

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM 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 <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. 14-20-603-2199
2. Name of Operator Richardson Operating Company		6. If Indian, Allottee or Tribe Name Navajo
3a. Address 3100 La Plata Highway, Farmington, NM, 87401	3b. Phone No. (include area code) 505-564-3100	7. If Unit or CA/Agreement, Name and/or No. 30503
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 1780' FSL & 770' FEL Sec. 21 T29N - R14W		8. Well Name and No. NV Navajo 21 #4
		9. API Well No. 30-045-31041
		10. Field and Pool, or Exploratory Area West Kutz Pictured Cliffs
		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 &
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Surface csg. &
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	Production csg.

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 recomplete 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 recompletion 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.)

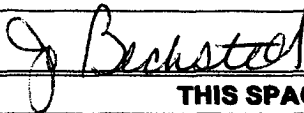
6/23/04 MIRU. Spud well. Drill 130' of new 8 3/4" hole to 130'. TOH with DP/DC and bit. Run 7" 17# H-40 surface casing. Land surface casing at 126' -1' GL. MIRU Key cementer.
Cement surface casing with 60 sx Class B cement with 3% CaCl₂, 1/4#/sk celloflake, 15.60ppg, 1.18 yield. Circulate 4 bbl to surface. Secure rig, SDFN.
6/24/04 NU BOP, test BOP and surface casing to 600 psi, held OK. Drill 728' of new 6 1/4" hole to 858'. Secure rig, SDFN.
6/25/04 Drill 360' of 6 1/4" hole to 1218'. TD well. TOH with DP/DC and bit.
Run 4 1/2" 10.5# J-55 production casing. Land production casing at 1187' +1' GL. MIRU Key cementer.
Cement production casing with 80 sx Class B cement with 2% Sodium Metasilicate, 1/4#/sk celloflake, 12.50ppg, 2.06 yield, as lead. Tail in with 75 sx Class B cement with 1/4#/sk celloflake, 15.60ppg, 1.18 yield. Circulate 15 bbl to surface. Bump plug at 5:00pm with 1000 psi, shut in well. WOC. Secure rig, move to next location.

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

Jo Becksted

Title Compliance Administrator

Signature



Date

07/23/2004

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by	Title	ACCEPTED FOR RECORD
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	Date JUL 26 2004

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)

NMOC