Form 3160-5. (August 1999)

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UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM 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. NMNM012200 6. If Indian, Allottee or Tribe Name	
abandoned wer					
SUBMIT IN TRII	7. If Unit or CA/Agree	ement, Name and/or No.			
Type of Well ☐ Oil Well ☐ Gas Well ☐ Oth	er			8. Well Name and No. DRYDEN LS 3	
2. Name of Operator BP AMERICA PRODUCTION	COntact:	MARY CORLEY E-Mail: corleyml@bp.com	1	9. API Well No. 30-045-07244-0	0-D1
P. O. BOX 3092 Ph		3b. Phone No. (include at Ph: 281.366.4491 Fx: 281.366.0700	ea code)	10. Field and Pool, or Exploratory BLANCO MV/ PC OTERO CHACRA	
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 21 T28N R8W SWSW 0990FSL 0990FWL 36.64221 N Lat, 107.69133 W Lon			M 2004	11. County or Parish, SAN JUAN CO	
12. CHECK APPI	ROPRIATE BOX(ES) TO	O INDICATE NATUR	E OF NOTICE, R	EPORT, OR OTHE	R DATA
TYPE OF SUBMISSION		T	YPE OF ACTION		
Notice of Intent	Acidize	Deepen	Produc	tion (Start/Resume)	☐ Water Shut-Off
_	☐ Alter Casing	☐ Fracture Treat	□ Reclam	ation	■ Well Integrity
Subsequent Report	Casing Repair	□ New Construct	tion Recomp	olete	Other
Final Abandonment Notice	Change Plans	Plug and Aban	don	rarily Abandon	Subsurface Comming ng
	☐ Convert to Injection	Plug Back	☐ Water I	Disposal	
If the proposal is to deepen direction: Attach the Bond under which the wo following completion of the involved testing has been completed. Final Al determined that the site is ready for f BP America Production Comp and trimingle production dowr Mesaverde Pools as per the a The interest owners are identi is required prior to downhole of Production is proposed to be	rk will be performed or provide operations. If the operation repandonment Notices shall be fixed in the performance of the perf	e the Bond No. on file with E esults in a multiple completion led only after all requirement to complete the subject anco South Pictured Cli Pools, therefore, no ad	BLM/BIA. Required so no recompletion in a si, including reclamation well into the Oteroffs and Blanco ditional notification in the projected fut.	ibsequent reports shall be new interval, a Form 316 on, have been completed, o Chacra	filed within 30 days 60-4 shall be filed once and the operator has
decline for production from the as a base for production subtrof the production will be attribestimates for the Pictured Clif	uted to the Chacia. Atta	ched are the future pro-	led well. The bala duction declines to	TIONS OF APP Ince previously issued st	ROVAL ipulations,
	Electronic Submission For BP AMERIC itted to AFMSS for proces	A PRODUCTION ČO, sei ssing by MATTHEW HAL!	nt to the Farmingto BERT on 12/16/2003	n 3 (04MXH0048SE)	
Name (Printed/Typed) MARY CC	PRLEY	Title A	AUTHORIZED REF	PRESENTATIVE	
Signature (Electronic S			1/18/2003		
	THIS SPACE F	OR FEDERAL OR S	TATE OFFICE U	SE	
Approved By	forals	Title	Petr, Cn		12/31/03 Date
Conditions of approval, if any, are attached certify that the applicant holds legal or equinch would entitle the applicant to conditions.	uitable title to those rights in thuct operations thereon.	ne subject lease Office	NMOC		
Title 18 U.S.C. Section 1001 and Title 43 States any false, fictitious or fraudulent	U.S.C. Section 1212, make it statements or representations a	a crime for any person know s to any matter within its jur	ingly and willfully to risdiction.	nake to any department o	r agency of the United

Aýditional data for EC transaction #25255 that would not fit on the form

32. Additional remarks, continued

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

Dryden LS 3 API #: 30-045-07244

Frac Menefee, Add ChacraCompletion, and Trimingle Production

Procedure:

- 1. Check anchors. MIRU workover rig.
- 2. Check and record tubing, casing, and bradenhead pressures.
- 3. Blow down well. Kill with 2% KCL water ONLY if necessary.
- 4. Nipple down WH. NU BOPs and diversion spool with 3" outlets and 3" pipe to the blow tank. Pressure test BOPs to 500 psi. Monitor flowing casing pressure with gauge (with casing flowing to blow tank) throughout workover.
- 5. RU slickline unit or wireline unit. RIH and set plugs (CIBP, tbg collar stop, or plug set in nipple) for isolation.
- 6. Tally OH with both strings and packer. Visually inspect tbg while POOH.

