Form 3160-5 (August 1999)				
DEPA		STATES THE INTERIOR D MANGEMENT		FORM APPROVED OMB No. 1004-0135 Expires November 30, 2000
_			/	Lease Serial No.
•		REPORTS ON WELLS		SF - 078049
		o drill or to re-enter an Abandoned for such proposals	well. Use	6. If Indian, Allottee or tribe Name
SUBMIT IN TRIPLIC	CATE – Ot	her instructions on veyerse's	side A	7. Unit or CA/Agreement, Name and/or No.
I. Type of Well Oil Well X Gas Well	Other	2325	5 10 1	8. Well Name and No. Hughes C 1A
2. Name of Operator		Past Of a Village	7. 3	9. API Well No.
BP America Production Company	Attn: Mary	Corley		30-045-23150
3a. Address		3b. Phone No. (include area code)		10. Field and Pool, or Exploratory Area
P.O. Box 3092 Houston, TX 7725	53	281-366-4491		Blanco MV & PC & Otero Chacra
4. Location of Well (Footage, Sec., T., I	R., M., or Surve 915	y Description)		11. County or Parish, State
/	4740' FEL	Sec-85 T29N R08W	·	San Juan County, New Mexico
12. CHECK	APPROPRIAT	E BOX(ES) TO INDICATE NATURE O	R NOTICE, RE	EPORT, OR OTHER DATA
TYPE OF SUBMISSION		T	YPE OF ACTION	ON
X Notice of Intent	Acidize	Deepen (1)	☐ Production	on (Start/Resume)
Subsequent Report	☐ Alter Cas	_	☐ Reclamat	ion Well Integrity
Final Abandonment Notice	Casing R	epair New Construction	☐ Recomple	ete Abandon
	Change F	Plans Plug and Abandon	Water Di	sposal
	☐ Injection	Plug Back	X Other	Downhole Commingle
deepen directionally or recomplete horizon will be performed or provide the Bond No- results in a multiple completion or recompl	stally, give subsurf on file with BLM letion in a new into	ace locations and measured and true vertical de /BIA. Required subsequent reports shall be file	pths of all pertine ed within 30 days has been complete	ed work and approximate duration thereof. If the proposal is to nt markers and zones. Attach the Bond under which the work following completion of the involved operations. If the operatio ed. Final Abandonment Notices shall be filed only after all ection.
•		permission to complete the subject nco Mesaverde & Pictured Cliffs p		e Otero Chacra Pool and commingle per the attached procedure.
Pictured Cliffs and Mesaverde commingled well. The balance for the Pictured Cliffs & Mesav	Pools. This e of the produ erde Pools	production shall serve as a base uction will be attributed to the Cha	for production for acra. Attache	cted future decline for production from the on subtracted from the total production for the ed are the future production decline estimates fication is required prior to downhole
commingling approval.				reduce the value of the total remaining
production		DI+ C3417		RECE
14. I hereby certify that the foregoing is	s true and correc	et		PM VED GTo
Name (Printed/typed)	Mary Corley	Title		Senior Regulatory Analyst
Signature May au	lux	Date		≨ 55 3/31/2005
	THIS	SPACE FOR FEDERAL OR STA	ATE OFFICE	C USE

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.

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 witin its jurisdiction.

Approved by

Form C-107A Revised May 15,

2000

District II^b

811 South First Street, Artesia, NM 88210

District III

d. Aztec. NM 87410

District IV

2040 South Pacheco, Santa Fe, NM 87505

OIL CONSERVATION DIVISION

2040 South Pacheco Santa Fe, New Mexico 87505

APPLICATION FOR DOWNHOLE COMMINGLING

APPLICATION TYPE X Single Well

Establish Pre-Approved

<u>X</u> Yes __ No

EXISTING WELLBORE

55

No

								-
BP America Pro	duction Company	P. O. Box 3092 Hous	ton, TX 772	53				_
Operator		Address						
Hughes C 1A	Unit P	Section 33 T29N, R08	<i>N</i>			San J	u <u>an</u>	
Lease	Well No.	Unit Letter-Section-Tov	nship-Range			Coun	ty	
OGRID No. 000778	Property Code 000703	API No. 30-045-23150	Lease Type:	X	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)	2875' – 2944'	To Be Determined	4418' – 5537'
Method of Production (Flowing or Artificial Lift)	Artificial Lift	Artificial Lift	Artificial Lift
Bottomhole Pressure	425	430	590
Oil Gravity or Gas BTU (Degree API or Gas BTU)	950	980	950
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? 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?

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?

NMOCD Reference Case No. applicable to this well:

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.

