Form 3160-3 (September 2001)

15. Distance from proposed

location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)

Distance from proposed location* to nearest well, drilling, completed,

applied for, on this lease, ft.

UNITED STATES DEPARTMENT OF THE INTERIOR **BUREAU OF LAND MANAGEMENT**

16. No. of Acres in lease

1,632.00

1000'

22. Approximate date work will start

19. Proposed Depth

1995	OCT	18		.7		OFFORM APPROVED OMB No. 1004-0136 Expires January 31, 200
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DEPARTMENT OF THE BUREAU OF LAND MAI APPLICATION FOR PERMIT TO	6. If Indian, Allottee or Tribe Navajo	Name	
la. Type of Work: DRILL REE	NTER	7. If Unit or CA Agreement, Na N/A	ame and No.
1b. Type of Well: Oil Well Of Gas Well Other	Single Zone KK Multiple Zone	8. Lease Name and Well No. NV Navajo 21	#1
2. Name of Operator Lance Oil & Gas Company, Inc.		9. API Well No. 30-045- 333	80 .
3a. Address Box 70, Kirtland, NM 87417	3b. Phone No. (include area code) 598-5601	10. Field and Pool, or Exploration Basin Fr. Coal,	Kutzwi
4. Location of Well (Report location clearly and in accordance At surface 1525' FNL & 1590' FEI At proposed prod. zone Same	with any State requirements.*)	11. Sec., T., R., M., or Blk. and Gention 21-T29N-	Survey or A
14. Distance in miles and direction from nearest town or post offic 5 Miles SW of Farming	gton, NM	12. County or Parish San Juan	13. State NM

Upon approval 5237 GL 24. Attachments.

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

1. Well plat certified by a registered surveyor.

21. Elevations (Show whether DF, KDB, RT, GL, etc.)

- 2. A Drilling Plan.
- A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).

1800

600'

4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).

17. Spacing Unit dedicated to this well

20. BLM/BIA Bond No. on file

E/2-Fr. Coal 3 NE/4-W. Kutz PC

23. Estimated duration

BLM Nationwide #965004351

2 weeks

- Operator certification.
- Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature	Ya		Name (Printed/Typed) Paul Lehrman	Date 10-17-05
Title Sr.	1			
Approved by (Signatu		ulie w	Name (Printed/Typed)	Date 7/18/06
Title	7	SEM	Office	

Application approval does not warrant or certify the the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

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 reverse)



State of New Mexico Energy. Minerals & Mining Resources Department OL CONSERVATION DIVISION 2040 South Pacheco Santa Fe. NM 87505

MENDED REPORT

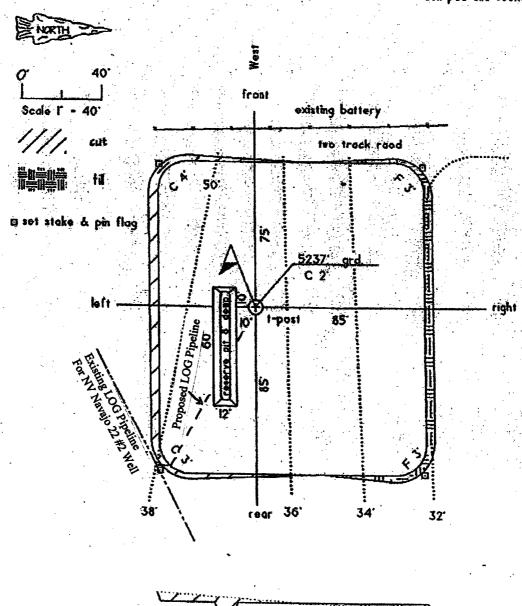
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State of New Mexico Energy. Minerals & Mining Resources Department OIL CONSERVATION DIVISION 2040 South Pacheco Sonta Fe. NM 87505

