

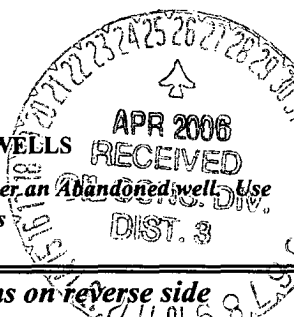
UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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



SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. SF - 077123
2. Name of Operator BP America Production Company Attn: Cherry Hlava		6. If Indian, Allottee or tribe Name
3a. Address P.O. Box 3092 Houston, TX 77253	3b. Phone No. (include area code) 281-366-4081	7. Unit or CA/Agreement, Name and/or No.
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 1105 FSL 4140' FNL & 1095' FEL Sec 12 T28N R09W		8. Well Name and No. Warren LS 2B
		9. API Well No. 30-045-31969
		10. Field and Pool, or Exploratory Area Blanco Mesaverde/Otero Chacra
		11. County or Parish, State San Juan County, New Mexico

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OR NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Abandon
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Water Disposal	
	<input type="checkbox"/> Injection	<input type="checkbox"/> Plug Back	<input checked="" type="checkbox"/> Other	Downhole Commingling

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomple horizontally, give subsurface locations and measured true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

BP America Production Company requests 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) & Otero Chacra (82329) Pools are Pre-Approved Pools for Downhole Commingling per NMOCD order R-11363. The working & overriding royalty interest owners in the proposed commingled pools are identical, therefore no additional notification is required. 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 will not reduce the value of the total remaining production.

CONDITIONS OF APPROVAL

Adhere to previously issued stipulations.

OH C 2230 AZ

14. I hereby certify that the foregoing is true and correct	
Name (Printed/typed) Cherry Hlava	Title Regulatory Analyst
Signature <i>Cherry Hlava</i>	Date 4/12/2006

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by <i>Mark Halbert</i>	Title <i>PET ENG</i>	Date <i>4-24-06</i>
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.		Office <i>BLM - FRO</i>

NMOCD

8

SJ Basin Recompletion Procedure

Well Name: Warren LS 2B
API: 30-045-31969
Location: T28N-R8W-Sec12
County: San Juan, NM
Date: April 11, 2006

Objective: Perforate and frac Chacra, and downhole co-mingle Chacra, with existing Mesaverde

1. Perforate and fracture Chacra.
 2. Return well to production.
 3. Downhole co-mingle Chacra, and Mesaverde.
-

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 or wireline unit. Pressure test lubricator and equipment. Tag for fluid and fill.
4. RIH and set two composite bridge plugs at 3700'. Fill casing w/ 2% KCl.
5. Check and record tubing, casing and bradenhead pressures. Ensure production casing has double casing valves installed. Double valve all casing strings.
6. LO/TO all necessary equipment including but not limited to: meter run, automation, separators and water lines.
7. Pressure test casing to 5,000 psi.
8. 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.

9. RIH with 1-11/16" HSC perforating guns w/lubricator. Perforate Chacra formation:

2 SPF:

10. Rigless frac.

11. 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 5,000 psi during frac job. Flush frac with foam. Fill out GWSI scorecard.

12. 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.

13. MIRU Coil Tubing Unit. Rig up air package/unit, pressure test all lines (Testing procedure to be supplied from air company).

14. Cleanout fill to top of BP set at 3,700'. **Perform well test on Chacra for regulatory and document well test in DIMS. Notify Cherry Hlava (281-366-4081) when well test information is in DIMS.**

15. Drill out composite bridge plugs at 3700' and cleanout to PBTD at +/- 4700'. Blow well dry.

16. Test well for air. Return well to production.

Warren LS 2 B

Sec 12, T28N, R9W

API # 30-045-31969

GL: 5745'

