

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		8. Well Name and No. BARRETT LS 4
2. Name of Operator AMOCO PRODUCTION COMPANY		9. API Well No. 30-045-10598
3a. Address P.O. BOX 3092 HOUSTON, TX 77253	3b. Phone No. (include area code) Ph: 281.366.4491 Fx: 281.366.0700	10. Field and Pool, or Exploratory BLANCO MESAVERDE
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 20 T31N R9W NENE 1190FNL 1190FEL		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 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 checked="" 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 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 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.)

Amoco Production Company re-perf'd and re frac'd the Cliffhouse formation in the subject well.  
Please see attached for well work detail.



*No Attached*

14. I hereby certify that the foregoing is true and correct. <b>Electronic Submission #8517 verified by the BLM Well Information System For AMOCO PRODUCTION COMPANY, sent to the Farmington Committed to AFMSS for processing by Lucy Bee on 11/05/2001 ()</b>	
Name (Printed/Typed) MARY CORLEY	Title AUTHORIZED REPRESENTATIVE
Signature (Electronic Submission)	Date 11/05/2001

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

Approved By _____	Title _____	ACCEPTED FOR RECORD Date NOV 06 2001
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.		FIELD OFFICE

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BARRETT LS 4  
RE-PERF & FRAC SUBSEQUENT REPORT  
11/04/2001

10/12/2001 MIRUSU @ 12:00 hrs. NDWH & NU BOP's. SDFWE.

10/15/2001 Unseat TBG hanger. TOH W/Prod TBG. Shut in & secure well for night.

10/16/2001 TIH & tag fill @ 5456'. TOH. RU & run GR Log from 4150' to 5150'. Secure well for night.

10/17/2001 RU & TIH W/CIBP & set @ 5034'. TOH. TIH & set RBP @ 4850'. Load hole w/2% KcL water. Pressure test CSG to 2100#. Test OK. Unseat RBP & TOH. RU & perf Cliffhouse formation W/2JSPF, 3.125 in diameter, 14 shots/28 holes:

4874', 4877', 4885', 4889', 4899', 4901', 4923', 4947', 4950',  
4960', 4988', 4990', 4997', 5006'

10/18/2001 RU & frac Cliffhouse W/79,000# of 16/30 sand & 70 Quality N2 Foam. RU & Flowback well to tank thru  $\frac{1}{2}$ " choke for 1  $\frac{1}{2}$  hrs. Upsized to  $\frac{1}{2}$ " choke & flowed back for 1  $\frac{1}{2}$  hrs. Alternate shut in and flowback for 2 hr intervals. Well would not sustain flow.

10/19/2001 TIH & tag sand @ 3825'. C/O from 3825' to 3950'. Well making heavy returns of frac sand. Secure well for WE.

10/22/2001 TIH & tag sand @ 3930'. C/O to 4680'. Secure well for night.

10/23/2001 TIH & tag fill @ 4958' C/O to 5039'. Secure well for night.

10/24/2001 TIH & tag fill @ 4993'. C/O to CIBP set @ 5040. DO CIBP. TIH & C/O to 5290'. PU above perfs & SDFN.

10/25/2001 TIH & tag fill @ 5456'. Mill on junk & C/O fill to 5479'. Secure well SDFN.

10/26/2001 TIH & tag fill @ 5470' C/O to 5492'. Secure well SDFN.

10/29/2001 TOH. Flow back thru  $\frac{3}{4}$ " choke - 558 MCFD. Secure well SDFN

10/30/2001 TIH W/2 3/8" production TBG & land @ 5415'. ND BOP & NUWH. Pull TBG plug.

10/31/2001 RDMOSU. Service Release @ 10:00 hrs.