

Submit 3 Copies To Appropriate District Office
District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Ave., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103

May 27, 2004

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

WELL API NO.

30-045-07623

5. Indicate Type of Lease

STATE ☐ FEE ☐

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name

Hughes C

8. Well Number

6

9. OGRID Number

000778

10. Pool name or Wildcat

Blanco Mesaverde/Otero Chacra

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐

2. Name of Operator

BP America Production Company - Attn: Mary Corley

3. Address of Operator

P.O. Box 3092 Houston, TX 77253

4. Well Location

Unit Letter N : 1140 feet from the South line and 18000 feet from the West line
Section 33 Township 29N Range 08W NMPM San Juan County

11. Elevation (Show whether DR, RKB, RT, GR, etc.)

6322' GR

Pit or Below-grade Tank Application ☐ or Closure ☐

Pit type Workover Depth to Groundwater >100' Distance from nearest fresh water well >1000' Distance from nearest surface water >1000'

Pit Liner Thickness: 12 mil Below-Grade Tank: Volume _____ bbls; Construction Material _____

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ P AND A ☐
CASING/CEMENT JOB ☐

OTHER: Complete into Chacra & DHC w/Mesaverde

OTHER: ☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

BP America Production Company request permission to recomplete the subject well into the Otero Chacra Pool and commingle production Downhole with the existing Blanco Mesaverde as per the attached procedure. The Blanco Mesaverde (72319) and Otero Chacra (82329) 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. BLM has been notified via FORM 3160-5. 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 Chacra. Attached is the future production decline estimates for the Mesaverde. Commingling Production Downhole in the subject well from the proposed Pools with not reduce the value of the total remaining production

Construct a lined workover pit per BP America - San Juan Basin Drilling/ Workover Pit Construction Plan issued date of 11/17/2004. Pit will be closed according to closure plan on file.

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☐, a general permit ☐ or an (attached) alternative OCD-approved plan ☐.

SIGNATURE Mary Corley TITLE Sr. Regulatory Analyst DATE 12/15/2005

Type or print name Mary Corley E-mail address: corleyml@bp.com Telephone No. 281-366-4491

For State Use Only

APPROVED BY: [Signature] TITLE DEPUTY OIL & GAS INSPECTOR, DIST. 3 DATE DEC 19 2005

Conditions of Approval (if any): recompletion is not approved on this form. BLM Form 3160-5 must be used for that.

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

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

¹ API Number 30-045-07623	² Pool Code 82329	³ Pool Name Otero Chacra
⁴ Property Code 000703	⁵ Property Name Hughes C	⁶ Well Number 6
⁷ OGRID No. 000778	⁸ Operator Name BP America Production Company	⁹ Elevation 6322' GR

¹⁰ Surface Location

UL or lot no. N	Section 33	Township 29N	Range 08W	Lot Idn	Feet from 1140	North/South South	Feet from 1800	East/West West	County San Juan
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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 160	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 hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. <i>Mary Corley</i> Signature: Mary Corley Printed Name: Sr. Regulatory Analyst Title: 12/15/2005 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. On File Date of Survey Signature and Seal of Professional Surveyor: On File Certificate Number	

Hughes C 6
Recompletion to Chacra & DHC with Mesaverde
December 15, 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 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 5070'. 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 blind rams. RIH to PBTD at +/-5,172'. POOH.
12. Set bridge plug at 4,200'. Fill casing w/ 2%KCl and test to 2,500 psi w/ rig pumps.

13. RU E-line equipment. Pressure test lubricator and equipment. Log well w/ RST and CBL from BP to 2500. If TOC is below Chacra', contact engineer to discuss need for remedial cement squeeze.
14. If cement work is required, contact the appropriate NMOCD and/or BLM authorities to notify them of the work. The BLM: 505-599-8907 and NMOCD: 505-334-6178
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. Meeting should address the VDR (vehicle data recorder) System that Bp people have installed on their vehicles. They must be shut off at the 300 foot sign by hitting 00 and then the enter button, and then wait for about 5 minutes for the unit to turn off. When the green light goes out, call the control center at 326-9475. This number is on a pickup list in the Optimizer room and should be your first point of contact followed by the front desk then the weekend pager. Verify the unit is not transmitting. You then can drive to location and park, but do not to exceed 10 Miles/hr. Note: 20 MPH will turn unit back on. If someone has On Star on their vehicle they cannot enter closer than 300 foot. On Star cannot be turned off. PLEASE take special caution. This is in conjunction with all cell phones, pagers, radios and any electronic devise that transmits a signal.
17. RIH with 3-1/8" casing guns w/lubricator. Perforate Chacra formation: **w/ 4 SPF :**
18. 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.
19. 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.
20. Rig up air package/unit, pressure test all lines (Testing procedure to be supplied from air company), TIH with tubing and bit for 5-1/2" casing. Cleanout fill to top of BP set at 4,500'. **Perform well test on Chacra for regulatory and document well test in DIMS. Notify Mary Corley (281-366-4491) when well test information is in DIMS.**
21. Cleanout fill and CIBP set at 4,200'. Cleanout to PBSD at +/- 5,172'. Blow well dry.
22. Rabbit tubing and RIH with 2-3/8" production tubing (with muleshoe, F-nipple with plug, 4 ft pup, X-nipple with plug).
23. Land 2-3/8" production tubing at +/-5,100'. Lock down hanger.
24. 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.