MENDED REPORT

APA Nu	SECTION 1	WEL	L LOCAT	TION AND AC	REAGE D	EDICATION				
30-045- <i>33</i>	전문 하면 있는 것 같아.		Pool Cox 1629		Pool Nome Basin Fruitland Coal					
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₹ 8 • E/2	2 Fruiti.	and Coal		6		56	N148 W	I hereby contained to the bester. Signature Pay Title Sr. Date 0- SURV I hereby	Landman Landman 17-05 EYOR CERTIFICATION certify that the well location	
5290'	N 88 58		dec 36.2	(GS 84 mal of degree 75203 N 31492 W	Exi NV	isting V Navajo 21 #4 1907SL/880 FFEL	7 5364	on this notes of an under some is of my bate of	plat was plotted from field control surveys made by ne may supervision, and that the true and correct to the bes elief. Survey 13 April 2005 a and Seal of page Saryabano	

Office	State of New Me	exico	Form C-103	
District I	Energy, Minerals and Natu	ral Resources	May 27, 2004	
1625 N. French Dr., Hobbs, NM 88240 District II	OIL CONSERVATION	DIVISION	30-045- 3 5 280	
1301 W. Grand Ave., Artesia, NM 88210 District III	1220 South St. Fran		5. Indicate Type of Lease Navajo 14-20- STATE FEE 2199	603-
1000 Rio Brazos Rd., Aztec, NM 87410 District IV	Santa Fe, NM 87	7505	STATE FEE 2199 6. State Oil & Gas Lease No.	,
1220 S. St. Francis Dr., Santa Fe, NM 87505				
1	ICES AND REPORTS ON WELLS		7. Lease Name or Unit Agreement Name	
DIFFERENT RESERVOIR. USE "APPLI	SALS TO DRILL OR TO DEEPEN OR PL CATION FOR PERMIT" (FORM C-101) FO		NV Navajo 21	
PROPOSALS.) 1. Type of Well: Oil Well	Gas Well Other		8. Well Number #1	
2. Name of Operator	il & Gas Company, Inc.		9. OGRID Number 229938	
3. Address of Operator	Vintland NM 07/17		10. Pool name or Wildcat	
	Kirtland, NM 87417		Basin Fr. Coal/West Kutz PC	
4. Well Location Unit Letter G:	1525 feet from the North	line and	1590 feet from the East line	
Section 21	0.037	ange 14W	NMPMSan JuanCounty NM	
	11. Elevation (Show whether DR	, RKB, RT, GR, etc.		
Pit or Below-grade Tank Application X	5237 or Closure	GR		
		vater well >500 Dis	tance from nearest surface water 1000	
Pit Liner Thickness: 12 mil	Below-Grade Tank: Volume	bbls; Ce	onstruction Material Impervious Plastic	•
12. Check	Appropriate Box to Indicate N	lature of Notice,	Report or Other Data	
NOTICE OF IN	NTENTION TO:	l SUB	SEQUENT REPORT OF:	
PERFORM REMEDIAL WORK	PLUG AND ABANDON	REMEDIAL WOR	RK ALTERING CASING	
TEMPORARILY ABANDON PULL OR ALTER CASING	CHANGE PLANS MULTIPLE COMPL	COMMENCE DR CASING/CEMEN		
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OTHER:	pleted operations (Clearly state all	OTHER:	ad give pertinent dates, including estimated date	
			ttach wellbore diagram of proposed completion	
	ork). See Rule 1103. For Multip	ne completions. 11	-men wenever ambran or proposed completion	
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rection

Lance Oil & Gas Company, Inc. NV Navajo 21 #1 1525' FNL & 1590' FEL Section 21, T29N, R14W, NMPM San Juan County, New Mexico

DRILLING PROGRAM

1. ESTIMATED FORMATION TOPS:

Formation Property of the Prop	GL Depth	KB Depth	Subsea Elevation
Kirtland Shale	000'	005'	+5,237'
Basal Fruitland Coal S8	700'	705'	+4,537'
Pictured Cliffs Ss	725'	730'	+4,512'
Total Depth (TD)*	1000'	1005'	+4,237'
*All elevations reflect the uno	raded ground level of 5	237'	•

