

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

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

2. Name of Operator

Amoco Production Company

Attention:

Sonia Prien

3. Address and Telephone No.

P.O. Box 800, Denver, Colorado 80201

(303) 830-4459

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

1025FNL 1655FWL

Sec. 20 T 28N R 9W

5. Lease Designation and Serial No.

SF-077106

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Lackey B LS #13 M

9. API Well No.

3004523888

10. Field and Pool, or Exploratory Area

Blanco Mesa Verde/Chacra

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

☒ Notice of Intent

☐ Subsequent Report

☐ Final Abandonment Notice

☐ Abandonment

☒ Recompletion

☐ Plugging Back

☐ Casing Repair

☐ Altering Casing

☐ Other

☐ 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 intends to recomplete the Mesa Verde/Chacra horizons per the attached procedures.

RECEIVED
FEB 16 1995
OIL CON. DIV.
DIST. 3

RECEIVED
DEC 27 1994
OIL CON. DIV.
DIST. 3

have a
clerk name
change.

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

Signed

Title

Staff Assistant

Date

12-14-1994

(This space for Federal or State office use)

Approved by

Title

Conditions of approval, if any:

APPROVED

DEC 20 1994

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.

GENERAL INSTRUCTIONS

This form is designed for submitting proposals to perform certain well operations, and reports of such operations when completed, as indicated, on Federal and Indian lands pursuant to applicable Federal law and regulations, and, if approved or accepted by any State, on all lands in such State, pursuant to applicable State law and regulations. Any necessary special instructions concerning

the use of this form and the number of copies to be submitted, particularly with regard to local area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

SPECIFIC INSTRUCTIONS

Item 4 - If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 13 - Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by local Federal and/or State offices. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones,

or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to top of any left in the hole; method of closing top of well; and date well site conditioned for final inspection looking to approval of the abandonment.

NOTICE

The Privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

AUTHORITY: 30 U.S.C. 181 et. seq., 351 et. seq., 25 U.S.C. et. seq.; 43 CFR 3160.

PRINCIPAL PURPOSE - The information is to be used to evaluate, when appropriate, approve applications, and report completion of secondary well operations, on a Federal or Indian lease.

ROUTINE USES:

- (1) Evaluate the equipment and procedures used during the proposed or completed subsequent well operations.
- (2) Request and grant approval to perform those actions covered by 43 CFR 3162.3-2(2)
- (3) Analyze future applications to drill or modify operations in light of data obtained and methods used.
- (4)(5) Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal, or regulatory investigations or prosecutions.

EFFECT OF NOT PROVIDING INFORMATION - Filing of this notice and report and disclosure of the information is mandatory once an oil or gas well is drilled.

The Paperwork Reduction Act of 1980 (44 U.S.C. 3501, et. seq.) requires us to inform you that:

This information is being collected in order to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.

This information will be used to report subsequent operations once work is completed and when requested, to obtain approval for subsequent operations not previously authorized.

Response to this request is mandatory for the specific types of activities specified in 43 CFR Part 3160.

BURDEN HOURS STATEMENT

Public reporting burden for this form is estimated to average 25 minutes per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to U.S. Department of the Interior, Bureau of Land Management, (Alternate) Bureau Clearance Officer, (WO-771), 18 and C Streets, N.W., Washington, D.C. 20240, and the Office of Management and Budget, Paperwork Reduction Project (1004-0135), Washington, D.C. 20503.

District I
PO Box 1980, Hobbs, NM 88241-1980
District II
PO Drawer DD, Artesia, NM 88211-0719
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

Form C-102

Revised February 21, 1994

Instructions on back

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 APT Number 3004523888		2 Pool Code 72319		3 Pool Name Blanco MesaVerde	
4 Property Code		5 Property Name Lackey "B" LS			6 Well Number 13 M
7 OGRID No.		8 Operator Name Amoco Production Company			9 Elevation 5835' GL

10 Surface Location


UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	20	28 N	9W	C	1025	North	1655	West	San Juan

