

Submit 3 Copies To Appropriate District Office
District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Ave., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103

May 27, 2004

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

WELL API NO.
30-053-20017

5. Indicate Type of Lease

STATE ☐ FEE ☒

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name
NAT

8. Well Number

1

9. OGRID Number

164187

10. Pool name or Wildcat

Wildcat

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

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

2. Name of Operator

Twining Drilling Corporation

3. Address of Operator

332 White Oak Drive NE, Albuquerque, NM 87122-1411

4. Well Location

Unit Letter N : 660 feet from the South line and 2310 feet from the West line

Section 22 Township 4N Range 1E NMPM Socorro County

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
GR 5170'

Pit or Below-grade Tank Application ☐ or Closure ☐

Pit type: Depth to Groundwater: Distance from nearest fresh water well: Distance from nearest surface water:

Pit Liner Thickness: mil Below-Grade Tank: Volume: bbls; Construction Material:

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐

TEMPORARILY ABANDON ☐ CHANGE PLANS ☐

PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐

OTHER: Add perforations and pump frac job ☒

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐

COMMENCE DRILLING OPNS. ☐ P AND A ☐

CASING/CEMENT JOB ☐

OTHER: ☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

A workover rig with a Double 5M BOP installed on the 4-1/2" casing will remove the 2-3/8" production tubing and the 4-1/2" production packer from the well. A cast iron bridge plug will be set at 11,905' and the well will be perforated from 11,780' to 11,885' at 6 spf with 60 degree phasing. A 4-1/2" packer will be set at 11,460'. A Frac Job will be pumped with 72,000 lbs. of proppant in a fresh water gel system. A tree saver will be used in conjunction with a 2-7/8" x 2-3/8" frac string, which will be latched into the packer prior to the Frac Job. Once the treatment is completed, the tree saver and frac string will be removed from the well. Coiled tube and nitrogen gas will be utilized as needed for a secondary lift system. The expected start of operations is September 15, 2005.

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☐, a general permit ☐ or an (attached) alternative OCD-approved plan ☐.

SIGNATURE Nathan Twining

TITLE: President

DATE: September 2, 2005

Type or print name: Nathan A. Twining

E-mail address: N/A

Telephone No.: 505-856-2238

For State Use Only

APPROVED BY: R. E. Johnson

TITLE DISTRICT SUPERVISOR

DATE 9/8/05

Conditions of Approval (if any):

Twining Drilling Corporation

Nat # 1

CURRENT WELL SCHEMATIC

35' - 16" Surface Casing 18 3/4" Hole
2,016' - 10 3/4" Casing 12 3/4" Hole

Tubing

2 3/8" N-80 Bare

Pressure Considerations

The burst rating of the 4 5" casing string is 7,780 psia

The safe operating range is 80 % of that value.

Therefore, the maximum operating pressure in the well when the casing is exposed to pressure is 6,224 psia

9,100' - 7 5/8" Casing 9 7/8" Hole

7 5/8" Detail

From	To	Type	Weight
0'	86'	S95	29.7 #
86'	3,485'	N80	29.7 #
3,485'	5,516'	P110	26.4 #
5,516'	7,717'	S95	26.4 #
7,717'	9,100'	S95	29.7 #

11,916' - Production Pkr

Perfs - 1 SPF 11,936' - 11,954'

Perfs - 1 SPF 11,992' - 12,000'

Perfs - 1 SPF 12,028' - 12,038'

Perfs - 1 SPF 12,055' - 12,066'

Perfs - 1 SPF 12,083' - 12,100'

Perfs - 1 SPF 12,250' - 12,279'

12,254' - Top of Sand Fill

12,320' - Top of Cement

12,353' - 4 5", 11 8#, N-80 Casing 6 5" Hole

Current Well Schematic

Nat # 1

DRAWN

APP'D

SCALE

NTS

DATE

7/5/03

SHEETS

SHEET

Twining Drilling Corporation