<u>Contingency:</u> If the 2-3/8" tubing is in poor condition, replace entire tubing string.

- 7. RIH w/ bit and scraper for 5-1/2" casing to PBTD at 4602'.
- 8. RIH with 5-1/2" CIBP and set at 4400'.
- 9. RIH with 3-1/8" casing guns. Perforate Menefee formation (correlate to GR log).

Menefee perforations, 2 spf (15 shots/ 30 holes): 4004, 4023, 4052, 4072, 4112, 4148, 4157, 4216, 4285, 4290, 4324, 4350, 4358, 4377, 4382

- 10. RIH w/ tapered 3-1/2 X 2-7/8 frac string and 5-1/2" packer. Set packer at 3950'.
- 11. Spearhead 500 gal 15% HCL, establish injection rate, and proceed with fracture stimulation according to Schlumberger schedule. Maintain surface pressures ≤ 5500 psi during frac job. Flush frac with foam. Fill out GWSI scorecard.
- 12. Release packer and POOH w/ frac string and packer.
- 13. RIH with 5-1/2" CIBP. Set CIBP at 3400'.
- 14. RIH with 3-1/8" casing guns. Perforate Chacra formation (correlate to GR log).

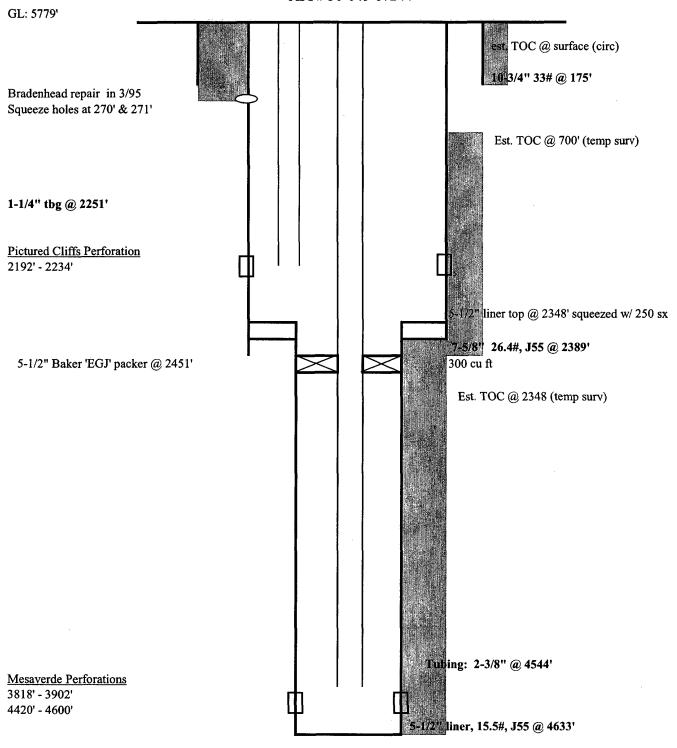
Chacra Perforations, 2 spf (20 shots/40 holes):

- 3121' 3126' (5')
- 3150' 3155' (5')
- 3235' 3239' (4')
- 3262' 3265' (3')
- 3297' 3300' (3')

- 15. RIH with 2-7/8" X 3-1/2" tapered frac string and 5-1/2" packer. Set packer at 2500'
- 16. Spearhead 500 gal 15% HCL, establish injection rate, and proceed with fracture stimulation according to Schlumberger schedule. Maintain surface pressures ≤ 5500 psi during frac job. Flush frac with foam. Fill out GWSI scorecard.
- 17. Flowback frac immediately.
- 18. Release packer and TOH with frac string and packer. LD frac string.
- TIH with tubing and bit. Cleanout fill and drill bridge plugs set at 3300 and 4400°. C/O to PBTD at 4602°. Blow well dry at PBTD.
- 20. Rabbit tubing and RIH with 2-3/8" production tubing (with a muleshoe and X-nipple with blanking plug). Fill tubing with KCL water while RIH.
- 21. Land 2-3/8" production tubing at 4500'.
- 22. Pressure test tubing to 500 psi with rig pumps.
- 23. Swab down tubing with sandline.
- 24. RU SL unit. Run gauge ring for 2-3/8" tubing. Pull plug and set tubing stop for plunger. RD slickline unit.
- 25. ND BOP's. NU WH. Test well for air. Return well to production.

