

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 100A-0139
Expires March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

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

2. Name of Operator ☒
DEVON ENERGY CORPORATION (NEVADA) FAX-405-552-4621

3. Address and Telephone No.
20 NORTH BROADWAY, SUITE 1500, OKLAHOMA CITY, OKLAHOMA 73102 (405) 235-3811

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
SHL 1320' FSL & 2323' FWL, Lot 10, Section 20-21S-26E, Eddy County, NM
BHL 1650' FSL & 1980' FWL, Section 20-21S-26E, Eddy County, NM

5. Lease Designation and Serial No.
SHL & BHL: NM-NMB4-B

6. If Indian, Allottee or Tribe Name
N/A

7. If Unit or CA, Agreement Designation
N/A

8. Well Name and No.
Arco "20" Federal Com. #2

9. API Well No.
30-015-30599

10. Field and Pool, or Exploratory Area
Avalon (Morrow)

11. County or Parish, State
Eddy County, New Mexico

CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Reconpletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input checked="" type="checkbox"/> Altering Casing
	<input type="checkbox"/> Other
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Reconpletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give azimuth, longitude and measured and true vertical depths for all markers and zones pertinent to this work.)

Please be advised, concerning the Arco "20" Fed. Com. #2, that Devon Energy Corporation (Nevada) is requesting approval of this amendment to the 9 5/8" casing design so as to set casing at +1-2100' rather than at 1700' as listed in the Application for Permit to Drill. This action is being requested based on experience from offset wells. The Devon operated Carlsbad "22" Fee Com. #2 had 8 5/8" intermediate casing set and cemented at 2200'. A subsequent cement bond log indicated primary cement from 2200 to 1850' indicating lost circulation above 1850'. The Witt Federal 30-1 set and cemented the 9 5/8" intermediate at 2280'. A subsequent cement bond log indicated primary cement from 2280' to 1250'. Correcting for the 224' difference in GL elevation between the Witt and the Arco, the Witt primary cement top would be 1474'. It is feared that if casing is set at 1700' on the Arco well that the shoe joint would not have an adequate cement bond. If a well control situation arose which required shutting in the well there could be a situation where the produced fluid from lower intervals entered the Capitan Reef. The extra 400' of casing depth requested would help to ensure that an adequate cement bond above the shoe could be obtained so that the well could be controlled during a well control situation and no contamination of the Capitan Reef would occur.

14. I hereby certify that the foregoing is true and correct

Signed Walter M. Frank Title District Engineer Date 4/21/99

(This space for Federal or State office use)

Approved by Peter R. Fryman Title Peter R. Fryman Date 4-21-99

Conditions of approval, if any.

NOTE - G-10 Report - Showed @ 2250' Safety Depth OK.

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 to any matter within its jurisdiction.

*See Instruction on Reverse Side

USE FR-554 with

SET 0 5/8" SHOE above balance formation