25. 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.
26. 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.
27. RD slickline unit.
28. Test well for air. Return well to production and downhole co-mingle Chacra and Mesaverde.

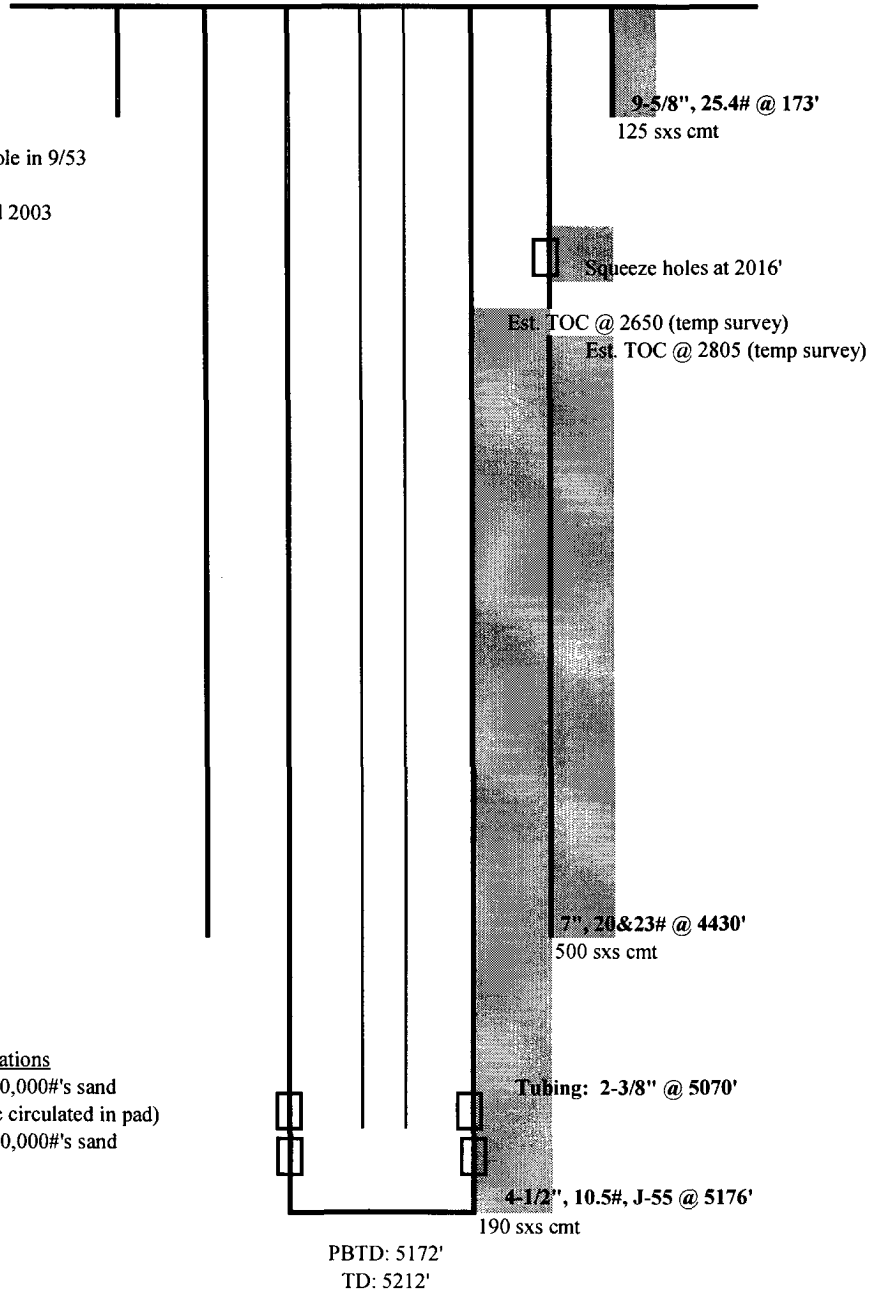
Hughes C 6

Sec 33, T29N, R8W
API # 30-045-07623

GL: 6312'