Bottoninole pressure data.		
I hereby certify that the information glove is true and complet	e to the best of my knowledge and b	elief
SIGNATURE May Colly TITLE	Sr. Regulatory Analyst	DATE 03/09/2005
TYPE OR PRINT NAME Mary Corley	TELEPHONE NO. (28	

District 1

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

160

District III

1000 Rio Brazos Rd., Aztec, NM 87410 District IV 2040 South Pacheco, Santa Fe, NM 87505 **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

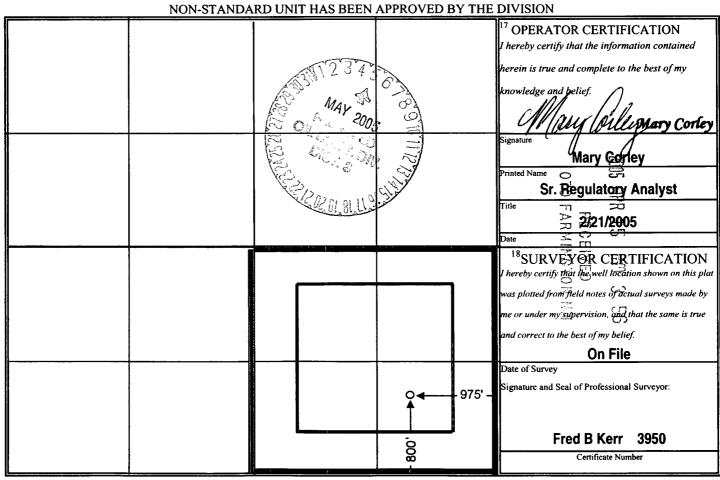
WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045- 074(8 23/50	² Pool Code 82329	Otero (
Property Code 000703			⁵ Property Name Hughes C	⁶ Well Number
⁷ OGRID No. 000778		BP Amer	⁸ Operator Name ica Production Company	² Elevation 6368' GR
000770			10 Surface Location	0000 Git

Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from	North/South	Feet from	East/West	County
Р	33	29N	W80		800	South	975	East	San Juan
			11 Botto	m Hole l	Location If	Different I	From Sur	face	
UL or lot no.	Section	Township	Range	Lot Idn	Feet from	North/South	Feet	East/West	County
									Order No.

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



Hughes C 1 A API #: 30-045-23150 Complete into the Chacra & DHC with the MV & PC February 14, 2005

Procedure:

- 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 2-3/8" production tubing currently set at 5400'. Using approved "Under Balance Well Control Tripping Procedure".
- 11. 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 5,595'. POOH.
- 12. Set bridge plug at 4,300'.
- 13. 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.
- 14. RIH with 3-1/8" casing guns w/lubricator. Perforate Chacra formation w/ 4 SPF.
- 15. RIH w/ packer and 3-1/2" by 2-7/8" frac string. Set packer at 3,200'.

- 16. 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. Fill out GWSI scorecard.
- 17. 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.
- 18. 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 4,300'. **Perform well test on Chacra for regulatory and document well test in DIMS.**
- 19. Cleanout fill and BP set at 4,300'. Cleanout to PBTD at 5,595'. Blow well dry.
- 20. Rabbit tubing and RIH with 2-3/8" production tubing (with muleshoe, F-nipple with plug, 4 ft pup, X-nipple with plug).
- 21. Land 2-3/8" production tubing at +/-5,490'. Lock down hanger.
- 22. 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.
- 23. 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.
- 24. 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.
- 25. RD slickline unit.
- 26. Test well for air. Return well to production and downhole tri-mingle PC, Chacra and Mesaverde.

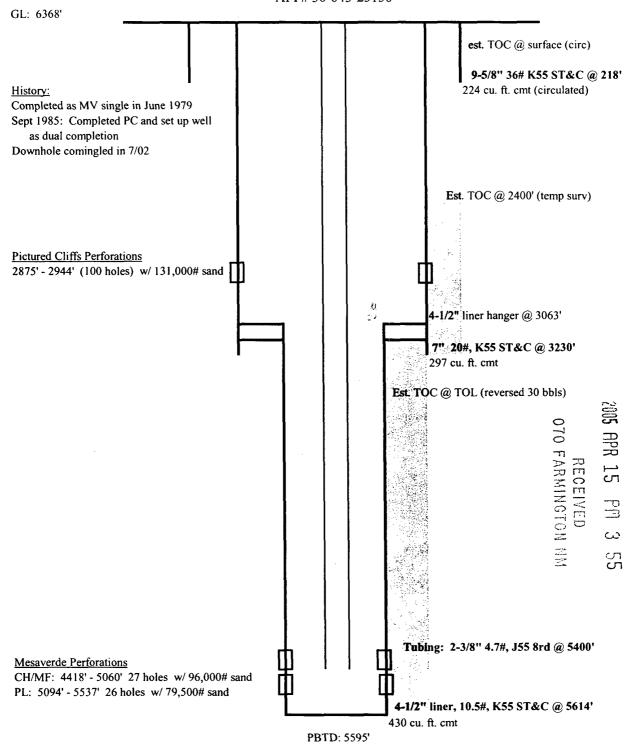
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070 FARMINGTON NM

