Form 3160-5
(September 2001)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires: January 31, 2004

SEP 2006

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.

2006 SEP 21 AM 8 12
RECEIVED
070 FARMINGTON NM

SUBMIT IN TRIPLICATE- Other instructions on reverse side.

5. Lease Serial No.
NMSF-079968

6. If Indian, Allottee or Tribe Name
NA

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

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

8. Well Name and No.
Ropco 4 #4

2. Name of Operator
Lance Oil & Gas Company, Inc.

9. API Well No.
30-045-30443

3a. Address
P. O. Box 70, Kirtland, NM 87417

3b. Phone No. *(include area code)*
505-598-5601

10. Field and Pool, or Exploratory Area
Basin Fruitland Coal/Twin Mounds PC

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
685' FNL & 1855' FWL
Section 4, T29N-R14W

11. County or Parish, State
San Juan County, NM

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

TYPE OF SUBMISSION	TYPE OF ACTION			
☑ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☑ Other **Downhole Commingle Application**
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ 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 and 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.)

Lance requests approval to allocate production from the Ropco 4 #4 well to Basin Fruitland Coal and Twin Mounds Pictured Cliffs sandstone reservoirs in proportion to the recoverable reserves in-place calculated for each reservoir in accordance with legally-accepted reservoir engineering practices. The methodology was thoroughly reviewed with the BLM and NMOCD on Thursday afternoon, July 13, 2006. An attachment is enclosed entitled "Supplement to Downhole Commingling Application - Fruitland Coal & Pictured Cliffs Sandstone Allocation Methodology". The Ropco 4 #4 is completed in the Basin Fruitland Coal and Twin Mounds Pictured Cliffs. However, the Ropco 4 #4 is currently producing from only the Basin Fruitland Coal with a bridge plug set over the Twin Mounds Pictured Cliffs. The well is perforated as follows:

Basin Fruitland Coal: **765' - 774' KB, and 815' - 827' KB**
Twin Mounds PC: **854' - 866' KB**

All working, royalty and overriding royalty interests are identical in the commingled zones. The produced fluids from all commingled zones are compatible with each other and commingling will not decrease the value of production. Lance is requesting approval to allocate production based upon a split of Basin Fruitland Coal - 94.737% and Twin Mounds Pictured Cliffs - 5.263%.
95 % 5 %

Your timely approval would be appreciated as Lance has a rig in the area to commence pulling the bridge plug as soon as possible.

14. I hereby certify that the foregoing is true and correct
Name *(Printed/Typed)*
Tom Erwin

Title **Senior Production Engineer**

Signature Thomas M Erwin

Date 9/19/06

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by Joe Hewitt

Title Geo

Date 9-21-06

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 FFO

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make 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.

(Instructions on page 2)

NMOCD 9/21

LANCE OIL & GAS COMPANY, INC.

Ropco 4 #4
NENW Section 4, T29N - R14W
San Juan County, New Mexico

Supplement to Downhole Commingling Application
Fruitland Coal - Pictured Cliffs Sandstone Allocation Methodology

The Ropco 4 #4 is capable of producing from both the Basin Fruitland Coal and the Twin Mounds Pictured Cliffs intervals. Currently, open perforations exist in both intervals; however, a plug is in-place over the Pictured Cliffs perforations keeping production from this interval behind pipe until downhole commingling is approved. Pursuant to Order R-11363, Lance Oil and Gas seeks approval to downhole commingle the "Pre-approved pools and areas": Basin Fruitland Coal (71629) and Twin Mounds PC (86620) in this well.

The Basin Fruitland Coal is perforated from 765' - 774' KB, and 815' – 827' KB. The Twin Mounds PC is perforated from 854' - 866' KB. Lance Oil & Gas Company, Inc. (Lance) requests downhole commingling of production from the two zones with an allocation of future production to each zone that is not evenly split. Further, Lance intends to allocate production to the Basin Fruitland Coal and the Pictured Cliffs sandstone reservoir in proportion to the recoverable reserves in-place calculated for each reservoir, rather than by a production-based method.

In requesting this approach, Lance is acknowledging the fact that coal reservoirs and sandstone reservoirs are very different in their gas storage capacity and productive performance. The reserves extracted from each reservoir horizon, therefore, will be substantially disproportionate over the expected life of the well. Lance recommends this reserve-based allocation method because production-based methods suffer from the fact that once the juxtaposed coal and sand reservoirs are frac'd, they communicate with each other and the production attributable to each is very difficult to determine accurately. In addition, because sandstone and coal reservoirs perform so differently, the proportion of production attributable to each change very significantly over the life of the well as drawdown occurs. This adds yet another level of uncertainty and complexity to production-based allocation methods.

