Submit 3 Copies To Appropriate Distric	state of New Me	xico	Form C-103
Office District I	Energy, Minerals and Natu		May 27, 2004
1625 N. French Dr., Hobbs, NM 88240			WELL API NO.
District II	OUTCONSERVATION	DIVISION	30-045-07943
1301 W. Grand Ave., Artesia, NM 8821 District III	1220 South St. Fran		5. Indicate Type of Lease
1000 Rio Brazos Rd., Aztec, NM 87410			STATE FEE 6. State Oil & Gas Lease No.
<u>District IV</u> 1220 S. St. Francis Dr., Santa Fe, NM	Santa 1 C, 14141 07	303	6. State Off & Gas Lease No.
87505		7	
SUNDRY NO	OTICES AND REPORTS ON WELLS	157	7. Lease Name or Unit Agreement Name
(DO NOT USE THIS FORM FOR PRO	OPOSALS TO DRILL OR TO DEEPEN OR PLE PLICATION FOR PERMIT!! (FORM C 101) FO	JG BACKITO A	Hughes B
PROPOSALS.)	PLICATION FOR PERMIT (FORM C-101) FO	20. 00)	8. Well Number
1. Type of Well: Oil Well X	Gas Well  Other	<b>5</b> 6	4
2. Name of Operator	E CONTRA		9. OGRID Number
BP America Production Com	pany - Attn: Mary Corley ' 3 T		000778
3. Address of Operator	Ve Co		10. Pool name or Wildcat
P.O. Box 3092 Houston, TX	77253	3/3/100	Blanco Mesaverde & Pictured Cliffs
4. Well Location			
Unit Letter M	: 990 feet from the South	line and990	feet from the West line
Section 25	Township 32N Range 11	W NMPM	San Juan County
	11. Elevation (Show whether DR,		
	6475'	GR	
Pit or Below-grade Tank Application	or Closure		
Pit type Workover Depth to 0	Groundwater <b>&gt;100</b> ° Distance from nearest	fresh water well $\geq 100$	0' Distance from nearest surface water >1000'
	<del>_</del>		
Pit Liner Thickness:12 mil	Below-Grade Tank: Volume	bbls; Constr	uction Material
12. Chec	k Appropriate Box to Indicate N	ature of Notice. I	Report or Other Data
	• •		•
	INTENTION TO:	ř	SEQUENT REPORT OF:
PERFORM REMEDIAL WORK	<del>_</del>	REMEDIAL WORK	<del>-</del>
TEMPORARILY ABANDON	☐ CHANGE PLANS ☐	COMMENCE DRIL	<del>-</del>
PULL OR ALTER CASING	☐ MULTIPLE COMPL ☐	CASING/CEMENT	JOB
OTUED. Complete into I	OC 9 DUC w/Massyords	OTHER:	П
	C & DHC w/Mesaverde		give pertinent dates, including estimated date
of starting any proposed	work) SEF RULE 1103 For Multin	le Completions: Att	ach wellbore diagram of proposed completion
or recompletion.	works. SEE ROLL 1103. 1 of Muliip	ic Completions. Titt	den wendere diagram of proposed completion
	npany request permission to com	plete the subject v	well into the Blanco Pictured Cliffs Pool
	Downhole with the existing Blance		
	19) and Blanco Pictured Cliffs (7		
			lty interest owners in the proposed
			. BLM has been notified via FORM
3160-5.	,		
	allocated based on the subtraction	on method using t	he projected future decline for
			duction subtracted from the total
			ributed to the Chacra. Attached is the
future production decline es	•		induced to the Charles Attached 13 the
		the proposed Pool	s with not reduce the value of the total
remaining production	windle in the subject well from	ine proposed rooi	is with not reduce the value of the total
9 F-			
Construct a lined workover	pit per BP America – San Juan B	asin Drilling/ Wo	rkover Pit Construction Plan issued
	be closed according to closure pl		
	•	4	
	DItc 18	58 HZ	
I hereby certify that the informati			and belief. I further certify that any pit or below-
grade tank has been/will be constructed	dor closed according to NMOCD guidelines	], a general permit [] o	or an (attached) alternative OCD-approved plan .
(Ma. /	1.		
SIGNATURE // Mary Carl	TITLE S	Sr. Regulatory Anal	
Type or print name Mary Corle	E-mail address: c	orleyml@bp.com	Telephone No 281-366-4491
For State Use Only APPROVED BY:		MITTE ALL	IFINE A A -
APPROVED BY:	TITLE OF	PUTY OIL & GAS IN	SPECTOR, DIST. 28 DATE 4 2005

