

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill, or to deepen or reentry to a different reservoir.

Use "APPLICATION FOR PERMIT--" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☒

Oil Well

☐

Gas Well

☐

Other

2. Name of Operator

Richardson Operating Company

3. Address and Telephone No.

1700 Lincoln, Suite 1700, Denver, Colorado 80203 (303) 830-8000

4. Location of Well (Footage, T, R, M, or Survey Description)

1650' FNL and 990' FEL (SE/4NE/4)

Sec. 21-T29N-R14W

5. Lease Designation and Serial No.

14-20-603-2199

6. If Indian, Allottee or Tribe Name

Navajo

7. If Unit or CA, Agreement Designation

8. Well Name and No.

NW Cha Cha #17

9. API Well No.

30-045-08141

10. Field and Pool, or Exploratory Area

Cha Cha Gallup

11. County or Parish, State

San Juan County, NM

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

TYPE OF SUBMISSION

☒

Notice of Intent

☐

Subsequent Report

☐

Final Abandonment Notice

TYPE OF ACTION

☒

Abandonment

☒

Recompletion

☒

Plugging Back

☐

Casing Repair

☐

Altering Casing

☐

Surface Casing/Cementing

☐

Other:

☐

Change of Plans

☐

New Construction

☐

Non-Routine Fracturing

☐

Water Shut-Off

☐

Conversion to Injection

☐

Dispose Water

(Note: Report results of multiple completion on Well

Completion or Recompletion Report and Log form).

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work.

If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markets and zones pertinent to this work.)*

Request to plug and abandon Gallup formation, run casing integrity test and shut-in well pending issuance of pipeline right-of-way. Once right-of-way obtained, will attempt recompletion in Fruitland Coal and Pictured Cliffs formations per attached procedure.

Plug back procedure:

- 1 MIRU ROPCO Rig #1. NU 2 3/8" relief line. Hold safety meeting. ND tubinghead on NU BOP. MIRU two 400 bbl frac tanks with fresh clean city water.
- 2 Unseat packer. TOOH with tubing. Lay down packer and TIH with seat nipple and check valve on end of tubing. Land tubing @ about 4833' and shut pipe rams.
- 3 Mix and pump 43 sacks Class B cement. Should be enough for 250' plug and 100% excess. Flush tubing with 22 bbls H2O. TOOH with tubing. SDON.
- 4 Test to 1000# for 30 mins. If pressure holds, leave shut-in until pipeline right-of-way received. If pressure doesn't hold, find hole and squeeze.

Recompletion procedure: See attached.

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

Signed:

Cathleen Colby

Title: Land Manager

Date: July 6, 2000

(This space for Federal or State office use)

Approved by:

Title:

Date:

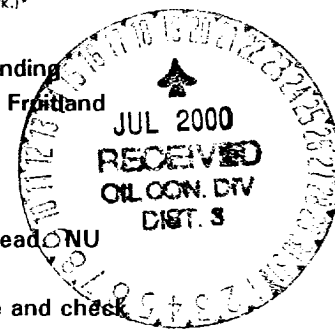
7/14/00

Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes 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.

* See Instructions on Reverse Side

NMOCD



District I
1625 N. French Dr., Hobbs, NM 88240

District II
811 South First, Artesia, NM 88210

District III
1000 Rio Brazos Rd., Aztec, NM 87410

District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Form C-102
Revised March 17, 1999

Submit to appropriate District Office
State Lease-4 Copies
Fee Lease-3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

| | | |
|---|--|--|
| ¹ API Number 30-045-08141 | ² Pool Code 71629 | ³ Pool Name Basin Fruitland Coal |
| ⁴ Property Code 25019 | ⁵ Property Name NW CHA CHA | ⁶ Well Number #17 |
| ⁷ OGRID No. 019219 | ⁸ Operator Name Richardson Operating Company | ⁹ Elevation 5239' GR |

