

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.
NMNM04208

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.
MCCULLEY LS 4E

9. API Well No.
30-045-32511-00-C1

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

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

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
BP AMERICA PRODUCTION COMPANY
Contact: TOYA COLVIN
Email: Toya.Colvin@bp.com

3a. Address
501 WESTLAKE PARK BLVD. THREE ELDRIGE PLACE
HOUSTON, TX 77079

3b. Phone No. (include area code)
Ph: 281-892-5369

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Sec 14 T28N R9W NENW 730FNL 1510FWL
36.666670 N Lat, 107.751940 W Lon

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input 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 checked="" 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 checked="" type="checkbox"/> Other Workover Operations
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input 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.)

As requested by the NMOCD, please see the attached summary detailing our interpretation of the TOC in the subject well, and our proposal to run CBL after 90 day flow test period.

OIL CONS. DIV DIST. 3

NOV 17 2016

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

**Electronic Submission #356585 verified by the BLM Well Information System
For BP AMERICA PRODUCTION COMPANY, sent to the Farmington
Committed to AFMSS for processing by JACK SAVAGE on 11/14/2016 (16WMT0045SE)**

Name (Printed/Typed) TOYA COLVIN	Title REGULATORY ANALYST
Signature (Electronic Submission)	Date 11/01/2016

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By ACCEPTED	JACK SAVAGE Title PETROLEUM ENGINEER	Date 11/14/2016
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 ****

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McCulley LS 4E Lewis MV pay-add cement summary

Past interpretation of the 2005 CBL indicated top of cement behind 4-1/2" production casing at 3868'. However, volumetric calculations and amplitude readings of 30-50mV from the CBL indicate presence of light cement above that depth. Assuming 30% losses, 70.4 bbls of Litecrete cement pumped during the primary cement job yields ~2690' in 4-1/2" casing x 6-1/4" hole, and placed above 3868' would give a TOC above the top of the CBL logged interval at 2800'.

Prior to perforating main Lewis Mesaverde pay zone, 4 squeeze holes were perforated at 3400' at the top of the pay zone. The perfs then pressured up to 2000psig with no leak-off indicating the presence/bond of light cement behind casing, and the inability to squeeze additional cement. The intermediate casing pressure was then monitored during the stimulation and remained at 0psig, further indicating pressure isolation behind the production casing provided by light cement.

Following a flowtest of the Lewis Mesaverde (no more than 90 days), a CBL will be run during post-frac downhole comingle operations to confirm the true top of cement in the wellbore.