

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0136
Expires November 30, 2000

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. NM-03358
1b. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name
2. Name of Operator DEVON ENERGY PRODUCTION CO LP Contact: PATTI RIECHERS E-Mail: patti.riechers@dvn.com		7. If Unit or CA Agreement, Name and No.
3a. Address 20 N BROADWAY, SUITE 1500 OKLAHOMA CITY, OK 73102		8. Lease Name and Well No. NORTHEAST BLANCO UNIT 221
3b. Phone No. (include area code) Ph: 405.228.4248 Fx: 405.228.4848		9. API Well No. 3004532190
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface SWNW 1485FNL 720FWL At proposed prod. zone SWNW 1485FNL 720FWL		10. Field and Pool, or Exploratory LOS PINOS; FRT SND PC, SOUTH
14. Distance in miles and direction from nearest town or post office* APPROXIMATELY 21 MILES SOUTH FROM IGNACIO, CO		11. Sec., T., R., M., or Blk. and Survey or Area E Sec 13 T31N R7W Mer NMP
15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)	16. No. of Acres in Lease 2396.77	12. County or Parish SAN JUAN
17. Spacing Unit dedicated to this well 320.00 160 NW/4	18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft.	13. State NM
19. Proposed Depth 3669 MD	20. BLM/BIA Bond No. on file	
21. Elevations (Show whether DF, KB, RT, GL, etc.) 6501 GL	22. Approximate date work will start	23. Estimated duration

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.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification
6. Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature (Electronic Submission)	Name (Printed/Typed) PATTI RIECHERS	Date 02/23/2004
Title AUTHORIZED SIGNATURE		
Approved by (Signature)	Name (Printed/Typed) /s/ David J. Markiewicz	Date
Title	Office	

Application approval does not warrant or certify 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.

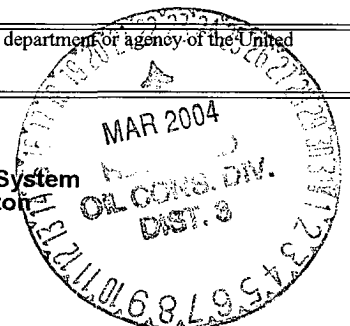
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Additional Operator Remarks (see next page)

Electronic Submission #28191 verified by the BLM Well Information System
For DEVON ENERGY PRODUCTION CO LP, sent to the Farmington

DRILLING OPERATIONS AUTHORIZED ARE
SUBJECT TO COMPLIANCE WITH ATTACHED
"GENERAL REQUIREMENTS",

This action is subject to technical and
procedural review pursuant to 43 CFR 3165.3
and appeal pursuant to 43 CFR 3165.4



** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED **

NMOCD

District I
PO Box 1980, Hobbs NM 88241-1980
District II
PO Drawer KK, Artesia, NM 87211-0719
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

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 30-045-32190		2 Pool Code 80690		3 Pool Name Los Pinos; Frt Snd PL, South		
4 Property Code 19641		5 Property Name NEBU			6 Well Number # 221	
7 OGRID No. 6137		8 Operator Name Devon Energy Production Company, L.P.			9 Elevation 6501	

10 Surface Location

UL or Lot No. E	Section 13	Township 31 N	Range 7 W	Lot Idn	Feet from the 1485	North/South line NORTH	Feet from the 720	East/West line WEST	County SAN JUAN
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11 Bottom Hole Location If Different From Surface

12 UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
13 Dedicated Acres 160		14 Joint or Infill		15 Consolidation Code		16 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

						17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.	
						Signature Patti Riechers Printed Name Sr. Operations Tech Title 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 August 14, 2003 Signature and Seal of Professional Surveyor 	
						7016 Certificate Number	

NEBU 221
Unit E 13-31N-7W
San Juan Co., NM

DRILLING PLAN

1. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS & ANTICIPATED WATER, OIL, GAS OR MINERAL FORMATIONS:

Formation	TYD (ft)	Hydrocarbon/Water Bearing Zones
San Jose	Surface	
Ojo Alamo	2371	Aquifer
Kirtland	2497	
Fruitland	2936	Gas
1 st Frlld Coal	3030	Gas
Upper PC Sand Tongue	3290	Gas
Lower FRLD	3315	Gas
Pictured Cliffs	3337	Gas
Lewis	3569	
TD	3669	

All shows of fresh water and minerals will be adequately protected and reported.

