Form 3160-4
(April 2004)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0137
Expires: March 31, 2007

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

2007 FEB 8 PM 2:37
RECEIVED
070 FARMINGTON NM

1a. Type of Well ☐ Oil Well ☑ Gas Well ☐ Dry ☐ Other
b. Type of Completion: ☑ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.
Other

5. Lease Serial No. 14-20-603-2199
6. If Indian, Allottee or Tribe Name: Navajo Tribal
7. Unit or CA Agreement Name and No.: NA
8. Lease Name and Well No.: NV Navajo 21 #1
9. API Well No.: 30-045-33380 – 0051
10. Field and Pool, or Exploratory: Basin Fruitland Coal
11. Sec., T., R., M., on Block and Survey or Area: Sec.21, T29N, R14W
12. County or Parish: San Juan County
13. State: NM

2. Name of Operator: Lance Oil & Gas Company, Inc.
3. Address: P.O. Box 70, Kirtland NM 87417
3a. Phone No. (include area code): 505-598-5601
4. Location of Well (Report location clearly and in accordance with Federal requirements)*
At surface: 1525' FNL and 1590' FEL, Section 21, T29N, R14W
At top prod. interval reported below
At total depth

14. Date Spudded: 11/08/2006
15. Date T.D. Reached: 11/26/2006
16. Date Completed: ☐ D & A ☑ Ready to Prod. 02/02/2007
17. Elevations (DF, RKB, RT, GL)*: 5237' GL

18. Total Depth: MD 1021' KB TVD
19. Plug Back T.D.: MD TVD
20. Depth Bridge Plug Set: MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
Neutron density, induction, and cement bond

22. Was well cored? ☑ No ☐ Yes (Submit analysis)
Was DST run? ☑ No ☐ Yes (Submit report)
Directional Survey? ☐ No ☑ Yes (Submit copy)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12-1/4"	8-5/8"	24	surface	138' KB	primary	118 sxs. - G	24.8	surface	
7-7/8"	5-1/2"	15.5	surface	1016'KB	lead	105sxsPRBII	41.5	surface	
					tail	50 sxs PRBII	17.8	surface	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2-3/8"	710' KB							

25. Producing Intervals / 26. Perforation Record

	Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A)	Middle Fruitland Coal	541'	546' KB	541' - 546' KB	0.42"	4 SPF	Open
B)	Middle Fruitland Coal	582'	586' KB	582' - 586' KB	0.42"	4 SPF	Open
C)	Middle Fruitland Coal	600'	603' KB	600' - 603' KB	0.42"	4 SPF	Open
D)	Basal Fruitland Coal	646'	664' KB	646' - 662' KB	0.42"	4 SPF	Open

27. Acid, Fracture, Treatment, Cement Squeeze, etc.

Depth Interval	Amount and Type of Material
541' - 662' KB	2,000 gallons 15% HCL 53,861 gallons of 20# Delta 140 cross-linked gel and 150,100 pounds 16/30 mesh Ottawa Sand.

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	**Tbg. Press. Flwg. SI**	**Csg. Press.**	**24 Hr. Rate →**	**Oil BBL**	**Gas MCF**	**Water BBL**	**Gas/Oil Ratio**	**Well Status**	

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	**Tbg. Press. Flwg. SI**	**Csg. Press.**	**24 Hr. Rate →**	**Oil BBL**	**Gas MCF**	**Water BBL**	**Gas/Oil Ratio**	**Well Status**	

(See instructions and spaces for additional data on page 2)

FARMINGTON

ACCEPTED FOR RECORD
FEB 08 2007
FARMINGTON FIELD OFFICE
BY: [illegible]

8 2/16

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status

29. Disposition of Gas *(Sold, used for fuel, vented, etc.)*

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
				Kirtland	**Surface**
				Fruitland	**147' KB**
				Middle Fruitland Coal	**541' KB**
				Basal Fruitland Coal	**645' KB**
				Picture Cliffs Sandstone	**665' KB**
				Lewis Shale	**904' KB**

32. Additional remarks (include plugging procedure):

33. Indicate which items have been attached by placing a check in the appropriate boxes:

☐ Electrical/Mechanical Logs (1 full set req'd.) ☐ Geologic Report ☐ DST Report ☐ Directional Survey
☐ Sundry Notice for plugging and cement verification ☐ Core Analysis ☐ Other:

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name *(please print)* **Tod H. Haanes** Title **Production Engineer**

Signature Tod H. Haanes Date **02/07/2007**

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.