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

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

Form C-103
May 27, 2004

WELL API NO. 30-045-07470
7. Indicate Type of Lease STATE ☐ FEE ☐
7. State Oil & Gas Lease No.

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.)

7. Lease Name or Unit Agreement Name: **Warren LS**

1. Type of Well: Oil Well [X] Gas Well ☐ Other

8. Well Number: **4**

2. Name of Operator: **BP America Production Company - Attn: Mary Corley**

9. OGRID Number: **000778**

3. Address of Operator: **P.O. Box 3092 Houston, TX 77253**

10. Pool name or Wildcat: **Blanco Mesaverde/Otero Chacra**

4. Well Location
Unit Letter **H** : **1700** feet from the **North** line and **1090** feet from the **East** line
Section **14** Township **28N** Range **09W** NMPM **San Juan** County

11. Elevation *(Show whether DR, RKB, RT, GR, etc.)* **6091' 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: | | SUBSEQUENT REPORT OF: | |
|---|---|---|---|
| PERFORM REMEDIAL WORK ☐ | PLUG AND ABANDON ☐ | REMEDIAL WORK ☐ | ALTERING CASING ☐ |
| TEMPORARILY ABANDON ☐ | CHANGE PLANS ☐ | COMMENCE DRILLING OPNS. ☐ | P AND A ☐ |
| PULL OR ALTER CASING ☐ | MULTIPLE COMPL ☐ | CASING/CEMENT JOB ☐ | |
| OTHER: **Plug PC & 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.

DHC 2155 AZ

**BP America Production Company request permission to plug the Pictured Cliffs interval and temporarily abandon the Mesaverde Lower perforations; then perforate & frac the Upper Mesaverde and Otero Chacra Pools and commingle production Downhole 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 not identical, therefore all interest owners are being notified via certified mail return receipt requested. Attached is a listing of the interest owners. BLM has also been notified via FORM 3160-5. Production is proposed to be allocated based on a fixed percentage based on well test. It is our intent complete the Upper Mesaverde, then complete into the Chacra, stabilize production and perform flow rate test on the Chacra, drill out the CIBP isolating the Mesaverde, commingle production and perform a flow rate test for the combined zones. The production rate for the Mesaverde will be determined using the flow rate test for the combined pools and minus the Chacra flow test rate. The resulting volumes will be used to determine a fixed percentage rate to be allocated to each pool.**

**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.
SIGNATURE Mary Corley TITLE **Sr. Regulatory Analyst** DATE **02/20/2006**
Type or print name **Mary Corley** E-mail address: **corleyml@bp.com** Telephone No. **281-366-4491**

**For State Use Only**
APPROVED BY: _____ TITLE DEPUTY OIL & GAS INSPECTOR, DIST. #3 DATE FEB 27 2006
Conditions of Approval (if any):

FEB 2006 RECEIVED OIL CONS. DIV. DIST. 3

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 | [2] Pool Code | [3] Pool Name |
|---|---|---|
| 30-045-07470 | 82329 | Otero Chacra |

| [4] Property Code | [5] Property Name | [6] Well Number |
|---|---|---|
| 001212 | Warren LS | 4 |

| [7] OGRID No. | [8] Operator Name | [9] Elevation |
|---|---|---|
| 000778 | BP America Production Company | 6091' GR |

## [10] Surface Location

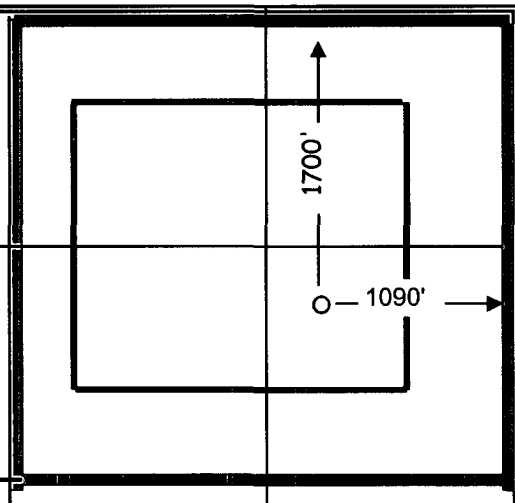
| UL or lot no. | Section | Township | Range | Lot Idn | Feet from | North/South | Feet from | East/West | County |
|---|---|---|---|---|---|---|---|---|---|
| Unit H | 14 | 28N | 09W | | 1700 | North | 1090 | East | San Juan |

