Form 3160-5
(August 1999)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANGEMENT

FORM APPROVED
OMB No 1004-0135
Expires November 30, 2000

2007 JUN 21 AM 10:45

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.

RECEIVED
070 FARMINGTON NM

SUBMIT IN TRIPLICATE – Other instructions on reverse side

5. Lease Serial No. **SF - 078566**

6. If Indian, Allottee or tribe Name

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

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

8. Well Name and No. **Storey LS 4A**

2. Name of Operator **BP America Production Company Attn: Cherry Hlava**

9. API Well No. **30-045-29050**

3a. Address **P.O. Box 3092 Houston, TX 77253**

3b. Phone No. *(include area code)* **281-366-4081**

10. Field and Pool, or Exploratory Area **Otero Chacra**

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)* **1790' FNL & 1570' FWL** 34-28N-8W

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			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water shut-Off
Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	■ Recomplete	☐ Other
	☐ Change Plans	☐ Plug and Abandon	☐ Water Disposal	
	☐ Convert to Injection	☐ Plug Back		

RCVD JUN25'07
OIL CONS. DIV.
DIST. 3

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 respectfully request permission to T&A the MV & DK portion of said well and complete to the Otero Chacra formation by setting a CIBP @3700' and perforating the Chacra. It is BP's intent to flow test the Chacra for an extended period of time.

Depending on Chacra production, BP may request permission to Tri-mingle said well at some future date. Please see the attached procedure.

14. I hereby certify that the foregoing is true an dcorrect
Name (Printed/typed) **Cherry Hlava** Title **Regulatory Analyst**

Signature *Cherry Hlava* Date **06/19/2007**

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by **Original Signed: Stephen Mason**	Title	Date **JUN 2 2 2007**
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	

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 with its jurisdiction.

FARMINGTON NMOCD

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(505) 393-6161 Fax:(505) 393-0720
District II
1301 W Grand Ave., Artesia, NM 88210
Phone:(505) 748-1283 Fax:(505) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

Form C-102
Permit 24484

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number	2 Pool Code	3. Pool Name
30-045-29050	82329	OTERO CHACRA (GAS)

4. Property Code	5. Property Name	6. Well No.
1133	STOREY LS	004A

7. OGRID No	8. Operator Name	9. Elevation
778	BP AMERICA PRODUCTION COMPANY	

10. Surface Location

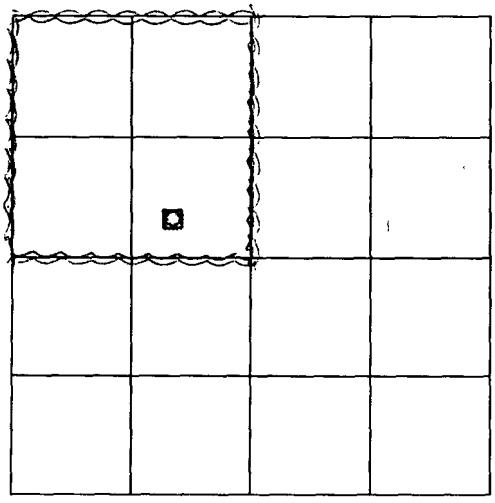
UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
F	34	28N	08W		1790	N	1570	W	SAN JUAN

11. Bottom Hole Location If Different From Surface

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County

12. Dedicated Acres	13. Joint or Infill	14 Consolidation Code	15. Order No
160.00			

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



OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

E-Signed By: Cherry Hlava
Title: Regulatory Analyst
Date: 6-19-07

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

Surveyed By: Gary Vann
Date of Survey: 8/25/2005
Certificate Number: 7016

SJ Basin Well Work Procedure

Well Name: **Storey LS #4A**
Date: **June 18, 2007**
Repair Type: **Recompletion**

Objective: Perforate and frac Chacra, flow test, and at future time downhole co-mingle Chacra, Mesa Verde, and Dakota

1. TOH with completion.
2. Set Bridge Plug over the MV and Dakota completion
3. Perforate and fracture Chacra.
4. Land tbg and return well to production.
5. **Evaluate the Chacra by long term sales test**
6. Move rig back in and drill bridge plug
7. Downhole co-mingle Chacra, and Mesaverde.