¹⁰ Surface Location

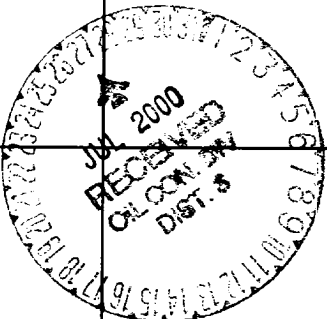
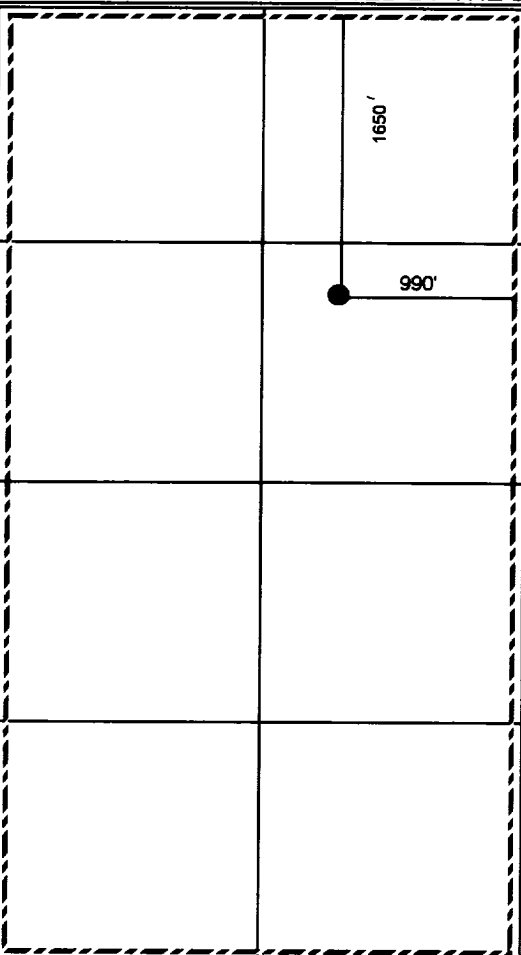
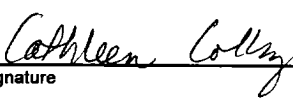
| | | | | | | | | | |
|--------------------|---------------|-----------------|--------------|---------|-----------------------|---------------------------|----------------------|------------------------|--------------------|
| UL or lot no. H | Section 21 | Township 29N | Range 14W | Lot Idn | Feet from the 1650 | North/South Line North | Feet from the 990 | East/West line East | County San Juan |
|--------------------|---------------|-----------------|--------------|---------|-----------------------|---------------------------|----------------------|------------------------|--------------------|

¹¹ Proposed Bottom Hole Location If Different From Surface

| | | | | | | | | | |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South Line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|

| | | | |
|-------------------------------|-------------------------------|----------------------------------|-------------------------|
| ¹² Dedicated Acres | ¹³ Joint or Infill | ¹⁴ Consolidation Code | ¹⁵ Order No. |
|-------------------------------|-------------------------------|----------------------------------|-------------------------|

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR
NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

| | | |
|---|---|--|
|  |  | ¹⁷ OPERATOR CERTIFICATION <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief</i>  Signature Cathleen Colby Printed Name Land Manager Title 7/25/2000 Date |
| | | ¹⁸ SURVEYOR CERTIFICATION <i>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</i> Date of Survey Signature and Seal of Professional Surveyer: Certificate Number |
| | | |
| | | |

District I
1625 N. French Dr., Hobbs, NM 88240
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Form C-102
Revised March 17, 1999

Submit to appropriate District Office
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Fee Lease-3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

| | | | |
|---|--|-----------------------------------|-------------------------------------|
| ¹ API Number 30-045-08141 | ² Pool Code 79680 | ³ Pool Name W. Rutz | ³ Pictured Cliffs Ext |
| ⁴ Property Code 25019 | ⁵ Property Name NW CHA CHA | | ⁶ Well Number #17 |
| ⁷ OGRID No. 019219 | ⁸ Operator Name Richardson Operating Company | | ⁹ Elevation 5239' GR |

¹⁰ Surface Location

| | | | | | | | | | |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|----------|
| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South Line | Feet from the | East/West line | County |
| H | 21 | 29N | 14W | | 1650 | North | 990 | East | San Juan |