District I

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

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

<sup>1</sup> API Number 30-045-07943	<sup>2</sup> Pool Code <b>72359</b>	<sup>3</sup> Pool Name Blanco Pictured Cliffs
<sup>4</sup> Property Code 000702	<sup>5</sup> Property Name Hughes B	<sup>6</sup> Well Number
<sup>7</sup> OGRID No. 000778	8 Operator Name BP America Production C	relevation 6475' GR

Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from	North/South	Feet from	East/West	County
M	20	29N	W80		990	South	990	West	San Juan
			11 Botto	m Hole l	Location If	Different I	rom Sur	face	
UL or lot no.	Section	Township	Range	Lot Idn	Feet from	North/South	Feet	East/West	County
12 Dedicate		<sup>13</sup> Joint o	r Infill		<sup>14</sup> Consolidation (	Code	Ī	1:	Order No.
160	)								

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A
NON-STANDARD LINIT HAS BEEN APPROVED BY THE DIVISION

NON-STANDAI	RD UNIT HAS BEEN	APPROVED BY THE I	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
			Mary Corley Printed Name Sr. Regulatory Analyst Title 3/31/2005
	`		18SURVEYOR 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. 1/16/1953
— 990' — → ○ ↑ 			C O Walker  Certificate Number

### Hughes B 4 Procedure to Complete into the Pictured Cliffs and DHC with Mesaverde March 7, 2005

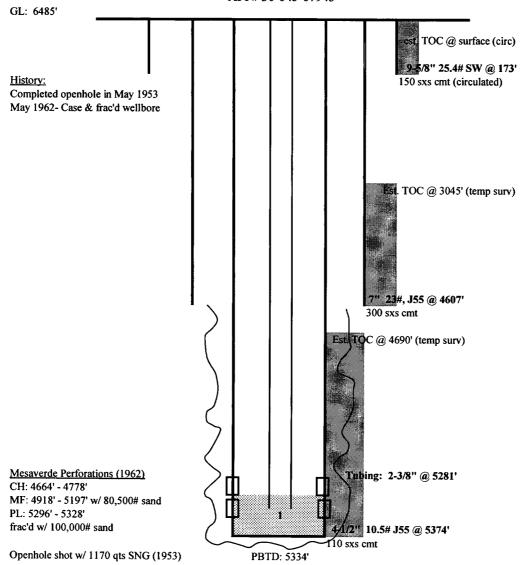
- 1. Perform pre-rig site inspection. Check for: size of location, Gas Taps, other wells, other operators, running equipment, wetlands, wash (dikes req.), H2S, barriers needed for equipment, Landowner issues, location of pits (buried lines in pits), Raptor nesting, critical location, check anchors. Check 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 string.
- 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, pull tubing hanger up above pipe rams, and shut pipe rams. Remove stripping rubber. Strip tubing hanger out of hole. Re-install stripping rubber.
- 10. TOH and LD 2-3/8" production tubing currently set at 5281'. 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 5,334'. POOH.
- 12. Set bridge plug at 4,500'. Fill casing w/ 2%KCl and test to 2,500 psi w/ rig pumps.
- 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. RU E-line equipment. Pressure test lubricator and equipment. Log well w/ CBL from PBTD to 4000'.
- 15. Perforate squeeze holes 100' above TOC. (previous temp survey indicated TOC at 4,690').