Dryden LS 3

Sec 21, T28N, R8W API # 30-045-07244



PBTD: 4602'

updated: 10/3/03 CFR

<u>District I</u>

1625 N. French Dr., Hobbs, NM 88240

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102 Revised August 15, 2000

District II

811 South First, Artesia, NM 88210

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

District IV

District_III

2040 South Pacheco, Santa Fe, NM 87505

160

¹ API Number

1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

WELL LOCATION AND ACREAGE DEDICATION PLAT			
	² Pool Code	³ Pool Name	
	82329	Otero Chacra	

Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from	North/South	Feet from	East/West	County
Unit M	21	28N	08W		990'	South	990'	West	San Juan
	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 Dedicate	d Acres	13 Joint o	r Infill		¹⁴ Consolidation (Code		15	Order No.

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

I	NON-STANDAR	RD UNIT HAS BEEN	APPROVED BY THE	DIVISION
				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
				Signature
				Mary Corley
				Printed Name
				Sr. Regulatory Analyst
				Title
				11/17/2003
	e a Magainarda Raskalas - 1560 sacrifu y			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.
				00/00/1957
				Date of Survey
990'				Signature and Seal of Professional Surveyor:
	*			On File
,066				Certificate Number

District I 1625 N. French Drive, i

State of New Mexico Energy, Minerals and Natural Resources Department

Form C-107A Revised May 15, 2000

District II

District III
1000 Rio Brazos Road, Az

OIL CONSERVATION DIVISION 2040 South Pacheco Santa Fe, New Mexico 87505

APPLICATION TYPE X Single Well
Establish Pre-Approved Pools
EXISTING WELLBORE
X Yes No

District IV

2040 South Pacheco, Santa Fe, NM 87505

APPLICATION FOR DOWNHOLE COMMINGLING

BP America Production Company P. O. Box 3092 Houston, TX 77253					
Operator Dryden LS	Operator Address				
	Dryden LS 3 Unit M Section 21 T28N, R08W San Juan Lease Well No. Unit Letter-Section-Township-Range County OGRID No. 000778 Property Code 000432 API No. 30-045-07244 Lease Type: X Federal State Fee State Fee				
DATA ELEMENT	UPPER ZONE	INTERMEDIATE ZONE	LOWER ZONE		
Pool Name	Blanco Pictured Cliffs S.	Otero Chacra	Blanco Mesaverde		
Pool Code	72439	82329	72319		
Top & Bottom of Pay Section (Perforated or Open-Hole Interval)	2192' – 223'	3121' - 3300	3818' – 4600'		
Method of Production (Flowing or Artificial Lift)	Flowing	Flowing	Flowing		
Bottomhole Pressure	270	425	499		
Oil Gravity or Gas BTU (Degree API or Gas BTU)	1294	1202.6	1256		
Producing, Shut-In or New Zone	Producing	New Zone	Producing		
Date and Oil/Gas/Water Rates of Last Production.	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 Will commingled zones compatible with each other? Will commingling decrease the value of production? Yes X No Yes X No Yes No X 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 X No No NOCD 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	TITLESr.	. Regulatory Analyst	DATE 11/17/2003		
TYPE OR PRINT NAME	Mary Corley	TELEPHONE NO. (281) 366-4491		

Dryden LS 3 Future Production Decline Estimate Pictured Cliffs Daily Rates

	Gas Volume
Jan-2002	
Feb-2002	5 3
Mar-2002	
Apr-2002	4
May-2002	5
Jun-2002	1
Jul-2002	Ö
Aug-2002	0
Sep-2002	2
Oct-2002	6
Nov-2002	5
Dec-2002	6
Jan-2003	2
Feb-2003	2
Mar-2003	4
Apr-2003	1
May-2003	1
Jun-2003	
Jul-2003	0
Aug-2003	0
Sep-2003	0
Oct-2003	0
Nov-2003	0
Dec-2003	0
Jan-2004	0
Feb-2004	0
Mar-2004	0
Apr-2004	0
May-2004	0
Jun-2004	0
Jul-2004	0
Aug-2004	0
Sep-2004 Oct-2004	0
Nov-2004	0
Dec-2004	0
Dec-2004	્

In(Qf/Qi) = -dt Qf= 1 Qi= 2 rate= 1 time= 4 dt= -0.693147181

decline= -0.173286795

- Month Gas Volu	me
Jan-2005	0
Feb-2005	0
Mar-2005	0
Apr-2005	0
May-2005	0
Jun-2005	000000
Jul-2005	Ō
Aug-2005	0
Sep-2005	0
Oct-2005	0
Nov-2005	0
Dec-2005	0
Jan-2006	0
Feb-2006	히
Mar-2006	0
Apr-2006	0
May-2006	0
Jun-2006	0
Jul-2006	ō
Aug-2006	0
Sep-2006	o
Oct-2006	0
Nov-2006	0
Dec-2006	0
Jan-2007	0
Feb-2007	0
Mar-2007	0
May-2007	0
Jun-2007	0
Jul-2007	0
Aug-2007	0
Sep-2007	0
Oct-2007	0
Nov-2007	0
Dec-2007	00000000000
Jan-2008	0