## [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 | [13] Joint or Infill | [14] Consolidation Code | [15] Order No. |
|---|---|---|---|
| 160 | | | |

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.*

Mary Corley

Signature

Mary Corley

Printed Name

Sr. Regulatory Analyst

Title

2/21/2006

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.*

on file

Date of Survey

Signature and Seal of Professional Surveyor:

Certificate Number

# Warren LS 4
## Plug & Abandon the PC; T&A Lower Mesaverde; Perforate and frac Menefee (Upper Mesaverde) and Chacra. Downhole commingle Chacra and Mesaverde
## February 15, 2006

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**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. Hold pre-job safety meeting and discuss all JSA's with all BP and third party personnel. The Pre-job safety meeting should cover: heavy lifts, pinch points, location hazards, pressure hazards, and proper PPE

4. RU slickline unit. Tag for fill. 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.

5. Check and record tubing, casing, and bradenhead pressures. Ensure production casing has double casing valves installed. Double valve all casing strings.

6. MIRU workover rig. LOTO all necessary equipment including but not limited to: meter run, automation, separator, and water line.

7. Blow down wellhead. Kill with 2% KCL water ONLY if necessary.

8. 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.**

9. Nipple down WH. NU BOPs and diversion spool with 3" outlets and 3" pipe to the blow tank. Pressure test BOPs to 200 psi above BHP.

10. TOH and LD old 2-3/8" production tubing.

11. RU wireline and set 5-1/2" composite BP @ 2600' in 5-1/2" liner.

12. RIH with workstring to set cement plug. Cement squeeze PC interval from 2400'-2600'. This will put cement across the Picture Cliff perforated interval. TOH. WOC.

13. Drill out PC cement plug and composite BP with mill for 7-5/8" CSA to 2570'. Just above 5-1/2" liner top at 2574'.

14. Pressure test casing to ensure PC plug integrity. If casing doesn't pass pressure test RIH with Retrievable plug and find hole in casing. Call production engineer if casing squeezes are necessary.

15. RIH with mill for 5-1/2" liner and finish drilling out PC cement plug and composite BP to 2600'.

16. Rig up air package unit and C/O to PBTD @ 4820'. Blow well dry. RD air unit MO.

17. TIH w/ scraper for 5-1/2". 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 4,820'. POOH.

18. Tubing set bridge plug at 4,600'. Fill casing w/ 2%KCl from the bottom up and test to 2,500 psi w/ rig pumps.

19. RU E-line equipment. Pressure test lubricator and equipment. Log well w/ CBL from CIBP to 2570. If TOC is below 2880', contact engineer to discuss need for remedial cement squeeze.

20. Log well w/ RST from CIBP to 3000'. Send to Houston in order to pick perf intervals.

21. TIH w/ workstring and blow well dry.

22. 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.

23. RIH with 3-1/8" casing guns w/lubricator. Perforate Menefee formation: **w/ 2 SPF**

24. RIH with 3-1/2" string and packer. Set packer at +/-2600'

25. 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 les than 3,000 psi during frac job. Flush frac with foam. Fill out GWSI scorecard.

26. 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.

27. TOH w/ 3-1/2" string and packer.

28. Set BP at +/- 4300' to isolate the MV formation.

29. 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.

30. RIH with 3-1/8" casing guns w/lubricator. Perforate Chacra formation: **w/ 2 SPF**

31. RIH with 3-1/2" string and packer. Set packer at +/-2600'

32. 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 les than 3,000 psi during frac job. Flush frac with foam.

33. 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.

34. 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 4,300'. **Perform well test on Chacra and document well test in DIMS.**

35. Cleanout fill and BP set at 4,300' and BP set at 4600'. Cleanout to PBTD at 4,820'. Blow well dry.

36. Rabbit tubing and RIH with 2-3/8" production tubing (with muleshoe, F-nipple with plug, 4 ft pup, X-nipple with plug).

37. Land 2-3/8" production tubing at +/-4,600'. Lock down hanger.

38. 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.**

39. 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.

