

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

NM OIL CONS COMMISSION  
Lower DD  
Artesia, NM 88210

FORM APPROVED  
Budget Bureau No. 1004-0135  
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

RECEIVED

AUG 29 '94

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

2. Name of Operator  
Devon Energy Corporation (Nevada)

3. Address and Telephone No.  
1500 Mid-America Tower; 20 N. Broadway, Oklahoma City, OK 73102  
(405) 235-3811

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
2380' FSL & 1680' FWL  
Sec. K-34-T18S-R31E

5. Lease Designation and Serial No.  
NM 10191

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

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

8. Well Name and No.  
East Shugart Unit #33

9. API Well No.  
30-015-26484

10. Field and Pool, or Exploratory Area  
Shugart (Y-SR-Q-GB)

11. County or Parish, State  
Eddy County, NM

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of Intent
- ☐ Subsequent Report
- ☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
- ☐ Recompletion
- ☐ Plugging Back
- ☐ Casing Repair
- ☐ Altering Casing
- ☒ Other apply to convert to SGD
- ☐ Change of Plans
- ☐ New Construction
- ☐ Non-Routine Fracturing
- ☐ Water Shut-Off
- ☐ Conversion to Injection
- ☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion 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 subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

See attached Application for Authorization to Inject.

Subject to  
Like Approval  
by State

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

Signed Karen Rosa

Title Karen Rosa  
Engineering Assistant

Date 8/5/94

(This space for Federal or State office use)

Approved by (ORIG. SGD.) JOE G. LARA

Title PETROLEUM ENGINEER

Date 8/26/94

Conditions of approval, if any:

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.

\*See instruction on Reverse Side

APPLICATION FOR AUTHORIZATION TO INJECT

RECEIVED

- I. Purpose: ☒ Secondary Recovery ☐ Pressure Maintenance ☐ Disposal ☐ Storage  
Application qualifies for administrative approval? ☐ yes ☒ no
- II. Operator: Devon Energy Corporation (Nevada)  
Address: 20 North Broadway, Suite 1500, Oklahoma City, OK 73102  
Contact party: E. L. Buttross, Jr. (Ernie) Phone: (405) 552-4509
- III. Well data: Complete the data required on the reverse side of this form for each well proposed for injection. Additional sheets may be attached if necessary. refer to Attachment III
- IV. Is this an expansion of an existing project? ☐ yes ☒ no  
If yes, give the Division order number authorizing the project \_\_\_\_\_.
- V. Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review. refer to Attachment V
- \* VI. Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail. refer to Attachment VI
- VII. Attach data on the proposed operation, including: refer to Attachment VII
1. Proposed average and maximum daily rate and volume of fluids to be injected;
  2. Whether the system is open or closed;
  3. Proposed average and maximum injection pressure;
  4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and
  5. If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).
- \*VIII. Attach appropriate geological data on the injection zone including appropriate lithologic detail, geological name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such source known to be immediately underlying the injection interval. refer to Attachment VIII
- IX. Describe the proposed stimulation program, if any. The perfs will be acidized with 15% HCl acid.
- \* X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division they need not be resubmitted.) This information is already on file with the OCD.
- \* XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken. There are no fresh water wells in this area.
- XII. Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground source of drinking water. refer to Attachment XII.
- XIII. Applicants must complete the "Proof of Notice" section on the reverse side of this form. refer to Attachment XIV.
- XIV. Certification

I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.

Name: E. L. Buttross, Jr.

Title District Engineer

Signature: E. L. Buttross, Jr.

Date: 8/4/94

- \* If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be duplicated and resubmitted. Please show the date and circumstance of the earlier submittal.

## WELLBORE SCHEMATIC

EAST SHUGART UNIT #33

660' FNL + 990' FNL, SEC 34-T18S-R31E

EDDY COUNTY, NM.

PRESENT

PROPOSED

8 5/8" 24# J-55 CSG  
 SET @ 963'  
 CMT'D W/ 600SXS (TOCESURF)

2606'  
 YATES PERFS  
 (74 HOLES)

2777'

2 3/8" Fiberglass  
 OR IPC TBG →

CIBP @ 3390'  
 W/ 20' CMT ON TOP

YATES  
 PERFS  
 502'D

BAKER  
 LOK-SET  
 PKR @ ±3320'

3400'  
 UPPER QUEEN PERFS

3644'

LOWER QUEEN  
 PERFS

3742'

3807'

3822'

3857'

PBTD @ 3956'

5 1/2" 15.5# J-55 CSG  
 SET @ 4000'

CMT'D W/ 1800SXS (TOC @ SURF)

3400'

3644'

3742'

3807'

3822'

3857'

CIBP  
 @ 3680'

43 SHEETS 1 SQUARE  
 43 SHEETS 1 SQUARE  
 43 SHEETS 1 SQUARE  
 43 SHEETS 1 SQUARE



### ATTACHMENT III (tabular)

#### WELL DATA

- A. (1) East Shugart Unit #33  
660' FNL & 990' FEL  
Section 34-T18S-R31E  
Eddy County, NM
- (2) Please refer to the wellbore schematic labeled Attachment III-(schematic). Cement was circulated back to surface on the surface string and the production string.
- (3) We will be using 2 3/8" fiberglass or internally coated tubing. The tubing will be set at 3320' (±).
- (4) We will use a 5 1/2" x 2 3/8" Loc-set packer (internally coated) set at 3320' (±).
- B. (1) The injection formations will be the Queen sands in the Shugart (Y-SR-Q-G) Field.
- (2) The injection interval will be selectively perforated. The proposed perforated intervals are as follows:
- |                                |                          |
|--------------------------------|--------------------------|
| 3400' - 3450' (12' - 24 holes) |                          |
| 3529' - 3537' (7' - 14 holes)  |                          |
| 3638' - 3644' (7' - 14 holes)  | <u>Total perfs = 103</u> |
| 3742' - 3807' (29' - 29 holes) |                          |
| 3822' - 3857' (20' - 22 holes) |                          |
- (3) This well was originally drilled as a Yates-Queen oil well. It was shut-in after testing at a non-commercial rate from these zones.
- (4) Please refer to the wellbore schematic labeled Attachment III (schematic). The Yates perfs from 2606' - 2777' will be cement squeezed. The CIBP's at 3390' and 3680' will be drilled out.
- There are no lower oil or gas zones in the area of this well. The Yates is open above the proposed injection perfs from 2606'-2777' but these perfs will be
- (5) cement squeezed prior to converting the well to injection.