2. PRESSURE CONTROL EQUIPMENT:

All well control equipment shall be in accordance with Onshore Order #2 for 2M systems.

The minimum specifications for pressure control equipment that will be provided are included on the attached schematic diagram, which shows the size, and pressure ratings.

2000# BOP With Pipe Rams and 2000# BOP With Blind Rams

Auxiliary equipment to be used:

- Upper kelly cock with handle available.

The manifold includes appropriate valves and adjustable chokes. The kill line will have one check valve. Ram type preventers will be pressure tested to full working pressure (utilizing a test plug) or 70% of the internal yield pressure (without a test plug) at:

- Initial installation
- Whenever any seal subject to test pressure is broken
- Following related repairs
- At 30 day intervals

Pipe and blind rams shall be activated each trip.

A BOPE pit level drill will be conducted weekly for each drilling crew.
All tests and drills will be recorded in the drilling log.

The accumulator will have sufficient capacity to close all rams and retain 200 psi above pre-charge pressure without the use of closing unit pumps.

Master controls will be at the accumulator. Anticipated bottom hole pressure is ¹⁵⁰⁰~~3400~~ psi.

*per Patti Riechers
3/2/04*

3. **CASING & CEMENTING PROGRAM:**

A. The proposed casing program will be as follows:

TVD	Hole Size	Size	Grade	Weight	Thread	Condition
0-285	12-1/4"	9-5/8"	H-40	32#	STC	New
0-3669	6-1/4"	4-1/2"	J-55	11.6#	LTC	New

The 9-5/8" surface pipe will be tested to 750 psi. All casing strings below the surface shoe shall be pressure tested to 0.22 psi/ft. of casing string length or 1500 psi, whichever is greater, but not to exceed 70% minimum internal yield.

Surface: The bottom three joints of the surface casing will have a minimum of one centralizer per joint and one centralizer every joint thereafter (Total 5 centralizers estimated)

4-1/2" Casing: The bottom three joints of the casing will have a minimum of one centralizer per joint and one centralizer every fifth joint thereafter to above Ojo Alamo with turbolizers below and throughout the Ojo Alamo. (Total 12 centralizers, 3 turbolizers estimated).

B. The proposed cementing program will be as follows:

Surface String:

9-5/8" Surface cemented in a 12-1/4" hole at ^{285'}~~320'~~
32.3# H-40 ST&C 8 Rnd
Saw tooth guide shoe
Cemented with 200 sacks Class B mixed at 15.6 ppg w/.25 pps
Celloflake, 2% calcium chloride. Yield 1.19 ft³/sx, cement
Designed to circulate to surface.

Production String:

4-1/2" Production casing cemented in an 6-1/4" hole
11.6# J-55 LT&C 8 Rnd
Float collar
Joint
Float Shoe
Cement with 500 sacks Class B 50/50 POZ, 3% gel, 5# gilsonite,
1/4"# Flocele, .1% CFR 3, .2% Halad 344, yield 1.47 ft3/sx.
Cement designed to circulate to surface.
Pending hole conditions, cement baskets may be installed above
TD

Actual volumes will be calculated and adjusted with caliper log prior to cementing.

If hole conditions dictate, an alternate, two stage cement design will be used. Stage 1:
325 sxs 50/50 POZ, 3% gel, .9% Halad 9, .2% CFR 3, %# Gilsonite & 1/4"# Flocele. Yield
1.47 13#. Stage 2: Lead: 450 sx 50/50 POZ, 3% Gel, .9% Halad 9, .2% CFR 3, 5#
Gilsonite & 1/4"# Flocele. Yield 1.47 13 ppg. Tail: 25 sx (5 bbls) Class B .4% Halad 9.
Yield 1.18 15.6#, possible N2.

4. DRILLING FLUIDS PROGRAM:

TVD	Type	Weight (ppg)	Viscosity	pH	Water Loss	Remarks
0-285'	Spud	8.4-9.0	29-70	8.0	NC	FW gel,
285-TD	LSND/Air	8.4-9.0	29-70	8.0	10-12	LCM as needed

NC = no control

Sufficient quantities of mud material will be maintained on site or be readily accessible for the purpose of assuring well control. SPR will be recorded on daily drilling report after mudding up. Visual mud monitoring will be conducted during operations.

5. EVALUATION PROGRAM: