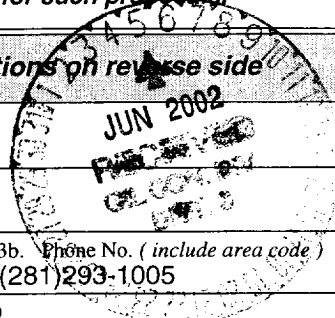


UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**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  
 Oil Well  Gas Well  Other

2. Name of Operator  
 CONOCO, INC.

3a. Address  
 P.O. BOX 2197 DU 3084HOUSTONTX77252

3b. Phone No. ( include area code )  
 (281)293-1005

4. Location of Well ( Footage, Sec., T., R., M., or Survey Description )  
 N 36 SEC.31 T30N R10W  
 940' FSL & 1850' FWL

5. Lease Serial No.  
 NMSF 078194

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.  
 LUDWICK LS #21

9. API Well No.  
 30-045-08932

10. Field and Pool, or Exploratory Area  
 BASIN DAKOTA / BLANCO MESAVE

11. County or Parish, State  
 SAN JUAN  
 NEW MEXICO

**12. CHECK APPROPRIATE BOX(ES) 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"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/ Resume) *	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input 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 checked="" type="checkbox"/> Other <u>DHC</u>
	<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 recomplete horizontally, give subsurface locations 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 recompletion 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.)

Conoco proposes to downhole commingle this well in the Basin Dakota and Blanco Mesaverde as per the attached.

RECEIVED

MAY 28 2002

BUREAU OF LAND MANAGEMENT  
 FARMINGTON FIELD OFFICE

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

Name ( Printed/Typed ) DEBORAH MARBERRY	Title REGULATORY ANALYST
Signature <i>Deborah Marberry</i>	Date 05/22/2002 *

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

Approved by <b>fs/ Jim Lovato</b>	Title	Date JUN - 3
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, 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.

# LUDWICK LS 21 RECOMPLETION

## Ludwick LS-21

Recomplete to Mesaverde and DHC with Dakota

API Well No. 300450893200      Location :      30N-10W- Section 31- N

Well Data:      PBSD 7056'.      TD @ 7056': Completion date 11/07/1961.

Casing size: 4.50" OD 10.5 # per foot

Dakota perforations: 6824' to 6976'.

Tubing: 2-3/8" OD 4.7 # per foot landed at 6915' with SN and mule shoe on bottom.

Current completion details in attached well view files and schematics.

### Procedure:

1. Check anchors. MIRU workover Rig.
2. Kill well with minimum amount of KCL. ND well head and NU BOP's and test.
3. Tag for fill and tally OH with 2-3/8" production tubing. Visually inspect production tubing while POOH.
4. (This step is required at the descretion of the project lead after inspecting the pull out tubulars. TIH with scraper for 4-1/2" casing to 5200'. TOOH with scraper.)
5. Rig up Blue jet. TIH with CIBP and set it at 5100'.
6. Load hole with 2% KCL and pressure test casing to 3000 psi. (Before pressure testing ensure that the well head is rated to the testing pressure. A well head isolation tool may be required.)  
  
(If the casing test fails, TIH with retrievable packer and isolate casing leak.  
Plan for cement squeeze the casing leaks.)
7. Run GR-CCL-TDT logs. Logging interval 5070' to 3070'. Send Logs to Houston electronically. Coordinate with Lucas Bazan And the support team for perforation and frac plan.
8. Perforate the MV –Point Look out zone.
9. Frac the MV Point Look out as per procedures.
10. Set plug above the Point look out. Perforate the Menefee /Cliff House

## LUDWICK LS 21 RECOMPLETION

11. Frac the Menefee/Cliff House as per procedures.
12. Flow back immediately.
13. TIH with tubing and bit. ( Add Drill collars if required ). Clean out sand and drill out BP in-between the Meserve. Clean out sand, flow well and obtain a good 4 hour test for the MV.
14. Mill BP above the top of the Dakota and clean out to 50' below the bottom perforations.( bottom perfs at 6976')
15. TOH with mill and TIH with production tubing.
16. Land tubing at 6854' with SN and mule shoe on bottom. Drift tubing.
17. Rig down and move off well. Notify Steve Miller –Operation West Team.

