

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

5. Lease Designation and Serial No.

SF-078336-B

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Barrett LS

2

9. API Well No.

3004510641

10. Field and Pool, or Exploratory Area

Blanco Mesaverde

11. County or Parish, State

San Juan

New Mexico

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

Amoco Production Company

Attention:

Patty Haefele

3. Address and Telephone No.

P.O. Box 800, Denver, CO 80201

(303) 830-4988

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

surface 790' FNL 1750' FEL Sec. 19 T 31N R 9W Unit B
BHL 1619' FNL 801' FEL

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

TYPE OF SUBMISSION

TYPE OF ACTION

- ☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other Horizontal Drill

- ☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ 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 has performed horizontal drilling on this well per the attached summary.

RECEIVED
MAR - 7 1996

OIL CON. UNIT
DIST. 3

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

Signed

Patty Haefele

Title

Staff Assistant

Date

02-14-1996

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

MAR 04 1996

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.

NMOC

FARMINGTON DISTRICT OFFICE
BY *[Signature]*

MIRURT 11/28/95. TOH with 2-3/8" tubing. TIH with tubing and retainer. Set cement retainer at 4115'. Pressure up on annulus to 500 psi, pressure dropped to 350 psi in 7 min. Pump 250 sx 50/50 poz, 2% gel, 3 bpm at 225 psi. Sting out of retainer and reverse out. Run casing bond log from 4115-2500', no cement behind casing. Run tubing and packer and located casing leak at 3140'. Pump 1 bpm at 1000 psi, no communication with the bradenhead. Shoot squeeze holes at 4000', set cement retainer at 3950'. Sting into retainer at 3950', establish rate at 2 bpm and 500 psi; pump 100 sx Class B, final squeeze pressure of 500 psi. Set cement retainer at 2400', shoot squeeze holes at 2150'. Sting into retainer at 2400', 1 bpm at 850 psi in hole at 3140' with 145 sx Class B, final squeeze pressure of 584 psi. Had communication with the squeeze holes at 2150', but no cement was circulated. Sting out of retainer and reverse circulation. Set cement retainer at 1990', sting into retainer at 1990', establish rate at 1.9 bpm and 800 psi into holes at 2150'; pump 150 sx Class B, final squeeze pressure of 660 psi. Had no communication through bradenhead, sting out of retainer.

Shoot squeeze holes at 650', establish rate at 1.5 bpm and 400 psi, pump 200 sx Class B, final squeeze pressure of 320 psi. Had no communication with bradenhead. Tag cement at 587'. Drill cement from 587-747', circulate hole clean. Pressure test casing to 300 psi, did not hold. Spot cement plug from 300-700' with 80 sx Class B, 2% CACL2. Bull head cement into holes at 650', squeeze .5 bbls cement into holes, pressure up to 1200 psi, hold pressure. Tag cement at 370'. Drill cement from 370-1990', pressure test casing to 300 psi, test good. Drill cement retainer from 1190-2154', pressure test casing to 300 psi, test good. Drill cement retainer at 2400', circulate hole clean. Drill cement from 3015-1060', circulate hole clean. Drill cement from 3060-3950', circulate hole clean, pressure test casing to 300 psi, test good. Drill out retainer at 3950'. Drill cement from 3950-4000'. Tag last retainer at 4115' (will not drill), circulate hole clean.

Run a cement bond log from 4115-2000', circulate hole clean. TOC at approx. 2120'. Run Gyro to 3966'/orient whipstock. Mill 7" casing window from 3989' to 3994', circulate hole clean. Drill to 6307'. Log well, tag at 6250'. Run 4.5" 11.6# C-75 LT&C casing. Landed at 6307' KB. Circulate and condition for cement. Cement with 350 sx of 50/50 poz Class B with 2% gel. ND BOP, set slip at 60K, cut off casing. Nipple up wellhead. RDMO 12:00 hrs on 12/19/95.

Run GR/CCL/ CBL log. TOC at approx 2090'. MIRUSU 1/15/96. Tag at 6259', circulate bottoms up with 40 bbls. Perf Pt. Lookout at: 6024' with 2 shots, 6054' with 1 shot, 6072' with 6 shots, 6094' with 1 shot, 6121' with 1 shot, 6140' with 6 shots, 6171' with 1 shots, 6187' with 1 shots, .340" diameter, 19 total shots, 3.125" gun, 12.5 gms. Run pinpoint injection packer and breakdown each perf zone. Frac 6024-6187' with 100,743 lbs 16/30 Arizona sand, 70% quality, 954,974 scf N2, max. pressure 3778 psi, max. rate 50.3 bpm.

Tag fill at 6032'. Set CIBP at 6015'. Pressure test to 3000 psi, ok. Perf Menefee at: 5580', 5635', 5648', 5680', 5730', 5796', 5811', 5858', 5954', 5973', 6000' with 2 JSPF, .340" diameter, 22 total shots, 3.125" gun, 12.5 gms. Well started flowing. Acidize 5580-6000' with 14 bbls hydrochloric acid, max. pressure 3868 psi, 7 bpm. Frac 5580-6000' with 89,700 lbs 16/30 Arizona sand, 969,381 scf, 70% quality, max. pressure 4290 psi, 51.7 bpm. Set CIBP at 5550'. Pressure test to 3000 psi, ok. Run pinpoint injection packer and breakdown each perf zone.

Perf Cliffhouse at: 5514' with 1 shot, 5498' with 4 shots, 5474' with 4 shots, 5440' with 4 shots, 5418' with 2 shots, 5407' with 1 shots, 5372' with 1 shot, 5341' with 1 shot, 5020' with 2 shots, .340" diameter, 20 total shots, 3.125" gun, 12.5 gms. Frac 5020-5514' with 100,800 lbs 16/30 Arizona sand; 1,116,040 scf, 70% quality, max. pressure 5339 psi, max. rate 48.4 bpm. Clean out 5805-6255'. Flowing well. Cleanout 6207-6255'. Land tubing at 6140'. RDMOSU 1/29/96.