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

12 Dedicated Acres 3.20	13 Joint or Infill	14 Consolidation Code	15 Order No.
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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

16		17 OPERATOR CERTIFICATION <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief</i>  Signature Lois Raeburn Printed Name Business Assistant Title 12 13 94 Date			
1025'		RECEIVED DEC 1 9 1994 OIL CON. DIV. DIST. 3		18 SURVEYOR CERTIFICATION <i>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.</i> Sept. 11, 1979 Date of Survey Signature and Seal of Professional Surveyer: On File 3950 Certificate Number	
1655'		RECEIVED FEB 1 5 1995 OIL CON. DIV. DIST. 3			

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☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

APN Number 30045 23888		Pool Code 82329	Pool Name Otero Chacra
Property Code	Property Name Lackey "B" LS		Well Number 13 M
GRID No. 000778	Operator Name AMOCO PRODUCTION COMPANY		Elevation 5835'

¹⁰ Surface Location

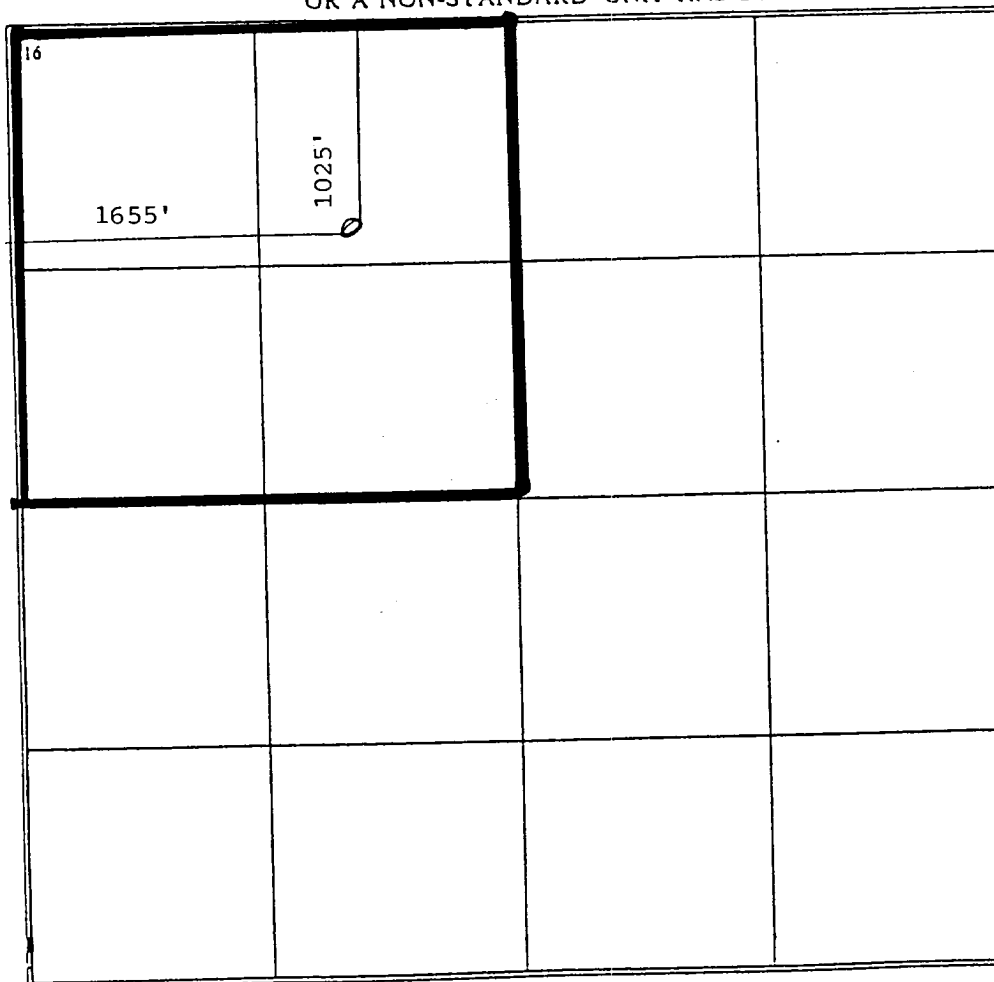

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	20	28N	9 W	C	1025	North	1655	West	San Juan