S.S.Gopalan  
Production Engineer (for the west team)  
.May 13, 2002

Submit 3 Copies to Appropriate District Office  
 District I  
 1625 N. French Dr., Hobbs, NM 87240  
 District II  
 811 South First, Artesia, NM 87210  
 District III  
 1000 Rio Brazos Rd., Aztec, NM 87410  
 District IV  
 2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico  
 Energy, Minerals and Natural Resources

Form C-103  
 Revised March 25, 1999

OIL CONSERVATION DIVISION  
 2040 South Pacheco  
 Santa Fe, NM 87505

WELL API NO.	30-045-08932
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input type="checkbox"/>	
6. State Oil & Gas Lease No.	
7. Lease Name or Unti Agreement Name LUDWICK LS	
8. Well No.	21
9. Pool name or Wildcat BASIN DAKOTA / BLANCO MESAVERDE	
10. Elevation (Show whether DR, RKB, RT, GR, etc.)	

**SUNDRY NOTICES AND REPORTS ON WELLS**  
 (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well:  
 Oil Well  Gas Well  Other

2. Name of Operator CONOCO, INC.

3. Address of Operator P.O. BOX 2197 DU 3084HOUSTONTX77252

4. Well Location  
 Unit Letter N : 990 feet from the SOUTH line and 1850 feet from the WEST line  
 Section 31 Township 30N Range 10W NMPM County SAN JUAN

11. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

<b>NOTICE OF INTENTION TO:</b>	<b>SUBSEQUENT REPORT OF:</b>
PERFORM REMEDIAL WORK <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>
PLUG AND ABANDON <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>
CHANGE PLANS <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	CASING TEST AND CEMENT JOBS <input type="checkbox"/>
MULTIPLE COMPLETION <input type="checkbox"/>	OTHER: <input type="checkbox"/>
OTHER: DHC <input checked="" type="checkbox"/>	

12. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting and proposed work). SEE RULE 1103. For Multiple Completions: Attach diagram of proposed completion or recompletion.

In reference to Order #R-11363 Conoco proposes to downhole commingle in the Blanco Mesaverde and Basin Dakota

Perforations are:  
 Basin Dakota 6824 - 6976  
 Blanco Mesaverde (proposed) 4335 - 4900

Allocation will be by subtraction (attached)

Commingling in this well will not reduce the value of the remaining production.

BLM has been notified of our intent.

Interest owners are identical in all pools.

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

SIGNATURE Deborah Marberry TITLE REGULATORY ANALYST DATE 05/22/2002

Type or print name DEBORAH MARBERRY Telephone No. (281)293-1005

(This space for State use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

Conditions of approval, if any:

**District I**  
1625 N. French Dr., Hobbs, NM 88240

**District II**  
811 South First, Artesia, NM 88210

**District III**  
1000 Rio Brazos Rd., Aztec, NM 87410

**District IV**  
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals & Natural Resources Department

Form C-102  
Revised August 15, 2000

**OIL CONSERVATION DIVISION**  
2040 South Pacheco  
Santa Fe, NM 87505

Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

AMENDED REPORT

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

<sup>1</sup> API Number 30-045-08932		<sup>2</sup> Pool Code 71599		<sup>3</sup> Pool Name BASIN DAKOTA	
<sup>4</sup> Property Code 22398		<sup>5</sup> Property Name LUDWICK LS			<sup>6</sup> Well Number 21
<sup>7</sup> OGRID No. 005073		<sup>8</sup> Operator Name CONOCO, INC.			<sup>9</sup> Elevation

<sup>10</sup> Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	31	30N	10W		840	SOUTH	1850	WEST	SAN JUAN

<sup>11</sup> 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

<sup>12</sup> Dedicated Acres 320	<sup>13</sup> Joint or Infill I	<sup>14</sup> Consolidation Code	<sup>15</sup> 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

16				<p><b>17 OPERATOR CERTIFICATION</b> I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</p> <p><i>Deborah Marberry</i> Signature</p> <p>DEBORAH MARBERRY Printed Name</p> <p>REGULATORY ANALYST Title</p> <p>05/22/2002 Date</p>
				<p><b>18 SURVEYOR CERTIFICATION</b> 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> <p>Date of Survey</p> <p>Signature and Seal of Professional Surveyor:</p>
				<p>Certificate Number</p>

1850

840

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
811 South First, Artesia, NM 88210  
District III  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV  
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals & Natural Resources Department

