

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires: January 31, 2004

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.

RECEIVED

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)
850' FNL & 770' FEL
Sec 28 T30N R14W, NMPM

5. Lease Serial No.
NM 97843

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

7. If Unit or CA/Agreement, Name and/or No.
1: 06
N/A

8. Well Name and No.
Salty Dog SWD #3R

9. API Well No.
30-045-31274

10. Field and Pool, or Exploratory Area
SWD; Entrada

11. County or Parish, State
San Juan, 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 See below
	<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	

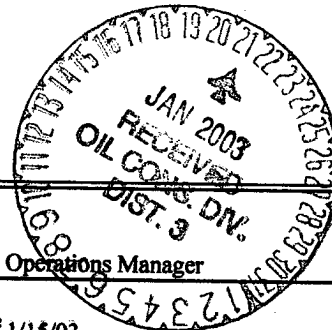
3. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths 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 recompleat 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.)

12/21/02 MIRU Bearcat Rig #1; spud well @ 4:00. Drill 12 1/4" hole to 437'. Circ. well clean. TOH with drill stem. Run 10 jts 8 5/8" 24# casing; land @ 437'. Circ casing clean. Mix and pump 290 sx Class 'B' Cement w/ 2% CaCl, 1# celloflake. Plug Down @ 9:00a.m. Circ 22 Bbl cement to surface. Job witnessed by BLM. Surface Casing detail: 10 jts 437' 8 5/8" casing, 3 centralizers, 1 shoe, 1 float @ 396'.

12/22/02 NU BOP; test same, witnessed by BLM. Drill 7 7/8" hole to 7,167'; logged well.

1/6/03 Lay down drill pipe; RIH with casing: 167 jts 5 1/2" casing (38 jts 17# = 1705', 129 jts 15.5# = 5444', 1' shoe on bottom, float collar @ 7919' PBTD). 1st DV Tool@6626'; 2nd DV Tool@3934'. Total 7153' pipe + 12' KB=7165'. Pipe had 30 centralizers every other joint from bottom, 4 turbolizers, 1 above and below Mesa Verde, 1 above and below Fruitland. Circ hole clean, bottoms up three times. MIRU Halliburton, start cmt job.

See attached for cement detail.



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

Name (Printed/Typed)
Drew Carnes

Title
Operations Manager

Signature
[Signature]

Date
1/15/03

ACCEPTED FOR RECORD

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by (Signature)
[Signature]

Name (Printed/Typed)
IAN 1 6 2003

Title
FARMINGTON FIELD OFFICE

Office
[Signature]

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.

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.

(Continued on next page)

NMOCD

**Richardson Operating Company
Salty Dog SWD #3R
Cement Job Detail**

1st Stage: Pump 30 Bbl Spacer. Mix and pump 110 sx Class 'H' Cement, 0.6% HALAD, 9.3# Gilsonite, 15.6# slurry, 1.39 yield. Circ 7 Bbl cement to surface. Bumped plug @ 21.33 hours with 1000# held 1 minute. Pressure up to 2800# to open M.S.C. tool, opened well, circ well with rig pump for 4 hours.

2nd Stage: Pump 30 Bbl preflush. Mix and pump 315 sx of HLC/B Cement, 5# Gilsonite, ¼# Flocele, 1.89 yield lead; mix and pump 215 sx Class 'H' Cement, 0.6% HALAD, 9.3# Gilsonite, 15.6# slurry, 1.39 yield. Bumped plug @ 2:59a.m. 1/7/03; 925 psi up to 2500 psi; tool closed, wait 1 minute, test tool; test good. Drop opening tool; open upper DV tool @ 715 psi; circ 25 Bbl cement to surface; circ with rig pump 5 hours.

3rd Stage: Pump 30 Bbl preflush. Mix and pump 535 sx Class 'B' with 3% Econolite, ¼# Flocele; 11.4# lead cement, 2.89 yield. Tail with 270 sx Class 'B' 50/50 POZ, 2% gel, 0.8% HALAD, 9.2% Super CBL, 13.5# slurry, 1.43 yield. Drop plug and pump 93.6 Bbl displacement; bump plug @ 9:32 a.m. 1/7/03; 950 psi up to 2550 psi; wait 1 minute; test tool, tool closed. Circ 42 Bbl cement to surface, landed pipe in slips with 10,000# left on slips. Cement and Casing witnessed by K.S. (BLM).