Month	Gas Volume
Feb-2008	0
Mar-2008	0
Apr-2008	0
May-2008	0
Jun-2008	0
Jul-2008	0
Aug-2008	0
Sep-2008	0
Oct-2008	0
Nov-2008	0
Dec-2008	0
Jan-2009	0
Feb-2009	0
Mar-2009	0
Apr-2009	0
May-2009	0
Jun-2009	0
Jul-2009	0
Aug-2009	0
Sep-2009	0
Oct-2009	0
Nov-2009	0
Dec-2009	0
Jan-2010	0
Feb-2010	0
Mar-2010	0
Apr-2010	0
May-2010	0
Jun-2010	0
Jul-2010	0
Aug-2010	0
Sep-2010	0
Oct-2010	Ö
Nov-2010	0
Dec-2010	0
Jan-2011	0

Month	Gas Volume
Feb-2011	ol
Mar-2011	0
Apr-2011	0
May-2011	0
Jun-2011	0
Jul-2011	0
Aug-2011	ō
Sep-2011	0
Oct-2011	0
Nov-2011	0
Dec-2011	0
Jan-2012	0
Feb-2012	0
Mar-2012	0
Apr-2012	0 0 0 0
May-2012	0
Jun-2012	0
Jul-2012	0
Aug-2012	0
Sep-2012 Oct-2012	0
Oct-2012	0 0 0
Nov-2012	0
Dec-2012	0
Jan-2013	0
Feb-2013	0
Mar-2013	0
Apr-2013	0 0 0
May-2013	0
Jun-2013	0
Jul-2013	0
Aug-2013	i Ui
Sep-2013	0
Oct-2013	0
Nov-2013	0
Dec-2013	0
Jan-2014	0

Month	Gas Volume
Jan-2002	115
Feb-2002	112
Mar-2002	99
Apr-2002	90
May-2002	87
Jun-2002	59
Jul-2002	90
Aug-2002	78
Sep-2002	82
Oct-2002	83
Nov-2002	82
Dec-2002	84
Jan-2003	75
Feb-2003	74
Mar-2003	80
Apr-2003	71
May-2003	81
Jun-2003	58
Jul-2003	66
Aug-2003	72
Sep-2003	65
Oct-2003	65
Nov-2003	64
Dec-2003	64
Jan-2004	63
Feb-2004	62
Mar-2004	62
Apr-2004	61
May-2004	61
Jun-2004	60
Jul-2004	59
Aug-2004	59
Sep-2004	58
Oct-2004	58
Nov-2004	57
Dec-2004	56

In(Qf/Qi) =	-dt
Qf=	80
Qi=	83
rate=	80
time=	\$ 6
dt=	-0.03681397
decline=	-0: 58002357
_	.0061

- Michiel	Ods Volume
Jan-2005	
Feb-2005	
Mar-2005	
Apr-2005	54
May-2005	54
Jun-2005	
Jul-2005	
Aug-2005	52
Sep-2005	51
Oct-2005	
Nov-2005	50
Dec-2005	49
Jan-2006	49
Feb-2006	48
Mar-2006	48
Apr-2006	47
May-2006	46
Jun-2006	46
Jul-2006	45
Aug-2006	45
Sep-2006	44
Oct-2006	44
Nov-2006	43
Dec-2006	42
Jan-2007	42
Feb-2007	41
Mar-2007	41
May-2007	40
Jun-2007	39
Jul-2007	39
Aug-2007	38
Sep-2007	38
Oct-2007	37
Nov-2007	36
Dec-2007	36
Jan-2008	

Month Gas Volume

Month	Gas Volume
Feb-2008	
Mar-2008	34
Apr-2008	34
May-2008	33
Jun-2008	32
Jul-2008	32
Aug-2008	31
Sep-2008	. 31
Oct-2008	30
Nov-2008	29
Dec-2008	29
Jan-2009	28
Feb-2009	28
Mar-2009	27
Apr-2009	26
May-2009	
Jun-2009	25
Jul-2009	25
Aug-2009	24
Sep-2009	23
Oct-2009	23
Nov-2009	22
Dec-2009	22
Jan-2010	21
Feb-2010	21
Mar-2010	20
Apr-2010	19
May-2010	19
Jun-2010	18
Jul-2010	18
Aug-2010	17
Sep-2010	16
Oct-2010	16
Nov-2010	15
Dec-2010	15
Jan-2011	14