

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB NO. 1004-0135  
Expires: November 30, 2000

**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.**

**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NMSF078580A	
2. Name of Operator BP AMERICA PRODUCTION CO		6. If Indian, Allottee or Tribe Name	
3a. Address 200 ENERGY CT FARMINGTON, NM 87402		7. If Unit or CA/Agreement, Name and/or No. NMMN80136	
3b. Phone No. (include area code) Ph: 281-366-4491		8. Well Name and No. MOORE GAS COM 1	
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 9 T30N R8W NESW 1550FSL 1690FWL 36.82057 N Lat, 107.68254 W Lon		9. API Well No. 30-045-27591-00-S1	
		10. Field and Pool, or Exploratory BASIN FRUITLAND COAL	
		11. County or Parish, and State SAN JUAN COUNTY, NM	

**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"/> Subsequent Report	<input checked="" type="checkbox"/> Deepen
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Alter Casing
	<input type="checkbox"/> Fracture Treat
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Change Plans
	<input type="checkbox"/> Plug and Abandon
	<input type="checkbox"/> Convert to Injection
	<input type="checkbox"/> Plug Back
	<input type="checkbox"/> Production (Start/Resume)
	<input type="checkbox"/> Reclamation
	<input type="checkbox"/> Recomplete
	<input type="checkbox"/> Temporarily Abandon
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Well Integrity
	<input type="checkbox"/> Other
	<input type="checkbox"/> Water Disposal

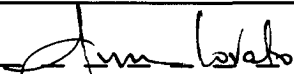
13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths 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 recompleat 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.)

On November 12, 2004, BP submitted a request permission to Clean Out, Deepen, Cavitate, Run Liner and Perforate the subject well - EC Transmission # 50915. As per Chip Harraden's request that we run a mud log below the original TD of 2688', we submit for your approval the attached amended procedure.

**CONDITIONS OF APPROVAL**  
Adhere to previously issued stipulations.

14. I hereby certify that the foregoing is true and correct. <b>Electronic Submission #52683 verified by the BLM Well Information System For BP AMERICA PRODUCTION CO, sent to the Farmington Committed to AFMSS for processing by MATTHEW HALBERT on 01/10/2005 (05MXH0285SE)</b>	
Name (Printed/Typed) MARY CORLEY	Title AUTHORIZED REPRESENTATIVE
Signature (Electronic Submission)	Date 01/06/2005

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved By 	Title Petr. Eng	Date 1/11/05
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 within its jurisdiction.

Moore Gas Com 1  
API # 3004527591  
Clean Out, Deepen, Caviate, Run Liner and Perforate Procedure  
November 11, 2004

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Procedure:

1. Check location, ID wellhead, and verify rig anchors are in place & tested. Contact One Call 48 hrs prior to digging flare pit for cavitation.
2. Check and record tubing, casing, and bradenhead pressures. Rig up slickline unit. RIH and tag; record FL and top of fill in DIMS. Set blanking plug in 2.250" F nipple at 2636', blow down tubing to verify plug is holding. Set second blanking above first using collar stop or slips; only one profile exists in tubing string.
3. MIRU pulling unit. LOTO meter run, separator, water line, and automation.
4. Blow down casing to flare pit to minimize casing pressure. ***The operations of removal of wellhead and installation of BOP will be performed under a dispensation for one (1) barrier on the backside.*** ND wellhead, NU diverter spool with outlets for 7" vent lines, double ram BOP, single ram BOP, spacer spool, and stripping head. Install 2 way plug in tubing hanger and pressure test BOP stack to 200 PSI low and 1000 PSI high. Verify that spacer spool provides sufficient room to "swallow" the tubing hanger below the stripping rubber and above the BOP pipe rams.
5. Unseat tubing hanger and pull to bottom of stripping rubber; close pipe rams. Relieve pressure, release stripping rubber, and pull hanger above stripping head. Remove hanger. POH, laying down 2.875" tubing. Reference "Under Balanced Well Control Tripping Procedure".
6. TIH with bit, string float, 3.5" collars, and 2.875" drill pipe. Clean out to 2688' using foam. Obtain baseline gas flow test after well has been cleaned out.
7. Rig up mud logger. Establish stable baseline chromatograph reading while circulating foam. Deepen well to  $\pm 2790'$ , monitor chromatograph closely to evaluate PC zone productivity. Submit mud log to BLM and obtain approval for leaving PC exposed behind uncemented liner as a "sump".
8. Caviate Fruitland zone. First cavitation cycle to be "natural". Obtain gas flow test after first cycle; consider using air assist on subsequent cycles.
9. Test gas flow between clean outs. Continue cavitation as long as overnight shut in pressure and flow rates are increasing. Note flow rates and shut in pressures in DIMS.
10. Blow down well to flare pit using vent lines, operate venturi to pull gas away from floor. Kill well with 2% KCL only if necessary. Run blank 5.5" FJ liner assembly