40. 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.

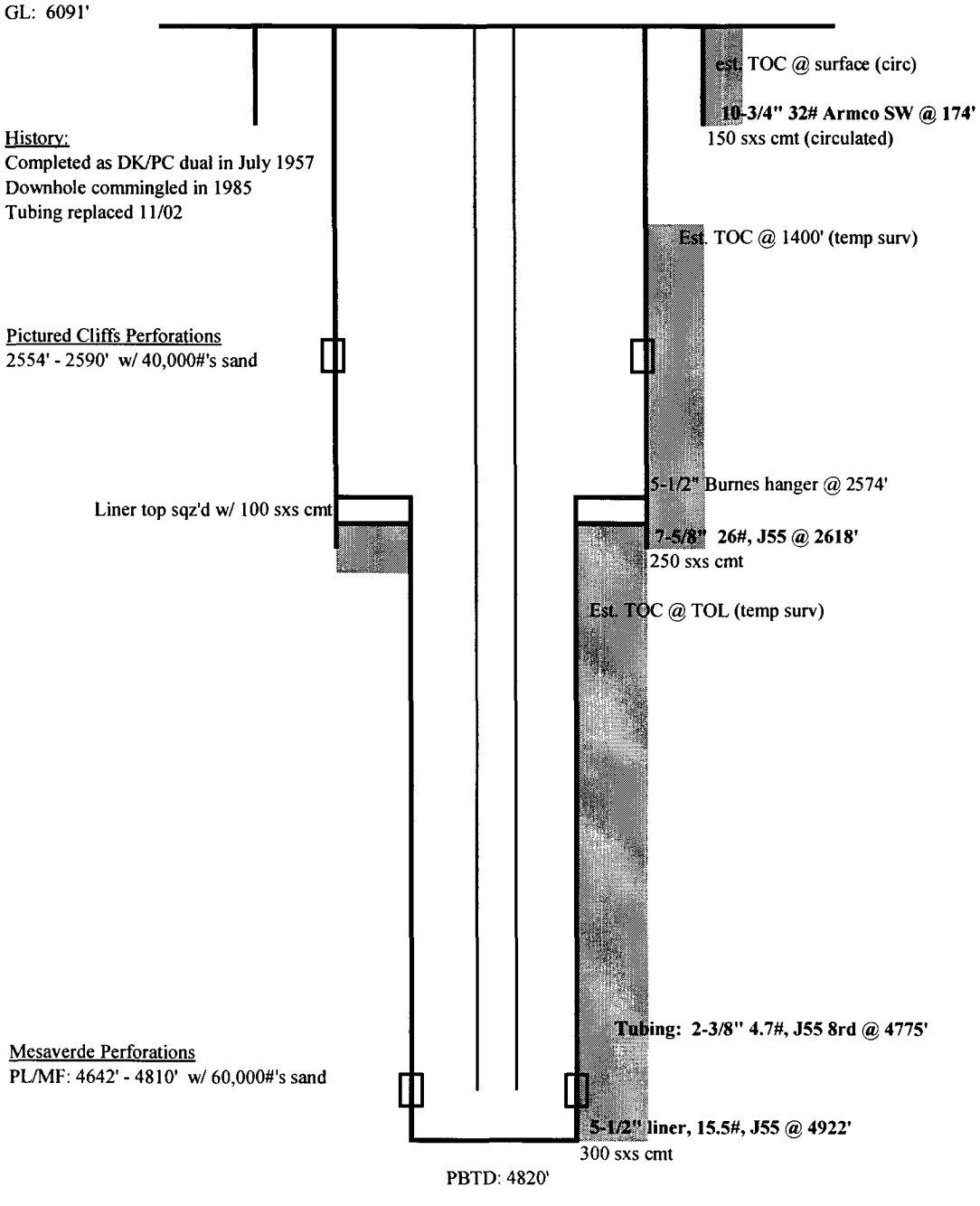
41. RD slickline unit.

42. Test well for air. Return well to production and downhole co-mingle Chacra and Mesaverde.

# Warren LS #4

Sec 14, T28N, R9W

API # 30-045-07470




**NOTES:**

updated: 2/13/06 JG