- 24. Install and monitor production casing and treating pressure during entire job in frac van via pressure transducers on production casing and treating line. Spearhead 500 gal 15% HCL, establish injection rate, and proceed with fracture stimulation according to Schlumberger schedule. Maintain surface pressures, less than 3,000 psi during frac job. Flush frac with foam.
- 25. Flowback frac immediately. Flow well through choke manifold on ¼", ½" and ¾" chokes increasing drawdown until well dies or stabilizes. This is to aid in reducing sand flowback. Recommend 8 hours of flow for each choke size.
- 26. Rig up air package/unit, pressure test all lines (Testing procedure to be supplied from air company), TIH with tubing and bit for 7" casing. Cleanout fill to top of BP set at 2,280'. Perform well test on Fruitland Coal for regulatory and document well test in DIMS.
- 27. Cleanout fill and BP's set at 2,280' and 3,900'. Cleanout to PBTD at 4,770'. Blow well dry.
- 28. Rabbit tubing and RIH with 2-3/8" production tubing (with muleshoe, F-nipple with plug, 4 ft pup, X-nipple with plug).
- 29. Land 2-3/8" production tubing at +/-4,700'. Lock down hanger.
- 30. Pressure test tubing to 500 psi with air unit, make sure tubing spool valves are open. Care should be taken during pressure testing of the tubing due to potential problem caused if

tubing parts close to surface or above the hanger. Check all casing string for pressure. The operations of removal of wellhead and installation of BOP's will be performed under a dispensation for one (1) barrier on the backside.

- 31. ND BOP's. NU Wellhead. During Master valve placement ensure the top of hanger has spacer nipple in place to bottom of bonnet flange so plunger equipment will not hang up through tree. Pressure test Wellhead.
- 32. RU WL unit. Run gauge ring for 2-3/8" tubing. Pull plugs and set tubing stop for plunger. Communicate plunger equipment status to IC room personnel.
- 33. RD slickline unit.
- 34. Test well for air. Return well to production and downhole quad-mingle FT, PC, Chacra and Mesaverde.

Pritchard 3A API # 300452234500

Sec 31, T29N, R8W



Pritchard 3A Future Production Decline Estimate

Pictured Cliffs

Daily Rates

Gas Volume

Jan-2004

Mar-2004

Apr-2004

Feb-2004

Gas Volume

Month

Feb-2010 Mar-2010 Apr-2010

May-2010 Jun-2010 Jul-2010 Aug-2010 Sep-2010

# †	53	54	53	2	-0.018692133	-0.002670305
In(Qf/Qi)	Of=	<u>≓</u> Ö	rate=	time=	dt=	decline=

Jul-2004 Aug-2004 Sep-2004 Oct-2004

Jan-2005 Feb-2005 Mar-2005 Apr-2005

May-2005 Jun-2005 Jul-2005

Nov-2004 Dec-2004

May-2004 Jun-2004

e e	2	71	71	71	7.1	7.1	7.1	2	2	2	2	2	69	69	69	<u></u>	68	88	88	88	89	89	89	67	67	29	67	67	29	99	99	99	99	99	65	65
Gas Volum																																				
Month	Jan-2007	Feb-2007	Mar-2007	Apr-2007	May-2007	Jun-2007	Jul-2007	Aug-2007	Sep-2007	Oct-2007	Nov-2007	Dec-2007	Jan-2008	Feb-2008	Mar-2008	Apr-2008	May-2008	Jul-2008	Aug-2008	Sep-2008	Oct-2008	Nov-2008	Dec-2008	Jan-2009	Feb-2009	Mar-2009	Apr-2009	May-2009	Jun-2009	Jul-2009	Aug-2009	Sep-2009	Oct-2009	Nov-2009	Dec-2009	Jan-2010

Jan-2011 Feb-2011 Mar-2011

Nov-2010 Dec-2010

Oct-2010

Apr-2011 May-2011

Jun-2011 Jul-2011

Sep-2011 Oct-2011 Nov-2011

Aug-2011

200000

Apr-2012 May-2012 Jun-2012 Jul-2012

Aug-2012 Sep-2012

Oct-2012

Nov-2012

61 61

Dec-2011 Jan-2012 Feb-2012 Mar-2012

Aug-2005 Sep-2005 Oct-2005 Nov-2005 Dec-2005

Jan-2006 Feb-2006 Mar-2006 Apr-2006

May-2006

Jun-2006 Jul-2006 Aug-2006 Sep-2006

Oct-2006 Nov-2006 Dec-2006

2020

Dec-2012 Jan-2013

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Pritchard 3A Future Production Decline Estimate Pictured Cliffs Daily Rates

Month	Gas Volume
Feb-2016	54
 Mar-2016	24
Apr-2016	23
-201	23
Jun-2016	23
Jul-2016	23
Aug-2016	23
Sep-2016	23
Oct-2016	23
Nov-2016	25
Dec-2016	25
Jan-2017	25
Feb-2017	52
Mar-2017	25
Apr-2017	25
May-2017	55
Jun-2017	51
Jul-2017	51
Aug-2017	51
Sep-2017	19
Oct-2017	51
Nov-2017	51
Dec-2017	51
Jan-2018	51
-201	50
-201	50
-201	20
-201	20
-201	20
Jul-2018	20
3-201	50
Sep-2018	49
Oct-2018	49
 Nov-2018	49
Dec-2018	49
120,2010	07

"<u>District I</u> 1625 N. French Drive, Hobbs, NM 88240

2000 District II

811 South First Street, Artesia, NM 88210

<u>District III</u> 1000 Rio Brazos Road, Aztec, NM 87410

Pools District IV

2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico Energy, Minerals and Natural Resources Department