Form C-102  
Revised August 15, 2000

OIL CONSERVATION DIVISION  
2040 South Pacheco  
Santa Fe, NM 87505

Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number 30-045-08932		<sup>2</sup> Pool Code 72319		<sup>3</sup> Pool Name BLANCO MESAVERDE	
<sup>4</sup> Property Code 22398		<sup>5</sup> Property Name LUDWICK LS			<sup>6</sup> Well Number 21
<sup>7</sup> OGRID No. 005073		<sup>8</sup> Operator Name CONOCO, INC.			<sup>9</sup> Elevation

<sup>10</sup> Surface Location

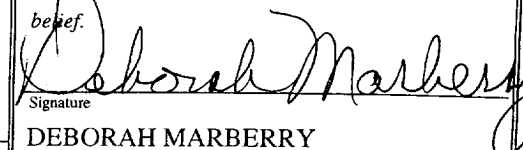
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	31	30N	10W		940	SOUTH	1850	WEST	SAN JUAN

<sup>11</sup> Bottom Hole Location If Different From Surface

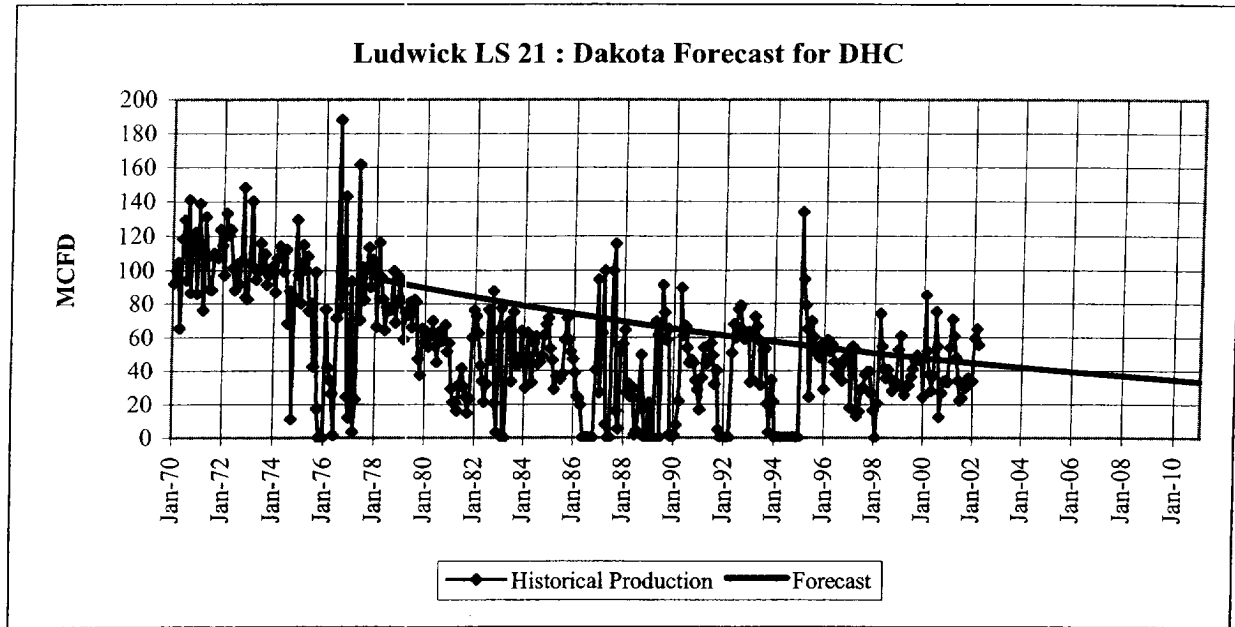
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

<sup>12</sup> Dedicated Acres 320	<sup>13</sup> Joint or Infill I	<sup>14</sup> Consolidation Code	<sup>15</sup> 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

<sup>16</sup>          1850 BHD	<sup>17</sup> OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.  Signature DEBORAH MARBERRY Printed Name REGULATORY ANALYST Title 05/22/2002 Date			
	<sup>18</sup> 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			

## Subtraction Method Data : Ludwick LS 21 DHC Application



Year	Mid-Year Rate
2002	43.9
2003	42.5
2004	41.2
2005	39.9
2006	38.6
2007	37.4
2008	36.3
2009	35.1
2010	34.0
2011	33.0
2012	32.0
2013	31.0
2014	30.0
2015	29.1