

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

N.M. Oil Cons. DIV-Dist. 2
1301 W. Grand Avenue
Artesia, NM 88210

Form approved
OMB No. 1004-0136
Expires November 30, 2000

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. TYPE OF WORK: ☒ DRILL ☐ REENTER

b. TYPE OF WELL: ☐ OIL WELL ☒ GAS WELL ☐ Other ☐ SINGLE ZONE ☐ MULTIPLE ZONE

2. NAME OF OPERATOR

DEVON ENERGY PRODUCTION COMPANY, L.P.

3a. ADDRESS AND TELEPHONE NO.

20 NORTH BROADWAY, SUITE 1500, OKC, OK 73102

3b. TELEPHONE (include area code).

(405) 235-3611

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface (C) 660' FNL & 1980' FWL

At top proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

Approximately 42 miles West of Hobbs, New Mexico

15. DISTANCE FROM PROPOSED

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT. 660'
(Also to nearest drlg. unit line if any)

16. NO. OF ACRES IN LEASE

480.00

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT. 2840'

19. PROPOSED DEPTH

12,500'

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

3453' GL

22. APPROX. DATE WORK WILL START*

December 15, 2001

5. LEASE DESIGNATION AND SERIAL NO.

NM-99040

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

N/A

7. UNIT AGREEMENT NAME

27120

8. FARM OR LEASE NAME, WELL NO.

Ranger "17" Federal # 5

9. API WELL NO.

30-015-32623

10. FIELD AND POOL, OR WILDCAT

Hackberry Morrow 78000

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

Section 17-T19S-R31E

12. COUNTY OR PARISH

Eddy County

13. STATE

NM

17. Spacing Unit dedicated to this well

X 60 320

20. BLM/BIA Bond No. on file

CO-1104

23. Estimated duration

45 days

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 above).
5. Operator certification.
6. Such other site specific information and/or plans as may be required by the autho officer.

Devon Energy Production Company, L. P. proposes to drill a Morrow well to TD 12,500'± for commercial quantities of gas. If the well is deemed noncommercial the well bore will be plugged and abandoned per Federal regulations. Programs to adhere to onshore oil and gas regulations are outlined in the following exhibits and attachments.

Drilling Program

Surface Use and Operating Plan

Exhibit #1 = Blowout Prevention Equipment

Exhibit #2 = Location and Elevation Plat

Exhibit #3 = Road Map and Topo Map

Exhibit #4 = Wells Within 1 Mile Radius

Exhibit #5 = Rotary Rig Layout

Exhibit #6 = H₂S Operating Plan

Exhibit #7 = Casing Design

Exhibit #8 = Archeological Clearance Report

Captain Controlled Water Back

The undersigned accepts all applicable terms, conditions, stipulations and restrictions concerning operations conducted on the leased land or portions thereof, as described above

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS
ATTACHED

25. Signature

Title
Sr. Operations Engineer

Name (Printed/Typed)
SL Hillville

Date
10/17/01

Approved by (signature)

/s/ LESLIE A. THEISS

Name (Printed/Typed)

/s/ LESLIE A. THEISS

Date

NOV 29 2001

Title

FIELD MANAGER

Office

CARLSBAD FIELD OFFICE

Entered
2-12-03

Application approval 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.

Conditions of approval, if any, are attached.

APPROVAL FOR 1 YEAR

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

*(Instructions on reverse)

DISTRICT I-
1825 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 and Natural Resources Department

Form C-102
Revised March 17, 1999

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

OIL CONSERVATION DIVISION

2040 South Pacheco
Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code 78000	Pool Name Hackberry Morrow
Property Code 27120 28690	Property Name RANGER "17"	Well Number 5
OGRID No. 6137	Operator Name DEVON ENERGY PRODUCTION CO. LP.	Elevation 3453'

Surface Location

UL or lot No. C	Section 17	Township 19 S	Range 31 E	Lot Idn	Feet from the 660	North/South line NORTH	Feet from the 1980	East/West line WEST	County EDDY
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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
Dedicated Acres 160	Joint or Infill Infill	Consolidation Code	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

<p>Proposed Ranger 17 Fed #5</p> <p>Existing Ranger 17 Fed #1</p> <p>Lot.: N32°39'57.2" Long.: W103°53'57.1"</p>	<p>OPERATOR CERTIFICATION</p> <p>I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.</p> <p> Signature Jim L. Linville Jr. Printed Name Sr. Operations Engineer Title 10/17/01 Date</p> <p>SURVEYOR CERTIFICATION</p> <p>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>SEPTEMBER 18, 2001 Date Surveyed</p> <p> Signature of Gary L. Jones Professional Surveyor</p> <p> Professional Surveyor</p> <p>Certificate No. 1006 7977</p> <p>JLP BASIN SURVEYS</p>
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RANGER 17 FEDERAL # 5
DRILLING PLAN
PAGE 2

4. Casing Program

	<u>Hole Size</u>	<u>Interval</u>	<u>Casing OD</u>	<u>Weight, ppf</u>	<u>Grade</u>	<u>Type</u>
<u>WITNESS</u>	17 1/2"	0-450'	13 3/8"	48#	H-40	ST&C
	12 1/4"	0-4550'	8 5/8"	32#	J-55	LT&C
	7 7/8"	0-12500'±	5 1/2"	17# / 20#	L-80	LT&C

Cementing Program

13 3/8" Surface Casing: Cement to surface -- with 321 sx Poz:Class C with 6% Bentonite, 2% CaCl₂, 1/4 lb/sx Cello Flake + 250 sx Class C with 2% CaCl₂, 1/4 lb/sx Cello Flake.

8 5/8" Intermediate Casing: Cement to surface -- with 1310 sx Poz:Class C with 6% Bentonite, 5% NaCl₂, 1/4 lb/sx Cello Flake + 504 sx Poz:Class C with 4% MPA-1, 5% NaCl₂, 1/4 lb/sx Cello Flake.

5 1/2" Production Casing: Cement to 6500' -- Stage 1 with 426 sx Poz:Class C CSE with 2% KCl₂, 0.6% FL-25, 0.6% FL-52, 0.3% CD-32, 2 lbs/sx EC-1, 5 lbs/sx LCM-1, 1/4 lb/sx Cello Flake + 200 sx Class H with 3% KCl₂, 1% FL-25, 0.15% R-3.

The cement volumes for the 5 1/2" casing will be revised pending the caliper measurement from the open hole logs.

5. Minimum Specifications for Pressure Control

* { The blowout preventer equipment (BOP) shown in Exhibit #1 will consist of a (3M system) double ram type (3000 psi WP) preventer and a bag-type (Hydril) preventer (3000 psi WP). Both units will be hydraulically operated and the ram type preventer will be equipped with blind rams on top and 4 1/2" drill pipe rams on bottom. Both BOP's will be installed on the 8 5/8" surface casing and utilized continuously until total depth is reached. As per BLM Drilling Operations Order #2, prior to drilling out the 8 5/8" casing shoe, the BOP's and Hydril will be function tested.

* TALKED TO TIM LINVILLE 10/29/01 - DEVON

~~THE~~ 3M BOP SYSTEM WILL BE RUN TO 4550' ON 13 3/8" SURFACE PIPE -- PRIOR TO DRILL OUT OF 8 5/8" CSG SHOE
 A 5M BOP SYSTEM WILL BE ~~IN~~ ~~TO~~ ~~BE~~ INSTALLED AND RUN TO TD.
 L.B. 10/29/01