Hughes C 1 A

Sec 33, T29N, R8W API # 30-045-23150



updated: 2/10/05 CFR

Hughes C 1A

Future Production Decline Estimate Pictured Cliffs Daily Rates

Gas Volume

Month

Feb-2010 Mar-2010

Apr-2010 May-2010 Jun-2010 Jul-2010

Aug-2010 Sep-2010 Oct-2010

Nov-2010 Dec-2010

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Residenth Control Gr	4	Feb-2004	Mar-2004	Apr-2004	May-2004	Jun-2004	Jul-2004	Aug-2004	Sep-2004	Oct-2004	Nov-2004	Dec-2004	Jan-2005	Feb-2005	Mar-2005	Apr-2005	May-2005	Jun-2005	Jul-2005	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

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Hughes C 1A

Future Production Decline Estimate Pictured Cliffs Daily Rates

Gas Volume

Month

Feb-2016

Mar-2016 Apr-2016 May-2016 Jun-2016 Jul-2016

Aug-2016 Sep-2016 Oct-2016

Nov-2016 Dec-2016

Jan-2017 Feb-2017 Mar-2017

sas Volume	15	15	15	14	14	14	14	14	14	14	14	14	14	14	14	13		13	13	13		13	13	13	13		13	13	13		12	12	12		12	12
Month	Feb-2013		Apr-2013	May-2013		Jul-2013	Aug-2013	Sep-2013	201	Nov-2013	Dec-2013	Jan-2014	Feb-2014	Mar-2014	Apr-2014	May-2014	Jun-2014	Jul-2014	Aug-2014	Sep-2014	Oct-2014	Nov-2014	Dec-2014	Jan-2015	Feb-2015	Mar-2015	Apr-2015	201	~	Jul-2015	Aug-2015	$\overline{}$	201	Nov-2015	7	Jan-2016

Jul-2017

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Feb-2018 Mar-2018 Apr-2018

May-2018 Jun-2018

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Nov-2018 Dec-2018 Jan-2019

Page 2

Hughes C 1A

Future Production Decline Estimate SS

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Gas Volume

Month

Jan-2004

Jun-2010 Jul-2010 Aug-2010 Sep-2010 Oct-2010 Nov-2010 Dec-2010

Gas Volume

Month

Feb-2010

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Jan-2011 Feb-2011 Mar-2011

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Aug-2005 Sep-2005 Oct-2005 Nov-2005 Jan-2006 Feb-2006 Mar-2006

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Oct-2011 Nov-2011 Dec-2011

Page 1

Aug-2012 Sep-2012 Oct-2012 Nov-2012

Dec-2012 Jan-2013

Oct-2006 Nov-2006 Dec-2006

Sep-2006

Future Production Decline Estimate

Mesaverde Daily Rates

	Gas Volume	Month	Gas Volume
Feb-2013	71	Feb-2016	28
Mar-2013	70	Mar-2016	5.
Apr-2013	0.2		57
May-2013	20	May-2016	5.
Jun-2013	69	_	26
Jul-2013	69	Jul-2016	56
Aug-2013	89	Aug-2016	56
Sep-2013	89	Sep-2016	
Oct-2013	68	Oct-2016	5
Nov-2013	29	Nov-2016	55
Dec-2013	29	Dec-2016	75
Jan-2014	99	Jan-2017	54
Feb-2014	99	Feb-2017	75
Mar-2014	99	Mar-2017	53
Apr-2014	92	Apr-2017	5.
May-2014	9	May-2017	5:
Jun-2014	65	Jun-2017	5.
Jul-2014	64	Jul-2017	5,
Aug-2014	64	Aug-2017	5,
Sep-2014	63	Sep-2017	5,
Oct-2014	63	Oct-2017	5.
Nov-2014	63	Nov-2017	51
Dec-2014	62	Dec-2017	51
Jan-2015	62	Jan-2018	20
Feb-2015	62	Feb-2018	20
Mar-2015	61	Mar-2018	
Apr-2015	61	Apr-2018	
May-2015	61	May-2018	49
Jun-2015	09	Jun-2018	49
Jul-2015	09	Jul-2018	49
Aug-2015	09	Aug-2018	48
Sep-2015	29	Sep-2018	48
Oct-2015	29	Oct-2018	
Nov-2015	29	Nov-2018	
Dec-2015	58	Dec-2018	
lan-2016	58	100 001	47

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