Form C-107A Revised May 15,

OIL CONSERVATION DIVISION

2040 South Pacheco Santa Fe, New Mexico 87505

APPLICATION TYPE X Single Well
Establish Pre-Approved

EXISTING WELLBORE

APPLICATION FOR DOWNHOLE COMMINGLING

X Yes No

BP America Production Company P. O. Box 3092 Houston, TX 77253					
Operator Pritchard		ddress Section 31 T29N, R08W	San Juan		
Lease	Well No. Unit Letter	-Section-Township-Range	County		
OGRID No. <u>000//8</u> Property	Code <u>000959</u> API No. <u>30-04</u>	15-22345 Lease Type: X I	Federal State Fee		
DATA ELEMENT	UPPER ZONE	INTERMEDIATE ZONE	LOWER ZONE		
Pool Name	Blanco Pictured Cliffs	Otero Chacra	Blanco Mesaverde		
Pool Code	72359	82329	72319		
Top & Bottom of Pay Section (Perforated or Open-Hole Interval)	2294' – 2326'	TBD	4054' – 4716'		
Method of Production (Flowing or Artificial Lift)	Artificial Lift	Flowing	Artificial Lift		
Bottomhole Pressure	430	430	480		
Oil Gravity or Gas BTU (Degree API or Gas BTU)	950	1230	950		
Producing, Shut-In or					
New Zone	Producing	New Zone	Producing		
Date and Oil/Gas/Water Rates	Date:	Date:	Date:		
of Last Production.	Rates:	Rates:	Rates:		
Fixed Allocation Percentage	Oil Gas %	Oil Gas %	Oil Gas		
	70 70	70 70	70 70		
APDITIONAL DATA Are all working, royalty and overriding royalty interests identical in all commingled zones? If not, have all working, royalty and overriding royalty interest owners been notified by certified mail? Are all produced fluids from all commingled zones compatible with each other? Will commingling decrease the value of production? YesNo YesNo YesNo YesNo YesNo No No NMOCD Reference Case No. applicable to this well:					
Attachments: C-102 for each zone to be commingled showing its spacing unit and acreage dedication. Production curve for each zone for at least one year. (If not available, attach explanation.) For zones with no production history, estimated production rates and supporting data. Data to support allocation method or formula. Notification list of working, royalty and overriding royalty interests for uncommon interest cases. Any additional statements, data or documents required to support commingling.					
PRE-APPROVED POOLS					
If application is to establish Pre-Approved Pools, the following additional information will be required:					
List of other orders approving downhole commingling within the proposed Pre-Approved Pools List of all operators within the proposed Pre-Approved Pools Proof that all operators within the proposed Pre-Approved Pools were provided notice of this application. Bottomhole pressure data.					
I hereby certify that the information above is true and complete to the best of my knowledge and belief.					
SIGNATURE May Silly TITLE Sr. Regulatory Analyst DATE 04/15/2005					
TYPE OR PRINT NAME		TELEPHONE NO. (281) 366-4491		

*District_I 1625 N. French Drive, Hobbs, NM 88240

State of New Mexico

Form C-107A Revised May 15,

2000

District II

811 South First Street, Artesia, NM 88210

District III 1000 Rio Brazos Road, Aztec, NM 87410

Pools District IV

Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

2040 South Pacheco

Santa Fe, New Mexico 87505

APPLICATION TYPE X Single Well ___ Establish Pre-Approved

2040 South Pacheco, Santa Fe, NM 87505 APPLICATION FOR DOWNHOLE COMMINGLING X Yes No					
BP America Production Company P. O. Box 3092 Houston, TX 77253					
Operator Pritchard	3A Unit P	Address P Section 31 T29N, R08W	San Juan		
Lease Well No. Unit Letter-Section-Township-Range County OGRID No. 000778 Property Code 000959 API No. 30-045-22345 Lease Type: X Federal State Fee					
DATA ELEMENT	UPPER MOST ZONE				
Pool Name	Basin Fruitland Coal				
Pool Code	71629				
Top & Bottom of Pay Section (Perforated or Open-Hole Interval)	TBD				
Method of Production	Flowing	,			
(Flowing or Artificial Lift) Bottomhole Pressure	430				
Oil Gravity or Gas BTU (Degree API or Gas BTU)	1230				
Producing, Shut-In or New Zone	Now Zono				
Date and Oil/Gas/Water Rates of Last Production.	New Zone Date: Rates:	Date: Rates:	Date: Rates:		
Fixed Allocation Percentage	Oil Gas	Oil Gas %	Oil Gas		
ADDITIONAL DATA					
Are all working, royalty and overriding royalty interests identical in all commingled zones? Yes X No If not, have all working, royalty and overriding royalty interest owners been notified by certified mail? Yes No					
Are all produced fluids from all commingled zones compatible with each other? Yes X No					
Will commingling decrease the value of production?					
Yes NoX					
If this well is on, or communitized with, state or federal lands, has either the Commissioner of Public Lands or the United States Bureau of Land Management been notified in writing of this application? Yes No					
NMOCD Reference Case No. applicable to this well:					
Attachments: C-102 for each zone to be commingled showing its spacing unit and acreage dedication. Production curve for each zone for at least one year. (If not available, attach explanation.) For zones with no production history, estimated production rates and supporting data. Data to support allocation method or formula. Notification list of working, royalty and overriding royalty interests for uncommon interest cases. Any additional statements, data or documents required to support commingling.					
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I hereby certify that the information above is true and complete to the best of my knowledge and belief.					
SIGNATURE MILY TITLE Sr. Regulatory Analyst DATE 04/15/2005					
TYPE OR PRINT NAME	Mary Corley	TELEPHONE NO. (281) 366-4491		