

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

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

Form C-103  
March 4, 2004

WELL API NO.

30-045-23677

5. Indicate Type of Lease

STATE ☐ FEE ☒

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name

8. Well Number

Kirtland #2

9. OGRID Number

019219

10. Pool name or Wildcat

Cha Cha Gallup

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

Richardson Operating Company

3. Address of Operator

3100 LaPlata Highway, Farmington, New Mexico 87401

4. Well Location

Unit Letter B : 260 feet from the North line and 2100 feet from the East line

Section 13 Township 29N Range R15W NMPM San Juan County

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

5145' GL

Pit or Below-grade Tank Application (For pit or below-grade tank closures, a form C-144 must be attached)

Pit Location: UL        Sect        Twp        Rng        Pit type        Depth to Groundwater        Distance from nearest fresh water well       

Distance from nearest surface water        Below-grade Tank Location UL        Sect        Twp        Rng        ;

       feet from the        line and        feet from the        line

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 COMPLETION ☐

OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐

COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐

CASING TEST AND 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.

Richardson Operating Company proposes to plug and abandon this well according to the attached procedure and well-bore diagram.

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 Charles Neeley TITLE Agent/PE DATE 7/21/04

Type or print name Charles Neeley E-mail address: neeleece@acrnet.com Telephone No. 505-486-0211

(This space for State use)

APPROVED BY Charles Neeley TITLE DEPUTY OIL & GAS INSPECTOR, DIST. IV DATE 7-22-04  
Conditions of approval, if any:

## PLUG AND ABANDONMENT PROCEDURE

Richardson Operating Company

Kirtland #2

NW/NE Sec 13, T29N, R15W

San Juan County, New Mexico

Note: - All cement volumes use 50' excess inside of pipe. The stabilizing well-bore fluid will be 8.3 ppg, sufficient to balance all exposed formation pressures.

- There was not any mention of circulating cement on either casing string in the completion report, even though adequate cement volumes were reported to do so. Check both casing annuluses – assure that the cement tops are at or near ground level.

1. Install and/or test rig anchors. Prepare blow tank. Comply with all NMOCD and Richardson safety rules and regulations.
2. MOL and RUSU. Check tubing, casing and braden head for pressures. Blow well down, kill with water if necessary. ND wellhead and NU BOP and stripping head; test BOP.
3. POH and tally 2 3/8" tubing; visually inspect. If necessary LD and PU 2 3/8" work string.
4. **Plug #1 (Gallup perfs & Gallup Top, 4620' - 4060')**: RIH with open ended tubing to 4620' PBTD or as deep as possible; pump 30 bbls water down tubing. Mix 47 sxs Class B cement and spot balanced plug from 4620' – 4060' over Gallup perfs and Gallup top. POH with tubing and WOC. RIH and tag cement. Pull above cement and circulate well clean. Pressure test casing to 500#. POH to 1375'.
5. **Plug #2 (Mesaverde Top, 1375' – 1275')**: Mix 12 sxs Class B cement and spot balanced plug from 1375' to 1275'. POH to 390'.
6. **Plug #3 (PC Top and Surface, <sup>1440</sup>390' – Surface)**: With tubing at 390' mix and pump 34 sxs Class B cement from 390' to surface, circulate good cement out casing valve. POH and LD tubing. Shut in well and WOC.
7. ND BOP and cut off wellhead below surface casing flange and install P&A marker with cement to NMOCD specifications. RD and MOL. Cut off anchors.
8. Restore location per NMOCD rules, guidelines and stipulations. For production pit or below-grade tank closures a form C-144 must be filed and approved by NMOCD.
9. Arrange for NMOCD inspection of well and restored location.
10. File C-103 (Subsequent report of Plug and Abandonment) within 30 days after completing required restoration work as provided in NMOCD Rule 1103.

Richardson Operating Company  
Kirtland #2  
260' FNL & 2100' FEL  
Sec 13, T29N, R15W  
San Juan County, New Mexico

**Well-Bore Diagram**  
**Proposed Plugging Procedure**

Elev: 5145' GL, KB 10'