2. NOTABLE ZONES:

Gas Zones	Water Zones	Coal Zones
Fruitland	Fruitland Coal	Fruitland Coal

Pictured Cliffs

Water zones will be protected with casing, cement, and weighted mud. Fresh water encountered during drilling will be recorded by depth, cased, and cemented. Centralizers will be run through usable water zones to ensure that the casing is centralized through these zones. Number of centralizers will be based on API standards. A turbulizing centralizer will be run to ensure an adequate cement procedure just below the base of the lowest usable water zone. Oil and gas shows will be tested for commercial potential based on the well site representatives recommendations.

3. PRESSURE CONTROL:

The drilling contract has not yet been awarded, thus the exact BOP model to be used is unknown. (A typical 2,000 psi model has been attached to the end of the drilling program.) Double ram or annular system with a rotating head will be used. All ram preventers and related equipment will be hydraulically tested at nipple up and after any use under pressure to 1000 psi.

Blind rams will be hydraulically activated and checked for operational readiness each time pipe is pulled out of the hole. All checks of the BOP stack and equipment will be noted on the daily drilling report. BOP equipment will include a floor safety valve, choke manifold rated to 2000 psi. Maximum expected pressure is less than 500 psi.

Drilling Program Lance Oil & Gas Company, Inc.

Page Two

4. CASING AND CEMENTING PROGRAM:

Hole Size	<u>O.D.</u>	Weight (lb/ft)	<u>Grade</u>	<u>Age</u>	GL Setting Depth
12 1/4"	8 5/8"	24	J-55	New	120'
7 7/8"	5 ½"	15.5	J-55	New	1000'
				<	298 ⁶

Surface casing will be cemented to surface with ≈ 100 cu.ft. (≈ 30 sx) Howco Type II. Volume is based on 100% excess, yield of 1.20 cu.ft./sk, and slurry weight of 15.6 ppg. WOC = 12 hours. Pressure test surface casing to 600 psi for 30 minutes.

Production casing hole will first be cleaned of rock chips by circulating at least 150% of hole volume with drilling fluid to surface. Thirty barrels of fresh water will then be circulated. Lead with ≈ 178 cu.ft. (≈ 70 sx) Howco PRB-2 Type 3 (yield = 2.55 cu.ft./sk, slurry weight = 12.0 ppg). Tail in with ≈ 84 cu.ft. (≈ 49 sx) Howco PRB-2 Type 3 (yield = 2.0 cu.ft./sk, weight = 13.0 ppg). Total cement volume is ≈ 262 cu.ft. based on 50% excess and circulating to surface. If hold conditions and experience in the area allow, the excees may be reduced. WOC time will be as recommended by cementing company specifications but will not be less than 6 hours.

Production casing will have 5 ½" cement guide shoe and self fill float collar. Float will be placed one joint above the shoe. Six centralizers will be spaced every other joint starting above the shoe. Additional centralizers will be run, one every fourth joint with one centralizer in the shoe joint of the 8-5/8" surface casing.

5. MUD PROGRAM:

Surface casing hole will be drilled with fresh water. Production casing hole will be drilled with a fresh water polymer mud. Weighting material will be drill solids or, if needed, barite. Maximum expected mud weight will be 8.7 ppg. Sufficient material to maintain mud properties, control lost circulation, and contain a blowout will be available at the well while drilling.

6. CORING, TESTING, & LOGGING:

Open hole logs will be run. Proposed Logs will include DIL/GR/CNL, and will be run from TD to surface.

7. **DOWNHOLE CONDITIONS:**

No abnormal pressures, temperatures, nor hydrogen sulfide are expected. Maximum pressure will be approximately ≈250 psi.

Drilling Program
Lance Oil & Gas Company, Inc.

Page Three

8. OTHER INFORMATION:

The anticipated spud date is February 15, 2005. It should take 5 days to drill and one (1) week to complete the well.

BLOW OUT PREVENTER (B.O.P.

