

State of New Mexico
Energy, Minerals and Natural Resources Department

Susana Martinez
Governor

David Martin
Cabinet Secretary

Brett F. Woods, Ph.D.
Deputy Cabinet Secretary

David R. Catanach, Division Director
Oil Conservation Division



New Mexico Oil Conservation Division approval and conditions listed below are made in accordance with OCD Rule 19.15.7.11 and are in addition to the actions approved by BLM on the following 3160-4 or 3160-5 form.

Operator Signature Date: 10/22/15

Well information:

| API WELL # | Well Name | Well # | Operator Name | Type | Stat | County | Surf_Owner | UL | Sec | Twp | N/S | Rng | W/E |
|--------------------|-----------|--------|-------------------------------|------|------|----------|------------|----|-----|-----|-----|-----|-----|
| 30-045-13253-00-00 | WARREN LS | 005 | BP AMERICA PRODUCTION COMPANY | G | A | San Juan | F | G | 24 | 28 | N | 9 | W |

Application Type:

- P&A
 Drilling/Casing Change
 Location Change
 Recomplete/DHC (For hydraulic fracturing operations review EPA Underground injection control Guidance #84)
 Other: Zone P/A

Conditions of Approval:

Notify OCD 24hrs prior to the subsequent pressure test so it can be witnessed if possible.

NMOCD Approved by Signature

11/19/15
Date

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0135
Expires: July 31, 2010

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.

5. Lease Serial No.
NMSF077123

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

8. Well Name and No.
WARREN LS 5

9. API Well No.
30-045-13253-00-C1

10. Field and Pool, or Exploratory
Multiple--See Attached

11. County or Parish, and State
SAN JUAN COUNTY, NM

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
BP AMERICA PRODUCTION CO. Contact: TOYA COLVIN
E-Mail: Toya.Colvin@bp.com

3a. Address
200 ENERGY CT.
FARMINGTON, NM 87401

3b. Phone No. (include area code)
Ph: 281-366-7148

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Sec 24 T28N R9W SWNE 1850FNL 1750FEL
36.649780 N Lat, 107.736328 W Lon

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF 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"/> Other |
| | <input type="checkbox"/> Change Plans | <input type="checkbox"/> Plug and Abandon | <input type="checkbox"/> Temporarily Abandon | |
| | <input type="checkbox"/> Convert to Injection | <input checked="" type="checkbox"/> Plug Back | <input type="checkbox"/> Water Disposal | |

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 recomplete horizontally, give subsurface locations and measured and 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 respectfully requests to plug the Aztec Pictured Cliffs formation in the subject well and produce the well efficiently from the Otero Chacra & Blanco-Mesaverde.

OIL CONS. DIV DIST. 3

Please see the attached procedure including wellbore diagrams.

OCT 29 2015

In accordance with NMOCD Pit Rule 19.15.17.9 NMAC, BP will use a closed-loop system during operations.

**SEE ATTACHED FOR
CONDITIONS OF APPROVAL**

BLM'S APPROVAL OR ACCEPTANCE OF THIS ACTION DOES NOT RELIEVE THE LESSEE AND OPERATOR FROM OBTAINING ANY OTHER AUTHORIZATION REQUIRED FOR OPERATIONS ON FEDERAL AND INDIAN LANDS

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #321027 verified by the BLM Well Information System
For BP AMERICA PRODUCTION CO., sent to the Farmington
Committed to AFMSS for processing by ABDELGADIR ELMADANI on 10/26/2015 (16AE0096SE)

| | |
|-----------------------------------|--------------------------|
| Name (Printed/Typed) TOYA COLVIN | Title REGULATORY ANALYST |
| Signature (Electronic Submission) | Date 10/22/2015 |

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

| | | |
|---|---------------------------------|------------------------|
| Approved By <u>ABDELGADIR ELMANDANI</u> | Title <u>PETROLEUM ENGINEER</u> | Date <u>10/26/2015</u> |
| 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 Farmington |

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

NMOCD *RY*

Additional data for EC transaction #321027 that would not fit on the form

10. Field and Pool, continued

OTERO CHACRA

Oil Cons. Div. Dist. 2

BLM'S APPROVAL OR ACCEPTANCE OF THIS
ACTION DOES NOT BELIEVE THE LESSEE AND
OPERATOR FROM OBTAINING ANY OTHER
AUTHORIZATION REQUIRED FOR OPERATIONS
ON FEDERAL AND INDIAN LANDS

CONDITIONS OF APPROVAL

WMOOD

Warren LS 005-PC/CH/MV

API # 30-045-13253-00

Location: G SEC. 24, T28N, R09W

San Juan County, New Mexico

Reason/Background for Job

The proposed work is to isolate the Pictured Cliffs formation and produce the well efficiently from the Chacra and Mesaverde formations.

Basic job procedure

1. Pull tubing
2. RIH and set 5-1/2" RBP at +/- 2,370' KB
3. Set 7-5/8" pkr at +/- 2,330' KB and pressure test RBP to 500psig
4. TOH with 7-5/8" pkr
5. Isolate Pictured Cliffs perforations with casing patch or cement squeeze
6. RIH and set 7-5/8" pkr above abandoned PC perforations
7. Pressure test isolation job to 500psig
8. POOH with 7-5/8" pkr and retrieve 5-1/2" RBP
9. TIH with tbg and cleanout to PBSD @ 4660' KB
10. Land tubing @ +/- 4470' KB
11. Return well to production

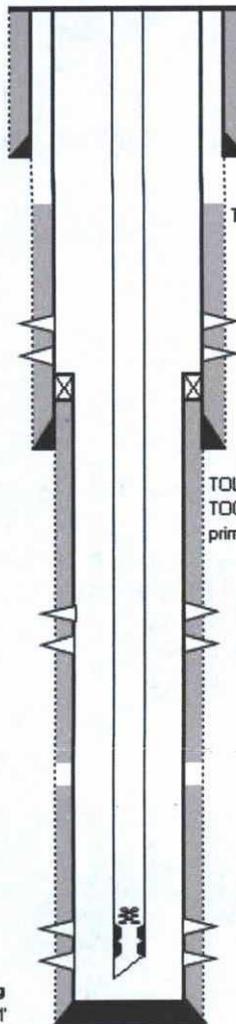
Current WBD



WARREN LS 005-PC/CH/MV
Pictured Cliffs / Chacra / Mesaverde
API # 300451325300
SEC 24, T28N, R9W
NEW MEXICO

* Max Temp 139 deg F

GL: 5896'
KB: 10'



TOC: Surface (circ.)

Surface Casing Data

Hole Size

10-3/4", 32.75#, Armco SW @ 17T
150 sxs cmt

TOC: 810' (T.S. 3/19/57)

Pictured Cliffs Completion

2230'-2270' (2spf), frac w/ 40k# 20/40 sand & water

Production Casing Data

9-7/8" Hole
7-5/8", 26.4#, J-55 @ 2420'
200 sxs 50/50 poz, tail w/ 50 sxs reg. cmt

TOL: 2349'

TOC: TOL (sqz'd liner top w/ additional 100 sxs neat cmt,
primary TOC @ 3900' - T.S. 3/2/57)

Chacra Completion

3182'-3373' gross (4spz, 60 holes)
frac w/ 256,500# 16/30 sand & 70Q N2 foam

Mesaverde Completion

MN: 3980'-4365' gross (2spf, 30 holes)
frac w/ 99,500# 16/30 Brady sand & Propnet, N2 foam
PL: 4467'-4484', 4530'-4550', 4570'-4586', 4640'-52' (4spf)
frac w/ 60k# 20/40 sand & water

Production Liner Data

6-3/4" Hole
5-1/2", 15.5#, J-55 @ 2349'-4707'
300 sxs 50/50 poz cmt

Tubing Details

2-3/8", 4.7#, J-55 @ 4541'