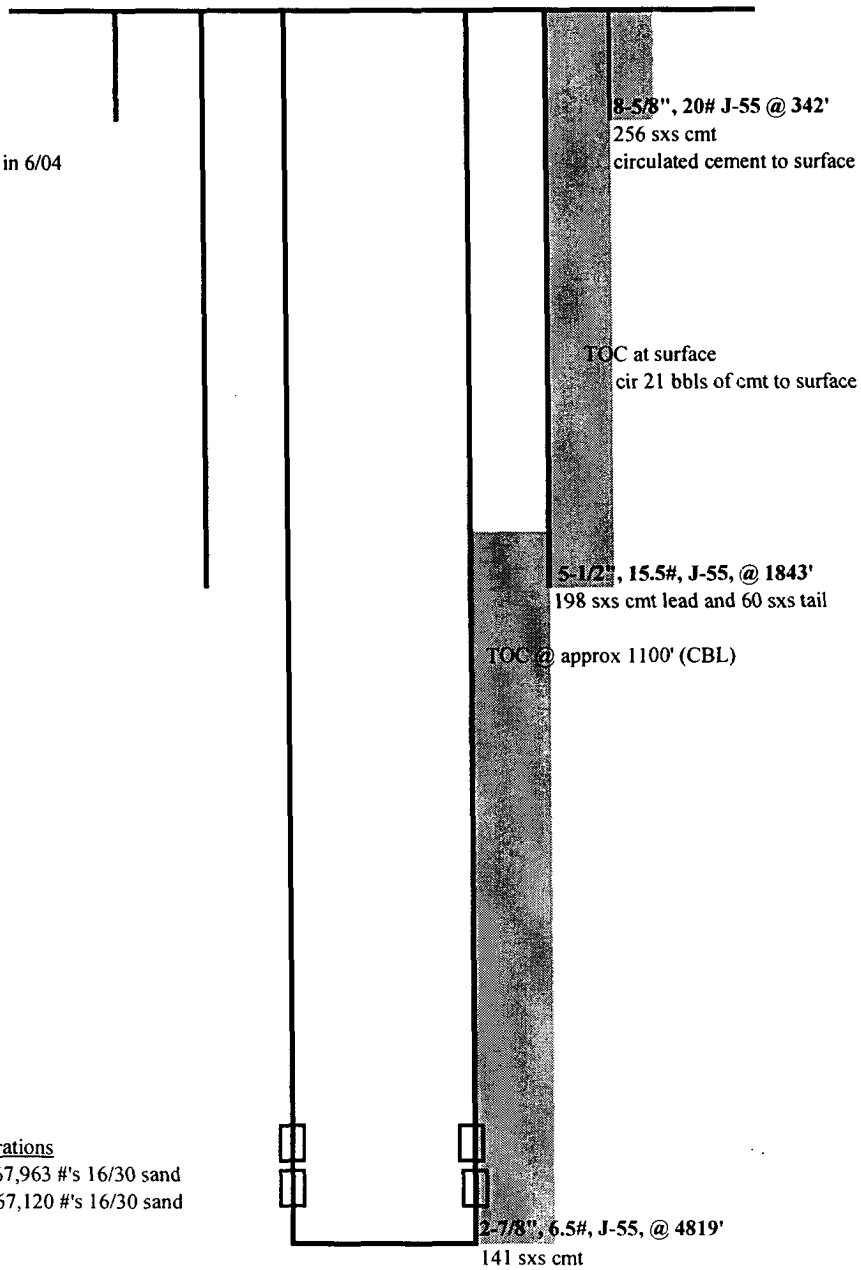
History:

Completed in MV in 6/04

Mesaverde Perforations

3743' - 3873' w/ 67,963 #'s 16/30 sand

4407' - 4525' w/ 67,120 #'s 16/30 sand



PBTD: 4700'

TD: 4823'

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

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Form C-102
Revised August 15, 2000

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-31969	² Pool Code 82329	³ Pool Name Otero Chacra
⁴ Property Code 001212	⁵ Property Name Warren LS	
⁷ OGRID No. 000778	⁸ Operator Name BP America Production Company	
		⁶ Well Number 2B
		⁹ Elevation