Calculations of reserves, on the other hand, can be done with accuracy in either reservoir type, and in accord with legally-accepted standard reservoir engineering practices. Lance advocates using this approach to allocating the total recoverable resource because it is a more fair way of assessing the resource volume that will be eventually produced from either zone. The reserves method acknowledges that all of the recoverable reserves in each zone will be extracted over the life of the well, and assures that respective parties will be properly credited for those reserves. The approach also avoids problematic issues with determining relative rates of production from each reservoir – particularly after frac'ing – and the change in those rates that occurs over time. Instead it leaves in-place a fixed proportion of production from each reservoir until all reserves are recovered. This further simplifies accounting for companies and interest owners by keeping the allocation constant over time until the end of the well's productive life.

On July 13th, 2006, Lance Oil & Gas Company, Inc. presented the results of a reservoir study to the BLM and NMOCD that demonstrated how reserves for each reservoir can be determined with accuracy using this method for our wells and how an allocation by this method would work. The reserve calculation is accomplished using industry-accepted and legally-accepted engineering and geological methods for calculating gas-in-place for CBM reservoirs and for gas sand reservoirs.

For CBM reservoirs the volume of recoverable reserves is given by

$$RGIP = Rf*[1359.7*A*h*RhoB*Gc]$$

Where:

- *A* = The drainage area of the well, which is taken as the spacing unit for the reservoir and is in this area being developed at 160 Acres.
- *h* = Thickness of the coal using a density cutoff of 2.0 g/cc.
- *RhoB* = Average bulk density of the coal seam.
- *Gc* = In-situ average gas content of the coal seam(s).

For Gas Sand reservoirs, this is given by:

$$RGIP = Rf*[(43,560*A* h*(1-Sw)*PHIe)/Bg]$$

Where:

- *Rf* = Recovery Factor, determined by the ratio of final gas formation volume factor to initial gas formation volume factor in the reservoir.
- *A* = The drainage area of the well, which is taken as the spacing unit for the reservoir and is in this area being developed at 160 Acres.
- *h* = Thickness of the reservoir interval over which there is sufficient gas saturation (1-Sw) for significant productivity.
- *Sw* = The average total water saturation in the reservoir over the interval having sufficient gas saturation for significant productivity.
- *PHIe* = Average "effective" porosity in the reservoir over the interval having sufficient gas saturation for significant productivity.

By using this method, the proposed allocation we propose for the Ropco 4 #4 is:

Fruitland Coal - 94.737%
Pictured Cliffs - 5.263%

If you have any questions about the proposal, please contact Mr. Bill Lyons with Lance Oil and Gas Company, Inc, San Juan Basin Business Unit, 1099 18th Street, Suite 1200, Denver, CO 80202

State of New Mexico
Energy, Minerals & Mining Resources Department

Form C - 102

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

2000 NOV 30 AM 9:50

☑ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name
	71629 & 86620	Basin Fruitland Coal & Twin Mounds Pictured Cliffs

Property Code	Property Name	Well Number
	ROPCO	4 - 4

OGRID No.	Operator Name	Elevation
019219	RICHARDSON OPERATING COMPANY	5380'