¹¹ Proposed Bottom Hole Location If Different From Surface

| | | | | | | | | | |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South Line | Feet from the | East/West line | County |
| | | | | | | | | | |

| | | | |
|-------------------------------|-------------------------------|----------------------------------|-------------------------|
| ¹² Dedicated Acres | ¹³ Joint or Infill | ¹⁴ Consolidation Code | ¹⁵ Order No. |
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| ¹⁶ | | | ¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief Cathleen Colby Signature Cathleen Colby Printed Name Land Manager Title 7/25/2000 Date |
| | | | ¹⁸ SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. Date of Survey Signature and Seal of Professional Surveyer: Certificate Number |

SH

WORKOVER/COMPLETION PROCEDURE

Richardson Operating Company
3100 La Plata Highway
Farmington, NM 87401
(505) 564-3100 Phone
(505) 564-3109 Fax

| | |
|-------------|---|
| Prepared by | B. Gager |
| Date | June 29, 2000 |
| Well Name | NW Cha Cha #17 |
| Location | T29N, R14W Sec 21 SENE (Unit H) 1650' FNL and 990' FEL |
| County | San Juan |
| Field | Cha Cha Gallup |
| Pool | Cha Cha Gallup |
| API# | 30-045-08141 |
| Lease No. | Navajo 14-20-603-2199 |
| Elev GL | 5239' |
| Elev KB | 5251' |
| KB | 12' |

OBJECTIVE Attempt recompletion in Fruitland Coal and Pictured Cliffs formations

PROCEDURE

1. Rig up wireline truck. Tag top of cement. If plug is in place, TIH with tubing to 3620'. Set 200' balanced plug from 100' below to 100' above Mancos formation. Pull out of hole to 100' below Lewis formation @ 953'. Set 200' plug from 100' below to 100' above Lewis Shale. SDON.
2. If plug is in place, perforate four 0.41" squeeze holes on 120 degree phasing at about 740'.
3. Pump down 4 ½" casing and establish circulation on back side.
4. Release wireline truck.
5. Pump scavenger cement ahead with red dye and additional cement (Class B, 1% Cacl₂, 1/4 #/sack celloflake, .25 #/sack Gilsonite to yield 1.66 ft³/sack, 13.6 #/gallon) 20% excess.
6. Flush with 12.35 bbls fresh H₂O.

7. Shut down overnight.
8. RU Schlumberger. Run CBL GR from PBTD to surface. Run Compensated Neutron log PBTD to surface. If cement not to surface, then 1" cement down 8 5/8" and 4 1/2" annulus 50' to surface.
9. If cement is at surface, then perforate Pictured Cliffs formation 680' to 690' with 4 spf 0.41" holes 120 degrees phasing.
10. Install 5000# 4 1/2" frac valve.
11. RU frac equipment and pressure test surface lines to 5000 psi.
12. Fracture treat with 20# linear gel and 40,00# 20/40 sand as per service company design. Bullhead 500 gallons 7 1/2" HCL ahead. Observe fracture closure after treatment.
13. Shut-in for 24 hrs. Swab if necessary, establish flow rate for commingling allocation formula. RU Schlumberger. Wireline set retrievable bridgeplug between Pictured Cliffs and Fruitland Coal at 675'.
14. Perforate Fruitland Coal 660' to 670' with 0.41" perforations 4 spf 120 degree phasing.
15. Install 5000# 4 1/2" frac valve.
16. RU frac equipment and pressure test surface lines to 5000 psi.
17. Fracture treat with 20# linear gel and 40,000# 20/40 sand as per service company design. Bullhead 500 gallons 7 1/2" HCL ahead. Observe fracture closure after treatment.
18. Shut in well for 24 hours. Flow back Fruitland coal on 16/64" choke until dead. Note flow rate.
19. TIH and retrieve retrievable bridge plug @ 675'. TOOH. Flow back Pictured Cliffs and Fruitland Coal together.
20. TIH with 2 3/8" tubing with notched collar on end of tubing, one joint, 4' perforated sub, seat nipple and land end of tubing 30' above PBTD.
21. Swab well until flow rate is established or run rods and pump if needed.
22. Obtain water samples of gel analysis when 80% of load recovered.