

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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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

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

CONOCO INC.

3. Address and Telephone No.

10 DESTA DR. STE. 100W, MIDLAND, TX. 79705-4500 (915) 686-5424

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

Section 29, T-28-N R-9-W, D
790' FNL & 880' FWL

5. Lease Designation and Serial No.

SF 077106

6. If Indian, Allottee or Tribe Name

7. If Unit or C.A. Agreement Designation

8. Well Name and No

Lackey B LS #15E

9. API Well No.

30-045-23880

10. Field and Pool, or Exploratory Area

Blanco Mesaverde, Otero Chacra

11. County or Parish, State

San Juan, NM

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

TYPE OF SUBMISSION

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

TYPE OF ACTION

- ☐ Abandonment
☒ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☐ Other _____
- ☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracrunng
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

INote: Reponresultsof multiplecompletiononWdl
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.)*

It is proposed to recomplete this well in the Mesaverde and Chacra according to the attached procedure..

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OIL CON. DIV.
DIST. 3

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

Signed

Kay Maddox

Title

Kay Maddox

Regulatory Agent

Date

March 30, 1998

(This space for Federal or State office use)

Approved by

/s/ Joe Hewitt

Title

Date

APR - 3 1998

Conditions of approval if any:

BLM(6), NMOCD(1), SHEAR, PONCA, COST ASST, FILE ROOM

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 Instruction on Reverse Side

NMOCD

**Lackey B LS 15E
Recomplete to Mesaverde & Chacra
Down Hole Trimingle with Dakota
March 27, 1998**

API # – 300452378900

LOCATION: 790' FNL , 880' FWL, Section 29, T - 28N, R - 9W, San Juan County

Objective

Funds in the amount of \$123,750 are requested to recomplete the Lackey B LS 15E to the Chacra, Mesaverde Menefee / Point Lookout sands and down hole trimingle with Dakota production. Records indicate that the original cement job may not have sufficiently covered these intervals although there have been two additional remedial squeezes performed, no CBL log is available so a CBL log will be run to ensure sufficient isolation. Addition of this pay should result in a production increase of 400 mcf/d.

Wellbore Specs (See attached Wellview information)

Drilled in 1980, completed in Dakota sands, stimulation consisted of a five stage treatment, a 1200 15% HCl acid squeeze, followed by 5 stage slickwater fracture stimulation of the interval 6395' - 6604'.

PBTD: 6668', TD: 6682'.

PROD. CASING: 4 1/2", 11.65#, K-55, 8 jts., 267' from 6415' to 6682'; TOC?, 1st & 2nd stages were fouled up. Wrong displacement plug was dropped and lodged in lowest DV tool 4938'.

4-1/2", 10.5#, K-55, 204 jts, from surface to 6403', DV Tool @2245', TOC ? (cmt w/762 cu. Ft.) Two additional cement squeezes were performed. No CBL Log available.

SURFACE CASING: 9-5/8", 36#, K-55 set @ 225' , 5 jts., TOC (circ. to surf)

TUBING: 206 joints, 2 3/8" EUE , 4.7#, J-55, set @ 6,482' , (SN @ 6,450', 1 jt. off btm) mule shoe on bottom.

No packer in hole.

FORMATION TOPS:

PC	– 2042'
CHACRA	– 3008
MV	– 3604'
MV P.L.	– 4336'
GALLOP	– 5515'
GRANEROS	– 6341'
DAKOTA	– 6455'

EXISTING PERFS: DAKOTA : 7232' - 7431'

PROPOSED PERFS: Mesaverde Menefee & Point Lookout Formation: (20 holes) 4116, 27, 63, 82, 87, 97, 4335, 47, 69, 75, 80, 87, 4402, 08, 23, 75, 4549, 61, 75, 4611.

Chacra: (9 holes) 3031, 35,46,3113,23,31,34,41,53.

Lackey B LS 15E
Recomplete to Mesaverde & Chacra
Down Hole Commingle with Dakota
March 27, 1998

1. Pre Work

- A. Locate and test deadman anchors. Spot flowback pit (20x20) and prepare. Inform operator of work to be done and time frame. Check for location size and equipment placement. Identify any hazards (power lines, H₂S, tight equipment fits).
- B. Have pressure gauges on both casing and tubing when necessary (during acid, frac, testing).
- C. Hold Safety Meeting before rigging up to discuss potential hazards and meeting place in case of an emergency.

2. Pull Tubing / RU Wireline / Run CBL Log

- A. RU. Blow well down (both backside & tbq) and kill with minimum amount of 1% KCl. NU BOP's
- B. POOH w/ 206 joints 2 3/8" tbq string. RIH w/ bit & scraper and C/O to PBTD.*
- C. RU Wireline and run CBL Log from 4800' – 2800' to determine isolation. Consult engineering if isolation does not appear sufficient, remedial squeezes may be necessary. Records indicate two squeezes performed due to bad original cement job.
- D. RIH wireline and set fast drill BP @ 4660'
- E. Pressure test casing to 1000#. If there appears to be a leak isolate and confer w/engineering

***Note: Scale was found in tubing in 1994, reason for bit and scraper run .**

**Two Stage - Perforate Mesaverde Menefee & Point Lookout / Frac /
Set BP / Perforate Chacra / Frac / Clean Up & Test (Frac same day!)**