Surface Location

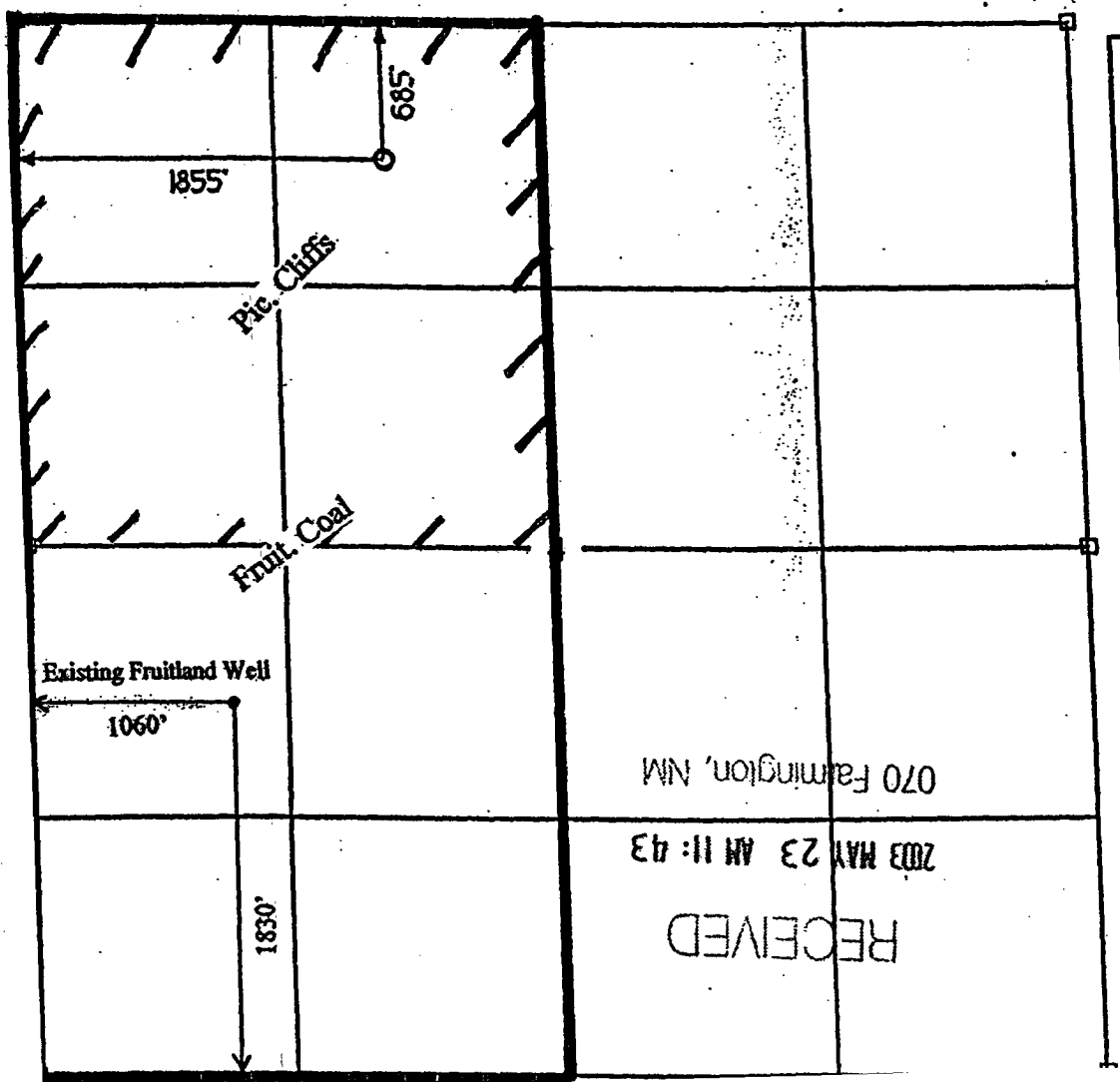
UL or Lot	Sec.	Twp.	Rge.	Lot Idn.	Feet from>	North/South	Feet from>	East/West	County
C	4	29 N.	14 W.		.685	NORTH	1855 .	WEST	SAN JUAN

Bottom Hole Location If Different From Surface

UL or Lot	Sec.	Twp.	Rge.	Lot Idn.	Feet from>	North/South	Feet from>	East/West	County

Dedication	Joint ?	Consolidation	Order No.

NO ALLOWABLE WILL ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



RECEIVED
2000 MAY 23 AM 11: 43
070 Farmington, NM

OPERATOR CERTIFICATION

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

Signature

Printed Name: Drew Carnes

Title: Operations Manager

Date: 5/23/03

SURVEYOR CERTIFICATION

I hereby certify that the well location 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

REV: SEPTEMBER 2000

Signature and Seal of Professional Surveyor:

GERALD G. HUDDLESTON
NEW MEXICO
6844
REGISTERED LAND SURVEYOR

State of New Mexico
Energy, Minerals & Mining Resources Department

Form C - 102

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

2000 NOV 30 AM 9:50

☐ AMENDED REPORT

RECEIVED
070 FARMINGTON NM

070 FARMINGTON, NM

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name
	86620	TWIN MOUNDS PC

Property Code	Property Name	Well Number
	ROPCO	4 - 4

OGRID No.	Operator Name	Elevation
019219	RICHARDSON OPERATING COMPANY	5380'

Surface Location

UL or Lot	Sec.	Twp.	Rge.	Lot Idn.	Feet from>	North/South	Feet from>	East/West	County
C	4	29 N.	14 W.		685	NORTH	1855	WEST	SAN JUAN

Bottom Hole Location If Different From Surface

UL or Lot	Sec.	Twp.	Rge.	Lot Idn.	Feet from>	North/South	Feet from>	East/West	County

Dedication	Joint ?	Consolidation	Order No.