on drill string; circulate down to as required to reach drilled TD. Liner lap to be  $\pm 50'$ . Set liner hanger and release from drill string. POH, lay down drill string and liner running tools.

11. 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 personnel have installed in 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 per hour. Note: 20 mph will turn unit back on. If someone has On Star on their vehicle they cannot enter closer than 300 feet. On Star cannot be turned off. PLEASE take special caution. This is in conjunction with all cell phones, pagers, radios and any electronic device that transmits a signal.
12. Install companion flange and lubricator. Run GR/CCL log, tie in to open hole log. Perforate following intervals with 4" casing gun:

2418'-2420'	4 SPF	8 holes
2440'-2442'	4 SPF	8 holes
2472'-2477'	4 SPF	20 holes
2484'-2486'	4 SPF	8 holes
2506'-2510'	4 SPF	16 holes
2516'-2536'	4 SPF	80 holes
2600'-2606'	4 SPF	24 holes
2610'-2614'	4 SPF	24 holes
2650'-2664'	4 SPF	56 holes
2670'-2684'	4 SPF	56 holes
13. Pick up and run new 2.375" production tubing with 18' mule shoe jt, 1.78" "F" nipple, 4' sub, 1.875" "X" nipple, and balance of tubing to land at  $\pm 2755'$ . Run with blanking plugs in nipples. Use slim hole couplings on bottom 300' of tubing to increase clearance in liner. ND BOP, NU wellhead. ***The operations of removal of BOP and installation of wellhead will be performed under a dispensation for one (1) barrier on the backside.***
14. RU slick line and pull blanking plugs. Run 2.0 X 1.25 X 16 RHAC "San Juan" pump on .75" grade D rods, space out as required. Load tubing and long stroke pump to pressure test. Hang rods on pumping unit and RDMO pulling unit.
15. Flow out annulus to pit, and check the O2 using NOP-7804 Wellbore Air Purge. Update all well data in DIMS and print out summary and put in well file. Have discussion with production and hand over well file.

**MOORE GC 1**

Country: UNITED STATES	County: SAN JUAN	Event: WELL SERVICING	Wellbore: OH	Orig KB Elev: 5,875.00 ft
Region: NORTH AMERICA	State: NEW MEXICO	Event Start: 5/27/1997	Top TMD: 12.0 ft	Ground Elev: 5,863.00 ft
Bus. Unit: ONSHORE US	District: FARMINGTON	Event End: 7/18/1997	Bottom TMD: 2,688.0 ft	KB to GL: 12.0 ft
Perf Unit: WESTERN		Objective: CRWS_INCREASE PRODUCTION	Well: 28/1998	Mud Line Elev: 0.00 ft
Asset: SAN JUAN SOUTH		Contractor: AZTEC WELL SERVICE		
Field: BASIN-FRUITLAND COAL GAS POOL				

Tubing/CT/SS Components	Min ID	Top	Well sketch	Perf Interval / SPF / Phasing
82 - TUBING, 2.875, 8.5#, J-55, FBN EUE	2.441 in	13.0 ft		
1 - PROFILE TOOL, 2.875 X 8	0.000 in	2,638.0 ft		
1 - TUBING, 2.875, 8.5#, J-55, FBN EUE	2.441 in	2,637.0 ft		
0 - TUBING SUB, 2.875	2.441 in	2,688.0 ft		