

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.

Use "APPLICATION FOR PERMIT - " for such proposals

RECEIVED  
BLM  
96 JUL -9 AM 9:40

070 FARMINGTON, NM

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

2. Name of Operator  
Amoco Production Company

Attention:  
Gail M. Jefferson, Rm 1295C

3. Address and Telephone No.  
P. O. Box 800, Denver, Colo. 80201 (303) 830-6157

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
1018FNL 1720FWL Sec. 26 T 32N R 11W Unit C

5. Lease Designation and Serial No.  
SF-078039

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.  
Barnes LS 4A

9. API Well No.  
3004522400

10. Field and Pool, or Exploratory Area  
PC Ext./Mesaverde

11. County or Parish, State  
San Juan New Mexico

12. CHECK APPROPRIATE BOX(s) 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"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other Commingle
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Amoco Production Company requests permission to downhole commingle this well per the attached procedures.

If you have any technical questions please contact Khanh Vu at (303) 830-4920 or Gail Jefferson for any administrative concerns.

RECEIVED  
JUL 16 1996  
OIL CON. DIV.  
DIST. 3

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

Signed Gail M. Jefferson Title Sr. Admin. Staff Asst. Date 07-08-1996

(This space for Federal or State office use)

Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_  
Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes 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.

\* See Instructions on Reverse Side

NMOCD

APPROVED

JUL 09 1996

DISTRICT MANAGER

Barnes LS 4A

Orig. Comp. 01/78

TD = 5955' , PBD = 5932'

Federal - 820780390

Page 2 of 2

**1st Version**

1. Notify Fed agency
2. Check/install anchors. ID wellhead for changeout to 1 production string. Pickup workstring/ frac string (3600' of 3/12")
3. Record TP(MV), TP(PC), SICP, and SIBHP
4. MIRUSU
5. Blowdown well, if w/ KCl H2O if necessary
6. NU BOE
7. TOH w/ 1 1/4" tbg @ 3300'
8. TOH w/ 2 3/8" tbg @ 5898' and 4" Baker 80/40 Model G (This is a retrievable packer). If necessary, mill out /w metal muncher packer mill and notify engineer.
9. TIH w/ bit & scraper to 5500'. To make sure packer has enough clearance
10. TOH w/ same
11. TIH w/ 4" CIBP - Plug #1 (ID 4.090" for 4 1/2" liner) and set @ 5500'
12. Load hole w/ KCl H2O
13. RU lubricator
14. Run GR/CLL from 5500-5150' to correlate guns to Schlumberger's FDL log (dated 2/1/78)
15. TIH w/ 3 1/8" guns w/ 12.5 grams, 120 deg phasing, .34 EHD and perforate the Menefee as follows:

Menefee Perfs

5216', 5227', 5232', 5238'  
5282', 5291', 5306', 5327'  
5397', 5402', 5406', 5409'  
5416', 5422', 5428', 5434'

16. TIH w/ 4" DTTS and set @ 3500'
17. Sting into DTTS w/ 3400' of 3 1/2" and a crossover pup to 2 7/8" and 3 jts of 2 7/8" on btm
18. Flow test Cliffhouse for 1 day and overnight. To evaluate frac improvement
19. MI frac equipment and frac the Menefee according to frac schedule A. Trace frac w/ iridium and balloff during the frac w/ 200%XS balls
20. Flowback immediately until sand ceases (flowback should be a full day, minimum)
21. TIH w/ 6.456" RBP - Plug #2 (ID 6.456 for 7" csg) and set @ 3400'
22. Flow test Picture Cliffs for 1 day and overnight. To evaluate the PC frac
23. MI frac equipment and frac the PC according to frac schedule B.
24. Flowback immediately until sand ceases (flowback should be a full day, minimum)
25. Cleanout to RBP - Plug #2 @ 3400'
26. TOH w/ 6.456" RBP - Plug #2
27. Cleanout to DTTS @ 3500'
28. Drillout DTTS
29. Cleanout to CIBP @ 5500'
30. Drillout CIBP - Plug #1
31. Cleanout to PBD @ 5932'
32. Flowback for one day
33. Cleanout to PBD
34. TIH w/ 2 3/8" tbg w/ seating nipple one jt of btm and land @ 5580'
35. ND BOE
36. Tie string to surface equipment and turn over to production

If problems are encountered, please contact:

**Kharin Vu**

**W - (303) 830-4920**

**Pager - (303) 687-3819**

**H - (303) 980-6324**

**Fax - (303) 830-4777**

**Continuos Fax - (303) 830-4276**

# Amoco Production Company

Sheet No

Of

File

## ENGINEERING CHART

Appn

SUBJECT Barnes LS 4A

Date 6/27/96

Spud 1/78

By KQV

Ed SF-078079

