

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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**

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

2. Name of Operator  
**DEVON ENERGY CORPORATION (NEVADA)**

3. Address and Telephone No.  
**20 NORTH BROADWAY, SUITE 1500, OKLAHOMA CITY, OKLAHOMA 73102 (405) 235-3611**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**Surface 2,167' FSL & 1,998' FWL, Unit K, Sec. 31, T21S, R24E, Eddy County, NM**  
**Bottom Hole Location 660' FSL & 1,650' FEL, Unit O, Sec. 31, T21S, R24E, Eddy County, NM**

5. Lease Designation and Serial No.  
**NM-LC063246D for SHL and BHL**

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

7. If Unit or CA, Agreement Designation  
**SW-211**

8. Well Name and No.  
**Winston Gas Com. #3**

9. API Well No.  
**30-015-30359**

10. Field and Pool, or Exploratory Area  
**Indian Basin (Morrow)**

11. County or Parish, State  
**Eddy Cnty, NM**

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

| TYPE OF SUBMISSION                                    | TYPE OF ACTION   |
|---|--|
| <input type="checkbox"/> Notice of Intent             | <input type="checkbox"/> Abandonment                       |
| <input checked="" type="checkbox"/> Subsequent Report | <input type="checkbox"/> Recompletion                      |
| <input type="checkbox"/> Final Abandonment Notice     | <input type="checkbox"/> Plugging Back                     |
|   | <input type="checkbox"/> Casing Repair                     |
|   | <input type="checkbox"/> Altering Casing                   |
|   | <input checked="" type="checkbox"/> Other <u>amend APD</u> |
|   | <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 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.)\*

Please be advised, concerning the Winston Gas Com. #3, that Devon Energy Corporation (Nevada) is amending the 7" casing setting depth, due to lost circulation, from 10,420' to  $\pm 8,774'$ . See attached casing design for details.



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

Signed Candace R. Graham

Candace R. Graham

Title Engineering Technician

Date October 14, 1998

(This space for Federal or State office use)

Approved by (ORIG. SGD.) GARY GOURLEY

Title PETROLEUM ENGINEER

Date OCT 27 1998

Conditions of approval, if any:

|              |  |
|--------------|--|
| Well name:   | <b>Winston Gas Comm. #3</b>              |
| Operator:    | <b>Devon Energy Corporation (Nevada)</b> |
| String type: | <b>Production</b>                        |
| AFE No.:     | <b>970389</b>                            |
| Location:    | <b>Section 31, T21S, R24E</b>            |

**Design parameters:**
**Collapse**

Mud weight: 6.500 ppg  
Design is based on evacuated pipe.

**Minimum design factors:**
**Collapse:**

Design factor 1.125

**Burst:**

Design factor 1.00

**Environment:**

H2S considered? Yes  
Surface temperature: 90 °F  
Bottom hole temperature: 161 °F  
Temperature gradient: 0.85 °F/100ft  
Minimum section length: 1,500 ft

**Burst**

Max anticipated surface pressure: 2,818 psi  
Internal gradient: 0.000 psi/ft  
Calculated BHP 2,820 psi  
  
Annular backup: 10.00 ppg

**Tension:**

8 Round STC: 1.80 (J)  
8 Round LTC: 1.80 (J)  
Buttress: 1.60 (J)  
Premium: 1.50 (J)  
Body yield: 1.50 (B)

**Directional Info - Build & Drop**

Kick-off point 2500 ft  
Departure at shoe: 2145 ft  
Maximum dogleg: 3 °/100ft  
Inclination at shoe: 3 °

Tension is based on buoyed weight.  
Neutral point: 8,006 ft

| Run Seq | Segment Length (ft) | Size (in) | Nominal Weight (lbs/ft) | Grade | End Finish | True Vert Depth (ft) | Measured Depth (ft) | Drift Diameter (in) | Internal Capacity (ft³) |
|---------|---------------------|-----------|-------------------------|-------|------------|----------------------|---------------------|---------------------|-------------------------|
| 3       | 1000                | 7         | 26.00                   | J-55  | LT&C       | 1000                 | 1000                | 6.151               | 52.4                    |
| 2       | 6500                | 7         | 23.00                   | J-55  | LT&C       | 7140                 | 7500                | 6.25                | 300.4                   |
| 1       | 1274                | 7         | 26.00                   | J-55  | LT&C       | 8350                 | 8774                | 6.151               | 66.8                    |

  

| Run Seq | Collapse Load (psi) | Collapse Strength (psi) | Collapse Design Factor | Burst Load (psi) | Burst Strength (psi) | Burst Design Factor | Tension Load (Kips) | Tension Strength (Kips) | Tension Design Factor |
|---------|---------------------|-------------------------|------------------------|------------------|----------------------|---------------------|---------------------|-------------------------|-----------------------|
| 3       | 338                 | 3722                    | 11.02                  | 2818             | 4980                 | 1.77                | 179                 | 367                     | 2.05 J                |
| 2       | 2411                | 3246                    | 1.35                   | 2299             | 4360                 | 1.90                | 153                 | 313                     | 2.04 J                |
| 1       | 2820                | 4320                    | 1.53                   | 2818             |                      | 999.00              | 12                  | 367                     | 30.50 J               |

Prepared by: W.M. Frank  
Devon Energy

Phone: (405) 552-4595  
FAX: (405) 552-4621

Date: October 10, 1998  
Oklahoma City, Oklahoma

Directional 7" casing design to be run through Penn.

Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Collapse is based on a vertical depth of 8350 ft, a mud weight of 6.5 ppg. The casing is considered to be evacuated for collapse purposes.

Burst strength is not adjusted for tension.

Collapse strength is (biaxially) derated for doglegs in directional wells by multiplying the tensile stress by the cross section area to calculate a

*Engineering responsibility for use of this design will be that of the purchaser.*