History:
Completed openhole in 9/53
4-1/2 run in 11/65
Wellhead replaced 2003

Mesaverde Perforations
4506' - 4602' w/ 40,000#'s sand
4756' - 5022' (frac circulated in pad)
5084' - 5142' w/ 40,000#'s sand



updated: 12/14/05 JG

Hughes C 6

Future Production Decline Estimate

Mesaverde Daily Rates

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

$$Q_f = 84$$

$$Q_i = 95$$

$$\text{rate} = 84$$

$$\text{time} = 8$$

$$dt = -0.123060093$$

$$\text{decline} = -0.015382512$$

Month	Gas Volume
Jan-2004	134
Feb-2004	116
Mar-2004	134
Apr-2004	109
May-2004	110
Jun-2004	99
Jul-2004	111
Aug-2004	112
Sep-2004	110
Oct-2004	109
Nov-2004	113
Dec-2004	101
Jan-2005	108
Feb-2005	105
Mar-2005	105
Apr-2005	95
May-2005	99
Jun-2005	92
Jul-2005	97
Aug-2005	87
Sep-2005	89
Oct-2005	79
Nov-2005	84
Dec-2005	83
Jan-2006	81
Feb-2006	80
Mar-2006	79
Apr-2006	78
May-2006	77
Jun-2006	75
Jul-2006	74
Aug-2006	73
Sep-2006	72
Oct-2006	71
Nov-2006	70
Dec-2006	69

Month	Gas Volume
Jan-2007	68
Feb-2007	67
Mar-2007	66
Apr-2007	65
May-2007	64
Jun-2007	63
Jul-2007	62
Aug-2007	61
Sep-2007	60
Oct-2007	59
Nov-2007	58
Dec-2007	57
Jan-2008	56
Feb-2008	55
Mar-2008	55
Apr-2008	54
May-2008	53
Jun-2008	52
Aug-2008	51
Sep-2008	51
Oct-2008	50
Nov-2008	49
Dec-2008	48
Jan-2009	48
Feb-2009	47
Mar-2009	46
Apr-2009	45
May-2009	45
Jun-2009	44
Jul-2009	43
Aug-2009	43
Sep-2009	42
Oct-2009	41
Nov-2009	41
Dec-2009	40
Jan-2010	40

Month	Gas Volume
Feb-2010	39
Mar-2010	38
Apr-2010	38
May-2010	37
Jun-2010	37
Jul-2010	36
Aug-2010	35
Sep-2010	35
Oct-2010	34
Nov-2010	34
Dec-2010	33
Jan-2011	33
Feb-2011	32
Mar-2011	32
Apr-2011	31
May-2011	31
Jun-2011	30
Jul-2011	30
Aug-2011	30
Sep-2011	29
Oct-2011	29
Nov-2011	28
Dec-2011	28
Jan-2012	27
Feb-2012	27
Mar-2012	26
Apr-2012	26
May-2012	26
Jun-2012	25
Jul-2012	25
Aug-2012	25
Sep-2012	24
Oct-2012	24
Nov-2012	23
Dec-2012	23
Jan-2013	23

Hughes C 6 Future Production Decline Estimate Mesaverde Daily Rates

Month	Gas Volume
Feb-2013	22
Mar-2013	22
Apr-2013	22
May-2013	21
Jun-2013	21
Jul-2013	21
Aug-2013	20
Sep-2013	20
Oct-2013	20
Nov-2013	19
Dec-2013	19
Jan-2014	19
Feb-2014	19
Mar-2014	18
Apr-2014	18
May-2014	18
Jun-2014	17
Jul-2014	17
Aug-2014	17
Sep-2014	17
Oct-2014	16
Nov-2014	16
Dec-2014	16
Jan-2015	16
Feb-2015	15
Mar-2015	15
Apr-2015	15
May-2015	15
Jun-2015	15
Jul-2015	14
Aug-2015	14
Sep-2015	14
Oct-2015	14
Nov-2015	13
Dec-2015	13
Jan-2016	13

Month	Gas Volume
Feb-2016	13
Mar-2016	13
Apr-2016	12
May-2016	12
Jun-2016	12
Jul-2016	12
Aug-2016	12
Sep-2016	12
Oct-2016	11
Nov-2016	11
Dec-2016	11
Jan-2017	11
Feb-2017	11
Mar-2017	11
Apr-2017	10
May-2017	10
Jun-2017	10
Jul-2017	10
Aug-2017	10
Sep-2017	10
Oct-2017	9
Nov-2017	9
Dec-2017	9
Jan-2018	9
Feb-2018	9
Mar-2018	9
Apr-2018	9
May-2018	8
Jun-2018	8
Jul-2018	8
Aug-2018	8
Sep-2018	8
Oct-2018	8
Nov-2018	8
Dec-2018	8
Jan-2019	8