Location:	T28N-R8W-Sec34	API #:	30-045-29050
County:	San Juan		
State:	New Mexico	Engr:	Richard Pomrenke
Horizon:	Mesaverde/Dakota/Chacra	ph (281) 366-5023	
		Cell 281 455 8449	

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. If bradenhead pressure is observed and does not blow down, we will perform a bradenhead repair after identifying TOC in the 5 1/2" casing.

6. MIRU workover rig. LO/TO all necessary equipment including but not limited to: meter run, Automation, Separators and water lines.

7. Blow down well. 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 Wellhead. NU 2 3/8" 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.

10. 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.

11. TOH with 2 3/8" production tubing currently set at 6646'. Using approved "Under Balance Well Control Tripping Procedure".

12. TIH w/ 5 1/2" scrapers. 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 3700'. POOH.

13. Set composite bridge plug at 3700'. Fill casing w/ 2%KCl.

14. RU E-line equipment. Pressure test lubricator and equipment. Log well with CBL from 3700' to surface. Run RST from 3700' to 2400'. Note: Upload CBL into Schlumberger system as soon as possible.

15. Replace Wellhead if needed.

16. TIH with 5 ½" test packer on 3 ½" 9.3 N80 frac string. Set Packer at +/-2500'

17. Pressure test 5 ½" casing down tubing to 2000 psi surface pressure. Note with 2% KCl fluid in the hole, the 5 ½" casing will be tested to approximately 3600 psi. **Fracture treatment bottom hole treating pressure is 2800 psi at 50 BPM**

18. Prior to coming out of hole with packer and tubing, spot 600 (14.2 bbls) gallons of 15% HCL from 3300' to 2700'. TOH w/ tubing and packer. Note: Attempt to schedule perforating the same day as acid spotting.

19. TOH w/ tubing and packer.

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 **3-1/2" High Shot Density casing gun loaded with Power Jet charges at 4 SPF 60 Degree Phasing Exact depths for Storey LS 4A will be determined from RST Log.**

22. TIH w/ 3-1/2" N-80 frac string with 5 ½" x 2 7/8" packer. Configure packer assembly as 2 7/8" x 5 ½ (full bore); 2 7/8 down hole shutoff valve. This assembly will be made up and pressure tested in the packer service shop.

23. RU 10,000 psi Stinger Isolation Tool (use full bore tool to reduce turbulence and chance for washout). Space out and land frac string at +/- 2500' and set packer.

24. Prior to closing the Shut-off valve, establish injection into well and pump minimum of 30 bbls 2%KCl after tubing fill-up. This will displace acid to formation and inure that perforations are open. Close shutoff valve. Load tubing and pressure test to approximately 1500 psi with rig pumps. RU test pump and pressure test tubing to **8000** psi for 10-15 minutes.

25. RU Schlumberger frac equipment. Purge pumps and pressure test iron to frac valve at 8000 psi. Set pump trips at 7200 psi. Treat well at a maximum of 7200 psi at 55 BPM.

26. Install and monitor production casing and treating pressure during entire job in frac van via pressure transducers on production casing and treating line.

27. Maintain surface pressures less than 7200 psi during frac job. Flush frac with foam. Fill out GWSI scorecard.

28. Flowback frac immediately. Flow well through choke manifold on ¼", ½" and ¾" chokes slowly increasing drawdown until well dies or stabilizes. This is to aid in reducing sand flowback. Recommend 8 hours of flow for each choke size.

29. Release packer. TOH w/ 3 ½:" frac string and packer.

30. Rig up air package/unit, pressure test all lines (Testing procedure to be supplied from air company), TIH with 2 3/8" tubing and notched collar. Cleanout fill to BP set at +/-3700'.

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

32. Land 2-3/8" production tubing at +/- 50' above Chacra perforations. Lock down 2 3/8" tubing hanger and bonnet.

33. 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.**

34. 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.

35. RU WL unit. Run gauge ring for 2-3/8" tubing. Pull plugs.

36. RD slickline unit.

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

Note: It is imperative that advance communications be made with planning and scheduling well ahead of rig move off to hookup this well to gas sales.

Richard W. Pomrenke
Production Engineer-Consultant