Nipple Data

Stop @ 4522' wlm 6/8/04
X-Nipple @ 4533'
F-Nipple @ 4538'

End of Tubing
4541'

PBTD: 4660'
Total Depth: 4712'

Updated 10/9/15 JJvW

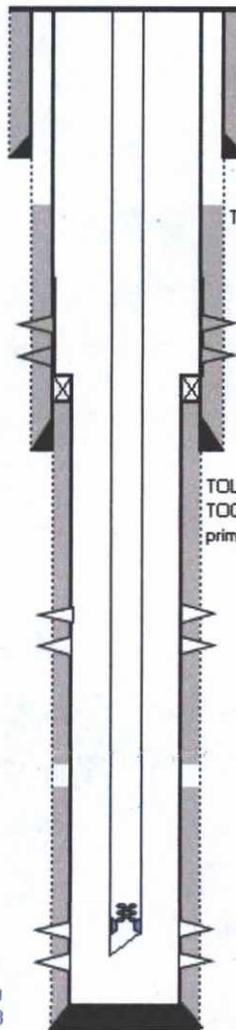


Proposed WBD

GL: 5896'
KB: 10'

WARREN LS 005-PC/CH/MV
Pictured Cliffs / Chacra / Mesaverde
API # 300451325300
SEC 24, T28N, R9W
NEW MEXICO

* Max Temp 139 deg F



TOC: Surface (circ.)

Surface Casing Data

Hole Size

10-3/4", 32.75#, Armo SW @ 171'
150 sxs cmt

TOC: 810' (T.S. 3/19/57)

Pictured Cliffs Completion (Abandoned 2015)

2230'-2270' (2spf), frac w/ 40k# 20/40 sand & water

Production Casing Data

9-7/8" Hole
7-5/8", 26.4#, J-55 @ 2420'
200 sxs 50/50 poz, tail w/ 50 sxs reg. cmt

TOL: 2349'

TOC: TOL (sqz'd liner top w/ additional 100 sxs neat cmt,
primary TOC @ 3900' - T.S. 3/2/57)

Chacra Completion

3182'-3373' gross (4spf, 60 holes)
frac w/ 256,500# 16/30 sand & 70Q N2 foam

Tubing Details

2-3/8", 4.7#, J-55 @ 4470'

Nipple Data

PRSV Stop in F-nipple
F-Nipple @ +/- 4467' KB

End of Tubing
4470' KB

Mesaverde Completion

MN: 3980'-4365' gross (2spf, 30 holes)
frac w/ 99,500# 16/30 Brady sand & Propnet, N2 foam
PL: 4467'-4484', 4530'-4550', 4570'-4586', 4640'-52' (4spf)
frac w/ 60k# 20/40 sand & water

Production Liner Data

6-3/4" Hole
5-1/2", 15.5#, J-55 @ 2349'-4707'
300 sxs 50/50 poz cmt

PBTD: 4660'
Total Depth: 4712'

Updated 10/9/15 JJW

BLM CONDITION OF APPROVAL

CASING REPAIR, WORKOVER AND RECOMPLETION OPERATIONS:

1. If casing repair operations are needed, obtain prior approval from this office before commencing repairs. If a CBL or other logs are run, provide this office with a copy.
2. After any casing repair operations, test cement squeeze to a minimum of 500# for 30 minutes with no more than 10 % pressure fall off in the 30 minute test period. Provide test chart with your subsequent report of operations
3. A properly functioning BOP and related equipment must be installed prior to commencing workover, casing repair, and/or recompletion operations.
4. **Contact this office at (505) 564-7750 prior to conducting any cementing operations**

SPECIAL STIPULATIONS:

1. **Pits will be fenced during work-over operation.**
2. **All disturbance will be kept on existing pad.**
3. **All pits will be pulled and closed immediately upon completion of the recompletion and work-over activities.**
4. **Pits will be lined with an impervious material at least 12 mils thick.**