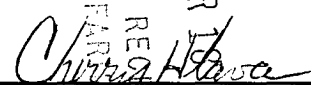
¹⁰ Surface Location

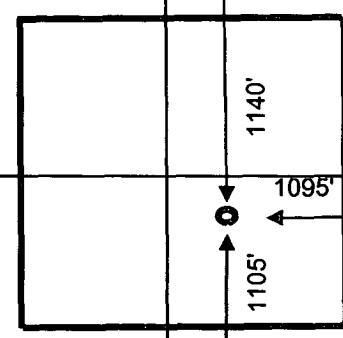
UL or lot no.	Section	Township	Range	Lot Idn	Feet from	North/South	Feet from	East/West	County
F	12	28N	09W		1140	North	1095	East	San Juan

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.  Signature Cherry Hava Printed Name Regulatory Analyst Title 4/12/2006 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. 7/21/2003 Date of Survey Signature and Seal of Professional Surveyor: Gary D. Vann Certificate Number 3950



Warren LS 2B -- MesaVerde Production Forecast					
API Number:	30-045-31969				
Date	Gas Rate mcf/d	Gas Volume MMSCF			
Jan-2006	103	3.20			
Feb-2006	101	2.83			
Mar-2006	99	3.06			
Apr-2006	97	2.90			
May-2006	95	2.93			
Jun-2006	93	2.78			
Jul-2006	91	2.81			
Aug-2006	89	2.75			
Sep-2006	87	2.61			
Oct-2006	85	2.64			
Nov-2006	84	2.51			
Dec-2006	82	2.54			
Jan-2007	80	2.49			
Feb-2007	79	2.21			
Mar-2007	77	2.40			
Apr-2007	76	2.27			
May-2007	74	2.31			
Jun-2007	73	2.19			
Jul-2007	72	2.22			
Aug-2007	70	2.18			
Sep-2007	69	2.07			
Oct-2007	68	2.10			
Nov-2007	67	2.00			
Dec-2007	65	2.03			
Jan-2008	64	1.99			
Feb-2008	63	1.83			
Mar-2008	62	1.92			
Apr-2008	61	1.83			
May-2008	60	1.86			
Jun-2008	59	1.77			
Jul-2008	58	1.79			
Aug-2008	57	1.76			
Sep-2008	56	1.68			
Oct-2008	55	1.71			
Nov-2008	54	1.63			
Dec-2008	53	1.65			
Jan-2009	53	1.63			
Feb-2009	52	1.45			
Mar-2009	51	1.58			
Apr-2009	50	1.51			
May-2009	49	1.53			
Jun-2009	49	1.46			
Jul-2009	48	1.49			
Aug-2009	47	1.46			
Sep-2009	47	1.40			
Oct-2009	46	1.42			
Nov-2009	45	1.35			
Dec-2009	45	1.38			

Date	Gas Rate mcf/d	Gas Volume MMSCF			
Jan-2010	44	1.36			
Feb-2010	43	1.21			
Mar-2010	43	1.32			
Apr-2010	42	1.26			
May-2010	41	1.28			
Jun-2010	41	1.23			
Jul-2010	40	1.25			
Aug-2010	40	1.23			
Sep-2010	39	1.18			
Oct-2010	39	1.20			
Nov-2010	38	1.14			
Dec-2010	38	1.17			
Jan-2011	37	1.15			
Feb-2011	37	1.03			
Mar-2011	36	1.12			
Apr-2011	36	1.07			
May-2011	35	1.09			
Jun-2011	35	1.04			
Jul-2011	34	1.06			
Aug-2011	34	1.05			
Sep-2011	33	1.00			
Oct-2011	33	1.02			
Nov-2011	33	0.98			
Dec-2011	32	1.00			
Jan-2012	32	0.98			
Feb-2012	31	0.91			
Mar-2012	31	0.96			
Apr-2012	31	0.92			
May-2012	30	0.94			
Jun-2012	30	0.90			
Jul-2012	30	0.92			
Aug-2012	29	0.90			
Sep-2012	29	0.86			
Oct-2012	28	0.88			
Nov-2012	28	0.84			
Dec-2012	28	0.86			
Jan-2013	28	0.86			
Feb-2013	27	0.76			
Mar-2013	27	0.84			
Apr-2013	27	0.80			
May-2013	26	0.82			
Jun-2013	26	0.78			
Jul-2013	26	0.80			
Aug-2013	26	0.79			
Sep-2013	25	0.76			
Oct-2013	25	0.77			
Nov-2013	25	0.74			
Dec-2013	24	0.76			
Jan-2014	24	0.75			
Feb-2014	24	0.67			