3. Perforate Mesaverde Menefee & Point Lookout

RU wireline company and perforate the Mesaverde Point Lookout.
(20 holes) 4116, 27, 63, 82, 87, 97, 4335, 47, 69, 75, 80, 87, 4402, 08, 23, 75, 4549, 61, 75, 4611

4. Acidize and Frac Menefee & Point Lookout

- A. RIH with work string and treating packer and spot 15% HCL acid across perms, and break down ballout as per BJ procedure.
- B. If no remedial squeezes were necessary use available pipe to spot acid and frac down casing if it test OK. If remedial squeezes were performed or if casing does not test then use frac string. PU 4-1/2 " treating packer on 2-7/8" frac-string.
- C. Proceed Slickwater frac, as per BJ attached procedure.
- D. RU wireline, Set fast drill BP above MV perforations

**Lackey B LS 15E
Recomplete to Mesaverde & Chacra
Down Hole Commingle with Dakota
March 27, 1998**

5. Perforate Chacra

RU wireline company and perforate the Chacra:

(9 holes) 3031, 35,46,3113,23,31,34,41,53.

6. Acidize and Frac Chacra

- A. PU workstring & 4 1/2" treating packer & RIH; spot 15% HCL acid across perfs, and ballout as per BJ procedure.
- B. Frac down casing unless a frac string was required.
- C. Proceed Slickwater frac, as per BJ attached procedure.
- D. Flowback; cleanout w/ workstring/gas, and obtain 4 hour stabilized test.

7. Drill Out Bridge Plug / Clean up & test / Drill out BP and Clean out to PBTD

- A. Drillout BP, & C/O to below Mesaverde Menefee and Point Lookout. Set packer just above top Menefee perf, and flowback/clean up test through tbg, obtaining 4 hour stabilized test. . After stabilized test, drillout last BP over DK, blow hole clean and dry and POOH.

Note: This will be a trimingled well, we will need short but stable production tests on both the MV and Chacra intervals seperately.

Flow-back. Allow to clean-up & get stabilized test rate. NOTE: Length of stabilized rate test dictated by Regulatory. (ie, may need to revise commingle allocations). Four hour stabilized test minimum.

- B. RIH with 2.375" production tubing with Mule shoe and SN on bottom, hang top Dakota perforations (6,350') plus or minus a joint. This is depth tubing was originally.

8. Return Well to Production

Install plunger equipment and notify operator to install plunger & put in swab mode, put on production.. Monitor well for rate at least one week.

West Team

Cc: Well file, Tom Lenz, Linda Hernandez, Greg Vick (Farmington)

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

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

Revised February 21, 1994

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Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

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☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-045-23880		2 Pool Code 72319	3 Pool Name Blanco Mesaverde
4 Property Code	5 Property Name Lackey B LS		6 Well Number 15 E
7 OGRID No. 005073	8 Operator Name Conoco Inc., 10 Desta Drive, Ste. 100W, Midland, TX 79705-4500		9 Elevation 5890'

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
D	29	28N	9W		790'	North	880'	West	San Juan

11 Bottom Hole Location If Different From Surface

U/L or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
12 Dedicated Acres 320	13 Joint or Infill	14 Consolidation Code		15 Order No.					

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

<div data-bbox="134 981 336 1161"><p>880'</p><p>790'</p></div>	<div data-bbox="1096 981 1541 1019"><p>17 OPERATOR CERTIFICATION</p></div> <div data-bbox="1096 1019 1541 1112"><p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</p></div> <div data-bbox="1096 1112 1541 1255"><p><i>Kay Maddox</i></p><p>Signature</p></div> <div data-bbox="1096 1255 1541 1304"><p>Kay Maddox</p><p>Printed Name</p></div> <div data-bbox="1096 1304 1541 1351"><p>Regulatory Agent</p><p>Title</p></div> <div data-bbox="1096 1351 1541 1447"><p>Feb 24, 1998</p><p>Date</p></div>
<div data-bbox="609 1617 967 1883"><p>RECEIVED</p><p>APR - 6 1998</p><p>OIL CON. DIV.</p><p>DIST. 3</p></div>	<div data-bbox="1096 1455 1541 1493"><p>18 SURVEYOR CERTIFICATION</p></div> <div data-bbox="1096 1493 1541 1617"><p>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.</p></div> <div data-bbox="1096 1617 1541 1666"><p>Date of Survey</p></div> <div data-bbox="1096 1666 1541 1713"><p>Signature and Seal of Professional Surveyor.</p></div> <div data-bbox="1096 1713 1541 1921"><p>Certificate Number</p></div>

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

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☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-045-23880	2 Pool Code 82329	3 Pool Name Otero Chacra
4 Property Code	5 Property Name Lackey B LS	6 Well Number 15 E
7 OGRID No. 005073	8 Operator Name Conoco Inc., 10 Desta Drive, Ste. 100W, Midland, TX 79705-4500	9 Elevation 5890'

10 Surface Location

UL or lot no. D	Section 29	Township 28N	Range 9W	Lot Idn	Feet from the 790'	North/South line North	Feet from the 880'	East/West line West	County San Juan
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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.						

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

5	790'		
880'	0		

17 OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief

Signature

Kay Maddox

Printed Name

Regulatory Agent

Title

Feb 24 '98

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.

Date of Survey

Signature and Seal of Professional Surveyor:

Certificate Number