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

¹² Dedicated Acres 160	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

¹⁶ 	¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief  Signature Lois Raeburn Printed Name Business Assistant Title 2 08 95 Date
	¹⁸ 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. Sept. 11, 1979 Date of Survey Signature and Seal of Professional Surveyor: ON FILE 3920 Certificate Number

Recompletion Procedure

LACKEY B LS 13E

12/06/94

-
- Objectives:**
1. Check for and eliminate casing leaks
 2. Recomplete the Menefee/Point Lookout and Chacra horizons
 Note: We will attempt to frac both horizons in one day
 3. Establish gas rates and shut-in pressures on the MV and CK horizons
 4. Place well on production--trimingle existing DK with the MV and CK
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Suggested Procedure:

1. Check location for anchors. Install if necessary. Test anchors.
2. MIRUSU. Record DK SITP and CPs. Blow down well. Kill, only if absolutely necessary, with water.
3. Lower 2 3/8" and tag for fill. POOH with 2 3/8" tbg. NDWH. NUBOP. RIH with tbg and RBP, set RBP at 4950', spot 10' of sand on RBP. Circulate hole clean. Pressure test casing to 3500 psig.
4. Run CBL/CCL/GR from RBP to surface (?). Determine TOC. Relay CBL info to Mike Kutas in Denver to verify if remedial cement squeezes will be needed prior to any frac treatment. Tie into Gearhart Owens CDL-GR log dated 3-22-80 for depth control. Perf select fire-16 shots-at 4088, 4125, 4390, 4394, 4396, 4398, 4401, 4408, 4416, 4425, 4440, 4468 4475 4487, 4497, and 4518' with 1 JSPF and 3 1/8" HCP, 12.5 gm, 0.34" EHD casing gun. RIH with tbg and pkr, set pkr at 4050' and break down/ball off perfs with 2% KCl water and 1.1 SG-7/8" RCN balls. Knock off balls with pkr. TOH with PKR. Frac perfs at 4088-4518' according to frac procedure A.
5. TIH with wireline and CIBP, set BP at +/- 4000'. Spot 10' of sand on top of BP and pressure test BP to 1000 psi. Perf select fire-10 shots-at 3028, 3031, 3035, 3115, 3118, 3129, 3131, 3134, 3139, and 3143' with 1 JSPF and 3 1/8" HCP, 12.5 gm, 0.34" EHD casing gun. RIH with tbg and pkr, set pkr at 3000' and break down/ball off perfs with 2% KCl water and 1.1 SG-7/8" RCN balls. Knock off balls with pkr. TOH with PKR. Frac perfs at 3028-3143' according to frac procedure B. Shut in well for four hours and flow well back to tank on a 1/4" choke for 8 hours, then increase choke to 1/2".
6. RIH with bit and scraper and c/o sand to CIBP at 4000'. RIH with 2 3/8" tubing and set tbg at 3135'. Flow CK up tbg to cleanup and test. Establish and record gas, water, oil rates, producing and shut-in TP and CPs. Obtain water and gas samples.
7. TOOH with tbg. RIH with bit and scraper and c/o sand and CIBP to 4600+'. RIH with 2 3/8" tubing-packer-RBP retr. head, set pkr at 4050' and btm of tbg at 4450'. Flow MV up tbg to cleanup and test.....swab MV if necessary. Establish and record gas, water, oil rates, producing and shut-in TP and CPs. Obtain water and gas samples. Release PKR and TIH with 2 3/8" tbg and retrieve RBP at 4950'. TOOH. TIH with 2 3/8" production and land at 6550' (1/2 mule shoe on btm and a SN 1 JT off btm). RDMOSU
8. Place well on production.

Note: Since this procedure may involve recompletion and DRA expenditures, please be sure to label all invoices accordingly so that costs can be accounted for properly.