- 16. Set cement retainer 100' above squeeze holes.
- 17. Sting into retainer. Circulate cement down tubing and up 4-1/2" by 7" annulus. Pump 20 bbls cement below retainer.
- 18. Sting out of retainer and circulate cement off of top of retainer. POOH and WOC.
- 19. RU e-line and run CBL from retainer to 3,000' to confirm TOC.
- 20. Back off 4-1/2" casing 100' above TOC.
- 21. RU E-line equipment. Pressure test lubricator and equipment. Log well w/ CBL from top of 4-1/2" to 2,500'.
- 22. Perforate squeeze holes 100' above TOC. (previous temp survey indicated TOC at 3,045').
- 23. Set cement retainer 100' above squeeze holes.
- 24. Sting into retainer. Circulate cement down tubing and up 7" annulus. Circulate cement to surface if possible.
- 25. Sting out of retainer and circulate cement off of top of retainer. POOH and WOC.
- 26. RU e-line and run CBL from retainer to 2,500' to confirm TOC is above Pictured Cliffs.
- 27. PU bit for 7" casing. Clean out retainer and cement to top of 4-1/2" liner.
- 28. Fill casing w/ 2%KCl and test to 2,500 psi w/ rig pumps.
- 29. RIH with 3-1/8" casing guns w/lubricator. Perforate Pictured Cliffs formation w/ 4 SPF at: 3089, 3085, 3081, 3077, 3074, 3069, 3066, 3063, 3059, 3056'.
- 30. NU Frac isolation equipment. 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. Fill out GWSI scorecard.
- 31. Flowback frac immediately. Flow well through choke manifold on 1/4", 1/2" and 3/4" 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.
- 32. 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 4-1/2" casing. Perform well test on Pictured Cliffs for regulatory and document well test in DIMS.
- 33. PU bit for 4-1/2" casing. Cleanout fill, cement retainer, and BP set at 4,500'. Cleanout to PBTD at 5,334'. Blow well dry.
- 34. Rabbit tubing and RIH with 2-3/8" production tubing (with muleshoe, F-nipple with plug, 4 ft pup, X-nipple with plug).
- 35. Land 2-3/8" production tubing at +/-5,275'. Lock down hanger.

- 36. 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.
- 37. 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.
- 38. 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.
- 39. RD slickline unit.
- 40. Test well for air. Return well to production and downhole co-mingle Pictured Cliffs and Mesaverde.

Hughes B #4

Sec 20, T29N, R8W API # 30-045-07943



updated: 12/10/04 CFR

### Hughes B 4

# Future Production Decline Estimate tes

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= -dt	105	110	105	8	-0.046520016	-0.005815002
In(Qf/Qi)	of=	i E	rate=	time=	dt=	decline=

95

Apr-2004 May-2004 Jun-2004

 Month
 Gas Volume

 Jan-2004
 86

 Feb-2004
 82

 Mar-2004
 127

Gas Volume	72	72	71	7.1	70	70	70	69	69	89	89	68	67	29	29	99	99	65	65	65	64	64	63	63	63	62	62	62	61	61	61	09	09	09	59	29
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

80 80

Apr-2005

May-2005

Jul-2005

Jul-2005

Sep-2005

Sep-2005

Jun-2006

Apr-2006

Apr-2006

Apr-2006

Apr-2006

Oct-2006

Oct-2006

Oct-2006

Dec-2006

Dec-2006

Dec-2006

Dec-2006

Dec-2006

8 8

106 105

Jan-2005 Feb-2005

Mar-2005

91

Aug-2004 Sep-2004 Oct-2004

Jul-2004

Nov-2004 Dec-2004

Gas Volume	59	58	58	58	57	25	22	26	56	26	52	22	22	54	54	54	53	53	53	52	52	52	51	51	51	51	50	50	20	49	49	49	49	48		48
Month	Feb-2010	Mar-2010	Apr-2010	May-2010	Jun-2010	Jul-2010	Aug-2010	Sep-2010	Oct-2010	Nov-2010	Dec-2010	Jan-2011	Feb-2011	Mar-2011	Apr-2011	May-2011	Jun-2011	Jul-2011	Aug-2011	Sep-2011	Oct-2011	Nov-2011	Dec-2011	Jan-2012	-201	Mar-2012	Apr-2012	-201	Jun-2012	Jul-2012	Aug-2012		-201	Nov-2012	-201	Jan-2013

Page 1

# Future Production Decline Estimate Hughes B 4

# Mesaverde Daily Rates

Gas Volume	Month   G	Gas Volume
47	16	39
47	Mar-2016	36
47	Apr-2016	36
47	May-2016	38
46	Jun-2016	38
46	Jul-2016	37
46	Aug-2016	37
46	Sep-2016	37
45	Oct-2016	37
45	Nov-2016	37
45	Dec-2016	36
45	Jan-2017	36
44	Feb-2017	36
44	Mar-2017	36
44	Apr-2017	35
44	May-2017	35
43	Jun-2017	32
43	Jul-2017	35
43	Aug-2017	35
43	Sep-2017	34
42	Oct-2017	34
42	Nov-2017	34
42	Dec-2017	34
42	Jan-2018	34
41	Feb-2018	33
41	Mar-2018	33
41	Apr-2018	33
41	May-2018	33
40	Jun-2018	33
40	Jul-2018	33
40	Aug-2018	32
40	Sep-2018	32
39	Oct-2018	32
39	Nov-2018	32
39	Dec-2018	32
39	Jan-2019	31