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
March 4, 2004

| | |
|---|---|
| WELL API NO. | 30-045-07497 |
| 5. Indicate Type of Lease | STATE ☐ FEE ☐ |
| 6. 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.)

RECEIVED DEC 2004 OIL CONS. DIV. DIST. 3

| | |
|---|---|
| 7. Lease Name or Unit Agreement Name | Warren LS (Filed with BLM - Federal Lease SF-077123) |
| 1. Type of Well: Oil Well ☐ Gas Well ☒ Other | 8. Well Number 1 |
| 2. Name of Operator BP America Production Company | 9. OGRID Number 000778 |
| 3. Address of Operator P O Box 3092 Houston, TX 77253 Attn: Mary Corley Rm 19.171 | 10. Pool name or Wildcat Blanco Mesaverde & Otero Chacra |

4. Well Location

Unit Letter A : 990 feet from the North line and 890 feet from the East line

Section 13 Township 28N Range 09W NMPM San Juan County

11. Elevation *(Show whether DR, RKB, RT, GR, etc.)* 5831'

**Pit or Below-grade Tank Application (For pit or below-grade tank closures, a form C-144 must be attached)**

Pit Location: UL A Sect 13 Twp 28N Rng 09W Pit type Workover Depth to Groundwater >100 Distance from nearest fresh water well >1000

Distance from nearest surface water >1000' Below-grade Tank Location UL_____ Sect_____ Twp_____ Rng_____ ;

+/- 990 feet from the North line and +/-890 feet from the East line

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. ☐ | PLUG AND ABANDONMENT ☐ |
| PULL OR ALTER CASING ☐ | MULTIPLE COMPLETION ☐ | CASING TEST AND CEMENT JOB ☐ | |
| OTHER: **Recompletion & DHC - Pit Permit** ☒ | | 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 and commingle production Downhole with the existing Blanco Mesaverde as per the attached procedure.**

DHC1728AZ

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 11/17/2004

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

(This Space for State Use)

APPPROVED BY TITLE DEPUTY OIL & GAS INSPECTOR, DIST. 3 DATE DEC 20 2004

Conditions of approval, if any:

# Warren LS 1
# 30-045-07497
# Downhole Commingling

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**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 further notification of this application 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 with not reduce the value of the total remaining production.**

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## PIT

**Construct a lined workover pit per BP America – San Juan Basin Drilling/ Workover Pit Construction Plan issued date of 04/15/2004. Pit will be closed according to closure plan on file.**

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District I
1625 N. French Dr., Hobbs, NM 88240
District II
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District IV
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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 |
|---|---|---|
| 30-045-07497 | 82329 | Otero Chacra |

| [4] Property Code | [5] Property Name | [6] Well Number |
|---|---|---|
| 001212 | Warren LS | 1 |

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

## [10] Surface Location

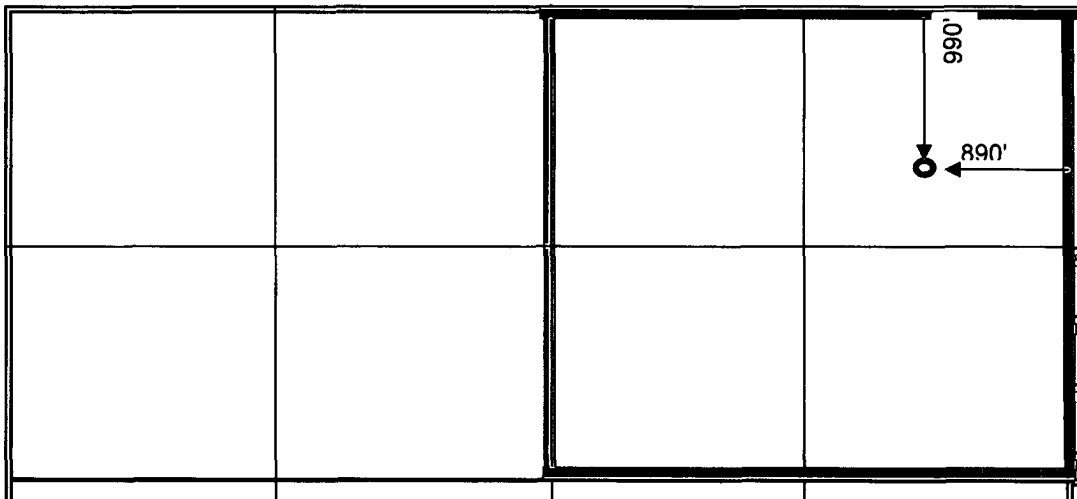
| UL or lot no. | Section | Township | Range | Lot Idn | Feet from | North/South | Feet from | East/West | County |
|---|---|---|---|---|---|---|---|---|---|
| Unit A | 13 | 28N | 09W | | 990 | North | 890 | East | San Juan |

## [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.*

Signature: Mary Corley

Printed Name: Mary Corley

Title: Sr. Regulatory Analyst

Date: 12/13/2004

## [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.*

Date of Survey: 7/28/1951

Signature and Seal of Professional Surveyor:

Charles J Finklea 1302

Certificate Number

# Warren LS 1
## Complete to the Chacra & Downhole Commingle with Mesaverde
**December 8, 2004**

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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. 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 4191'. Using approved "Under Balance Well Control Tripping Procedure".

11. PU 3-1/2" drillpipe workstring.

12. TIH w/ scraper for 7". 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 3,750'. POOH.

13. Set retrievable BP at 3,700'. Fill casing w/ 2%KCl and test to 2,500 psi w/ rig pumps.

14. RU E-line equipment. Pressure test lubricator and equipment. Log well w/ CBL and TDT log from PBTD to surface. If TOC is below 2805', contact engineer to discuss need for remedial cement squeeze. Send TDT log to Houston to allow Chacra perforations to be picked.

15. TIH w/ workstring and blow well dry. Retrieve packer set at 3,700'

16. TIH with bit for 6-1/4" open hole and work down to PBTD at 4708'. Contact drilling engineer to discuss details of open hole clean out.

17. 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 <3,000 psi during frac job. Flush frac with foam. Fill out GWSI scorecard.

18. 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.

19. Set retrievable BP at 3500'.

20. 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.

21. RIH with 3-1/8" casing guns w/lubricator. Perforate Chacra formation (correlate to TDT log run above). Interval to be determined from TDT log.

22. 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 , 3000 psi during frac job. Flush frac with foam. Fill out GWSI scorecard.

23. 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.

24. 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 retrievable BP. **Perform well test on Chacra for regulatory and document well test in DIMS.** Then cleanout fill and retrieve BP set at 3500'.

25. TIH w/ bit for 6-1/4" open hole. Cleanout fill to PBTD 4708'. Blow well dry.

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

27. Land 2-3/8" production tubing at +/-4150'. Lock down hanger.

28. 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.**

29. 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.

30. 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.

31. RD slickline unit.

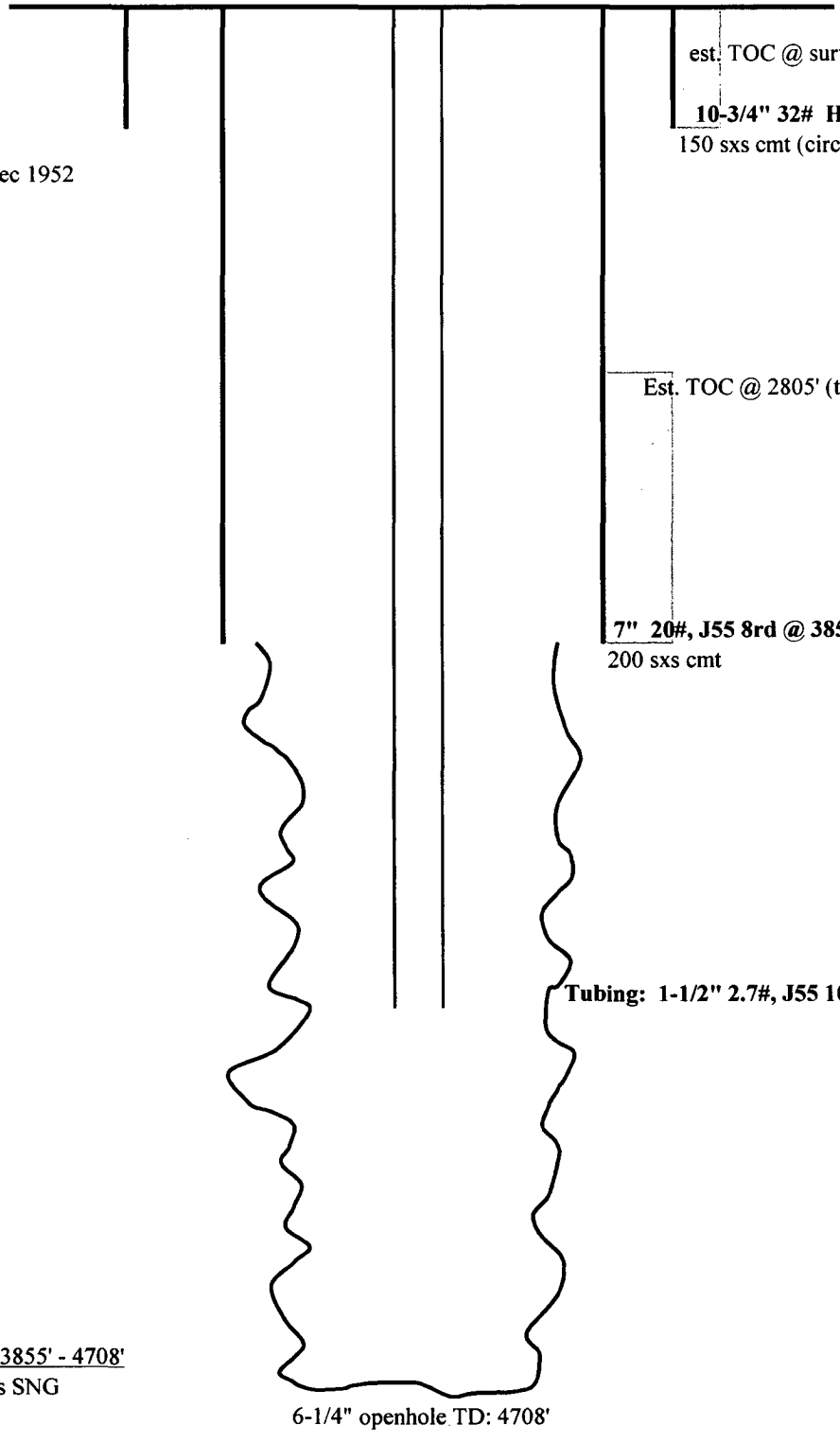
32. Test well for air. Return well to production and downhole co-mingle Chacra and Mesaverde.

# Warren LS #1

Sec 13, T28N, R9W

API # 30-045-07497

GL: 5831'




History:
Completed as in Dec 1952

Openhole Inteval: 3855' - 4708'
-shot with 1900 qts SNG

**NOTES:**

updated: 5/6/04 GKC