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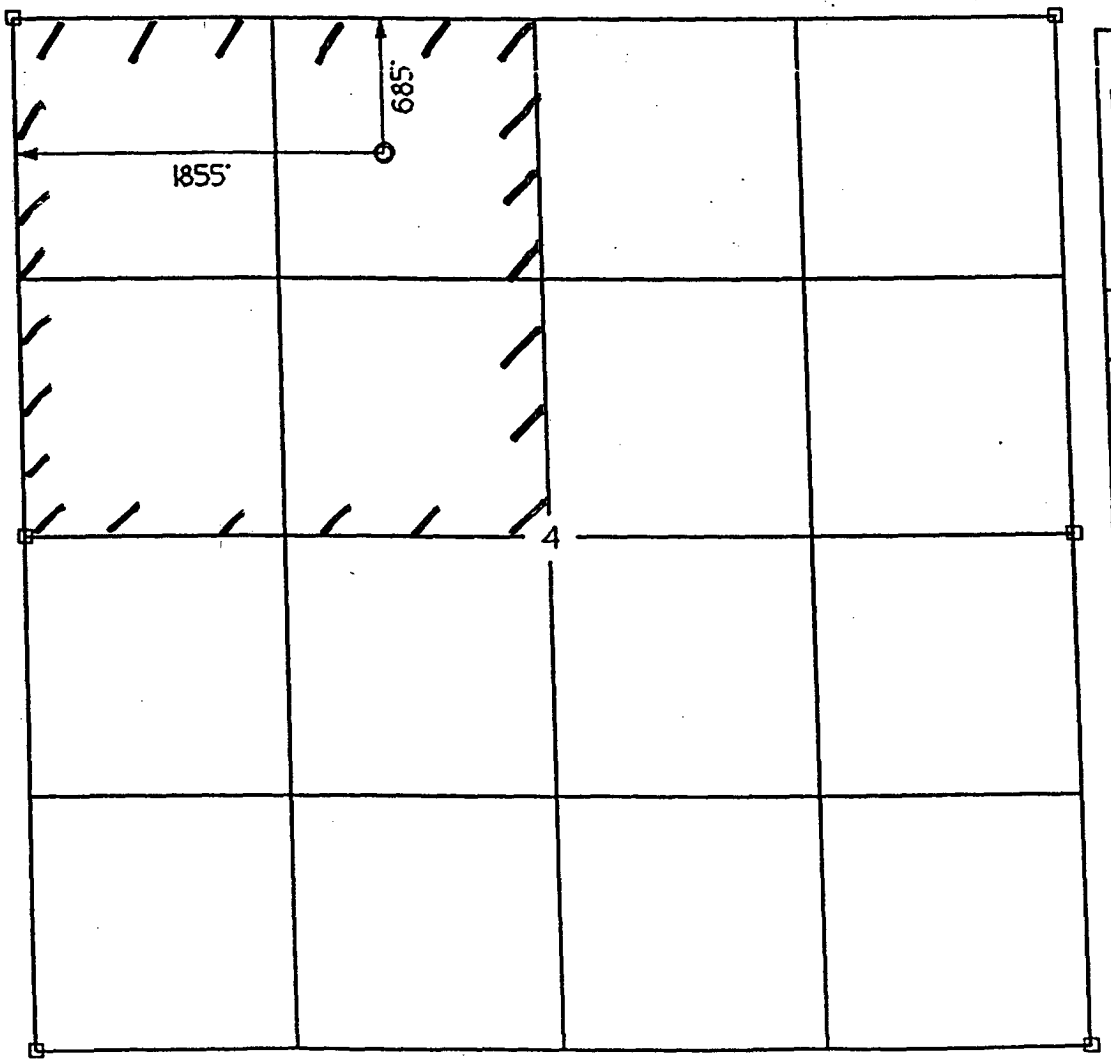

OPERATOR CERTIFICATION

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

Signature: Brian Wood

Printed Name: BRIAN WOOD

Title: CONSULTANT

Date: NOV. 23, 2000

SURVEYOR CERTIFICATION

I hereby certify that the well location 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

REV: SEPTEMBER 2000

Signature and Seal of Professional Surveyor:

GERALD G. HUDDLESTON
NEW MEXICO
6844
REGISTERED LAND SURVEYOR