Date	Gas Rate mcf/d	Gas Volume MMSCF			
Mar-2014	24	0.73			
Apr-2014	23	0.70			
May-2014	23	0.72			
Jun-2014	23	0.69			
Jul-2014	23	0.70			
Aug-2014	22	0.70			
Sep-2014	22	0.67			
Oct-2014	22	0.68			
Nov-2014	22	0.65			
Dec-2014	22	0.67			
Jan-2015	21	0.66			
Feb-2015	21	0.59			
Mar-2015	21	0.65			
Apr-2015	21	0.62			
May-2015	20	0.63			
Jun-2015	20	0.61			
Jul-2015	20	0.62			
Aug-2015	20	0.62			
Sep-2015	20	0.59			
Oct-2015	20	0.60			
Nov-2015	19	0.58			
Dec-2015	19	0.59			
Jan-2016	19	0.59			
Feb-2016	19	0.54			
Mar-2016	19	0.57			
Apr-2016	18	0.55			
May-2016	18	0.56			
Jun-2016	18	0.54			
Jul-2016	18	0.55			
Aug-2016	18	0.55			
Sep-2016	18	0.53			
Oct-2016	17	0.54			
Nov-2016	17	0.52			
Dec-2016	17	0.53			
Jan-2017	17	0.53			
Feb-2017	17	0.47			
Mar-2017	17	0.52			
Apr-2017	17	0.50			
May-2017	16	0.51			
Jun-2017	16	0.49			
Jul-2017	16	0.50			
Aug-2017	16	0.49			
Sep-2017	16	0.47			
Oct-2017	16	0.49			
Nov-2017	16	0.47			
Dec-2017	15	0.48			
Jan-2018	15	0.47			
Feb-2018	15	0.42			
Mar-2018	15	0.47			
Apr-2018	15	0.45			

Date	Gas Rate mcf/d	Gas Volume MMSCF			
May-2018	15	0.46			
Jun-2018	15	0.44			
Jul-2018	15	0.45			
Aug-2018	14	0.45			
Sep-2018	14	0.43			
Oct-2018	14	0.44			
Nov-2018	14	0.42			
Dec-2018	14	0.43			
Jan-2019	14	0.43			
Feb-2019	14	0.38			
Mar-2019	14	0.42			
Apr-2019	13	0.40			
May-2019	13	0.41			
Jun-2019	13	0.40			
Jul-2019	13	0.41			
Aug-2019	13	0.40			
Sep-2019	13	0.39			
Oct-2019	13	0.40			
Nov-2019	13	0.38			
Dec-2019	13	0.39			
Jan-2020	13	0.39			
Feb-2020	12	0.36			
Mar-2020	12	0.38			
Apr-2020	12	0.37			
May-2020	12	0.38			
Jun-2020	12	0.36			
Jul-2020	12	0.37			
Aug-2020	12	0.37			
Sep-2020	12	0.35			
Oct-2020	12	0.36			
Nov-2020	12	0.35			
Dec-2020	11	0.36			
Jan-2021	11	0.35			
Feb-2021	11	0.32			
Mar-2021	11	0.35			
Apr-2021	11	0.33			
May-2021	11	0.34			
Jun-2021	11	0.33			
Jul-2021	11	0.34			
Aug-2021	11	0.34			
Sep-2021	11	0.32			
Oct-2021	11	0.33			
Nov-2021	11	0.32			
Dec-2021	10	0.32			
Jan-2022	10	0.32			
Feb-2022	10	0.29			
Mar-2022	10	0.32			
Apr-2022	10	0.30			
May-2022	10	0.31			
Jun-2022	4	0.11			