

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: March 31, 2007

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE- Other instructions on reverse side

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

2. Name of Operator
Richardson Operating Company

3a. Address
3100 La Plata Highway, Farmington, NM, 87401

3b. Phone No. (include area code)
505-564-3100

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1780' FNL & 1155' FWL Sec. 24, T28N, R8W

5. Lease Serial No.
NMSF-078499

6. If Indian, Allottee or Tribe Name
NA

7. Unit or CA/Agreement, Name and/or No.
NA

8. Well Name and No.
NM Federal 23-24 #2

9. API Well No.
30-045-31989

10. Field and Pool, or Exploratory Area
Basin Fruitland Coal

11. County or Parish, State
San Juan County, New Mexico

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

| TYPE OF SUBMISSION | TYPE OF ACTION | | | |
|---|---|---|--|--|
| <input type="checkbox"/> Notice of Intent | <input type="checkbox"/> Acidize | <input type="checkbox"/> Deepen | <input type="checkbox"/> Production (Start/Resume) | <input type="checkbox"/> Water Shut-Off |
| <input checked="" type="checkbox"/> Subsequent Report | <input type="checkbox"/> Alter Casing | <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Reclamation | <input type="checkbox"/> Well Integrity |
| <input type="checkbox"/> Final Abandonment Notice | <input type="checkbox"/> Casing Repair | <input type="checkbox"/> New Construction | <input type="checkbox"/> Recomplete | <input checked="" type="checkbox"/> Other Spud, casing, TD |
| | <input type="checkbox"/> Change Plans | <input type="checkbox"/> Plug and Abandon | <input type="checkbox"/> Temporarily Abandon | |
| | <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Plug Back | <input type="checkbox"/> Water Disposal | |

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompletable horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletable in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

8/11/2004 MIRU. Secure rig, SDFN.

8/12/2004 Spud well at 7:00 am. Drill 313' of new 8 3/4" hole to 313'. TOH with DC/DP and bit. Secure rig, SDFN.

8/13/2004 Run 307' of 7" 17# H-40 surface casing. Land surface casing at 308', -1' GL. Rig up cementers. Cement surface casing with 114 sx Class B cement with 2% CaCl₂, 1/4#/sk Celloflake, 15.60ppg, 1.18 yield, circulate 14 bbl to surface. Circulate well clean. NU BOP, test BOP and surface casing to 600psi, held OK. TIH with 6 1/4" bit. Drill 207' of new 6 1/4" hole to 520'. Secure rig, SDFN.

8/14/2004 Drill 560' of 6 1/4" hole to 1080'. Wireline survey at 1000' = 1/4 degree. Secure rig, SDFN.

8/15/2004 Drill 620' of 6 1/4" hole to 1700'. Wireline survey at 1540' = 1/4 degree. Secure rig, SDFN.

8/16/2004 Drill 345' of 6 1/4" hole to 2045'. Wireline survey at 2000' = 1/2 degree. Secure rig, SDFN.

8/17/2004 Drill 715' of 6 1/4" hole to 2760'. Wireline survey at 2530' = 3/4 degree. Secure rig, SDFN.

8/18/2004 Drill 178' of 6 1/4" hole to 2938'. TD well. Wireline survey at 2900' = 1/2 degree. TOH with DC/DP and bit. Run 2935' of 4 1/2"

11.6# J-55 production casing. Land production casing at 2934', +1' GL. Shoe on bottom. Insert float at 2907'. Six centralizers every other joint from bottom, six centralizers every other joint from top, one turbolizer at 1900'. Rig up cementers. Cement production casing with 225 sx Class B cement with 3% Sodium Metasilicate, 1/4#/sk Celloflake, 3#/sk Gilsonite, 11.40ppg, 2.87 yield, as lead. Tail in with 100 sx Class B cement with 1/4#/sk Celloflake, 3#/sk Gilsonite, 15.60ppg, 1.18 yield. Circulate 32 bbl to surface. Bump plug with 1000psi, shut in, WOC.

14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

Title

Landman

Signature

Date

09/10/2004

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

ACCEPTED FOR RECORD

Approved by

Title

Date SEP 13 2004

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

FARMINGTON FIELD OFFICE
BY *[Signature]*

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make 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.

(Instructions on page 2)

NMOCD